



**VALVOLE E GUIDE PER MOTORI
ENGINE VALVES AND GUIDE VALVES
SOUPAPES ET GUIDES POUR MOTEURS
VALVULAS Y GUIAS PARA MOTORES**

*Make the
best choice.
Always.*

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Martek S.r.l.



Le valvole motore per autoveicoli, veicoli industriali, agricoli e motori marini contrassegnate dal marchio **GIEFFE** sono prodotte e commercializzate da oltre mezzo secolo.

La nostra società offre sia valvole equivalenti all'originale, nei materiali e nelle caratteristiche costruttive, sia valvole ottimizzate per il mercato del ricambio.

La gamma produttiva è articolata su oltre 3000 modelli relativi a motori autoveicolistici, agricoli, industriali e marini, ancora in produzione o motori la cui produzione è cessata da anni.

Grazie anche alla rete commerciale, la nostra società assicura una capillare e veloce consegna del prodotto, in modo da rispondere alle esigenze, anche le più complesse, del mondo della riparazione dei motori.



INTRODUZIONE

INTRODUCTION



Les soupapes de moteur pour véhicules automobiles, véhicules industriels, véhicules agricoles et moteurs marins portant la marque **GIEFFE** sont produites et commercialisées depuis plus d'un demi-siècle.

Notre société propose à la fois des vannes équivalentes à celles d'origine, des matériaux et des caractéristiques de construction, ainsi que des vannes optimisées pour le marché du remplacement.

La gamme de production est basée sur plus de 3000 modèles liés à des moteurs automobiles, agricoles, industriels et marins, toujours en production ou des moteurs dont la production a cessé depuis des années.

Merci également au réseau commercial, notre société assure une livraison rapide et rapide du produit, afin de répondre aux besoins, même les plus complexes, du monde de la réparation de moteurs.



The engine valves for motor vehicles, industrial vehicles, agricultural vehicles and marine engines bearing the **GIEFFE** brand have been produced and marketed for over half a century.

Our company offers both valves equivalent to the original, in materials and construction features, and valves optimized for the replacement market.

The production range is based on more than 3000 models related to automotive, agricultural, industrial and marine engines, still in production or engines whose production has ceased for years.

Thanks also to the commercial network, our company ensures a rapid and fast delivery of the product, in order to respond to the needs, even the most complex, of the world of engine repair.



INTRODUCTION

INTRODUCCIÓN



Las válvulas de motor para vehículos de motor, vehículos industriales, vehículos agrícolas y motores marinos que llevan la marca **GIEFFE** se han producido y comercializado durante más de medio siglo.

Nuestra compañía ofrece válvulas equivalentes al original, en materiales y características de construcción, y válvulas optimizadas para el mercado de reemplazo.

La gama de producción se basa en más de 3000 modelos relacionados con motores automotrices, agrícolas, industriales y marinos, aún en producción o motores cuya producción ha cesado por años.

Gracias también a la red comercial, nuestra empresa garantiza una entrega rápida y rápida del producto, para responder a las necesidades, incluso las más complejas, del mundo de la reparación de motores.



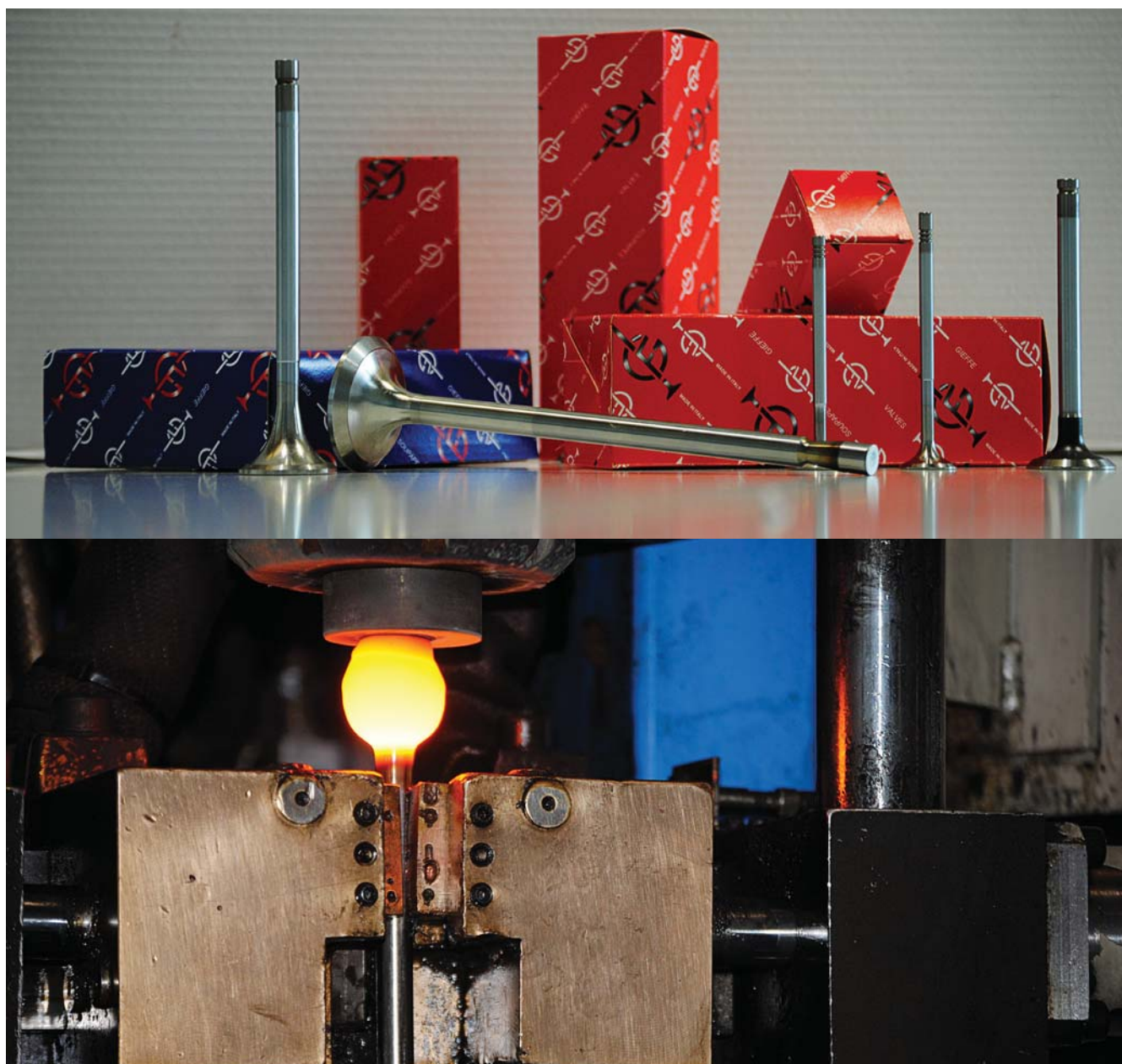
GAMMA

Oltre 3000 articoli relativi a motori per autovetture , industriali, agricoli e marini.

Over 3000 items related to engines for cars, industrial, agricultural and marine.

Plus de 3000 articles liés aux moteurs pour voitures, industriels, agricoles et marins.

Más de 3000 artículos relacionados con motores para automóviles, industriales, agrícolas y marinos.





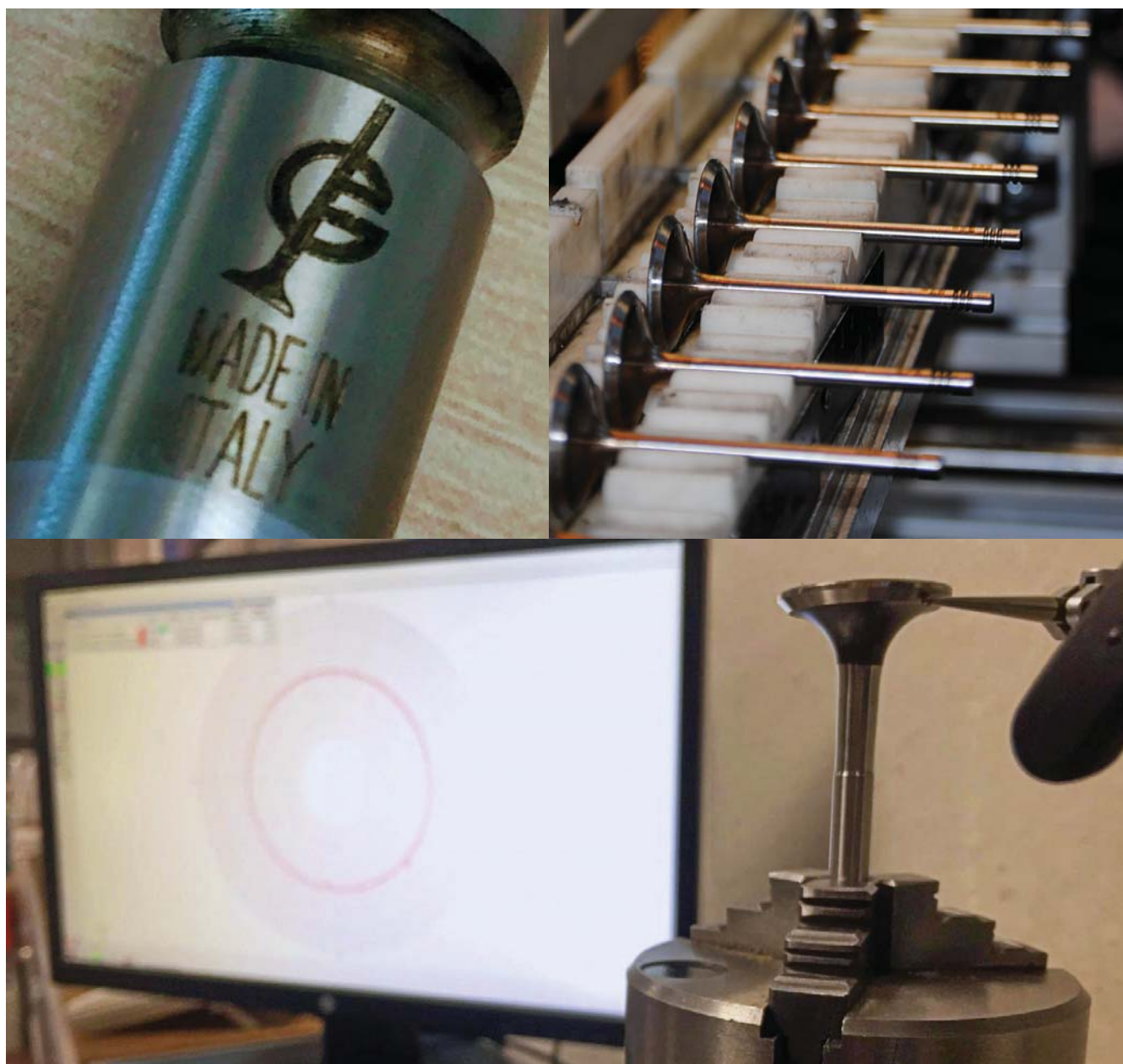
ESPERIENZA E QUALITÀ

Con quasi mezzo secolo di esperienza, rispondiamo a pieno alle esigenze qualitative del mercato.

With almost half a century of experience, we fully meet the quality requirements of the market.

Avec près d'un demi-siècle d'expérience, nous répondons pleinement aux exigences de qualité du marché.

Con casi medio siglo de experiencia, cumplimos totalmente con los requisitos de calidad del mercado.





TERMINI E CONDIZIONI DI VENDITA

DEFINIZIONI

Le seguenti espressioni avranno il seguente significato:

- Cliente: persona, azienda, o agente che acquista il prodotto marcato **GIEFFE**;
- Contratto: il contratto di vendita fra **Martek S.r.l.** ed il cliente;
- Prodotto: componenti automobilistici, accessori ed altre merci oggetto della transazione commerciale.

ACCETTAZIONE DELL'ORDINE

Tutti gli ordini sono accettati e le merci sono fornite nei termini indicati dalla presenti condizioni di vendita.

Per quanto non previsto, si fa riferimento alle consuetudini del settore, alla normativa europea ed alla legge italiana.

Nessuna modifica alle presenti condizioni è accettata, a meno di esplicita accettazione scritta e firmata da un rappresentante autorizzato della **Martek S.r.l.**

Il cliente è ritenuto ad accettare senza riserve i termini e le condizioni della **Martek S.r.l.**

VARIANTI ALL'ORDINE

Qualunque variazione di tipo, di quota, di materiale o di altre caratteristiche, resa necessaria da obiettive ragioni, dovrà essere segnalata alla **Martek S.r.l.** e successivamente concordata con l'Ufficio Tecnico. Le varianti adottate saranno confermate con trasmissione di regolari varianti all'ordine, disegni aggiornati o di documenti equivalenti da parte dell'Ufficio Vendite della **Martek S.r.l.**

ANTICIPO DI CONSEGNA

Le parti convengono che anche nell'ipotesi in cui la **Martek S.r.l.** anticipi le consegne rispetto ai termini prescritti, i pagamenti dovranno essere effettuati nei termini previsti dal contratto, intendendosi per tali i termini previsti nell'ordine o nel "programma di spedizione".

PREZZI

Tutti i prezzi sono FRANCO FABBRICA in €uro, salvo accordi differenti.

La **Martek S.r.l.** si riserva il diritto di variare in qualunque momento il listino prezzi senza preavviso, fatta eccezione per le conferme d'ordine in essere

DIFFERENZE DI FATTURAZIONE

Eventuali differenze fra le merci ordinate e quelle fornite e fatturate devono essere segnalate



alla *Martek S.r.l.* entro 10 giorni dal ricevimento presso il cliente.

DATE DI CONSEGNA

Le date della spedizione e/o di consegna sono indicate in buona fede, ma nessuna responsabilità viene assunta nel caso di ritardi.

PAGAMENTI

Il metodo di pagamento sarà definito al momento della conferma dell'ordine.

- La *Martek S.r.l.* non accetterà la restituzione di merci per qualsiasi motivo, se non previa accettazione scritta.
- I prodotti marcati *GIEFFE* e forniti correttamente potranno essere restituiti alla *Martek S.r.l.*, dopo autorizzazione scritta della stessa, con trasporto pagato, ma saranno soggetti ad una penale, per costi amministrativi e logistici pari al 50% del valore fatturato.
- La *Martek S.r.l.* si riserva il diritto di applicare un interesse pari al tasso di riferimento interbancario europeo, più uno spread del 5%, per i ritardati pagamenti.

TITOLO E PROPRIETÀ

La *Martek S.r.l.* rimane proprietaria delle merci fino al completo pagamento.

Fino al completo pagamento, il cliente è tenuto a conservare le merci nei loro imballi originari. In caso di mancato pagamento, la *Martek S.r.l.* potrà avviare, direttamente o tramite gli agenti locali, ogni azione per rientrare in possesso dei beni.

Fino al permanere dello stato di insolvenza, la *Martek S.r.l.* è autorizzata ad annullare ogni altro ordine del cliente insolvente.

DESCRIZIONI E SPECIFICHE

La *Martek S.r.l.* compie ogni sforzo per accertare l'esattezza delle descrizioni, delle illustrazioni e delle informazioni contenute in questo catalogo ed in ogni altro materiale tecnico e pubblicitario aziendale. Eventuali errori non giustificano però modifiche alle condizioni qui presentate.

La *Martek S.r.l.* si riserva il diritto di modificare le specifiche ed i prezzi pubblicati senza preavviso. I riferimenti originali e descrizioni, quando necessariamente conformi all'originale, sono menzionati a semplice titolo indicativo poiché i suddetti materiali non sono originali ma con questi intercambiabili.

La *Martek S.r.l.* libera il cliente da qualsiasi responsabilità derivante da infrazioni di qualsiasi brevetto, modello depositato o altri diritti depositati.

COSTRUZIONE SU DISEGNI O CAMPIONI

La *Martek S.r.l.* è disponibile a produrre valvole ed altri pezzi di ricambio dietro specifiche esigenze del cliente che dovrà fornire disegni che saranno valutati ed approvati dall'Ufficio tecnico.

Nel caso che il Cliente fornisca campioni, la *Martek S.r.l.* elaborerà specifici disegni con le



indicazioni delle tolleranze che saranno rispettate in fase di produzione. I disegni debbono essere approvati dal cliente prima della produzione.

I disegni rimangono sempre di esclusiva proprietà della *Martek S.r.l.*, così come le attrezzature, stampi ed altra documentazione tecnica specificatamente sviluppata per rispondere alle esigenze del cliente.

È fatto assoluto divieto al cliente di copiare, fotografare o comunque di riprodurre sotto qualsiasi forma sia totalmente sia parzialmente i disegni elaborati dalla *Martek S.r.l.* e trasmessi al cliente per conoscenza/approvazione.

Ogni violazione della clausola di cui sopra sarà passibile di ogni azione di Legge.

PERDITA E DANNI CONSEGUENTI

Salvo quando espressamente concordato, la *Martek S.r.l.* non è responsabile per perdite o danneggiamenti diretti o conseguenti in qualsiasi modo occorsi e derivati dall'utilizzo del prodotto.

L'accettazione delle merci dal cliente sarà considerata come riconoscimento della corretta vendita ed accettazione delle condizioni concordate con il Cliente.

LEGGE

Salvo accordo contrario per iscritto il contratto è governato dalle leggi italiane.

Il Foro competente per eventuali contestazioni è quello di Torino.

ASSISTENZA TECNICA

Tutte le raccomandazioni, suggerimenti ed informazioni tecniche sono fornite dalla *Martek S.r.l.* in buona fede, in quanto ricavate dalla letteratura tecnica o dalle informazioni disponibili nel settore.

La *Martek S.r.l.* non sarà responsabile per perdite o danni che deriveranno dall'utilizzo non controllato di queste informazioni, fornite per completare quanto noto al cliente circa l'idoneità all'uso e le condizioni di utilizzo dei prodotti a marchio **GIEFFE**.

DIRITTI LEGALI

Nessuna delle presenti condizioni di vendita intende danneggiare i diritti dei consumatori, definiti dalla normativa Europea.



CONDIZIONI DI GARANZIA

I prodotti a marchio **GIEFFE** sono controllati, ispezionati ed approvati in ciascuna fase del processo produttivo. Possono essere quindi utilizzati in piena sicurezza.

I prodotti a marchio **GIEFFE** sono garantiti privi di difetti di lavorazione e di materiali per i seguenti periodi di tempo:

- 1 anno per prodotti nuovi; la garanzia copre la sostituzione dei particolari reclamati solo se sono stati correttamente conservati in ambienti protetti da urti ed umidità.
- 3 mesi dalla data di installazione sul motore, senza limitazioni di chilometraggio o di ore di lavoro, ma solo se il prodotto è stato correttamente installato e le analisi tecniche hanno mostrato che i problemi sono riconducibili alla responsabilità del prodotto marchiato **GIEFFE**. Dopo attenta analisi sulle cause di rottura ed approvazione scritta della responsabilità del prodotto marchiato **GIEFFE**, la **Martek S.r.l.** rimborserà le spese relative ai pezzi danneggiati ed alle ore di lavoro necessarie per riparare il danno direttamente riconducibile al prodotto difettoso. I costi sono limitati ai particolari ed al lavoro necessario a ripristinare il motore nelle condizioni operative immediatamente precedenti al guasto. Il costo del lavoro è determinato in base ai valori correnti in vigore nella zona nel quale è avvenuto il guasto. Non sono riconosciute indennità per il lavoro notturno o festivo. Il rimborso include i prodotti di consumo quali olio, antighiaccio, cinghie, filtri ecc. direttamente danneggiati dal guasto. Sono esplicitamente esclusi i danni risultati al motore da un utilizzo inappropriato o dovuto a scarsa attenzione da parte degli operatori, da errate procedure di riparazione, alterazione o cattiva applicazione di parti collegate ai prodotti a marchio **GIEFFE**, o utilizzo in motori modificati per essere utilizzati in competizioni sportive. La garanzia non include: il costo di rimozione e spostamento del veicolo. La garanzia non copre i veicoli di polizia o governativi; i prodotti non utilizzati correttamente, riutilizzati dopo incidente o installazione e manutenzione impropria, i prodotti che sono stati trasferiti dal veicolo nel quale sono stati inizialmente installati. Nessuna altra garanzia viene data, sia implicita che esplicita, inclusa la commerciabilità o l'adattabilità a specifici utilizzi.

LIMITAZIONI

I prodotti danneggiati nel trasporto, a causa di cattivi imballaggi o per parti mancanti non sono soggette alle regole sopra indicate.

Nessun rimborso sarà effettuato per scatole che risulteranno aperte, per imballi danneggiati o sporchi a causa del cliente o per prodotti marchiati **GIEFFE** non di provenienza **Martek S.r.l.**



PROCEDURA PER LA RICHIESTA DI GARANZIA – RESTITUZIONE DEI PARTICOLARI DANNEGGIATI

La procedura *Martek S.r.l.* è la seguente, senza eccezioni:

- Il rimborso deve essere sempre autorizzato dalla *Martek S.r.l.*;
- I particolari danneggiati e comunque tutte le valvole di aspirazione e scarico che erano montate sul motore unitamente alle foto di ogni singolo pistone, debbono essere accompagnati dalle seguenti informazioni:
 - ▷ Tipo di veicolo, modello, anno;
 - ▷ Vita del veicolo (km, ore di lavoro);
 - ▷ nome dell'installatore;
 - ▷ descrizione del difetto;
 - ▷ documentazione fotografica del motore e dei pezzi danneggiati;
 - ▷ durata presunta di servizio prima del problema;
 - ▷ informazioni sulla presunta data di produzione del particolare.

Nessun rimborso sarà concesso in mancanza di tale documentazione/informazioni.

Informazioni non corrette, particolari marcati *GIEFFE* non di origine *Martek S.r.l.*, particolari usati dichiarati nuovi ecc., forniti per ottenere rimborsi non dovuti saranno considerati frode e perseguiti a termini di legge in modo conseguente.



ISTRUZIONI DI IMMAGAZZINAMENTO

I prodotti a marchio **GIEFFE** sono di facile conservazione.

Nessun problema può accadere nelle normali condizioni di magazzino:

- temperatura: $-10 \div + 40$ °C
- umidità: < 60 %

Proteggere dalla pioggia dagli urti e dalla polvere.

L'imballo fornisce una buona indicazione del corretto immagazzinamento. Se l'imballo è asciutto e non deteriorato in alcun modo, si può essere certi che i prodotti sono nelle condizioni ottimali.

Il cliente deve ruotare il magazzino nella condizione FIRST IN - FIRST OUT (le merci entrate per prime escono per prime).

NOTIZIE TECNICHE

MATERIALI

Ns. Sigla	Sigla normata	Descrizione
S	X45CrSi9-3 - 1.4718	Acciaio martensitico al cromo-silicio per valvole di scarico per motori di normale impiego e per valvole aspirazione per motori particolarmente sollecitati.
K	X53CrMnNiN21-9 - 1.4871	Acciaio al cromo nichel-manganese per valvole di scarico su motori particolarmente sollecitati sia a benzina che diesel.
W	X33CrNiMn23-8	Acciaio al cromo nichel-manganese ad alto contenuto di Nichel per valvole di scarico su motori turbo particolarmente sollecitati sia a benzina che diesel.



TERMS AND SALE CONDITIONS

INTERPRETATION

The following expressions will have the following meanings:

- Customer: person, firm or agent that purchase the **GIEFFE** product;
- Contract: the sale contract between **Martek S.r.l.** and the customer;
- Product: cars components, accessories and other goods of the commercial transaction.

ACCEPTANCE OF ORDER

Accepted orders and goods are subject to the terms and conditions below. For any additional things, make reference to the customs of the sector, to the European normative and to the Italian law.

No change to the present conditions is approved, less an explicit written acceptance and signed by an authorized **Martek S.r.l.** representative.

The client is held to accept without reservations the terms and the conditions of **Martek S.r.l.**

VARIATIONS TO THE ORDER

Any variation of type, quote, material or other characteristics, made necessary by objective reasons, must be communicated to **Martek S.r.l.** and subsequently approved by the Technical Office. The accepted alternatives will be confirmed with transmission of regular variations to the order, updated drawings or equivalent documents from the **Martek S.r.l.** Purchase Office.

ADVANCE DELIVERY

In case of deliveries anticipation by **Martek S.r.l.**, the parts accept to make the payments as provided in the contract terms, considering this ones specified in the order or in the "shipment program."

PRICES

All prices are quoted EX WORKS in Euros, unless otherwise agreed in writing. **Martek S.r.l.** reserves the right to change at any moment its current price list without prior notice, goods will be invoiced to the Customer at the current shipment date prices, unless otherwise agreed by the Company in writing.

INVOICE DISCREPANCIES

Any discrepancies between the goods ordered and those supplied and invoiced must be advised to **Martek S.r.l.** within 10 days of the receipt by the Customer.



DELIVERY DATES

Delivery and/or dispatch dates are quoted in good faith, but no liability is accepted for any delay.

TERMS OF PAYMENT

- The method of payment will be determined at the order confirmation.
- *Martek S.r.l.* will not accept the return of goods for whatever reason, if not prior written acceptance.
- Goods correctly supplied may be returned to Martek, carriage paid, by prior *Martek S.r.l.* acceptance, and they will be subject to a 50% handling charge.
- *Martek S.r.l.* reserves to apply an interest equal to the rate of interbank European reference, more a 5% spread, for delayed payments.

HOLDER AND PROPERTY

The *Martek S.r.l.* remains owner of the goods until complete payment.

Until complete payment, the Customer has to maintain the goods in its original packing.

In case of non-payment, *Martek S.r.l.* can institute any proceedings to take possession of goods, directly or through the local agents.

Up to remain the state of insolvency, *Martek S.r.l.* is authorized to cancel every other order of the insolvent client.

DESCRIPTIONS AND SPECIFICATIONS

The Market S.r.l. performs every effort to verify the accuracy of descriptions, illustrations and information contained in this catalogue and in every other business technical and advertising material.

Any mistake does not justify changes to the conditions here introduced.

The Market S.r.l. reserves the right to modify specifications and prices published without prior notice.

Original references and descriptions, when necessarily conformed to the original, are for reference only as above materials are not originals but with them interchangeable.

The Market S.r.l. exonerate the client from any responsibilities resulting from infraction of any patent, deposited model or other deposited rights.

CONSTRUCTION WITH DRAWINGS OR SAMPLES

The Market S.r.l. can produce valves and other spare parts on specific customer needs.

The customer have to provide drawings which will be valued and approved from the Technical Office.

If customer provides samples, The Market S.r.l. will elaborate specific drawings with the tolerance indications which will be respected during production stage. Drawings have to be approved by the Customer before the production.

Drawings always remain of the Market S.r.l. property, as weel as tools, dies and other technical



documentation specifically developed to satisfy customer needs.

It is forbidden to copy, photograph or reproduce under any form both totally and partially the drawings elaborated by the Market S.r.l. and transmitted to the customer for knowledge/ approval.

Every violation of the clause will be liable to every action of Law.

LOSS AND CONSEQUENTIAL DAMAGES

Except as expressly provided in this agreement, **GIEFFE** is not responsible for losses or direct or consequent damages in any way happened and derived from the use of the product.

The acceptance of the goods by the customer will be considered as recognition of the correct sale and acceptance of the conditions arranged with the Customer.

LAW

Except contrary agreement in writing the contract is governed by Italian laws.

The competent Court for possible disputes is that of Turin.

TECHNICAL ASSISTANCE

All the recommendations, suggestions and technical information are provided by **Martek S.r.l.** in good faith, because they are obtained from technical literature or from available information in the sector.

Martek S.r.l. is not responsible for any losses or damages that may result from an inappropriate use of these information, provided to complete which is known to the client about suitability of the use and terms of use of products mark **GIEFFE**.

LEGAL RIGHTS

None of these terms of sale intends to damage the consumers rights, defined by the European normative.



WARRANTY CONDITIONS

All products of Gieffe brand are checked, inspected and approved in every step of production process, and they can be used with safety.

All products of Gieffe brand are warranty to not have working and material defects for the following time periods:

- 1 year for new products; warranty covers the substitution of claimed parts just in case of correct stored;
- 3 months from the date of installation on the engine, without mileage or working hours limitations, just in case of correct installation and if technical analysis show that failure can be caused by *Martek S.r.l.* responsibility. After approval, *Martek S.r.l.* will pay the freights for damaged pieces and working hours required to repair the damage directly referable to the defective product. Therefore the warranty covers costs of work and necessary components to repair the damage, included the indirect damages on the engine. The costs are limited to parts and necessary work to restore the engine to its prior condition before the failure. Work costs are determined by current rates applicable in the geographic area of the failure. Overtime or holiday rate charges are not allowed. *Martek S.r.l.* will pay for consumer goods such as oil, anti-icing, belts, filters etc... directly damaged from the failure. Liability for engine failure resulting from owner or operator negligence or abuse, from wrong procedures of reparation, alteration or improper application of parts connected to the All products of Gieffe brand, or use in modified engines for competition purposes is specifically disclaimed. The warranty does not include: the cost of removal and move of the vehicle. The warranty does not cover the police or government vehicles, the products not correctly used and re-used after accident or installation and improper maintenance, the products that have been transferred by the vehicle in which they have initially been installed. No other warranty, either expressed or implied, including merchantability or suitability for any particular purposes, is given.

LIMITATIONS

The damaged products during transport, because of bad packings or lacking parts, are not subject to the rules above mentioned.

No refund will be made for boxes which will result opened, damaged packings or dirty because of the client or for no **GIEFFE** origin products.



PROCEDURE FOR APPLICATION OF WARRANTY. RETURN OF THE DAMAGED PARTS

The *Martek S.r.l.* procedure is the following without exceptions:

- The refund must be authorized always from *Martek S.r.l.*;
- The damaged parts must be followed from the following information:
 - ▷ vehicle type, model, year
 - ▷ vehicle life (Km, work-hours)
 - ▷ the technician's name;
 - ▷ defect description;
 - ▷ photographic documentation of the engine and damaged pieces;
 - ▷ presumed duration of service before the problem;
 - ▷ information for the presumed date of production of the particular one.

No refund will be made without supporting documentation as noted.

Incorrect information, parts not of product brand *GIEFFE* origin, parts used declared new etc, furnished for getting not due refunds, will be considered fraud and pursue in the way of terms of law.



STORAGE INSTRUCTIONS

The products brand *GIEFFE* can be easily stored.

No problems can occur when stored at standard warehouse conditions:

- temperature $-10 \div + 40$ °C
- humidity < 60 %

Protect from rain and dust.

The packing give a good indication of a correct storage. The products are in its optimal conditions, if the packing is dry and not deteriorated in anyway.

The client have to rotate the store in the condition FIRST IN - FIRST OUT (the goods entered for first they go out also for first).

TECHNICAL INFORMATION

MATERIALS

Our Symbol	Simbol of the norme	Description
S	X45CrSi9-3 - 1.4718	Martensitic steel to chrome-silicon for exhaust valves for engines of normal use and for inlet valves for engines particularly stressed.
K	X53CrMnNiN21-9 – 1.4871	Steel at chrome nickel-manganese for exhaust valves on engines particularly stressed both to gasoline and diesel.
W	X33CrNiMn23-8	Steel at chrome nickel-manganese, high nichel content, for exhaust valves on highly-stressed turbocharged petrol and diesel engines.



TERMES ET CONDITIONS DE VENTE

DEFINITIONS

Les expressions suivantes auront le sens suivantes:

- Client: personne, entreprise ou agent qui achète le produit *GIEFFE*;
- Contrat: le contrat de vente parmi *Martek S.r.l.* et le client;
- Produit: les parties de voitures, accessoires et autres biens objet de l'opération commerciale.

ACCEPTATION DE LA COMMANDE

Toutes les commandes sont approuvées et la marchandise est fournie entre les termes signalés dans les présentes conditions de vente.

Pour ce qui n'est pas prévu, on fait référence aux coutumes du secteur, à la loi Européenne et à la loi italienne.

On n'accepte pas aucune modification aux conditions mentionnées, sauf explicite acceptation écrite et signée par un représentant autorisé par *Martek S.r.l.*

Le client doit accepter sans réserve les termes et les conditions de *Martek S.r.l.*

MODIFICATIONS À LA COMMANDE

N'importe quel variation de type, de quote, de matériel ou d'autres caractéristiques, qui se rend nécessaire pour objectives raisons, devra être signalée à *Martek S.r.l.* et après accordée avec le Bureau Technicien. Les modifications adoptées seront confirmées avec transmission de réguliers modifications aux commandes, projets ajournés ou de documents equivalents de la part du Bureau d'Achat de Martek.

Quand cette procédure n'a pas été effectuée on devra se retenir exclue n'importe quel possibilité de modification des commandes de la part du Fournisseur.

AVANCE DE LIVRAISON

Les parties conviennent que même dans l'hypothèse dans laquelle *Martek S.r.l.* avances les livraisons par rapport aux termes prescrits, les paiements devront être effectuées dans les termes prévus du contrat, en s'entendant pour tels les termes prévus dans les commandes ou dans le « programme d'expédition ».

PRIX

Tous les prix sont FRANC ETABLISSEMENT en Euro, sauf accords différents.

La *Martek S.r.l.* on réserve le droit de varier à tout moment la liste des prix sans préavis, la marchandise sera facturée au client aux prix en vigueur à la date de livraison, sauf accord écrit



contraire.

DIFFÉRENCES DE FACTURATION

Eventuelles différences parmi la marchandise commandée et celle fournie et facturée doivent être signalées à *Martek S.r.l.* avant 10 jours de la réception près du client.

DATE DE LIVRAISON

Les dates de livraison sont indiquées de bonne foi, mais aucune responsabilité est assumée en cas de retards.

PAIEMENTS

- La méthode du paiement sera définie à l'instant de la confirmation de la commande.
- Martek n'acceptera pas la restitution de la marchandise pour n'importe quelle raison passés 30 jours de la date de livraison au client ;
- Les produits fournis correctement peuvent être rendus à Martek, avec transport payé, seulement après acceptation de la part de *Martek S.r.l.*, et ils seront soumis à une pénalité, pour les frais administratifs, égale à 50%.
- *Martek S.r.l.* se réserve le droit d'appliquer un intérêt égal au taux de référence interbancaire européen, plus une "spread" du 5%, pour les paiements en retard.

TITRE ET PROPRIÉTÉ

Le *Martek S.r.l.* reste propriétaire de la marchandise jusqu'au paiement complet.

Jusqu'au paiement complet, le client doit conserver la marchandise dans son emballage original.

En cas de paiement manqué, *Martek S.r.l.* pourra entreprendre, directement ou à travers les agents locaux, toutes les actions pour réintégrer en possession de la marchandise.

Jusqu'à l'état d'insolvabilité, *Martek S.r.l.* est autorisée à annuler toute autre commande du client.

DESCRIPTIONS ET SPÉCIFIQUES

Martek S.r.l. fait chaque effort pour vérifier la précision des descriptions, des illustrations et des informations contenues dans ce catalogue et dans chaque autre matériel technique et publicitaire.

Les erreurs possibles ne justifient pas de quelque manière les modifications aux conditions ici introduites.

Martek S.r.l. se réserve le droit de modifier les spécifications et les prix publiés sans préavis.

Les références et descriptions, quand nécessairement conforme à l'original, sont données à titre indicatif, car ces matériaux ne sont pas d'origine, mais ils sont interchangeables.

Martek S.r.l. délivre le client de toutes responsabilités pour infractions de tout brevet, modèle déposé ou d'autres droits déposés.



COSTRUCTION AVEC ÉCHANTILLONS OU DESSINS

Martek S.r.l. peut produire soupapes et autres pièces de rechange derrière demandes spécifiques du client.

Le client doit fournir dessins qui seront valués et approuvés par le Bureau Technique.

Si le client fournit des échantillons, *Martek S.r.l.* élaborera des dessins spécifiques avec les indications des tolérances qui seront respectées en stade de production.

Les dessins restent toujours de propriété exclusive de *Martek S.r.l.*, aussi que les équipements, mouleaux et autre documentation technique développée spécifiquement pour répondre aux demandes du client.

Le client ne doit pas copier, photographier ou cependant reproduire totalement ou partiellement sous tout forme les dessins élaborés par *Martek S.r.l.* et transmit au client pour connaissance/approbation.

Chaque violation de la clause ci-dessus sera passible de chaque action de Loi.

PERTE ET DOMMAGES CONSÉQUENTS

Except quand formellement accordé, *Martek S.r.l.* n'est pas en aucune façon responsable pour pertes ou dommages directs ou conséquents dérivés par l'usage du produit.

L'acceptation de la marchandise de la part du client sera considérée comme reconnaissance de la vente correcte et acceptation des conditions arrangée avec le Client.

LOI

Sauf accord contraire écrit le contrat est gouverné par les lois italiennes.

Le tribunal compétent pour les possibles confrontations est celui de Turin

SUPPORT TECHNIQUE

Toutes les recommandations, suggestions et informations techniques sont fournies par *Martek S.r.l.* de bonne foi, ils sont trouvées dans la littérature technique ou dans les information disponibles dans le secteur.

Martek S.r.l. ne sera pas responsable pour pertes ou dommages dèrivants par l'usage incorrect de cettès informations, fournites pour compléter ce qui est connu de la part du client sur l'aptitude à l'usage et les conditions d'usage des produits **GIEFFE** produit de marche.

DROITS LÉGAUX

Aucun des présentes conditions de vente a l'intention d'endommager les droits des consommateurs, définis par la loi Européenne.



CONDITIONS DE GARANTIE

Les produits de marque **GIEFFE** sont contrôlés, inspectés et approuvés dans chaque stade du processus de production. Par conséquent ils peuvent être utilisés avec pleine sécurité.

Les produits de marque **GIEFFE** sont garantis sans défauts de production et de matériels pour les suivantes périodes de temps:

- 1 année pour les produits nouveaux; la garantie couvre la substitution des détails réclamés seulement si ils ont été conservés correctement;
- 3 mois de la date d'installation du moteur, sans limitations de kilomètres ou de heures de travail, seulement si le produit a été correctement installé et les analyses techniques montrent que les problèmes dérivent de la part de les produits de marque **GIEFFE**. Après l'approbation, **Martek S.r.l.** remboursera les frais pour les pièces endommagées et les heures de travail nécessaires pour réparer l'avarie attribuée aux produits défectueux. Par conséquent, la garantie couvre les coûts du travail et les composants nécessaires pour réparer l'avarie, inclus les dommages indirects sur le moteur. Les coûts sont limités aux pièces et au travail nécessaire pour restaurer le moteur dans les conditions opérationnelles qui il y avait immédiatement avant l'avarie. Le coût du travail est déterminé sur les valeurs actuelles en vigueur dans la zone dans laquelle la panne est arrivée. L'indemnité pour le travail de nuit ou de fête n'est pas reconnue. Le remboursement inclut les biens de consommation comme l'huile, anti-givrage, courroies, filtres etc.. directement endommagés par la panne. Ne sont pas inclus tous les dommages au moteur pour un usage inapproprié ou négligence de la part des opérateurs, de mauvaises procédures de réparation, altération ou mauvaise application de parties liées aux produits de marque **GIEFFE**, ou utilisés dans le moteur modifié pour être utilisés dans les concours de sport. La garantie n'inclut pas: le coût de déchargement et déplacement du véhicule. La garantie ne couvre pas les véhicules de police ou gouvernementaux; les produits ne pas utilisés correctement, re-utilisés après un accident ou une inexacte installation et entretien, les produits qui ont été transférés par le véhicule dans lequel ils étaient installés initialement. Aucun autre garantie est donnée, soit implicite soit explicite, inclus la commerciabilité ou l'adaptabilité aux usages spécifiques.

LIMITATIONS

Les produits endommagés dans le transport, à cause de mauvais emballages ou manque de parties, ne sont pas soumis aux règles citées au-dessus.

Aucun remboursement sera effectué pour les cartons ouverts, pour emballages endommagés ou salés à cause du client ou des produits qui ne sont pas d'origine **GIEFFE**.



PROCÉDURE POUR L'APPLICATION DE GARANTIE. RESTITUTION DES PIÈCES ENDOMMAGÉES

La procédure *Martek S.r.l.* est la suivante, sans exceptions:

- Le remboursement doit être toujours autorisé par *Martek S.r.l.*;
- Les pièces endommagées doivent avoir les informations suivantes:
 - ▷ Type de véhicule, modèle, année;
 - ▷ Vie du véhicule (Km, heures de travail);
 - ▷ nom du technicien;
 - ▷ description du défaut;
 - ▷ documentation photographique du moteur et des pièces endommagées;
 - ▷ durée présumée de service avant le problème;
 - ▷ information sur la date présumée de production du particulier.

Aucun remboursement sera donné en absence de telle documentation/information.

Informations pas correctes, pièces pas d'origine *GIEFFE*, pièces usagées et déclarées nouveaux, etc.. fournis pour obtenir remboursements indus seront considérés fraude et seront poursuivis aux termes de loi.



INSTRUCTIONS D'EMMAGASINAGE

Les produit de marche **GIEFFE** sont faciles à emmagasiner.

Aucun problème peut occourir dans les normales conditions de magasin

- température $-10 \div + 40$ °C
- humidité < 60 %

Protéger de la pluie et de la poussière.

L'emballage fournit une bonne indication pour un correct emmagasinage. Si l'emballage est sec et pas détérioré dans quelque mode, on peut être sûr que les produits sont dans les conditions optimales.

Le client doit tourner le magasin dans la condition "FIRST IN - FIRST OUT" (la marchandise entrée avant doit sortir avant).

NOUVELLES TECHNIQUES

MATÉRIEL

Notre Symbole	Symbole normée	Description
S	X45CrSi9-3 - 1.4718	Acier martensitique au chrome-silicium pour soupapes d'échappement pour moteurs de normal usage et pour soupapes d'admission pour moteurs sollicités particulièrement.
K	X53CrMnNiN21-9 - 1.4871	Acier au chrome nickel-manganèse pour soupapes d'échappement pour moteurs sollicités particulièrement à essence ou diesel.
W	X33CrNiMn23-8	Acier au chrome-nickel-manganèse à teneur élevée en nickel pour les soupapes d'échappement des moteurs essence et diesel particulièrement sollicit.



TÉRMINOS Y CONDICIONES DE VENTA

DEFINICIONES

Las siguientes expresiones tendrán el siguiente significado:

- Cliente: persona, empresa o agente que adquiere el producto marcado *GIEFFE*;
- Contrato: el contrato de venta entre *Martek S.r.l.* y el cliente;
- Producto: miembros automovilísticas, accesorios y otras mercancías objeto de la transacción comercial.

ACEPTACIÓN DEL PEDIDO

Todo los pedidos están aceptados y las mercancías están provistas en los términos indicados por las presentes condiciones de venta.

Por todo lo que no está indicado, se hace referencia a las costumbres del sector, a la normativa europea y a la ley italiana.

Ninguna modificación a las presentes condiciones está aceptada, a menos de explícita aceptación escrita y firmada por un representante de *Martek S.r.l.*

El cliente tiene que aceptar sin reservas los términos y las condiciones de *Martek S.r.l.*

VARIACIONES AL PEDIDO

Cualquiera variación de tipo, de cuota, de material o de otras características, necesaria con objetivas razones, tendrá que ser señalada a *Martek S.r.l.* y sucesivamente concordada con la Oficina Técnica. Las variantes adoptadas serán confirmadas con transmisión de regulares variantes al pedido, diseños actualizados o documentos equivalentes de parte de la oficina Adquiere de *Martek S.r.l.*

Donde tal procedimiento no haya sido heco tendrá que creerse excluido cualquiera posibilidades de modificación del pedido de parte del Proveedor.

ANTICIPO DE ENTREGA

Las partes convienen que también si *Martek S.r.l.* adelanta las entregas con respecto de los términos prescritos, los pagos tendrán que ser efectuados en los términos previstos por el contrato, entendiéndose para tales los términos previstos en el pedido o en el "programa de envío."

PRECIOS

Todos los precios soy FRANCO FÁBRICA en Euro, fuera de acuerdos diferentes.

Martek S.r.l. puede variar en cualquier momento el listín de precios sin preaviso, las mercancías



serán facturadas al cliente a los precios en vigor a la fecha de envío, fuera de acuerdo escrito contrario.

DIFERENCIAS DE FACTURACIÓN

Eventuales diferencias entre las mercancías ordenadas y aquellas enviadas y facturadas tienen que ser señaladas a *Martek S.r.l.* entre de 10 días del recibo al cliente.

FECHAS DE ENTREGA

Las fechas del envío e/o de entrega son indicadas en buena fe, pero ninguna responsabilidad es asumida en el caso de retrasos.

PAGOS

- El método del pago será definido al momento de la confirmación del pedido.
- *Martek S.r.l.* no aceptará la restitución de mercancías por cualquier motivo sin aceptación escrita previa
- Los productos proveídos correctamente podrán ser devolvéis a *Martek S.r.l.*, con transporte pagado, sólo después de aceptación de la parte de *Martek S.r.l.*, y estarán sometidas a una cláusula penal, por costes administrativos, igual al 50%.
- *Martek S.r.l.* se reserva el derecho a aplicar un interés igual a la tasa de referencia interbancaria europea, más un spread del 5%, por los pagos en retraso.

TÍTULO Y PROPIEDAD

Martek S.r.l. queda propietaria de las mercancías hasta el pago completo.

Hasta el pago completo, el cliente tiene que conservar las mercancías en su embalaje originario. En caso de pago no recibido, *Martek S.r.l.* podrá empezar, directamente o por los agentes locales, cada acciones para regresar en posesión de las mercancías.

Hasta el quedar del estado de insolvencia, *Martek S.r.l.* está autorizada a anular cada otro pedido del cliente insolvente.

DESCRIPCIONES Y ESPECIFICACIONES

Martek S.r.l. cumple cada esfuerzo para verificar la exactitud de las descripciones, de las ilustraciones y de las informaciones contenidas en este catálogo y en cada otro material técnico y publicitario empresarial. Eventuales errores no justifican pero modificaciones a las condiciones aquí presentadas.

Martek S.r.l. puede modificar las especificaciones y los precios publicados sin preaviso.

Las referencias y descripciones, cuando se ajustan necesariamente a la originales, se dan como una guía, ya que estos materiales no son originales, sino intercambiables. *Martek S.r.l.* libera al cliente de cualquiera responsabilidad consiguiente de infracciones de cualquier patente, modelo depositado o otros derechos depositados.



CONSTRUCCIÓN SOBRE DISEGNOS O MUESTRAS

Martek S.r.l. está disponible a producir válvulas y otras piezas de repuesto para específicas exigencias del cliente.

El cliente tiene que proveer diseños que serán evaluados y aprobados por la oficina técnica. Si el Cliente aprovisiona muestras, *Martek S.r.l.* elaborará específicos diseños con las indicaciones de las tolerancias que serán respetadas en fase de producción. Los diseños tendrán que ser aprobados por el cliente antes de la producción.

Los diseños siempre quedan de exclusiva propiedad de *Martek S.r.l.*, como así los aparejos, moldes y otra documentación técnica precisamente desarrollada para satisfacer las exigencias del cliente.

Es absoluta prohibición al cliente de copiar, fotografiar o en todo caso de reproducir en cualquiera forma sea totalmente sea parcialmente los diseños elaborados por *Martek S.r.l.* y transmitidos al cliente para conocimiento/aprobación.

Cada violación de la cláusula de que sobre será pasible de cada acción de Ley.

PÉRDIDA Y DAÑOS CONSIGUIENTES

Fuera de cuando expresamente concordato, *Martek S.r.l.* no es responsable para pérdidas o daños directos o consiguientes hechos falta y derivados de cualquier modo por la utilización del producto.

La aceptación de las mercancías del cliente será considerada como reconocimiento de la correcta venta y aceptación de las condiciones concordadas con el Cliente.

LEY

Fuera de acuerdo contrario por escrito el contrato es gobernado por las leyes italianas.

El tribunal competente por eventuales contestaciones es aquel de Torino.

ASISTENCIA TÉCNICA

Martek S.r.l. provee en buena fe todas las recomendaciones, sugerencias y informaciones técnicas, en cuánto sacadas de la literatura técnica o de las informaciones disponibles en el sector.

Martek S.r.l. no será responsable para pérdidas o daños que derivarán de l'utilización no controlada de estas informaciones, datos para completar cuánto conocido al cliente sobre la idoneidad a la utilización y a las condiciones de utilización de los productos *Martek S.r.l.*

DERECHOS LEGALES

Nadie de las presentes condiciones de venta quiere perjudicar los derechos de los consumidores, definidos por la normativa europea.



CONDICIONES DE GARANTÍA

Los productos marcado **GIEFFE** están controlados, inspeccionados y aprobados en cada fase del proceso productivo. Pueden ser por lo tanto utilizados en plena seguridad.

Los productos marcado **GIEFFE** están garantizados sin defectos de elaboración y materiales para los siguientes períodos de tiempo:

- 1 año por productos nuevos; la garantía cubre la sustitución de las piezas exigidas sólo si han sido conservadas correctamente;
- 3 meses de la fecha de instalación sobre el motor, sin limitaciones de millaje o horas de trabajo, sólo si el producto ha sido instalado correctamente y los análisis técnicos han demostrado que los problemas son atribuibles a la responsabilidad del producto marcado **GIEFFE**. Después de la aprobación, **Martek S.r.l.** reembolsará los gastos relativos a las piezas dañadas y a las horas de trabajo necesarias para arreglar el daño directamente atribuible al producto defectuoso. La garantía cubre por lo tanto los costes del trabajo y las piezas necesarias a arreglar el daño, incluidos los daños indirectos sobre el motor. Los costes son limitados a los detalles y al trabajo necesario a restablecer el motor en las condiciones operativas precedentes a la avería. El coste del trabajo es determinado en los valores corrientes en vigor en la zona en la que ha ocurrido la avería. No son reconocidas indemnización por el trabajo nocturno o festivo. El reembolso incluye los productos de consumo cuál aceite, anti-hielo, correas, filtros etcétera directamente perjudicados por la avería. Son excluidos los daños resultados al motor para un empleo inconveniente o debido a negligencia de parte de los operadores, de errados procedimientos de reparación, alteración o mala aplicación de piezas unidas a los productos marcado **GIEFFE** o empleo en motor modificados para ser utilizados en competiciones deportivas. La garantía no incluye el coste de desplazamiento del vehículo. La garantía no cubre los vehículos de policía o gubernativos; los productos no utilizados correctamente, reutilizados después de accidente o instalación y manutención impropia, los productos que han sido trasladados por el vehículo al que han sido instalados inicialmente. Ninguna otra garantía es dada, sea implícita que explícita, incluida la comerciabilidad o la adaptabilidad a específicos empleos.

LIMITACIONES

Los productos dañados en el transporte, a causa de malos embalajes o por piezas faltantes no están sometidas a las reglas sobre indicadas.

Ningún reembolso será efectuado por cajas que resultarán abiertas, por embalajes dañados o sucios a causa del cliente o por productos de origen no marcado **GIEFFE**.



PROCEDIMIENTO POR LA SOLICITUD DE GARANTÍA-RESTITUCIÓN DE LAS PIEZAS DAÑADAS

El procedimiento *Martek S.r.l.* es el siguiente, sin excepciones:

- El reembolso tiene que ser siempre autorizado por Martek S.r.l.;
- Las piezas dañadas tienen que ser acompañadas por las siguientes informaciones:
 - ▷ Tipo de vehículo, modelo, año;
 - ▷ Vida del vehículo (km, horas de trabajo);
 - ▷ nombre del instalador;
 - ▷ descripción del defecto;
 - ▷ documentación fotográfica del motor y las piezas dañadas;
 - ▷ durada presunta de servicio antes del problema;
 - ▷ informaciones sobre la presunta fecha de producción de la pieza.

Ningún reembolso será dado sin tal documentación/informaciones.

Informaciones no correctas, particulares no de origen *GIEFFE*, particulares usados y aclarados nuevos etcétera, dotados para conseguir reembolsos no debidos serán considerados fraude y serán perseguibles a términos de ley.



INSTRUCCIONES DE ALMACENAMIENTO

Los productos marcado **GIEFFE** son de fácil conservación.

Ningún problema puede ocurrir en las normales condiciones de almacén:

- temperatura $-10 \div + 40$ °C
- humedad < 60 %

Proteger de la lluvia y del polvo.

El embalaje da una buena indicación del correcto almacenamiento. Si el embalaje está seco y no deteriorado en ningún modo, se puede estar seguros que los productos están en las condiciones óptimas.

El cliente tiene que girar el almacén en la condición FIRST IN - FIRST OUT (las mercancías entradas por primera salen por primeras también).

NOTICIAS TÉCNICAS

MATERIALES

Nuestro Símbolo	Sigla normada	Descripción
S	X45CrSi9-3 - 1.4718	Acero martensítico al cromo-silicio por válvulas de descargue por motor de normal empleo y por válvulas de aspiración por motor particularmente solicitados.
K	X53CrMnNiN21-9 – 1.4871	Acero al cromo níquel-manganeso por válvulas de descargue sobre motor particularmente solicitados sea a gasolina que diesel.
W	X33CrNiMn23-8	Acero al cromo-manganeso-cromo con un alto contenido de níquel para válvulas de escape para motores turbo a gasolina y diesel.

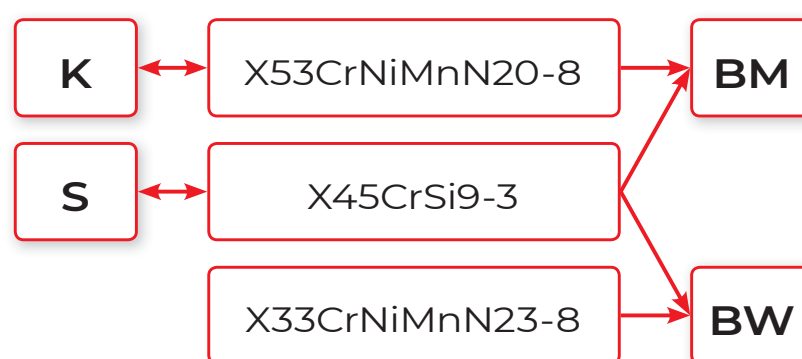


ACCIAI PER VALVOLE
VALVE STEEL
ACIERS POUR SOUPAPES
ACEROS PARA VALVULAS

%	S	K	W
	X45CrSi9-3	X53CrMnNiN21-9	X33CrNiMn23-8
Ni		2	7,5
Si	2,9	0,3	
Cr	9	21	23
Mn	0,5	8	3,3
N		0,3	0,4
C	0,5		0,4
P	0,04	0,05	



ACCIAI PER VALVOLE ED ESECUZIONI VALVE STEEL AND EXECUTIONS ACIERS POUR SOUPAPES ET EXECUTIONS ACEROS PARA VÁLVULAS Y EJECUCIONES



CR	NT	ST
<p>Valvola cromata Chromium-plated valve stem Tige de soupape chromée Valvula de cromo</p>	<p>Valvola nitrurata Nitrated valve Soupape nitrurée Válvula nitrurada</p>	<p>Valvola stellitata Stellite valve Soupape stellitee Válvula estrellada</p>
<p>Il riporto di cromo sullo stelo della valvola riduce l'attrito nascente dallo scorrimento con la guida valvola, aumenta l'indurimento superficiale e quindi la resistenza all'abrasione.</p> <p>Valve stems are chrome plated to reduce the functional forces with valve guide, increase the surface hardness and the wear resistance.</p> <p>Le chromage de la tige de la soupape réduit le frottement avec la guide superficielle et la résistance à l'abrasion.</p> <p>El remanente de cromo en el vástago de la válvula reduce la fricción creciente del deslizamiento con la guía de la válvula, aumenta endurecimiento de la superficie y luego el resistencia a la abrasión</p>	<p>Il procedimento di nitrurazione ha il duplice scopo di migliorare la resistenza all'usura ed alla fatica negli acciai inossidabili. Con la nitrurazione si migliora pure la resistenza alla corrosione e lo strato nitrurato conferisce una protezione alle superfici di scorrimento della valvola che può definirsi anti grippante anche in assenza totale di lubrificazione</p> <p>The benefits obtained from this surface treatment are increase in the fatigue strength and wear resistance of valves steels. This process improves also the corrosion resistance and nitriding reduces valve sticking even in the absence of a lubricant.</p> <p>La nitruration est une operation qui a pour but d'améliorer la résistance à l'usage et la limite de fatigue des aciers inoxydables. La résistance à la corrosion résulte aussi nettement améliorée et la couche nitrurée donne une protection superficielle que l'on peut appeler anti-grippage, même en absence totale de lubrifiant.</p> <p>El proceso de nitruración tiene el doble propósito de mejorar el desgaste y la resistencia a la fatiga en los aceros inoxidables. La nitruración también mejora la resistencia a la corrosión y la capa nitrurada brinda protección a las superficies deslizantes de la válvula que se puede definir como antiagarrotamiento incluso en ausencia total de lubricación.</p>	<p>Il riporto di cromo sullo stelo della valvola riduce l'attrito nascente dallo scorrimento con la guida valvola, aumenta l'indurimento superficiale e quindi la resistenza all'abrasione.</p> <p>Stellite is usually made on the seat, one point of the valve mostly subjected to wear and corrosion.</p> <p>Cette operation de satellite est pratiqué surtout sur la siege, un de points de la soupape soumis le plus à l'usure et à la corrosion.</p> <p>Esta operacion de arrastre de stellite se practica principalmente en el asiento, uno des los puntos de la válvula màas a desgaste y corriòn</p>



VALVOLE MAGGIORATE

OVERSIZE VALVES

SOUPAPES MAJOREE

VALVULAS SOBREMEDIDA

Le valvole maggiorate devono essere richieste indicando il numero di riferimento della valvola standard seguito dalla maggiorazione voluta tra quelle di seguito specificate.

The oversize valve can be requested giving the reference number of the std. valve together with the requested o/s as per the following list.

Les soupapes avec la tige majorée doivent être commandées en mentionnant le numéro de référence de la soupapes suivi par la majoration demandée selon la liste suivante.

Las válvulas sobre medida deben ser pedidas indicando el código de la válvula estándar seguido de la sobre medida indicando el código de la válvula estándar seguido de la sobre medida deseada entre aquellas especificadas.

Dim. Dim. Dim. Dim.	Metrico Dim. Metric Dim. Métrique Dim. Métrico Dim.	Aumento sul prezzo std. Increase on std. price Augmentation de prix std Incremento del precio std
.003"	0.075	4%
.006"	0.150	8%
.010"	0.200	10%
.012"	0.300	12%
.015"	0.400	15%
.024"		18%
.030"		20%

Possiamo fornire qualunque tipo di valvola, anche se non indicata in questo catalogo, a campione o a disegno, per quantitativi minimi di 2000 pezzi.

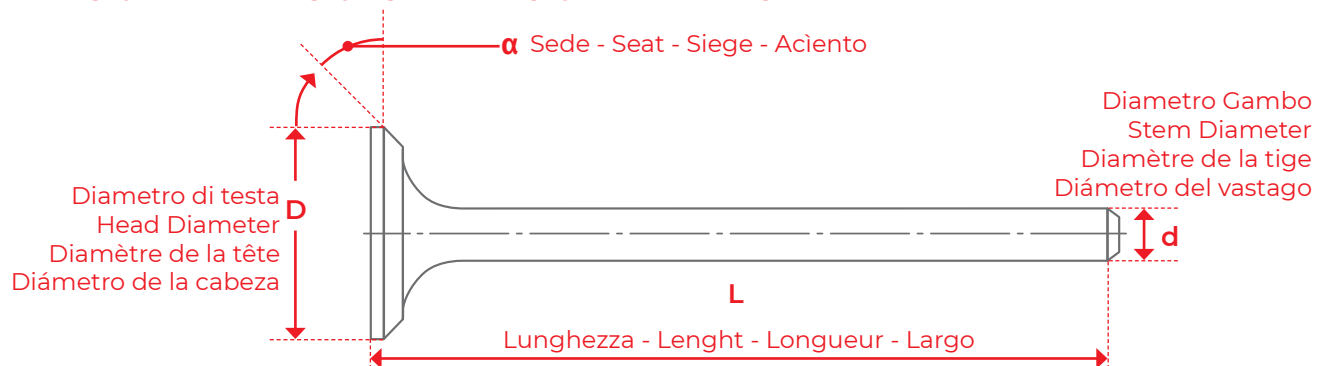
We can supply any type of engine valve, even if not indicated on this catalogue, as per sample or drawing, for a minimum quantity of 2000 pieces.

Nous pouvons fournir quelconque type de soupape, même si pas indiquée dans ce catalogue, conforme à échantillon ou dessin pour une quantité de 2000 pièces au moins.

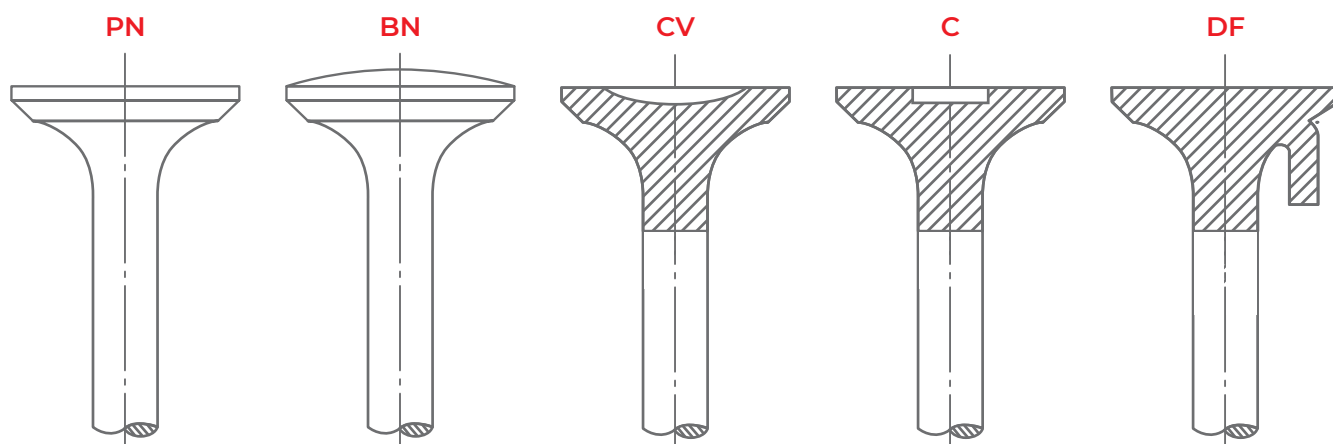
Podemos proveer cualquier tipo de válvula también si no ha sido indicada en este catálogo, con la muestra o el diseño, por una cantidad mini de 2000 piezas.



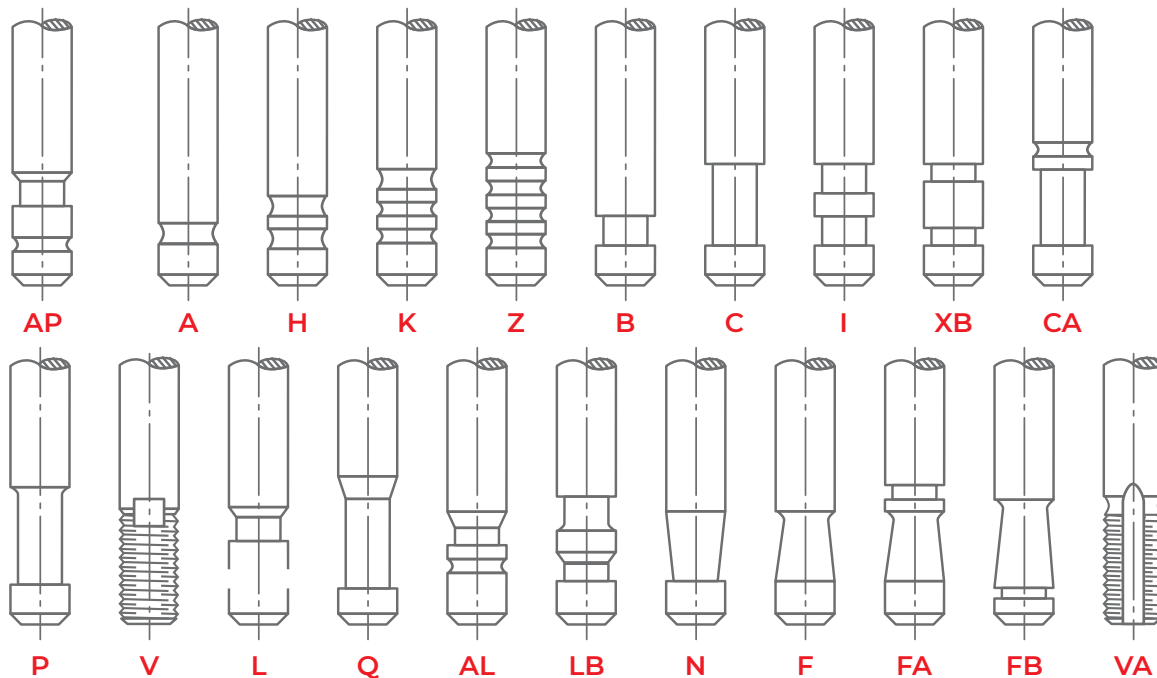
DIMENSIONI - DIMENSIONS - DIMENSION - MEDIDAS



FORMA TESTA - HEAD STYLE - STYLE DE TÊTE - TIPO DE CABEZA



FORMA DI FISSAGGIO - STEM GROOVE - STYLE DE GORGE - FROMA DE LA RANURA



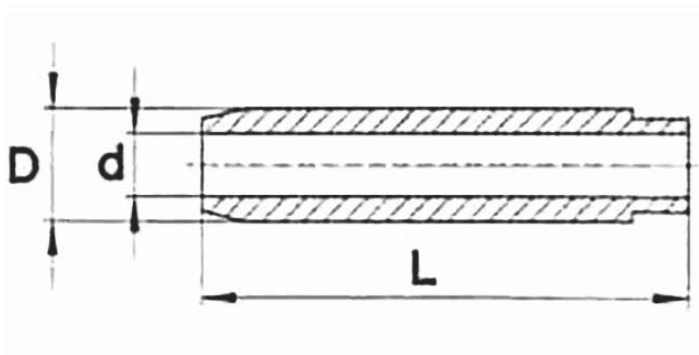


MATERIALI GUIDE

GUIDE MATERIALS

MATÉRIAUX DE GUIDAGE

MATERIALES DE GUÍA





d = diametro int. - Bore dia. - Dia. int. - Diam. int.



D = diametro est. - Outside dia. - Dia ext. - Diàm. Ext.



L = lunghezza - lenght - longuer - long.



Le dimensioni sono in mm. / Les dimensions sont en mm. / Dimensions are in mm. / Las dimensiones están en mm



GH	BR	MS
<p>Ghisa grigia a matrice perlitica caratterizzata da una buona resistenza all'usura , adatta per impieghi di normali sollecitazioni</p> <p>Perlitic grey iron with good resistance to wear suitable for applications with normal stress levels.</p> <p>Fonte grise à matrice perlitique avec une bonne résistance à l'usurè, indiquée pour des emplois à degré de contrainte normal.</p> <p>Fundición gris de matriz perlitica caracterizada por una buena resistencia al desgaste, apta para usos con un grado de solecitacion normal.</p>	<p>Lega caratterizzata da un elevata resistenza all'usura , buona resistenza alla fatica e corrosione , adatta per impieghi di media sollecitazione.</p> <p>Alloy with high resistance to fatigue and corrosion , suitable for applications with medium stress levels.</p> <p>Alliage presentant une resistance èlevèe a l'usurè, une bonne résistance à la fatigue et à la corrosion, indique pour des emplois à un degré de contrainte moyen</p> <p>Aleación caractenzada pour una resistencia elevada al desgaste , una buena resistencia a la fatiga y a la corrosion, apta para usos con un grado intermedio de sollicitacion .</p>	<p>Lega speciale che si distingue per la sue levata resistenza meccanica che viene mantenuta anche a temperature estremamente elevate.</p> <p>This special alloy is characterized by its elevated mechanical resistance that is also manteneid at extremely high temperatures.</p> <p>Alliage se caracterise per una ristance mecanique elevèe qui se maintient même à dès températures extrèmement èlevées.</p> <p>Aleacion special se caracteriza por su elevada resistencia mecànica que se mantiene incluso a temperaturas extremadamente elevadas.</p>



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
ALFA ROMEO																
Alfa 75 Alfa 164 2.0 i Twin Spark 155 1.7 155 1.8 155 2.0 164 2.0 (85/95/105/107/109 KW)	AR06224 AR06166	1987 1992 1993 1994	1962 1749 1773 1995	4		IN	60513310	1092	44.0	8	116.0	PN	45	K		
							60564098									
							195360330000									
							EX	60512751	1093	38.0	8	119.5	PN	45		K
								195100330105								
	IN	60701202	G52116	15.07	8	48								Br		
	EX	60579200													G52119	15.07









ALFA ROMEO																
Spider 3.0 12V		1998	2959	V6		IN	60512982	1094	43.9	9	104.8	CV	45	K		
							EX	60601089	1095	38.6	9	92.2	PN	45		K
	IN	119000150302	G51245	14.04	9	49							Br			
	EX	60737369												G52082	14.06	9











ALFA ROMEO																
Alfa 33 1.7 i.e. 16V Eng 307.46 145/146 1.7 16V (95/97 KW)	AR30746 AR30747	1989 1995	1712	4		IN	60525336	1096	32.0	7	99.1	PN	45	K		
							A133798									
							EX	60525337	1097	26.0	7	101.2	PN	45		K
								A133799								
	IN	60562594	G52260	12.06	7	40.5							Br			
	EX	60562595												G52263	12.07	7

ALFA ROMEO																							
Alfa 33 1.2. / Nuova 1.2 Alfa 33 1.3 / Nuova 1.3 Alfa 33 1.5 / Nuova 1.5 Alfa 33 1.7 / Nuova 1.7 i.e. 145/146 1.3 145/146 1.6 KW (32/34/43/53/55)	AR30732 AR30734 AR30743 AR30753 AR30755	1988 1990	1186 1351 1490 1717 1351 1596	4		IN	A134957	1098	39.8	8	92.0	PN	45	K									
							60540326																
							EX	116080330101	0006	37.0	9	106.5	PN	30		A							
								60540325									1099	33.1	8	92.1	PN	45	K
								A134958															
	IN	60750222	G52375	13.08	8.02	40.5							Gh										
	EX	60750222												G52375	13.08	8.02	40.5	Gh					

ALFA ROMEO																
164 2.0 Turbo i 164 2.0 Turbo V6 S GTV 2.0 Turbo Spider 2.0 TB	AR16202	1991 1995 1999	1996	V6		IN	60513702	1100	36.5	9	107.2	CV	45	K		
							60625603									
							195610330000									
							EX	60513703	1101	32.5	9	94.9	PN	45		K
								195610330100								
	IN	60810438	G52403	14.05	9	48.5							Br			
	EX	60810435												G52601	14.06	9



ALFA ROMEO																
156 2.5 TB 24V 166 2.5 TB 24V		1999	2492	V6		IN	60667700	1102	33.6	7	102.0	CV	45	K		
							60582738									
							55186769									
							EX	60582739	1103	29.1	7	102.1	PN	45		K
	IN	60612839	G52527	12.06	7	38							Gh			
	EX	60612835												G52342	12.07	7

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
ALFA ROMEO															
Spider 3.2 ie V6 24V 164 3.0 V6 24V 164 3.0 Quadrifoglio 4WD GTV 3.0 TB 24V (154/171 KW)	AR64307 936A000	1992 1999	2959	V6		IN	60560643	1400	35.6	7	102.0	CV	45	K	
						EX	60560644	1401	31.1	7	102.2	PN	45	K	
						IN	60612839	G52527	12.06	7	38				Gh
						EX	60612835	G52342	12.07	7	43				Gh
ALFA ROMEO															
159 1.9 GDi 16V 159 2.2 GDi 16V Brera 2.2 Gdi 159 2.2 JTS 16V	939A6000 939A5000	2005	1900 2200	4		IN	55192156	2192	35.1	6	102.2	CV	45	K	
						EX	71739686	2193	30.1	6	100.9	CV	45	K	
						IN	9006082	G52892	10.03	6	36				MS
						EX	9006082	G52892	10.03	6	36				MS
ALFA ROMEO															
159 3.2 JTS Brera 3.2 JTS Spieder 3.2 JTS	939A000	2006	3200	V6		IN	71741112	2648	35.1	6	101.2	CV	45	A	
						EX	71741113	2649	30.6	6	97.0	CV	45	A	
						IN									
						EX									
ALFA ROMEO															
Mito 1.4 GPL Giulietta 1.4 GPL	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K	
						EX	55225887	2653	23.0	6	94.6	CV	30	K	
						IN	46518800	G52525	10.06	6.02	39.7				MS
						EX	46518800	G52525	10.06	6.02	39.7				MS
ALFA ROMEO															
159 1.8 16V 159 1.8 Sportwagon Brera 1.8 TBI Spider 1.8 TBI	939A4000 939B1000	2006	1796	4		IN	55557741	2660	31.2	5	113.9	CV	45	K	
						EX	71744388	2661	27.5	5	113.2	CV	45	K	
						IN									
						EX									
ALFA ROMEO															
MiTo 1.4 16V Giulietta 1.4 TB	199A8000 959A9000 955A1000 940B1000 940B8000	2008	1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K	
						EX	55185080 55206233 55239748	2663	22.4	6	94.6	PN	45	K	
						IN	46441525	G52524	10.03	6.02	39.7				MS
						EX	46441525	G52524	10.03	6.02	39.7				MS



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
ALFA ROMEO																
155 2.0 i Turbo	AR67203	1992	1995	4		IN	60805834	2686	34.5	7	128.0	PN	45	A		
							7574739									
							7722907									
							EX	7574742	2687	28.5	7	125.6	PN	45		A
								60805836								
7598073																
7611673																
7650916																
	IN	7616998	G52244	14.03	7.02	51.3									Gh	
		EX													7616998	G52244
ALFA ROMEO																
Nuova 75 1.8 Alfa 164 Turbo 2.0 i.e.	M619DT200	1987 1991	1456 1995	4		IN	7547400	2719	43.5	8	105.8	CV	45	A		
							7031135									
							46406169									
							EX	7597080	0254	36.2	8	105.7	PN	45		A
								5953041								
	IN	4250801	G52603	14.06	8.02	42									Gh	
		EX													4250801	G52603
ALFA ROMEO																
145 1.6 / 2.0 16V T.S. 146 1.6 / 1.8 16V T.S. 156 1.8 / 2.0 16V T.S. GTV 1.8 / 2.0 16V T.S. Spider 1.8 / 2.0 16V T.S. 166 2.0 16V T.S. 147 1.6 16V T.S. 147 2.0 16V T.S. 156 1.6 16V T.S. 156 1.8 16V T.S. 156 2.0 16V T.S. (83/88/103/110 KW)	AR32101 AR67601 AR32201 AR67106	1999 2001 2005	1598 1747 1970	4		IN	560017	2914	33.6	7	113.0	PN	45	K		
							60811153									
							7766564									
							EX	60674496	2915	28.1	7	108.5	PN	45		K
								560018								
60811154																
	IN	60811090	G52477	13.03	7.02	46									Gh	
		EX													60811087	G52475
ALFA ROMEO																
145 1.4 16V Twin Spark 146 1.4 16V Twin Spark 147 1.6 16V Twin Spark (77 KW) NEW 147 1.6 16V TS 77 Kw	AR37203 AR33503	1999 2001 2005	1370 1598	4		IN	60812982	2916	30.0	7	113.1	PN	45	K		
							7735898									
							EX	60812981	2917	26.1	7	108.5	PN	45		K
								7735899								
																
ALFA ROMEO																
Mito 0.9 Turbo	312A2000 312A4000 199B6000	2011 2013	872	2		IN	55229666	2940	30.1	5	95.5	CV	45	K		
							EX	55231897	2941	25.3	5	95.3	CV	45		K
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
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ALFA ROMEO DIESEL

Alfa 33TD / Giardinetta TD Giulietta 2.0 TD Alfetta 2.0 TD Alfa 75 2.0 Alfa 90 2.0 TD Alfetta / Giulietta TD Alfa 90 / Alfetta Giardinetta Alfetta 2.4 TD Alfa 90 TD / 75 2.4 TD Alfa 6.2.5 TD Alfa 164 2.5 TD 155 2.5 TD 164 2.5 TD (55/70/77/81)		1981	1779	4		IN	2036026	0001	40.1	8	121.0	PN	55	A								
		1983	1995				116760330001									60507189						
		1984	2392	5				EX	116760330101	0002	34.0	8	121.0	PN		45	A					
		1985/88	2393						60732850									60540864				
		1986/87	2492	60507190					2037025A	2037018	60507190	195580330100										
		1992	2500																			


ALFA ROMEO DIESEL

145 1.9 JTD 146 1.9 JTD 156 1.9 / 2.4 JTD 166 2.4 JTD 147 1.9 JTD 156 1.9 JTD 156 2.4 JTD 166 2.4 JTD 159 1.9 JTD	AR32302 182B9000 937A2000	1998	1910	4		IN	55193126	1404	35.5	8	115.0	PN	45	K								
		2001	2387				46478834									60814605	46750859					
				5				EX	55202630	1405	34.5	8	115.0	PN		45	K					
									60814604									46416321	46783962			


ALFA ROMEO DIESEL






147 1.9 JTD 16V 156 1.9 JTD 16V 156 2.4 JTD 20V NEW 147 1.9 JTD 16V GT 1.9 MJ 16V 159 1.9 JTD 16V 159 2.4 JTD 20V (Up to engine 5192516)	192A5000 841G000 937A5000 939A3000	2003	1910	4		IN	55190248	2647	27.8	5	114.2	PN	45	K						
		2006	2387				195535									1398	27.8	6	114.4	PN
		2007		46802049			55206431	2658	27.9	5	114.4	PN	45	K						





ALFA ROMEO DIESEL

Mito 1.6 JTDM 16V Giulietta 1.6 JTDM 16V	198A2000	2008	1598	4		IN	55205125	2654	26.5	5	114.4	PN	45	K									


ALFA ROMEO DIESEL


Giulietta 2.0 JTDM	192A5000	2005	1956	4		IN	55207517	2658	27.9	5	114.4	PN	45	K									


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
ALFA ROMEO DIESEL															
145 / 146 2.0 TD 155 1.9 TD 155 2.0 TD	AR33601	1993	1929	4		IN	7547158 60808694	2694	37.4	8	116.6	PN	45	A	
						EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A	
						EX	60808695	2695	33.5	8	116.6	PN	45	A	
						IN	4250803	G52606	14.06	8.02	46.5				Gh
						EX	4250803	G52606	14.06	8.02	46.5				Gh
ALFA ROMEO DIESEL															
Mito 1.3 JTDM	188A9000	2008	1248	4		IN	55219793	2924	21.8	6	109.2	PN	45	K	
						EX	55208213	2925	21.8	6	109.2	PN	45	K	
						IN	46816601	G5S2805	10.03	6.02	43				MS
EX	46816601	G5S2805	10.03	6.02	43				MS						
ASTRA															
HD 7 44.34 HD 7 64.34	8460.41K	1996	9500	6		IN	61316814	0296	49.5	9	147.3	PN	30	A	
						EX	61315973	0297	43.0	9	146.0	PN	45	A	
						IN		G51923	16.05	9.02	67				Gh
EX		G51923	16.05	9.02	67				Gh						
ASTRA															
HD 7 42.42 HD 7 42.42 T HD 7 44.38 HD 7 44.38 T HD 7 44.42 HD 7 44.42 HD 7 64.38 HD 7 64.38 T HD 7 64.42 HD 7 64.42 T HD 7 66.38 HD 7 66.42 HD 7 66.42 T HD 7 86.42 HD 8 42.38 HD 8 42.42 HD 8 64.42 HD 8 66.42 HD 8 84.42	8210.42L 8210.42K	1996 2005	13798	6		IN	98480846	0304	59.0	11	170.0	PN	45	A	
						EX	99452179	0305	49.0	11	170.0	PN	45	A	
						IN		G50278	18.02	11.02	86				Gh
EX		G50273	18.02	11.02	76				Gh						
AUDI															
80 C / CL / CC / GL 80 CL / GL / Formel E 100 C / CL / GL / Formel E 80 Coupé GL (44/55/63 KW)	WY WV	1981 1981 1983 1984	1296 1588 1781	4		IN	046109601K 049109601F	1118	34.0	8	98.7	CV	45	K	
						IN	5109601C 035109601F	3048	38.0	8	98.7	PN	45	K	
						EX	049109611F 049109611K	1119	31.2	8	98.5	CV	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	049 103 419	G51498	12.06	7.98	42.3				Br


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.					
AUDI																				
A3 1.8	ADR	1998	1781	4 V6		IN	058109601C	1132	27.0	6	105.1	CV	45	K						
S3 1.8 Turbo 20V	APU	2001	2771																	
A3 1.8 Turbo 20V	AQD	2004	2393																	
A4 1.8 Turbo 20V	AQA		2671																	
A4 1.8	AGA							EX	058109611E	1135	29.9	6	103.9	PN	45	K				
A4 2.8 V6	AJC																			
S4 2.7 I V6 Turbo 30V	APX																			
A6 1.8	AJQ							IN	058 103 415	G52488	11.06	6	35.9					Br		
A6 1.8 Turbo 20V	ALG							EX	058 103 415	G52488	11.06	6	35.9					Br		
A6 2.4	AJK																			
A6 2.7 Turbo	AEB																			
A8 2.8	ARE																			
TT 1.8	AUM																			
TT 1.8 Turbo	AUQ																			
A6 ALLROAD 2.7T	AWT																			
A62.7t	BFB																			
AUDI																				
A3 1.8	AGN	1994	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K						
A4 1.8 / 20V	ALT	2001																		
A4 2.0	BBJ																			
A4 3.0 V6 30V	ADP																			
A4 2.4 V6	APS							EX	058109611M	1133	29.9	6	104.0	PN	45	K				
30V	APR								06B109611D											
A4 2.8 V6	BDV																			
A6 2.4 V6	ASN																			
A6 3.0 V6								IN	058 103 415	G52488	11.06	6	35.9					Br		
A6 1.8								EX	058 103 415	G52488	11.06	6	35.9					Br		
(92 KW)																				
AUDI																				
A1 1.4 TFSI 16V	CPTA	2012	999			4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K				
A1 Sportback 1.4 TFSI	CMBA	2013	1395																	
A1 1.0 TFSI	CXSB	2014																		
A1 Sportback 1.0 TFSI	CHPB	2015																		
A3 1.4 TFSI 16V	CHZB							EX	04E109611J	2979	25.0	5	110.1	PN	30	K				
A3 Sportback 1.4 TFSI	CHZD																			
A3 1.0 TFSI	CHZE																			
A3 Sportback 1.0 TFSI	CUKB																			
A3 Limousine 1.4 TFSI	CVNA																			
A3 Cabriolet 1.4 TFSI	CXSA																			
A4 Avant 1.4 TFSI	CXUA																			
A5 Sportback 1.4 TFSI	CZCA																			
Q2 1.4 TFSI	CZDA																			
Q3 1.4 TFSI	CZDB																			
	CZEA																			
AUDI																				
80 GTE	DZ	1983 1984	1781	4		IN	026109601	3006	40.0	8	98.7	PN	45	K						
80 GTE Quattro																				
(82 KW)																				
											EX	035109611F	3007	33.2	8	98.5	PN	45	K	
												035109611H								
						IN	056 103 419A	G51227	12.06	7.98	36.5					Br				
						EX	049 103 419	G51498	12.06	7.98	42.3					Br				


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
AUDI																	
80 Eng. 100 2.0 Avant / Coupé 100 2.3 100 2.8 Avant / Quattro 80 / Quattro / Coupé / Avant (74/82/85/128 KW)	ABB	1981	1595	4 5 6		IN	048109601A	3014	39.5	8	91.9	PN	45	K			
	ABC	1984	1984														
	ABK	1990	2309														
	ABT	1994	2771														
	EX	048109611A 053109611	2980			33.2	8	91.2	PN	45	K						
	IN	056 103 419A	G51227			12.06	7.98	36.5									Br
EX	056 103 419A	G51227	12.06	7.98	36.5									Br			
AUDI																	
80 S / CC / CD / Quattro 80 / 80 Quattro 90 / 90 Quattro 100 / 100 Avant / quattro Coupé / GT / Quattro 80 CC / CD Quattro 100 CC / CD Avant / Quattro Avant 80 CLE / 4000 / 5000 USA / Japan Models Coupé 90-100 CC / CD / Avant Coupé GT / 5000 USA		1983	1595	4 5		IN	035109601G 035109601H 035109601J 035109601K	3016	38.0	8	91.9	PN	45	K			
		1984	1781														
		1985	1994														
		1986	2144														
		1988	2200														
		2226															
EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K									
EX	035109611K 034109611B	3005	33.2	8	90.8	PN	45	K									
IN	056 103 419A	G51227	12.06	7.98	36.5									Br			
EX	056 103 419A	G51227	12.06	7.98	36.5									Br			
AUDI																	
A3 1.6 A6 2.0 Cabriolet 2.0 A4 2.6 V6 Coupé / Cabrio A4 Cabriolet 2.8 V6 Cabrio A6 2.8 V6 A8 2.8 V6 A4 1.6 (74/110/128 KW)	AEH	1994	2598	6		IN	078109601A	3038	39.5	7	91.9	CV	45	K			
	AKL	1998	2571														
	APF																
	AUR																
	AFT																
	EX	048109611B 078109611C	3039			32.9	7	91.2	PN	45	K						
IN	037 103 419B	G52470	12.06	6.98	36.5									Br			
EX	037 103 419B	G52470	12.06	6.98	36.5									Br			
AUDI																	
80 Quattro Coupé 80 / 90 Quattro 90 / 90 Quattro 20V 90 / 90 2.0 20V Quattro Coupé S2 / S4 Avant Turbo / S6 2.2 90 2.3 / 2.3 E Quattro 20V V8 Quattro (101/118/125/162/169/184/206 KW)	ADU	1988	1984	4 5 8		IN	027109601C	3040	32.0	7	95.5	PN	45	A			
	ABH	1989	1994														
	ABY	1991	2226														
			2308														
			3562														
			4172														
EX	027109611B 027109611C 027109611D	3041	28.0	7	98.2	PN	45	A									
IN	027 103 419	G52304	12.06	7	38									Br			
EX	027 103 419	G52304	12.06	7	38									Br			
AUDI																	
80 / 80 Quattro 90 / 90 Quattro Coupé 80 GTE / Quattro 100 / 100 Avant / Quattro Coupé - GT / Quattro 5000 USA Models 80 / 80 Quattro 80 1.9E / 1.9E Quattro 100 2.0E / Avant / Coupé 100 2.3E / Avant / Coupé 80 Quattro / Coupé 80-90 / 90 Quattro 100 2.8 (7		1984	1781	4 5 6		IN	026109601A 026109601C	3042	40.0	8	91.0	PN	45	K			
		1985	1847														
		1986	1984														
		1987	1991														
		1987	1994														
		1988	2226														
EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K									
EX	034109611B 035109611K	3005	33.2	8	90.8	PN	45	K									
IN	056 103 419A	G51227	12.06	7.98	36.5									Br			
EX	056 103 419A	G51227	12.06	7.98	36.5									Br			


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
AUDI														
100 2.3E / Avant / Coupé (98 KW)		1990	2308	5		IN	069109601F 069109601G 069109601H	3043	36.0	8	95.6	PN	45	K
						EX	053109611	2980	33.2	8	91.2	PN	45	K
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br






AUDI														
80 CC / CD 80 Quattro 100 / 100 Avant 5000 USA Models 80 CL / GL / Formel E Quattro 80 CC / CD Coupé 80 Coupé GT55 / CD5E / 5S 100 C5 / CL5 / GL5 / L5 / Avant / Coupé GT55 90 E / Coupé GT / 100 Avant 100 Avant / 5CS-CL5S GL5S / CD5S 100 Avant C		1979 1981 1981 1982 1983 1984 1985 1986	1595 1781 1921 1994 2144	4 5		IN	035109601C 035109601F	3048	38.0	8	98.7	PN	45	K
						EX	035109611F 035109611H	3007	33.2	8	98.5	PN	45	K
						IN								
						EX								
						IN								
						EX								













AUDI														
A6 Avant / Quattro A6 Coupé / Cabrio S6 4.2 A8 4.2 (101/213/221 KW)	ACE	1994	1998 4172	4 8		IN	051109601B	3062	32.0	7	95.5	PN	45	K
						EX	051109611B	3063	27.0	7	98.0	PN	45	K
						IN	051 103 419	G52472	12.06	6.98	35			Br
						EX	051 103 419	G52472	12.06	6.98	35			Br






AUDI														
A8 3.7 A84.2 (dal telaio 4DT001) S6 4.2			3697 4172	8		IN	077109601K	3084	32.7	6	94.6	CV	45	K
						EX	077109611D	3085	27.0	6	97.0	PN	45	K
						IN								















AUDI														
A6 4.2 A8 3.7 A8 4.2	AQF AQG ARS		3697 4172	V8		IN	077109601Q	3088	26.9	6	96.5	CV	45	K
						EX	077109611K	3089	29.9	6	94.9	CV	45	K
						IN	058 103 415	G52488	11.06	6	35.9			Br
						EX	058 103 415	G52488	11.06	6	35.9			Br












AUDI														
A8 Eng.BHT-BTE	BHT BTE	2006	2300	V5		IN	022109601F	3090	30.9	6	136.1	CV	45	K
						IN	2109601E	3092	27.0	6	102.5	PN	45	K
						EX	022109611C	3093	27.0	6	136.4	PN	45	K
						EX	022109611B	3091	31.0	6	102.2	CV	45	K
						IN								



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
AUDI															
A6 2.4 V6	BDW	2004	2393	V6		IN	06E109601H	3096	32.3	6	104.0	CV	45	K	
						EX	06D109611L	3127	28.0	6	101.9	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br
AUDI															
A2 1.4 16V (55 KW) Eng. AUA A2 1.6 16V Eng. BAD NEW A3 1.6 FSi (85kw) Eng. BAG A1 1.4 TFSI Eng. CAXA	AUA BAD BAG	2001 2009	1390	4		IN	036109601S 036109601AD	3102	29.5	6	100.9	CV	45	K	
						EX	036109611K	3103	26.0	6	100.6	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br
AUDI															
A4 1.6 A3 1.6 Eng. ALE-AVU NEW A3 1.6 (75Kw) Eng. BGV	ALE AVU BGV	2001 2003	1595	4		IN	06B109601D 06B109601B	3114	39.4	6	93.8	CV	45	K	
						EX	06B109611B 06B109611C	3115	32.9	6	93.8	PN	45	K	
						IN									
						EX									
AUDI															
New A3 2.0 16V Fsi A4 2.0 20V Fsi A3 2.0 TSFI 16V A4 1.8 TFSI 16V A4 2.0 TSFI 16V A5 2.0 TSFI 16V A5 1.8 TFSI 16V Q5 2.0 TFSI 16V Eng. AXW-AWA-BYK-CAWB-CAEA- CDNB-CDNC	AXW AWA BYK CAWB CAEA CDNB CDNC	2003 2010	1984	4		IN	06D109601K 06D109601M 06E109601E	3126	33.8	6	104.0	CV	45	K	
						EX	06D109611K 06D109611L 06D109611H 06D109611T 06J109611A TAPERED 06J109611D TAPERED	3127	28.0	6	101.9	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br
AUDI															
Q7 3.6 V6 FSi Eng. BHK	BHK BUB	2007	3597	V6		IN	022109601H	3128	33.2	6	136.3	CV	45	K	
						IN	2109601G	3094	33.2	6	102.4	CV	45	K	
						EX	022109611P	3129	30.2	6	136.1	CV	45	K	
						EX	022109611N	3095	30.2	6	102.2	CV	45	K	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.		
AUDI																	
A1 1.2 TFSI A3 1.2 TFSI Eng.CBZA-CBZB	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K			
							EX	03F109611B 03F109611C	3131	30.0	6	98.3	PN	45	K		
								IN	058 103 415	G52488	11.06	6	35.9				Br
								EX	058 103 415	G52488	11.06	6	35.9				Br
AUDI DIESEL																	
80 Diesel GLD / LD (40 KW)	CN	1980 1981	1588	4		IN	068109601	1123	34.0	8	104.8	CV	45	A			
							EX	068109611	1124	31.0	8	104.5	CV	45	A		
								IN	056 103 419A	G51227	12.06	7.98	36.5				Br
								EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																	
100 L5D GL5D / CD / 5D 100 Avant D (52 KW)		1978 1986	1986	5		IN	069109601	1129	36.0	8	104.8	CV	45	A			
							EX	068109611	1124	31.0	8	104.5	CV	45	A		
								IN	056 103 419A	G51227	12.06	7.98	36.5				Br
								EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																	
100 Avant / Turbo Diesel C / CL / GL / CD / CC / CS (52/64 KW)	CY	1981 1985	1986	5		IN	069109601C 069109601D	1130	36.0	8	104.9	CV	45	K			
							EX	068109611C 068109611D 072109611	1131	31.2	8	104.5	CV	45	K		
								IN	056 103 419A	G51227	12.06	7.98	36.5				Br
								EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																	
80 Turbo Diesel A4 1.9 TDi 100 / Avant 100 / Avant-Turbo D A6 2.5 TDi (60/66/81/85/88/103 KW)	1Z AAT	1990 1991 1995	1896 2370 2460	4 5		IN	028109601A 028109601H 046109601G 046109601G 046109601J 046109601J	1948	36.0	8	96.9	PN	45	K			
							EX	068109611M 068109611L	3045	31.2	8	95.6	PN	45	K		
							EX	046109611C 046109611F 046109611E	1949	31.5	8	96.9	PN	45	K		
								IN	056 103 419A	G51227	12.06	7.98	36.5				Br
								EX	049 103 419	G51498	12.06	7.98	42.3				Br
							AUDI DIESEL										
A3 1.9 TDi A4 1.9 Tdi	AEY AHF AFN AHH AGR AFF ASV AHU	1996	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K			
							EX	028109611G	2971	31.5	7	96.9	PN	45	K		
								IN	037 103 419B	G52470	12.06	6.98	36.5				Br
								EX	037 103 419B	G52470	12.06	6.98	36.5				Br



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
AUDI DIESEL															
80 Diesel C / CL / GL 80 Turbo D / CL / CD (40/52 KW)	CR	1981 1982	1588	4		IN	068109601C 068109601D	3015	34.0	8	104.8	CV	45	K	
						EX	068109611C 068109611D 072109611	1131	31.2	8	104.5	CV	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL															
80 / 80 Turbo Diesel 100 Avant CC / CD Diesel 100 Avant CC / CD Turbo Diesel Hydraulic Lifter 100 / 100 Avant Turbo 100 (Eng. 3D) (50/52/55/60/64/75 KW)		1985 1986 1988 1989	1896 1986 2360	4 5		IN	069109601F 069109601G 069109601H	3043	36.0	8	95.6	PN	45	K	
						EX	068109611L 068109611M 069109611 074109611	3045	31.2	8	95.6	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	049 103 419	G51498	12.06	7.98	42.3				Br
AUDI DIESEL															
80 Diesel 1.6 80 Turbo Diesel 90 1.6 TD Hydraulic Lifter 90 Turbo (Italy) 80 CC / CD 80 Quattro 80 CC / CD Turbo 80 / 80 Quattro Turbo 90 Turbo Diesel Audi 80 1.91 Audi 100 2.41 (40/52/59 KW)	RA SB	1985 1985 1986 1987 1988 1989	1588	4 5		IN	068109601L 068109601M 068109601N	3044	34.0	8	95.6	PN	45	K	
						EX	068109611L 074109611 069109611 068109611M	3045	31.2	8	95.6	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	049 103 419	G51498	12.06	7.98	42.3				Br
AUDI DIESEL															
A4 2.5 Tdi A6 2.5 Tdi A8 2.5 Tdi ALLROAD 2.5 Tdi	AFB AKE AYM AKN AFB	1998	2496	v6		IN	059109601B 059109601C	3108	27.2	6	100.6	PN	45	K	
						EX	059109611C 059109611B	3109	24.1	6	100.6	PN	45	K	
						IN		G52632	10.06	5.98	42				Br
						EX		G52632	10.06	5.98	42				Br
AUDI DIESEL															
A4 1.9 Tdi A6 1.9 Tdi A2 1.4 Tdi (BEFORE 2003) New A3 1.9 Tdi	AVB ASZ AMF AJM BKC	2000 2003	1896 1422	4 3		IN	038109601B	3110	36.0	7	89.9	PN	45	K	
						EX	038109611B	3111	31.5	7	89.9	PN	45	K	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
AUDI DIESEL																
New A3 2.0 Tdi	BKD	2003	1968	4		IN	03G109601A	3118	29.4	6	88.5	PN	45	K		
							EX	03G109611B	3119	25.5	6	88.2	PN	45	K	
																
AUDI DIESEL																
A4 2.0 16V Tdi A6 2.0 16V Tdi	BLB AZV BKD BRE	2004 2006	1968	4		IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
							EX	03G109611D	3121	25.4	6	87.5	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			
						EX	058 103 415	G52488	11.06	6	35.9				Br	
AUDI DIESEL																
A6 2.5 V6 Tdi	BCZ	2003	2496	V6		IN	059109601F	3122	27.2	6	100.6	PN	45	K		
							EX	059109611G	3123	24.1	6	100.7	PN	45	K	
																
AUDI DIESEL																
A2 1.4 Tdi New A3 1.9 Tdi	AMF BKC AXR	2003	1422	4		IN	038109601E	3132	36.0	7	89.5	PN	45	K		
							EX	038109611E	3133	31.5	7	89.1	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
AUDI DIESEL																
A2 1.2 Tdi	ANY	2003	1191	3		IN	045109601	3134	35.9	7	89.7	PN	45	K		
							EX	045109611	3135	31.5	7	89.7	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
AUDI DIESEL																
A8 3.3 Tdi	AKF	2001	3328	V8		IN	057109601	3136	27.1	6	99.0	PN	45	K		
							EX	057109611B	3137	24.1	6	99.1	PN	45	K	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
AUDI DIESEL																		
Q5 3.0 V6 Tdi Q7 3.0 V6 Tdi Q7 4.2 V8 Tdi A5 3.0 V6 Tdi A6 3.0 V6 Tdi A4 3.0 V6 Tdi A8 3.0 V6 Tdi A4 2.7 V6 Tdi A5 2.7 V6 Tdi A6 2.7 V6 Tdi	BPP	2007	2698	V6		IN	059109601G	3138	28.6	6	99.3	PN	45	K				
	CAPA	2010	2967															
	BUG	2011																
	CASB																	
	CCWA							EX	059109611K 059109611H	3139	26.8	6	99.2	PN	45	K		
	CCWB																	
	CCFC																	
	CCKA																	
	CCLA																	
	CGKA																	
CGKB																		
CAND																		
CDYA																		
CDYC																		
AUDI DIESEL																		
A4 2.0 Tdi 16V A6 2.0 Tdi 16V Q5 2.0 TDI 16V A7 2.0 Tdi 16V Eng. CAGA-CAGB-CAGC-CAGR- CAHA-CMEA-CJCA-CGLB	BPW	2008	1996	4		IN	038109601F	3140	35.5	7	88.8	PN	45	K				
						EX	038109611G	3141	31.4	7	88.4	PN	45	K				
							IN	037 103 419B	G52470	12.06	6.98	36.5						
	EX	037 103 419B	G52470	12.06	6.98	36.5							Br					
AUDI DIESEL																		
A4 2.0 Tdi 16V A6 2.0 Tdi 16V Q5 2.0 TDI 16V A7 2.0 Tdi 16V	CAGA CAGB CAGC CAGR CAHA CMEA CJCA CGLB	2008 2009 2011	1968	4		IN	03L109601	3142	28.1	6	99.3	PN	45	K				
						EX	03L109611	3143	26.0	6	99.1	PN	45	K				
							IN		G52632	10.06	5.98	42						
	EX		G52632	10.06	5.98	42							Br					
AUDI DIESEL																		
A1 1.6 Tdi	CAYC	2010	1598	4		IN	03L109601A	3144	26.5	6	99.3	PN	45	K				
						EX	03L109611A	3145	24.4	6	99.1	PN	45	K				
																		
B.L.M.C.																		
Leyland TL 11	TL11	1981				IN	612817	2264	55.1	11	151.8	PN	30	A				
						EX	VEJ1005	2265	46.5	11	150.3	PN	30	A				
																		
B.L.M.C. DIESEL																		
Leyland Diesel Eng. 4/98 NV Eng 6/98 DV / NV Eng. 6/98 TV Turbo (46/55/72/85 KW)		1981	3770 5655	4 6		IN	NKJ0032	0047	43.0	8.7	148.0	PN	30	A				
						EX	86K944	0045	38.0	8.7	148.0	PN	45	A				
						IN	UAJ1007	G51908	15.12	8.81	73.2				Gh			
						EX	UAJ1009	G51909	15.12	8.81	82.6				Gh			












Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.					
BMW																				
535i. 735i. / iL Eng. M30B35ME7 Eng. M30B35ME (155/162 KW)	M30	1986 1987	3430	6		IN	11341705560	0048	46.9	8	106.5	PN	45	K						
						EX	11341250129 11341269419 11341710788	0071	37.9	8	107.2	CV	45	K						
						IN	11121263642	G51913	14.04	8	50				Br					
				EX		11121263642	G51913	14.04	8	50				Br						






BMW																					
2500 / 2500 CS 525 525 / 728 525i. / iA / 728i. 2800 / 2800 CS / 2800 L 528 528i. / 628 Csi. / 728i. 3.0 S-CS-L-Si.-Csi. 630 CD / 730 730i. / iL 530i. 633 CSI 732i. 733i. 735i. 535i. 635 CSI 735i. 745i. Turbo 735i.	M635	1968 1976 1981 1971 1972 1977 1980 1981 1982 1983 1986 1988 1993	2494 2788 2985 3210 3430 3453	6		IN	11341257592 11341273592	0070	45.9	8	106.5	PN	45	K							
						EX	11341250129 11341269419 11341710788	0071	37.9	8	107.2	CV	45	K							
								IN	11121263642	G51913	14.04	8	50							Br	
								EX	11121263642	G51913	14.04	8	50							Br	






BMW																				
320 520 320i. 520i. 323i. 325 / 325E 525 / 525E 528E / 528E USA 328 / M20 528 / B20 (90/92/95/105/110 KW)	M20 B20	1977 1977 1981 1982 1983 1984	1990 2316 2693	6		IN	1267687 11341265453 1265453 11341267721	0072	39.9	7	102.5	PN	45	K						
						EX	1271273 1280643 11341280643 1267688 11341267722	0073	33.9	7	102.5	PN	45	K						
								IN	11121280523	G51871	13.05	7	45							Br
	EX	11121280523	G51871	13.05	7	45								Br						













BMW																			
316i. 318i. 518i. (73/77/83 KW) Eng.M40B	M40	1988 1990	1596 1796	4		IN	1709955 11341727358	0080	42.0	7	102.0	PN	45	K					
						EX	11341727352 1717978	0081	36.0	7	101.0	PN	45	K					
								IN	11121715373	G52377	12.55	7	43.5						
	EX	11121715373	G52377	12.55	7	43.5								Br					







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.												
BMW																											
316i Eng. M40B16 318i Eng. M40B18ME 318i Eng. M40 318i / 518i Eng. M40B18 750i / 750iL V12 850 Eng. M70 (73/77/83/220 KW) 850 Csi	M40 M70	1986	1596	4 12		IN	11341727358	0080	42.0	7	102.0	PN	45	K													
		1987	1766				11341706941																				
		1988	1796																								
		1989	4988																								
		1990	5576																								
							EX 11341713731									0082	35.0	7	101.0	PN	45	K					
							EX 11341117579									0081	36.0	7	101.0	PN	45	K					
																			IN 11121715373	G52377	12.55	7	43.5				Br
						EX 11121715373	G52377	12.55	7	43.5				Br													
BMW																											
164325i. 325 i. C/i. X 525i. (M20 B25) Z1 Eng. M20 (125 KW)	M20	1985	2494	6		IN	11341720827	0083	42.0	7	102.5	PN	45	K													
		1988					11341708895																				
		1988																									
		1991																									
							EX 11341720828									0084	36.0	7	102.5	PN	45	K					
						IN 11121280523	G51871	13.05	7	45				Br													
						EX 11121280523	G51871	13.05	7	45				Br													
BMW																											
316i. M43 / Compact / Coupé / Z3 1.8 318i. M43 / Cabriolet 518i. Touring 750i. E39 / 24V 850 Ci. 24V 850 Csi. 24V 316 k 1.9 316 E46 1.9 316 E46 1.6 318i. E46 1.9 Z3 1.8 750i. E38 850 Ci. M73 318 Ci. (75/85/230/279 KW) Eng.M43B16	M43 M73	1993	1596	4 12		IN	11341739658	0086	41.9	7	104.0	PN	45	K													
		1994	1796				11341739658																				
		1999	1895				11341436949																				
		2000	5379																								
			5576																								
							EX 11341436950									0087	35.9	7	102.9	PN	45	K					
																			IN 11121715373	G52377	12.55	7	43.5				Br
																			EX 11121715373	G52377	12.55	7	43.5				Br
BMW																											
318i. M44 318i. M42 318 ti Compact 325 ti Compact Z3 1.9 323i. M52 325i. M50 24V 523i. E39 525i. M50 24V 328i. M52 528i. E39 323 K 323 E46 523 E39 328 E46 Z3 2.8 528 E39 728 E38 325 Ti. 325 Ci. 330 Xi. 530i E60 730i E65 Z3 3.0 Z4 2.5i Eng.M52B28-M52B52	M52B28 M52B52	1992	1895	4 6		IN	11341738218	0100	33.0	6	106.1	PN	45	K													
		1995	1995				11341739820																				
		1996	2494				11341739822																				
		1999	2793				11341438451																				
		2001																									
		2003																									
							EX 11347505731									0101	30.4	6	105.7	PN	45	K					
																			IN 11121735534	G52444	12.55	6	43.5				Br
																			EX 11121735534	G52444	12.55	6	43.5				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.										
BMW																									
535i. E39 540i. E39 840 Ci. M5 E39 X5 4.4 Eng. M62 TU Eng. M60B40	M60 M62	2001	3498 4398 4941	V8		IN	11341731640	0106	35.0	6	104.1	PN	45	K											
							11341435480																		
							11341408015																		
							11341736549																		
							EX	11341736558	0107	30.4	6	103.6	PN	45	K										
								11341433699																	
								11341408016																	
								11341741231																	
								11341435482																	
								11341433481																	
	IN	11121735534	G52444	12.55	6	43.5									Br										
	EX	11121735534													G52444	12.55	6	43.5	Br						
BMW																									
530i. 32V 730i. 32V 535i. E39 735 E39 Eng.M60B30	M60B30	1999	2997 3498	V8		IN	11341736567	0108	32.0	6	104.0	PN	45	K											
							11341731642																		
							11341433482																		
							11341433700																		
							11341435476																		
							EX									11341433701	0109	28.5	6	103.6	PN	45	K		
							11341435478																		
							11341433483																		
							11341741230																		
							11341731643																		
11341736576																									
																									
BMW																									
320 E46 Z3 2.0 520 E39 520 M54 Eng.M50B20-M52B20	M50B20 M52B20 M54	1999	1991	6		IN	11341738220	0114	29.9	6	107.0	PN	45	K											
							11341438449																		
							EX									11347502351	0115	26.9	6	106.1	PN	45	K		
							11341738221																		
							IN	11121735534	G52444	12.55	6	43.5													
							EX	11121735534																	
							BMW																		
							Mini Eng. Peugeot EP6DT-EP6DTS	EP6DT EP6DTS N14B16A N14B16C N18B16A	2010	1587	4		IN	11347587470	2250	28.8	5	105.7	CV	45	K				
														11347534508											
														EX									11347547187	2251	26.0
																									
BMW																									
114 i 116 i 118 i Eng.N13B16F20	N13B16 F20	2011	1598	4		IN								11347585901	2255	29.7	5	95.1	CV	45	K				
							EX	11347547187	2251	26.0	5	110.3	CV	45									K		
																									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
BMW																			
523 i 525i Eng. M52-Eng. M52N 523 Eng. N52B25A Eng. F10-F11	M52 F10 F11	2006 2010	2497 2996	6		IN	11347539919	3402	32.1	5	104.5	CV	45	K					
						EX	11347553774	3403	27.0	6	110.4	CV	45	K					
BMW																			
Mini One 1.4 i 16V Mini Cooper 1.4 i 16V	N12B14A N12B16A N16B16A	2007	1397 1596	4		IN	11347533884	3404	30.0	5	97.0	CV	45	K					
						EX	11347533885	3405	25.1	5	110.8	CV	45	K					
BMW																			
545 E60 745 E65 760 E65 116i Eng. N62B44A Eng. N45B16A	N62B44A N45B16A	2003 2004	1596 4398 5972	4 V8 V12		IN	11347503737 11341435461	3406	34.9	6	100.0	CV	45	K					
						EX	11347592839 11341707519 11347503738	5167	28.9	6	100.1	CV	45	K					
BMW																			
Mini One 90cv Mini Cooper 115cv Eng. W10B14A-W10B16	R50 W10B14A W10B16 W11B16	2001	1600	4		IN	11341485585 11347829955 11347513019 11347513023	3407	30.3	6	109.0	CV	45	K					
						EX	11347829943 11347829944 11347513020 11347513024	3408	23.3	6	117.8	PN	45	A					
BMW																			
130 i 330 i 530 i 630 i 730 i Z4 3.0 Si X3 3.0 Si X5 3.0 Si 528 i Eng. F10-F11 N52B30A-M54B25- M54B30	F10 F11 N52B30 M54B25 M54B30	2006 2010	1997 2996	4 6		IN	11347553771 11347539915	3409	34.2	5	104.5	CV	45	K					
						EX	11347553772	3410	29.0	6	110.6	CV	45	K					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
BMW																
135 i 335 i 535 i Eng. N54B30A	N54B30A	2007	2979	6		IN	11347553775	3411	31.4	5	106.6	CV	45	K		
						EX	11347553776 11347573840	3412	28.0	6	114.6	CV	45	K		
BMW																
523 528 Eng.F10-F11 N53B30A	F10 F11 N53B30A	2010	1997	4		IN	11347552952	3413	32.0	5	106.7	CV	45	K		
						EX	11347552953	3414	29.0	6	114.6	CV	45	K		
BMW																
X1 16i X1 18i X1 28i X3 20i X3 28i X4 20i X4 28i X5 28i X5 35i X5 40i X6 28i X6 35i Z4 18i Z4 20i Z4 28i 125 i 2.0 16V 320 i 2.0 16V 358 ix 2.0 16V 520 i 2.0 16V 528 ix 2.0 16V	N20 B20 N55	2010 2011 2012 2015	1997 2979	4 6		IN	11347583777 11347583779	3420	32.0	5	104.9	CV	45	K		
						EX	11347598273	3422	27.9	6	112.8	CV	45	K		
BMW																
316i. Eng. M42B16 318i. / 318i.S 16V Eng. M42B18 325i. 24V / Coupé 525i. 24V / 525i.X Touring 24V Eng. M50B25 (73/83/103/125/141 KW)	M50 M42	1989 1990 1991 1992	1196 1796 2494	4		IN	11341722908	5157	32.9	7	106.7	PN	45	K		
						EX	11341722909	5158	30.4	7	106.3	PN	45	K		
						IN		G52491	12.05	6	43.4				Br	
						EX		G52491	12.05	6	43.4				Br	
BMW																
320i. 320i. 24V / Coupé 520i. 24V Touring 24V (110 KW) Eng.M50B20	M50B20	1987 1990 1991 1992	1991	6		IN	11341722910	5159	29.9	7	107.7	PN	45	K		
						EX	11341722911	5160	26.9	7	106.8	PN	45	K		
						IN		G52491	12.05	6	43.4				Br	
						EX		G52491	12.05	6	43.4				Br	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
BMW																	
120 320 520 Eng. N43	N43	2010	1996	4		IN	11347548280	5165	31.4	6	106.7	CV	45	K			
							EX	11347573840	3412	28.0	6	114.6	CV	45	K		
																	
BMW																	
316 Ti. 318Ti Eng. N 42 118 i Eng.N 46 120 i Eng.N 46 320 i E90 X1 1.8 Eng.E84	N42 N46 E84	2001 2004 2010	1796 1995	4		IN	11341440304	5166	32.0	6	100.0	CV	45	K			
							EX	11341707519 11347529839	5167	28.9	6	100.1	CV	45	K		
																	
BMW																	
M3 E36 3.2 Z3 M 3.2		1996	3201	6		IN	11341404588	5206	35.0	6	119.8	CV	45	K			
							EX	11341404589	5207	30.5	6	121.3	CV	45	K		
																	
BMW DIESEL																	
Eng. M21 D24 Turbo 324 / 524 D/TD Eng. M21 D24WA Turbo 524 TD (63/85 KW)	M21	1983 1986	2446	6		IN	11342242621 11341279141 11342242624	0062	35.0	7	114.3	PN	45	K			
							EX	11341275965 11342242622 11342242623	0063	31.0	7	114.0	PN	45	K		
						IN	11121280523	G51871	13.05	7	45			Br			
						EX		G52271	13.05	7	52			Br			
BMW DIESEL																	
318 TDS Eng. M51D25 325 TD Eng. M51D25 525 TDS (85/105 KW)	M51	1990 1991	1665 2498	4 6		IN	11342243328	0064	35.9	7	103.7	PN	45	K			
							EX	11342244282	0065	30.9	7	103.5	PN	45	K		
						IN	11121280523	G51871	13.05	7	45			Br			
						EX		G52271	13.05	7	52			Br			
BMW DIESEL																	
325 TDS M34 525 TDS M51 725 TDS M51 525 TDS E39 318 TDS K 318 TDS E36 Eng. M41D-M51D	M34 M51	1996 1999	2497	6		IN	11342244858 11342244814 11342246524	0098	35.9	6	103.7	PN	45	K			
							EX	11342246525 11342244815 11342244851	0099	30.9	6	103.6	PN	45	K		
						IN		G52534	12.55	6	39.5			Br			
						EX		G52534	12.55	6	39.5			Br			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.					
BMW DIESEL																			
320 D E46 320 CD E46	M47 M57 M67	1999 2002	1951 2926 3901	4 6 V8		IN	11342247077	0677	25.9	6	99.9	PN	45	K					
						EX	11342247077	0677	25.9	6	99.9	PN	45	K					
ENG. M47TU 330 D E46 330 CD ENG. M57TU 530 D E39 530 D E60 540 D E39 730 D E38 740 D E40 730 D E65 ENG. M57TU 740 D E65 ENG.M67 318TD COMPACT 320TD COMPACT ENG.M47 TU X5 3.0D ENG. M57 118 D 120 D 535 D 320 D E90 X3 2.0 D 325 D																			
						BMW DIESEL													
Mini one Diesel Eng. Fiat - Peugeot R55-R56	R55 R56	2006	1560	4		IN	11347805968	0898	25.6	5.5	96.4	CV	45	K					
						EX	11347805969	0899	23.4	5.5	96.6	PN	45	K					
						IN		G52836	9.55	5.51	34			Gh					
				EX			G52836	9.55	5.51	34				Gh					
BMW DIESEL																			
Mini one Diesel Eng. Toyota	W17B16	2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A					
						EX	11347791055	3416	28.0	6	100.0	CV	45	A					
						IN		G552701	11.09	6.01	40.6			MS					
				EX			G552701	11.09	6.01	40.6				MS					









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
BMW DIESEL															
116 D	F11	2004	1496	3		IN	11127797711	3417	27.2	5	94.0	PN	45	K	
118 D	F84	2007	1995	4											
120 D	F25	2011	2993	6											
120 D xDrive	N57D30A	2013													
123 D	N47D20C	2014				EX	11347797712	3418	24.6	5	94.0	PN	45	K	
X1 2.0 D	B37C15A	2015					11348511622								
X1 2.3 D	B37C20A														
X3 2.0 D	B47C20A														
Active Tourer 214 D	B47D20A														
Active Tourer 216 D	N47D20A														
Active Tourer 218 D	N47D20D														
Active Tourer 218 D xDrive	N57D30A														
Active Toure 220 D															
Gran Tourer 214 D															
Gran Tourer 216 D															
Gran Tourer 218 D															
Gran Tourer 220 D															
316 D															
318 D															
320 D															
Gran Turismo 320 D															
Gran Turismo 330 D															
520 D															
525 D															
530 D															
535 D															
Eng.F11-F84-F25															






BMW DIESEL															
X3 3.0 SD	N57N306	2006	2993	6		IN	11347799612	3419	27.5	6	99.8	PN	45	K	
X5 3.0 D		2007													
335 D															
535 D															
Eng.N57N306						EX	11342247077	0677	25.9	6	99.9	PN	45	K	













BMW DIESEL															
316 D 1.6 16V	N47	2011	1598	4		IN	11347812618	9400	24.8	5	94.0	PN	45	K	
318 D 1.6 16V	N47C16A														
Eng.N47															
MINI ONE D 1.6 16V															
Eng.N47C16A						EX	11347812616	9401	21.2	5	94.0	PN	45	K	











BREDAMENARINIBUS															
Serie M321	D 2865 LOH 07		9973	4		IN	51041010375 51041010478	1625	58.0	12	142.5	PN	30	A	
						EX	51041010479 51041010447	1626	51.0	12	142.5	PN	45	A	
						IN	51032010088	G52049	18.03	12.03	64				Gh
						EX	51032010088	G52049	18.03	12.03	64				Gh















BREDAMENARINIBUS															
Serie M230	D 0824 LOH 05	1994	4580	4		IN	51041010425	1630	49.0	10	136.6	PN	30	A	
						EX	51041010410	1631	42.0	10	136.3	PN	45	A	
						IN	51032011052	G52162	16.03	10	65				Gh
						EX	51032011053	G52163	16.03	10	55				Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
BREDAMENARINIBUS															
Avancity + S Lander 12.2	D 2066 LUH 43 D 2066 LUH 47	2008	10518	4		IN	51041010574	1798	40.0	9	160.4	PN	30	K	
						EX	51041010546	1799	38.0	9	160.4	PN	45	K	
BREDAMENARINIBUS															
Avancity + S CNG	E 2876 LUH 02	2013	12816	4		IN	51041010438	2347	58.0	12	142.5	PN	30	A	
						EX	51041010439	2348	51.0	12	142.5	PN	30	A	
BREDAMENARINIBUS															
Avancity + L CNG Avancity + N CNG Vivacity + C CNG Zeus M240EL Zeus M240LI Zeus M340	M906.900 M906.903 M906.901 M906.911 M906.910 M904.928	2008	4249 6374 6884	4		IN	9060500326	2736	34.0	8	128.7	PN	20	A	
						EX	9060500327	2777	37.9	8	152.5	PN	45	A	
BREDAMENARINIBUS															
Avancity + L Avancity + N Vivacity + C Vivacity + M	TCD 2013 L06 4V TCD 2013 L4 4V	2008	4764	4		IN	20833932 20980413	5226	38.2	8	145.7	PN	30	K	
		2010	7146			EX	20833936 20997871	5227	35.8	8	145.8	PN	45	K	
BUICK															
Enclave 3.6 Enclave 3.6 AWD	LY7	2008	3564	6		IN	12575351	2465	37.0	6	101.3	CV	45	A	
						EX	12575354	2464	30.6	6	97.0	CV	45	A	
CADILLAC															
BLS 2.0 T Eng.B207LR	B207LR	2006	1998	4		IN	55192156 12786696	2192	35.1	6	102.2	CV	45	K	
						EX	12791961	2193	30.1	6	100.9	CV	45	K	










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
CADILLAC																
CTS 2.8 V6 STS 2.8 V6	LP1	2006	2792	V6		IN	12575352 641079	2463	35.2	6	101.4	CV	45	A		
						EX	12575354	2464	30.6	6	97.0	CV	45	A		
CADILLAC																
SRX 3.6 V6	LY7	2006	3564	V6		IN	12575351	2465	37.0	6	101.3	CV	45	A		
						EX	12575354	2464	30.6	6	97.0	CV	45	A		
CADILLAC																
CTS STS ESCALADE		2009	2935	V6		IN	12590771 12617533	3710	55.0	8	123.9	CV	45	A		
						EX	12582719 12612427	3711	40.4	8	124.7	CV	45	A		
CADILLAC DIESEL																
BLS 1.9 D 16V	Z19DTH	2006	1910	4		IN	93185523	1398	27.8	6	114.4	PN	45	K		
							93178588	1399	25.8	6	114.4	PN	45	K		
						IN	55186786	G5S2809	11.06	6.02	47				MS	
						EX		G5S2808	11.03	6.02	47				MS	
CATERPILLAR																
Eng. 3116-3126 TB-FW						IN	7W8064 611589 1614280	1004	46.9	8	177.1	PN	30	A		
						EX	1051779 7W2699 6115590 1360819	1005	40.0	8	176.8	PN	45	A		
						IN	9Y8848	G52885	13.03	8.07	75				Gh	
						EX	9Y8848	G52885	13.03	8.07	75				Gh	
CATERPILLAR																
Eng. 3306 3406 Serial No. 92U1 3408 Serial No. 28V1 3412 Serial No. 60M1-38S1 (206/265 KW) GAS			14600 18000	6 8		IN	4N5654 1152368 1W3859 2W2622	1066	45.0	9.5	181.4	PN	30	H		
						IN	5374 GAS	4038	45.0	9.5	181.4	PN	30	H		
						EX	2W2443 GAS	4039	41.8	9.5	181.4	PN	30	H		
						EX	1061111 4N5653 1W3860 1152367	1067	41.8	9.5	181.4	PN	45	H		
						IN	4N2803	G51756	17.51	9.51	82.5				Gh	
						EX	4N2803	G51756	17.51	9.51	82.5				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CATERPILLAR																
D7 / 17 A1		1958		4		IN	8H1993	1070	59.5	12.5	236.0	PN	45	F		
D8 / 13 A - 14A		1976		6												
D8 / 35 A1				8												
D 364				12												
D 375						EX	8H1994	1071	58.0	12.5	236.0	PN	45	F		
D 386																
D 397																
D 342																
						IN	7N2051	G51757	23.85	12.73	132.4				Gh	
						EX	7N2051	G51757	23.85	12.73	132.4				Gh	
CATERPILLAR																
D 4		1949		4		IN	6H3026	1072	51.5	11	198.0	PN	45	F		
D 315		1976		6				4F213								
D 6																
D 318						EX	4F212	1073	47.0	11	198.0	PN	45	F		
																
CATERPILLAR																
D 4		1959		4		IN	7M7358	1074	48.0	9.5	166.5	PN	30	H		
D 330		1976		6												
D 333																
						EX	7M7359 9M4163	1075	45.0	9.5	166.5	PN	30	H		
						IN	5M8023	G50545	16.7	9.57	82				Gh	
						EX	5M8023	G50545	16.7	9.57	82				Gh	
CATERPILLAR																
D 9 / 18 A1				6		IN	7M7817	1076	63.5	12.5	238.5	PN	30	F		
19 A 1				8												
34 A 1				12												
D 353						EX	8H7097 8N3723	1077	60.0	12.5	238.5	PN	30	F		
G 353																
D379																
D 398																
						IN	7N2051	G51757	23.85	12.73	132.4				Gh	
						EX	7N2051	G51757	23.85	12.73	132.4				Gh	
CATERPILLAR																
988						IN	2M6402	1078	45.0	9.5	152.0	PN	45	H		
922								1P0407								
Eng. D 343								1N4885								
Eng. D 346						EX	1P1081	1079	41.7	9.5	152.0	PN	45	H		
Eng. D 348							7S9345									
Eng. D 349							1P2629									
							7N9541									
							2M6403									
							7E7830									
							8N3725									
						IN	6N2236	G51264	17.5	9.53	71.5				Gh	
						EX	6N2236	G51264	17.5	9.53	71.5				Gh	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.	
CATERPILLAR															
Eng. 1160 Truck Serial No. 95B1 Eng. 1150 Serial No. 96B1 Eng. 1145 Serial No. 97B1 Eng. 1140 Serial No. 36R1 Eng. 3.208-3204 Serial No. 32Y1 - 32Y99999 3 51Z1 - 40S1 (115/135 KW)			10400	8		IN	9L7682	1080	53.0	9.5	144.5	PN	30	H	
						EX	612979	4130	43.0	8.7	146.0	PN	45	A	
						EX	10618851	1517	43.0	8.7	146.0	PN	30	A	
						EX	9N5125 1196772 9L7683	1081	46.0	9.5	144.5	PN	45	H	
							IN	2P1262	G51239	16.71	9.51	71			Gh
					EX		2P1262	G51239	16.71	9.51	71				Gh
CATERPILLAR															
Eng. 1673 C Serial No. 69D1 - 76R1 - 76R370 Eng. 3306 Serial No. 76R273 977 - 11K - 76j Turbo Engines Eng.D330-D333 Eng.D330C-D333C (206/265 KW)			10500 14600	6		IN	5S6452 7S8809 2W2621 9N6117	1082	51.5	9.5	140.0	PN	30	H	
						EX	5S6449 5S7232 7S6767 8N0875	1083	48.2	9.5	139.0	PN	30	H	
							IN	2P1262	G51239	16.71	9.51	71			Gh
					EX		2P1262	G51239	16.71	9.51	71				Gh
CATERPILLAR															
D3 Eng. 3240						IN	9N0180	1084	48.0	9.5	150.0	CV	30	H	
						EX	9N0185	1085	45.8	9.4	149.7	CV	45	H	
															
CATERPILLAR															
120 G - 130 G - 518 - 950 - 955 L - D4D - SA - 920 - 930 - 941 B - 951 C - D6C - SA - D7 G - 14 G - 235 - 528 - 571 G - 572 G - 627 B - 637 - 814 - 815 - 816 - 996 C - 9771 - D5 - SA - 12 G - 531 C - 980 B - 16 G - 245 - 621 B - 623 B Eng.3304T-3306T-3406						IN	6N9915 7N0572 2W2620	1086	51.5	9.5	136.5	PN	30	H	
						EX	7N0573 6N9916 1007861 1487455	1087	48.0	9.5	135.0	PN	30	H	
							IN	2P1262	G51239	16.71	9.51	71			Gh
					EX		2P1262	G51239	16.71	9.51	71				Gh
CATERPILLAR															
ENG. C6	C6					IN	2941684	4030	34.5	6.6	144.1	PN	30	A	
						EX	2941685	4031	27.5	6.6	144.0	PN	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
CATERPILLAR															
ENG. C4	C4		4400			IN	3096688	4032	35.0	6	108.2	PN	30	K	
						EX	3399637	4033	33.0	6	107.9	PN	45	K	
															
CATERPILLAR															
D 8 K			14600	6		IN	1220322 1642543	4041	45.0	9.5	184.2	PN	30	H	
						EX	1220321	4040	41.8	9.5	184.2	PN	45	H	
						EX	1642542	4036	41.8	9.5	184.5	PN	45	HP	
															
CATERPILLAR															
Eng.3500 Gas						IN	1047184 2102542 3074641 3089177 5008528 5008527	4043	56.0	9.5	219.0	PN	20	H	
						EX	2102529	4042	56.0	9.5	219.0	CV	45	H	
						EX	1944897 4432712	4044	56.0	12.6	219.0	PN	45	B	
															
CATERPILLAR															
Eng.3408 Gas				8		IN	2120932	4047	45.0	9.5	193.7	PN	20	H	
						EX	2120933	4048	41.8	9.5	193.7	PN	20	HP	
															
CATERPILLAR															
Eng. C11 C13	C11 C13		12500	6		IN	2527802 2243028	4050	44.5	9.5	188.3	PN	30	H	
						EX	2481467 2243030	4051	41.6	9.5	187.3	PN	45	HP	
															
CATERPILLAR															
Eng.C2.2	C22		2200	4		IN	3081860	4053	37.0	7	99.5	PN	45	A	
						EX	3081861 3441624	4052	33.0	7	99.6	PN	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
CATERPILLAR														
ENG. C9	C9	2008	8800	6		IN	2418382 2527803	4054	39.0	8	184.5	PN	30	A
						EX	18383	4125	36.0	9.5	184.6	PN	45	HP
														
CATERPILLAR														
D 8 K				6 8		IN	1W1818	4100	59.6	9.3	236.0	PN	45	H
						EX	1W1819	4101	58.0	9.3	236.0	PN	45	H
														
CATERPILLAR														
D 379 B D 398 B D 399 K						IN	1W8606	4102	63.5	9.3	238.5	PN	30	H
						IN								
						EX	1W1822 2W3211	4103	60.0	9.3	238.6	PN	30	H
														
CATERPILLAR														
Eng. 3126			7200	6		IN	1457390 2527801	4104	39.9	8	183.1	PN	30	A
						EX	1478211 1557130	4105	43.0	9.4	199.1	PN	45	H
														
CATERPILLAR														
Eng. 3406 C15 C27	C15 C16 C27		15200	6		IN	1537023 2365605	4106	47.1	9.5	201.9	PN	30	H
						EX	1537024	4107	41.8	9.5	201.9	PN	45	H
														
CATERPILLAR														
Eng. 3046E						IN	1528380	4108	47.0	9.5	202.0	PN	30	A
						EX	1527585	4109	41.8	9.5	202.0	PN	45	A
														













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CATERPILLAR																
Eng.3400						IN	1227353	4110	45.0	9.5	181.5	PN	20	H		
						EX	1018314	4111	41.8	9.5	181.5	PN	20	H		
CATERPILLAR																
3304 G 3306 G						IN	7W7490	4112	51.3	9.5	163.6	PN	30	H		
						EX	7W7491	4113	48.1	9.5	162.5	PN	30	H		
CATERPILLAR																
Eng.C9	C9		8800	6		IN	1632442 1874123	4114	36.0	9.4	184.4	PN	25	H		
						EX	1883122	4115	36.0	9.4	183.0	PN	45	H		
CATERPILLAR																
Eng.3044 Eng.S4S						IN	2335469	4116	44.0	8	120.1	PN	30	B		
						EX	35470	4117	35.0	8	120.0	PN	30	B		
CATERPILLAR																
Eng. 3508 Eng. 3512 Eng. 3516						IN	7E4609 1219839	4118	56.0	9.5	219.0	CV	30	H		
						EX	7E4609 1219839	4118	56.0	9.5	219.0	CV	30	H		
						IN	2P1262	G51239	16.71	9.51	71			Gh		
						EX	2P1262	G51239	16.71	9.51	71			Gh		
CATERPILLAR																
Eng D320						IN	9H4811 9H1087	4119	43.1	9.4	150.1	PN	30	H		
						EX	2M7727	4120	39.9	9.4	150.1	PN	30	H		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
CATERPILLAR																			
Eng.3116						IN	1632431	4121	46.9	8	177.1	PN	30	A					
							EX	1632432 1577126	4122	40.0	8	176.8	PN	45	A				
CATERPILLAR																			
Eng.3066						IN	517738	4123	44.0	8	134.0	PN	30	B					
							IN	28477	4049	46.0	8	134.1	PN	30	B				
							EX	517739	4124	37.0	8	133.9	PN	30	B				
CATERPILLAR																			
Series 3000 Eng.3034			2602 2956	4		IN	1888640	5441	44.0	7	106.4	PN	45	K					
							EX	1529857	5442	37.2	7	106.5	PN	45	K				
CATERPILLAR																			
ENG. PERKINS 1104 1106	1104 1106	2007		4 6		IN	2255495	6515	46.4	9	129.1	PN	30	A					
							EX	55499	6516	41.6	9	129.2	PN	30	A				
CATERPILLAR																			
C10-C12-C15 Eng. 3176	C10 C12 C15		15200	6		IN	7E9578 7C5215 1242692 1929213 1570672	15158	44.9	9.4	174.0	PN	30	H					
							EX	1337029 7C1586 1570671	15159	41.9	9.4	174.0	PN	45	H				
CHRYSLER																			
PT Cruiser 1.6 i 16V Neon 1.6 i 16V Eng.R50 (Tritec)	R50	2003	1598	4		IN	04777770AB 11341485585	3407	30.3	6	109.0	CV	45	K					
							EX	04777772AC 04777772AB 11347829943	3408	23.3	6	117.8	PN	45	A				






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
CHRYSLER															
300 C 3.5 V6		2006	3518	V6		IN	4663836AA	4195	36.5	7	114.7	PN	45	K	
						EX	4892094AA	4196	29.0	7	126.5	PN	45	K	
															
CHRYSLER															
Vision 3.5 V6			3518	V6		IN	04663345	4197	35.0	7	114.7	CV	45	K	
						EX	04663347	4203	29.0	7	126.0	PN	45	K	
						EX	4663902	4209	27.8	6	106.2	PN	45	K	
															
CHRYSLER															
Voyager 3.3 V6 Voyager 3.8 V6			3301 3778	6		IN	04448052	4198	45.5	8	125.3	CV	45	H	
						EX	04621116	4199	37.5	8	126.3	CV	45	Z	
															
CHRYSLER															
Stratus 2.5 24V			2497	6		IN	MD301193	4200	33.0	6	112.5	CV	45	A	
						EX	MD306183	4201	29.0	6	114.0	CV	45	A	
												G52789	11.11	6	45.5
								G52850	11.11	6	50.5			Gh	
CHRYSLER															
300 3.5 V6 (187 KW)			3518	V6		IN	04663836	4202	36.5	7	114.7	PN	45	K	
						EX	04663347	4203	29.0	7	126.0	PN	45	K	
															
CHRYSLER															
Neon 2.0 16V Stratus 2.0 16V			1996	4		IN	04648615	4204	33.2	6	114.9	CV	45	A	
						EX	04648613	4205	28.7	6	117.2	CV	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
CHRYSLER																
PT Cruiser 2.0 16V PT Cruiser 2.4 16V Neon 2.0 16V Voyager 2.4 16V Sebring 2.0 16V Sebring 2.4 16V Stratus 2.4 16V ENG.ECC-EDZ-EDV	ECC	2000	1996	4		IN	04667969AB	4206	34.8	6	111.6	CV	45	K		
	ECZ	2003	2429			EX	04884691AA									
	EDV	2006														
						IN	4667411	G5S2904	11.08	6	44				MS	
						EX	4667411	G5S2904	11.08	6	44				MS	
CHRYSLER																
300 M 2.7			2736	V6		IN	04663899	4208	33.9	6	108.2	CV	45	K		
						EX	04663347	4203	29.0	7	126.0	PN	45	K		
CHRYSLER																
Sebring 2.7 V6 24V		2003	2736	V6		IN	04663899	4208	33.9	6	108.2	CV	45	K		
						EX	04663902	4209	27.8	6	106.2	PN	45	K		
CHRYSLER																
Gran Voyager 3.3 AWD		2003	3301	V6		IN	04781025AA	4210	48.0	7	126.3	CV	45	Z		
						EX	04781029AB	4211	35.5	7	127.6	CV	45	Z		
CHRYSLER																
Dodge Dakota Ram Changer Eng. 238 CE (from 1989 to 1997)	238CE	1989 1997	3900	V6		IN	53006723	4250	48.8	7.9	124.5	CV	45	A		
						EX	53006724	2643	41.3	7.9	124.4	CV	45	A		
CHRYSLER DIESEL																
PT Cruiser 2.2 CRD 16V Eng.OM664 (Mercedes)	OM664	2003	2148	4		IN	05073735AA	2792	30.1	7	104.0	PN	45	A		
						EX	05073738AA 05073737AA	2793	28.4	7	104.4	PN	45	A		
							IN	05080044AB	G5S2681	12.56	7	37.5				MS
							EX	05080044AB	G5S2681	12.56	7	37.5				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
CHRYSLER DIESEL																
Sebring 2.0 CRD 16V	ECD	2008	1968	4		IN	68001582AA	3120	29.1	6	87.8	PN	45	K		
							EX	68001583AA	3121	25.4	6	87.5	PN	45	K	
																
CHRYSLER DIESEL																
Voyager 2.5 CRD Gran Voyager 2.5 CRD Voyager 2.8 CRD Gran Voyager 2.8 CRD Eng.HR425-HR428 Eng.RA425-RA428	HR425 HR428 RA425 RA428	2003 2006	2499 2776	4		IN	05066770AA	4216	32.4	6	109.0	PN	45	K		
							EX	05066769AA	4217	30.9	6	108.3	PN	45	K	
								IN	5066773AA	G552902	11.03	6.01	44.5			MS
						EX	5066773AA	G552902	11.03	6.01	44.5			MS		
CHRYSLER DIESEL																
300 C CRD 24V V6 Eng. Mercedes		2006	2987	V6		IN	05175396AA	4218	28.5	6	102.3	PN	45	K		
							EX	05175397AA	4219	25.4	6	102.3	PN	45	K	
										G552816	11.56	6	34.4		MS	
								G552816	11.56	6	34.4		MS			
CHRYSLER DIESEL																
Chrysler 2.8 CRD Eng.ENS	ENS	2007	2777	4		IN	68027469AA	4220	31.8	6	107.6	PN	45	K		
							EX	68027470AA	4221	29.2	6	107.8	PN	45	K	
								IN	5066773AA	G552902	11.03	6.01	44.5		MS	
						EX	5066773AA	G552902	11.03	6.01	44.5		MS			
CHRYSLER U.S.A.																
Delta 2.0 Mjt	198A5000	2011	1956	4		IN	55195535 46802049	1398	27.8	6	114.4	PN	45	K		
							EX	55202557	1399	25.8	6	114.4	PN	45	K	
								IN	55186786	G552809	11.06	6.02	47		MS	
						EX	55186786	G552808	11.03	6.02	47		MS			
CHRYSLER U.S.A.																
Chrysler 200 Chrysler 300 Dodge Challenger Dodge Charger Dodge Durando Dodge Journey RAM 1500		2014 2015	3600	V6		IN	05184127AC	2644	39	6	116.4	PN	45	K		
							EX	05184128AE	2645	30	6	115.7	PN	45	K	
																















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
CHRYSLER U.S.A.																
Grand Voyager Dodge RAM Dodge Durango Eng.HG-HB-LE-LX	HG HB LE LX	2008	5700	8		IN	53021550AA	4212	50.8	8	125.2	CV	45	K		
							EX	53021551AA 53021551AB	4213	39.4	8	123.1	CV	45	K	
																
CHRYSLER U.S.A.																
Sebring 2.0 16V Sebring 2.4 16V Caliber 1.8 16V	ED3 ECN EBA	2007 2011	1800 2000 2360	4		IN	KK05047068AA KK05047068AB	4224	35.0	5.5	113.2	CV	45	A		
							EX	KK05047069AA KK05047069AB	4225	29.0	5.5	105.8	CV	45	A	
																
CHRYSLER U.S.A.																
Chrysler 2.2			2200	4		IN	4105579	4226	40.5	8	112.2	CV	45	L		
							EX	5214866	4227	35.3	8	112.9	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler 2.2 New Model			2200	4		IN	4298131	4228	40.5	8	114.4	CV	45	L		
							EX	4298142	4229	35.3	8	114.9	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler 3.3 Chrysler 3.8			3300 3800	6		IN	4448052	4230	45.5	8	125.8	CV	45	H		
							EX	4621115	4231	37.4	8	126.3	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler Eagle Premier			3000	6		IN	T1464556	5229	45.3	8	112.3	CV	45	A		
							EX	464557	1273	39.0	8	111.7	PN	45	A	
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
CHRYSLER U.S.A.																		
Chrysler Mitsubishi Eng.				4		IN	MD075925	6118	38.0	8	103.5	CV	45	A				
							EX	MD075927	6119	31.0	8	100.0	PN	45	A			
CHRYSLER U.S.A.																		
Chrysler 2.6			2600	4		IN	MD024518	6127	46.0	8	110.3	CV	45	B				
							IN	083848	6125	46.0	8	108.3	CV	45	A			
							EX	MD024519	6128	38.0	8	108.0	CV	45	B			
							EX	MD083851	6126	38.0	8	105.5	CV	45	A			
CITROEN																		
Diane 6 Mehari 4x2 / 4x4 / Azur Eng. AYB Ami 6-8 Eng. 28 2 CV 6 Special / Club Acadiane Eng. 602 LN Eng. R06 / 627 (19/24 KW)	602 627 AYB	1968 1968 1979 1976	602	2		IN	AM1247E	0122	40.0	8	88.5	CV	30	K				
							5457475											
							95536026											
							EX	95536027	0123	34.0	8.5	87.1	CV	45	K			
							AM1248D											
5457476																		
CITROEN																		
C 25 1.8 Eng. XM7T C 25 2.0 Eng. XN1T (57 KW)	XM7T XN1T	1981	1796 1971	4		IN	91510548	0618	42.6	8	118.6	CV	30	A				
							EX	91520847	0611	35.5	8	112.0	PN	45	A			
						IN		G52328	14.29	8	55			Gh				
					EX		G52328	14.29	8	55				Gh				
CITROEN																		
LNA 4CV Visa Super E / L LNA 1.0-1.1 RE / RS 4-6-CV Visa 11 RE Samba LS / GL Eng. 109 - 129 - 5 BX 11 - C 15E Eng. A-XY 6C BX 14 E / TRE Visa Super X Visa GT / Chrono XT Visa 14 TRS - C 15 E Eng. 150 D / XY BX 1.4 E / RE BX - Samba S BX 14 Eng. XY (37-59)	109 129 150	1978 1982 1983 1984 1986 1987	954 1124 1361	4		IN	95563504	0624	36.8	8	113.4	CV	30	A				
							094838											
							95551307											
							7910025378											
							7910025377											
							EX	7910030808	0625	29.3	8	113.6	CV	45	A			
							95551308											
							094942											
							7910025382											
						IN	220510	G51956	13.07	8.01	47.5			Gh				
					EX	220510	G51956	13.07	8.01	47.5				Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
CITROEN															
CX Athena / Break / Familiare / Pollas / Reflex CX 20 RE / TRE / GT Eng. 829 - A5 CX 22 RS / TRS Eng. J6TA500 (78/85 KW)	J6TA500	1979 1985	1995 2165	4		IN	95536524	0635	43.9	8	112.0	PN	30	A	
						EX	95536523	0659	38.6	8	111.4	PN	45	A	
						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh
CITROEN															
AX 10 E / RE / TRE Eng. TU9 Saxo 1.0 (33 KW)		1986 1999	954	4		IN	97531079 97531079	0818	34.7	7	112.8	PN	30	A	
						EX	97531046 094958	0819	27.7	7	112.6	PN	45	A	
						IN	0220-59	G52314	13.06	7	47.5				Gh
						EX	0220-59	G52314	13.06	7	47.5				Gh
CITROEN															
BX 1.6 / RS / TRS / S / RE / TRI Eng. XU51C Visa GTI Eng. 180A (XU5J) (44/77 KW)	XU51C	1984	1580	4		IN	91537492 91512944 094847 91512096	0828	40.0	8	109.0	PN	45	A	
						EX	91513446 91537493 91508631 094952	0817	32.0	8	108.7	PN	45	A	
						IN	0220-64	G52298	13.07	8.01	38.7				Br
						EX	0220-72	G52301	13.07	8.01	45				Br
CITROEN															
BX 19 GT / TRI Eng. 159A (XU9S) (77 KW)	XU9S	1984	1905	4		IN	91518971	0830	39.5	8	105.2	PN	45	A	
						EX	91518972	0831	33.0	8	105.2	PN	45	A	
						IN	0220-64	G52298	13.07	8.01	38.7				Br
						EX	0220-72	G52301	13.07	8.01	45				Br
CITROEN															
XM 2.0 1 XM Ambiance / Harmonie Eng. XU102C / J2 / J2Z Xantia SX / VSX XM 2.0 Automatica XM 2.0 Turbo Xantia 2.0 Turbo Evasion 2.0 Evasion 2.0 CT	XU10J2TE XU10J2Z XU102C RFU	1989 1990	1989 1998	4		IN	9606070180 96059361 094866	0840	42.6	8	108.8	PN	45	K	
						EX	9614703280 094972 96059362 9606070480 094976	0841	34.5	8	108.4	PN	45	K	
						IN	0220-85	G52419	13.07	8.01	43.6				Br
						EX	0221-21	G52422	13.07	8.01	50.6				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
CITROEN																					
AX 1.1 TRE / RE Eng. TU1 Berlingo 1.1 C15 1.1-1.4 Eng. TU1M Saxo 1.0-1.1-1.4 AX Sport AX 1.4 TZS / TRS TZX Allure AX GT Eng. TU 3 / S AX XT ZX Reflex ZX Advantage / Aura Eng. TU 3 MZ / 2K AX 1.4 TGS / 4x4 / Turbo ZX Tilt 1.1-1.4i. ZX Break - Ti Nemo 1.4	TU1M TU3 TU3FZ KfV	1986 1987 1991 1993 1999 2004 2011	1124 1294 1360	4		IN	094891	0849	36.7	7	112.8	CV	45	A							
							IN	97531080 094858	0838	36.7	7	112.8	PN	30	A						
							EX	97531044 094959	0839	29.2	7	112.6	PN	45	K						
								IN	0220-59	G52314	13.06	7	47.5							Gh	
								EX	0220-59	G52314	13.06	7	47.5							Gh	
CITROEN																					
Eng. KfV Berlingo 1.4 AX 1.4 XSI-GTI / Allure Eng. TU3F - J2K Saxo 1.6 Xsara 1.6 Xsara 1.6 Picasso (69 KW)	TU3FJ2K TU5JPKfV	1991 1999	1361 1587	4		IN	96096851 094873 96101886	0850	39.4	7	111.7	CV	30	K							
							IN	094893	0872	39.4	7	111.7	CV	45	K						
							EX	96096852 96101887 094970	0851	31.3	7	111.5	PN	45	K						
								IN	0220-84	G52441	13.07	7	48.5							Br	
								EX	0220-84	G52441	13.07	7	48.5							Br	
CITROEN																					
Evasion 2.0 16V Xantia 1.8 16V FROM 07360 XM 2.0 16V Xsara 1.8 i 16V		1999 2001	1998 1761	4		IN	094892	0854	34.6	6	106.4	PN	45	A							
							EX	0949A6 094992	0855	29.6	6	105.7	PN	45	A						
								IN	0221-25	G52644	12065	6	40.8							Br	
	EX	0221-24	G552646	12065	6	40.8							MS								
CITROEN																					
Saxo 1.6 16V VTS (72/87 KW) Eng. NFX (TU5J4)	NFX TU5J4	1999	1587	4		IN	094883	0858	28.7	6	104.4	CV	45	A							
							EX	094989	0859	24.6	6	104.2	CV	45	A						
	IN	0220-95	G52654	11.06	6	40							Br								
	EX	0220-95	G52654	11.06	6	40							Br								
CITROEN																					
Xsara Picasso 1.8 16V C5 1.8 16V Eng. 7J4-6FZ	7J4 6FZ	2001	1749	4		IN	0948A4	0873	29.8	6	106.0	PN	45	A							
							EX	0949A4	0874	27.3	6	104.0	PN	45	A						
	IN	0221-25	G52644	12065	6	40.8							Br								
	EX	0221-24	G552646	12065	6	40.8							MS								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
CITROEN																
C4 2.0 16V Xsara Coupè 20 16V Eng.RF8 C5 2.0 16V Eng. RFN Evasion 2.0 16V Eng. RFN-RFV Xsara Picasso 2.0 16V Eng.DW10TD JUMPY 2.0 16V Eng.EW10J4	RF8 RFN RFV DW10TD EW10J4	2001 2004	1997	4		IN	094899	0875	33.3	6	106.1	CV	45	A		
						EX	094999	0876	28.9	6	103.6	PN	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
C5 2.0 16V HPI Eng. RLZ-EW10J4 (103 KW)	RLZ EW10J4	2001 2006	1998	4		IN	0948A7 0948C6	0877	32.4	6	105.1	CV	45	A		
						EX	0949A7 0949C2	0878	29.2	6	102.7	CV	45	A		
						IN	0221-25	G52644	12065	6	40.8					Br
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
C8 2.2 16V Eng. EW12J4	EW12J4	2003	2179	4		IN	0948A1 0948C5	0883	35.1	6	106.0	CV	45	A		
						EX	0949A2	0884	30.9	6	102.9	CV	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
Xsara VTS 16V	XU10J4RS	1997	1998	4		IN	094882	0887	34.1	6	106.4	CV	45	A		
						EX	094987	0888	30.7	6	105.3	CV	45	A		
						IN	0220-96	G52833	12.06	6	40.8					Br
						EX	0220-96	G52833	12.06	6	40.8					Br
CITROEN																
Berlingo 1.6 16V (81 KW) Xsara Coupè 1.6 16V C2 1.6 16V C3 1.6 16V C4 1.6 16V	TU5JP4	2001 2004 2006	1587	4		IN	0948E0 0948A9	0889	31.2	6	103.7	CV	45	A		
						EX	0949A8 0949C5	0859	24.6	6	104.2	CV	45	A		
						IN	0220-95	G52654	11.06	6	40					Br
						EX	0220-95	G52654	11.06	6	40					Br
CITROEN																
Xsara 1.8i 16V ZX 1.8i 16V Xantia 1.8 i 16V Eng.LFY (XU7JP4) UP TO 07359 Xantia 2.0 i 16V XM 2.0 i 16V	LFY XU7JP4 RFV XU10J4R	1997	1761	4		IN	094875	0892	34.6	7	106.4	PN	45	K		
						EX	094981	0893	29.6	7	105.8	PN	45	K		
						IN	0220-73	G52332	12.07	7	40					Br
						EX	0221-19	G52334	12.07	7	40					Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
CITROEN																		
C4 1.4 16V C2 1.4 16V	ET3J4	2004	1360	4		IN	0948C8	0896	28.3	5.5	100.8	CV	45	K				
							EX	0949C4	0897	24.3	5.5	101.1	CV	45	K			
																		
CITROEN																		
Xantia 1.8 i. 16V BX 1.9 16V GTI ZX 16V 2.0 XM 2.0 16V Xantia SX 2.0i. 16V (81/97/116 KW)	D6A XU9J4	1987 1988 1995	1761 1905 1998	4		IN	91540748	2012	34.6	7	106.4	PN	45	K				
								094861										
								96172597										
							EX	96172795	2013	29.6	7	105.8	PN	45	K			
								91540782										
						IN	0220-73	G52332	12.07	7	40				Br			
						EX	0221-19	G52334	12.07	7	40				Br			
CITROEN																		
Visa GTI - GTI 8 CV BX 16 RS / TRS ZX Aura Xantia 1.6 ZX 1.6 ZX Break Avantage Xantia XS ZX 1.8 / Break Avantage Xantia 1.8 Autom. / XS BX 19 TRS / TRI BX 4x4 Break R Volcano Xsara 1	XU5JA XU5M D29 XU92C XU9CXU9M XU9JA/Z XU7JB	1985 1987 1988 1991 1993 1997 1999	1580 1761 1905	4		IN	91535017	2014	41.6	8	108.8	PN	45	A				
								91537468										
								094856										
								094887										
							EX	91535019	2015	34.5	8	108.4	PN	45	A			
	91537470																	
						IN	0220-64	G52298	13.07	8.01	38.7				Br			
						EX	0220-72	G52301	13.07	8.01	45				Br			
CITROEN																		
DS3 DS5 C4 Picasso	EP6DT EP6DTF EP6CDT EP6CDTM	2006	1587	4		IN	0948E8	2250	28.8	5	105.7	CV	45	K				
							EX	0949E2	2251	26.0	5	110.3	CV	45	K			
																		
CITROEN																		
Jumper 33 2.0		2004	1998	4		IN	0948A6	2252	41.6	8	109.3	PN	45	A				
							EX	094957	2015	34.5	8	108.4	PN	45	A			
																		
CITROEN																		
C1 1.0	384F 1KFRE	2006 2010	998	3		IN	0948E2	2253	27.4	5	88.4	CV	45	A				
							EX	0949C8	2254	23.6	5	89.2	CV	45	A			
																		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
CITROEN															
DS4 DS5 C4 Picasso	EP3C EP6CDTX	2006	1300 1587	4		IN	0948G4	2255	29.7	5	95.1	CV	45	K	
						EX	0949E2	2251	26.0	5	110.3	CV	45	K	
															
CITROEN															
C3 DS3	EB2 EB2M	2013	1200	3		IN	9676359080	2268	29.1	5	92.6	PN	45	A	
						EX	9676359180	2269	26.0	5	91.8	PN	45	A	
															
CITROEN															
C5 3.0 V6 24V Eng. XFX-XFW C8 3.0 V6 24V (152 KW)	XFX XFW	2001 2002	2946	V6		IN	0948A5	2946	35.0	6	108.4	PN	45	A	
						EX	0949A5	2947	30.5	6	106.9	PN	45	A	
															
CITROEN															
C3 DS3 Berlingo C4Picasso C5 DS4 C3 Picasso	EP3C EP6C	2007	1397 1596	4		IN	0948F9 753388480 0949F6 753388580	3404	30.0	5	97.0	CV	45	K	
						EX	0949F6	3405	25.1	5	110.8	CV	45	K	
															
CITROEN															
C4 ALLCROSS	SFZ 4B11 4B12	2008	1998 2400	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A	
						EX	0949E7	4225	29.0	5.5	105.8	CV	45	A	
															
CITROEN DIESEL															
AX 14 D / RD / TRD Eng. TUD 3 (39 KW)	TUD3	1988	1361	4		IN	95638449 96012815	0128	35.5	7	108.5	PN	45	A	
						EX	95638450 96012816	0129	30.5	7	108.0	PN	45	A	
							IN	0220-91	G52438	13.07	7	40.2			
	EX		G52435	13.07	7	42.8				Br					







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.		
CITROEN DIESEL																
AX 1.5 DX Saxo 1.5 D ZX 1.5 D (43 KW)	TUD5	1994 1999	1527	4		IN	0948A8	0814	37.0	7	108.4	PN	45	A		
							96150145 094874									
							EX	96150144 094980	0815	31.5	7	108.2	PN	45		A
							IN	0220-91	G52438	13.07	7	40.2				
EX	0220-91	G52438	13.07	7	40.2				Br							













CITROEN DIESEL																	
Visa 17 D / RD BX 17 D / RD - C 15 D Eng. XDU 7 BX 17 DTR Eng. XDU 7 - TE - Turbo ZX Break Eng. XUD 7 ZX Volcano Eng. XDU 9A BX 19 D / RD / TRD BX 19 Break Eng. XDU 9 Xantia 1.9 D / DX / SX / TD / VSX ZX 1.9 D / TD / Break Evasion 1.9 TD (44-81)KW Xsara 1	XUD7 XDU7TE XUD9TF DW8	1983 1983 1984 1986 1988 1991 1993 1994	1769 1905 2088	4		IN	93501070	0820	38.0	8	112.5	PN	30	A			
							93501279 094846										
							IN	094859	0816	38.5	8	112.5	PN	45		A	
							EX	93510774 094973 96272853 96005392 93510773 93501280 93501280 96137360	0821	33.0	8	112.0	PN	45		A	
							IN	0220-55	G52053	14.06	8.01	50					Br
							EX	0220-55	G52053	14.06	8.01	50					Br











CITROEN DIESEL																
Xantia 2.1 TD 12V XM 2.1 TD / XM D 12 3V Ambiance / Harmonie D 12 3V (61/81 KW) Evasion 2.1 TD	XUD11A XUD11BTE	1989 1995	2088 2138	4		IN	96007817	0844	33.9	8	122.3	PN	45	K		
							96008334 094868									
							EX	094968 96042957 96079213	0845	33.9	8	121.9	PN	45		K
							IN	0220-55	G52457	13.07	8.01	54.5				
EX	0220-55	G52457	13.07	8.01	54.5				Br							













CITROEN DIESEL																
Jumper 27 2.5 TDI	DJ5TED	2001	2446	4		IN	094884	0846	41.0	7	115.6	PN	45	K		
							EX	094990	0847	37.7	7	115.4	PN	45		K
							IN	0220-93	G52529	13.05	7.01	54				
EX	0220-93	G52529	13.05	7.01	54				Br							

CITROEN DIESEL																
DS4 DS5 2.0 Hdi 16V	RHH DW10C- TED4	2011	1997	4		IN	0948F6	0848	27.3	6	104.5	PN	45	K		
							EX	0949A3	0880	24.9	6	105.0	PN	45		K
							IN	0220-A2	G552750	10065	6.01	41.5				
EX	0220-A2	G552750	10065	6.01	41.5				MS							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
CITROEN DIESEL															
XM 2.5 TD Jumper 31 2.5 D 12V			2446	4		IN	094872 96095457	0852	36.9	7	127.8	PN	45	K	
						EX	094979 96096146	0853	36.9	7	127.5	PN	45	K	
						IN	0220-93	G52529	13.05	7.01	54				Br
						EX	0220-93	G52529	13.05	7.01	54				Br
CITROEN DIESEL															
Evasion 1.9 TD Hdi Evasion 2.0 HDI Xantia 2.0 HDi Xsara 1.9 TD DW10 Berlingo 2.0 HDi C5 2.0 HDI Jumpy 2.0 HDI (80 KW) XSARA 2.0 HDI XSARA PICASSO 2.0 HDI C5 2.0 Hdi 16V Jumper 29-33 2.0 Hdi Jumper 33-35 2.2 Hdi	DV10 DW10ATED	1999 2001 2003 2006	1905	4		IN	094895	0856	35.6	6	107.1	PN	45	K	
						EX	094996	0857	33.8	6	107.1	PN	45	K	
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS
CITROEN DIESEL															
C4 2.0 HDI 16V C5 2.0 HDI 16V Eng. DW10BTED4 FAP C5 2.2 16V Hdi BiTurbo Eng. 4HX C8 2.2 16V HDI	DW10BTE- D4FAP DW12TE- D4FAP 4HX	2002 2004 2006 2008	2179	4		IN	0948A3	0879	29.8	6	105.0	PN	45	K	
						EX	0949A3	0880	24.9	6	105.0	PN	45	K	
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS
CITROEN DIESEL															
Evasion 2.0 Hdi 16V Jumpy 2.0 Hdi C8 2.0 Hdi 16V	RHW DW10ATE- D4FAP	2001 2004	1997	4		IN	0948C0 0948C0	0881	29.9	6	106.2	PN	45	K	
						EX	0949A9	0882	25.0	6	106.2	PN	45	K	
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS
CITROEN DIESEL															
Xsara 1.4 HDI C3 1.4 HDI C2 1.4 HDI C1 1.4 HDI Nemo 1.3 Hdi	DV4TD 8HR 8HS	2003 2010	1248 1398	4		IN	0948C2	0894	32.8	5.5	97.3	CV	45	K	
						EX	0949B1	0895	30.3	5.5	97.3	PN	45	K	
						IN									
						EX									
CITROEN DIESEL															
C3 1.6 HDI 16V C4 1.6 HDI 16V C5 1.6 HDI 16V Xsara 1.6 HDI 16V Picasso 1.6 HDI 16V Berlingo 1.6 HDI 16V (66-80Kw) Eng. DV6TED4-9HX	DV6TED4 9HX	2004 2005 2010	1560	4		IN	0948C7	0898	25.6	5.5	96.4	CV	45	K	
						EX	0949C3	0899	23.4	5.5	96.6	PN	45	K	
						IN		G52836	9.55	5.51	34				Gh
						EX		G52836	9.55	5.51	34				Gh


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
CITROEN DIESEL															
Jumper 2.2 HDI 16V	4HU22DT	2006	1797 2198	4		IN	0948E6	1271	29.7	7	122.2	PN	30	K	
						EX	0949E3	1272	25.7	7	122.2	PN	45	K	
							IN	XS7Q6510AC	G52944	12.06	6.98	51.5			Gh
						EX	XS7Q6510AC	G52944	12.06	6.98	51.5			Gh	
CITROEN DIESEL															
C3 1.4 Hdi 16V	DV4TED4	2004	1398	4		IN	0948C4	2256	24.3	5.5	96.4	PN	45	K	
						EX	0949C1	2257	22.4	5.5	96.5	PN	45	K	
															
CITROEN DIESEL															
C5 Biturbo 16V Hdi C8 Biturbo 16V Hdi		2006 2008	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K	
						EX	0949E1	2259	25.0	6	95.0	CV	45	K	
							IN	0220-A2	G552750	10065	6.01	41.5			MS
						EX	0220-A2	G552750	10065	6.01	41.5			MS	
CITROEN DIESEL															
DS5 1.6 Hdi DS4 1.6 Hdi DS3 1.6 Hdi C3 1.6 Hdi C4 1.6 Hdi C5 1.6 Hdi	9HR 9HL DV6C	2010 2011	1560	4		IN	0948F7	2274	30.2	5.5	95.5	PN	45	K	
						EX	0949F5	2275	27.5	5.5	95.5	PN	45	K	
															
CITROEN DIESEL															
Jumper 31 2.8 D Sofim		2001	2800	4		IN	094896	2668	43.4	8	121.8	PN	30	A	
						EX	0949A0	2671	36.0	8	122.0	PN	45	A	
															
CITROEN DIESEL															
CX 2200 Diesel C 35 / CX 2500 D / Break S Eng. M22 / 621 CX 2500 D / Confort / Familiare / Pallas / Prestige / Break / Super CX 25 RD / TRD C 25 / C 35 D Eng. M25 / 629 Eng. M25 / 660 CX 2500 TD / Break / Familiare / Pallas C 25 TD Eng. M25 / 64	M22 M25	1975 1978 1980	2175 2482	4		IN	5478734 95493872 95569116	2700	42.2	8	121.4	PN	45	K	
						EX	5457479 95569117	2701	35.0	9	121.4	PN	45	K	
							IN	5414143	G51237	13.06	7.99	55			Gh
						EX	5414141	G51238	13.06	8.99	57			Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
CITROEN DIESEL																			
Jumper 31 2.8 TD Sofim Jumper 33-35 2.8 Hdi	814043N	2001 2004	2798	4		IN	0948A2	2705	41.0	8	121.0	PN	30	A					
						EX	0949A0	2671	36.0	8	122.0	PN	45	A					
																			
CITROEN DIESEL																			
Jumper 40 3.0	F1CE0481	2014	2998	4		IN	0948F1 0948G7	5640	32.4	6	119.9	PN	30	K					
						EX	0949E6 0949G1	5641	32.3	6	119.9	PN	30	K					
						IN		G5S2811	10.03	6.02	49				MS				
						EX		G5S2811	10.03	6.02	49				MS				
CUMMINS																			
H & N All Models ON		1958		4 6 12		IN	150288 68276	1964	44.5	10.3	179.0	PN	30	H					
						EX	144911	1964	44.5	10.3	179.0	PN	30	H					
																			
CUMMINS																			
Eng. NH 230 , 230B, 250, 250B / C / P Eng. NHC 250 Eng. NHD 230 Eng. NHE 220, 225, 225B Eng. NHF 240, 265 Eng. NHH 250 Eng. NHCT Eng. NTCC 250S, 290, 350 Big Cam Engines Eng. NHCT - CT / 270 Eng. NTC 270 CT / E, 290 Power Torque 270 Eng. Formu	NH	1960	9640 14011 23171	6 12		IN	3040830 3000926 135957 145701	1966	47.5	11.5	179.5	PN	30	H					
						EX	145701 3040830	1966	47.5	11.5	179.5	PN	30	H					
						IN	147967	G51420	19.1	11.5	87.3				Gh				
						EX	147967	G51420	19.1	11.5	87.3				Gh				


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.								
CUMMINS																							
4B - 6B- 6BT Ford Cargo Hyster Hyunday 4B Turbo 6B Turbo Eng.F4GE	F4GE	2006 2010		4 6		IN	3920867	1968	45.0	8	129.2	PN	30	A									
							3901117																
							3802355																
							EX	4899632	4312	42.0	8	130.5	PN	45		A							
							EX	3920868									1969	42.0	8	129.0	PN	45	A
	3901607																						
	3802356																						
CUMMINS																							
6C 6CT VolksWagen Ford Cargo Hyunday				6		IN	3924472	1970	52.0	9.5	151.0	PN	30	A									
							3924492																
							3802275																
							3802463																
							EX	3921444	1971	46.0	9.5	150.9	PN	45		A							
	3902254																						
	3802085																						
CUMMINS																							
Eng. K Series Model KTA (88 KW)			5760	6 12 16		IN	207241	4300	56.4	12.6	191.8	PN	30	A									
							3088393																
							EX									3088391	4300	56.4	12.6	191.8	PN	30	A
																3035110							
							CUMMINS																
Eng. V 352. V6 - 140 Eng. V 378. V6 - 155 Eng. V 470. V8 - 185 Eng. V 504. V8 - 210 Eng. V 555. VT 555. V8 - 255		1963	5768 6194 7702 8259 9095	6 8		IN	166774	4301	40.5	9.7	141.5	CV	30	B									
							EX									3275356	1967	40.8	9.6	141.4	PN	30	A
																3275355							
							CUMMINS																
Eng. N14						IN	3803854	4302	47.6	9.6	196.8	PN	20	A									
							3084045																
							EX									3166410	4303	47.6	9.6	196.0	PN	45	A
																3800891							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
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CUMMINS

Eng. ISX						IN	4965868 4059326 3685996	4304	47.6	9.6	216.0	PN	20	A
						EX	4101454	4305	45.5	9.6	223.8	PN	45	A


CUMMINS

C SERIES GAS-EPG				6		IN	3802813 3927254	4306	52.0	9.5	151.0	PN	20	AP
						EX	3927255 3802812	4307	46.0	9.5	150.9	PN	20	A


CUMMINS

Eng. V / 8 250 - V / 6 186 - 200 - 210 ON		1965		6 8		IN	216707 138886	4308	48.0	11.5	168.0	PN	30	H
						EX	138887	4308	48.0	11.5	168.0	PN	30	H


CUMMINS

Eng G14 - GTA 855 GAS	GTA855	2012	14000	6		IN	3394112	4311	47.6	11.5	200.2	PN	20	H
						EX	3394112	4311	47.6	11.5	200.2	PN	20	H







CUMMINS

Eng. 5.9 ISB TD 24V				6		IN	3940735	5626	33.0	7	124.6	PN	30	A
						EX	3940734 3968183	5627	33.0	7	124.3	PN	45	A

CUMMINS













Eng. N14						IN	3068519	15406	47.5	9.6	196.2	PN	30	A
						EX	3070473 3803726 3803425 3069672 3406657	15406	47.5	9.6	196.2	PN	30	A









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CUMMINS																
Eng. L 10 - 240						IN	3033234	15409	42.5	9.45	176.4	CV	32	A		
							3801357									
							EX	3606856	15409	42.5	9.45	176.4	CV	32		A
								3803995 3417713 3818520								
CUMMINS																
Eng. L10 - 300						IN	3418020	15411	42.5	9.6	195.3	PN	30	A		
							4955239 4926069 3800638									
							EX	3803311	15411	42.5	9.6	195.3	PN	30		A
								3070159 3418021 3800639								
CUMMINS																
Eng ISC 24 V	ISC	2006	8300	6		IN	3942588	15415	38.0	8	137.8	PN	30	A		
							3800340									
							EX	3800341	15416	38.0	8	137.9	PN	45		A
								3942589								
CUMMINS																
G Series G3.9 - G5.9 B	G	2006	3900 5900	6		IN	3802659	15419	45.1	8	129.2	PN	20	A		
							3922714									
							EX	3922713	15420	42.0	8	129.1	PN	20		A
								3802658								
DACIA																
1300 1.3 1300 Station Wagon 1.3 1304 Pick Up 1.3 1310 (U. X) 1.3 1310 Station Wagon 1.3	810-02/99		1289	4		IN	7701458180	0405	33.5	7	89.6	CV	45	A		
							EX	7700638247	0407	29.0	7	89.0	CV	45		H
									07 10 939 000	G50394	11.15	7	41.5			
							EX		07 10 939 000	G50394	11.15	7	41.5			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
DACIA															
Duster 1.6 16V	K4M	2010	1598	4		IN	7701471378	0448	32.7	5.5	109.3	CV	45	A	
						EX	7701471379 7701473354	0449	28.0	5.5	107.7	PN	45	A	
						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br
						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br
DACIA															
Logan	E7J E5F	2004 2008 2012	1389 1598	4		IN	7701465088	0640	37.5	7	107.8	PN	30	A	
						EX	7701465090 7701468149	0641	33.6	7	107.8	PN	45	A	
						IN									
						EX									
DACIA															
Sandero 1.2 16V	D4F	2008	1149	4		IN	7701472986	1704	26.0	5.5	110.7	PN	45	K	
						EX	7701473004	1705	22.0	5.5	112.5	PN	45	K	
						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br
						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br
DACIA															
Dokker 1.2 Logan II TCe90 Sandero II TCe90 Duster 1.2 Tce Duster 1.2 Tce 4x4 Duster 1.2 Tce Furgonato	H4B400 H5F	2013	898 1200	3 4		IN	132017322R	5288	26.6	5.5	100.8	CV	45	K	
						EX	132027223R	5289	23.5	5.5	101.6	PN	30	K	
						IN									
						EX									
DACIA DIESEL															
Duster 1.5 Dci Sondero 1.5 Dci Logan 1.5 Dci Lodgy 1.5 Dci	K9K	2002 2005 2009 2012	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K	
						EX	7701473183	1703	28.9	6	100.8	PN	45	K	
						IN									
						EX									
DAEWOO-CHEVROLET															
Aveo 1.4 16V Cruze 1.4 (j300 j305 j308) Sail 1.2 Beat 1.2 Beat 1.2 LPG Spark 1.2 Orlando 1.4 Tracker 1.4	A14XER Z12XE LUJ	2009 2011 2013	1199 1398	4		IN	90529527	2068	28.0	5	93.8	CV	45	K	
						EX	90529529 55565339	2069	25.0	5	93.8	CV	45	K	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
DAEWOO-CHEVROLET																	
Nexia 1.5 8V Nexia 1.5 16V Racer	G15MF	1996	1498	4		IN	90215492	2146	38.0	7	101.3	CV	45	A			
							EX	96098751	2147	31.0	7	101.4	CV	45	A		
								IN		G51951	11.03	7.02	45.8				Gh
								EX		G51951	11.03	7.02	45.8				Gh
DAEWOO-CHEVROLET																	
Espero 1.8 Espero 2.0 Nubiria 2.0 16V Soch Evanda 2.0 Magnus 2.0	C18LE Z245ED	1996 1999 2001	1796 1998	4		IN	90220119	2164	41.8	7	103.8	CV	45	A			
							EX	90323756 90323757	2165	36.5	7	103.6	CV	45	A		
								IN									
								EX									
DAEWOO-CHEVROLET																	
Chevy 1.4 Chevy 1.4 Station Wagon Chevy 1.6 Station Wagon Corsa 1.6 GS Tre volumi Corsa 1.6 GS Due volumi Corsa 1.6 Station Wagon	Z14XE Z16XE X16XE	1995 1997 2002	1389 1598	4		IN	641034	2168	31.0	6	103.1	CV	45	K			
							EX	641340	2169	27.5	6	102.2	CV	45	K		
								IN		G52482	10.03	6	45				Gh
								EX		G52482	10.03	6	45				Gh
DAEWOO-CHEVROLET																	
Leganza 16V Nubira 1.8 16V Nubiria 2.0 16V Doch Leganza 2.2 Tacuma 2.0 16V Evanda 2.0 16V Captiva 2.4 Lacetti 1.8 Lacetti 1.8 Station Wagon Winstorm 2.4 Vivant 2.0 Cx	C18XE C20SED Z245ED	1999 2001 2004	1799 1998 2405	4		IN	90412277	2170	32.0	6	102.1	PN	45	K			
							EX	90410813	2171	29.0	6	92.2	PN	45	K		
								IN									
								EX									
DAEWOO-CHEVROLET																	
Equinox	LAF	2009	2198	4		IN	55563529	2192	35.1	6	102.2	CV	45	K			
							EX	454518	2193	30.1	6	100.9	CV	45	K		
								IN									
								EX									
DAEWOO-CHEVROLET																	
Lanos 1.4 8V	A13SMS A14SMS	1998	1349	4		IN	96182934	2300	37.9	7	103.5	CV	45	A			
							EX	96182933	2301	31.0	7	103.6	CV	45	A		
								IN	96350913	G552685	11.03	7.02	47.5				MS
								EX	96350913	G552685	11.03	7.02	47.5				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.							
DAEWOO-CHEVROLET																						
Nubiria 1.6 16V / 1.5 LT Lanos 1.6 16V / 1.5 LT Tacuma 1.6 16V Cielo 1.5i 16V Espero 1.5i 16V Nexia 1.5i 16V Racer 1.5i 16V	A16DMS-	1998	1598	4	T	IN	96103129	2302	30.3	6	102.4	PN	45	A								
	A15MF	2004		EX		96103129 96182806																
				EX		96103130 96182805																
					P	IN	96103034	G5S2671	11.05	6	40.1				MS							
						EX	96103034	G5S2671	11.05	6	40.1				MS							
	DAEWOO-CHEVROLET																					
Matiz Matiz 1.0 Kalos 1.2 Labo 0.8 Tico 0.8 Aveo 1.2 Due volumi Spark 1.0 Gentra 1.2 SE	F8CV	1999	796	3	T	IN	1291178B00	2304	35.6	5.5	110.6	CV	45	A								
	B10S	2003	995	4		EX	96352793									2305	31.8	5.5	110.4	CV	45	A
	B12S1	2004	1150				1291578B00															
	F12S3				P	IN	11115A-70B000	G5S2686	11.05	5.5	43				MS							
						EX	11115A-70B000	G5S2686	11.05	5.5	43				MS							
	DAEWOO-CHEVROLET																					
Tacuma 1.8 SX Eng.F18N	F18N	2001	1761	4	T	IN	96230591	2306	38.0	6	101.3	CV	45	K								
						EX	96230595	2307	31.4	6	101.1	CV	45	K								
DAEWOO-CHEVROLET																						
Kalos 1.4 SOCH	F14S3	2003	1399	4	T	IN	96335947	2308	38.0	6	104.0	CV	45	K								
						EX	96335948	2309	31.0	6	104.0	CV	45	K								
				P	IN		G5S2845	11.03	6.02	47.5				MS								
			EX			G5S2845	11.03	6.02	47.5			MS										
DAEWOO-CHEVROLET																						
Lacetti 1.8 16V Nubira 1.8 16V	F18D3	2006	1800	4	T	IN	93333561	2310	31.2	6	101.4	CV	45	K								
						EX	93333562	2311	27.5	6	100.8	CV	45	K								
DAEWOO-CHEVROLET																						
Montana 1.4	14SE	2015	1400	4	T	IN	93399245	2321	38	6	105	PN	46	K								
						EX	24578793	2322	30.9	6	105.1	PN	46	K								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.		
DAEWOO-CHEVROLET																
Montana 1.8	18SE	2015	1800	4		IN	93399246	2323	37.9	6	101.5	PN	46	K		
							EX	579671	2324	31	6	101.6	PN	46	K	
																
DAEWOO-CHEVROLET																
Spark 1.0 EngB10D1 N 300 MAX 16V	LAQ B10D1	2010	1200	4		IN	96463002	2325	25.9	5	99.3	PN	45	A		
							EX	96463003	2326	23.5	5	99.8	PN	45	A	
																
DAEWOO-CHEVROLET																
Cruze 1.8 Cruze 1.8 LPG Cruze Due volumi 1.8 Cruze Due volumi 1.8 LPG Orlando 1.8 Tracker 1.8 Tracker 1.8 AWD	F18D4	2009 2011 2013	1796	4		IN	641076	2660	31.2	5	113.9	CV	45	K		
							EX	641391	2661	27.5	5	113.2	CV	45	K	
								IN	24405805	G552814	10.03	5	37			MS
							EX	24405805	G552814	10.03	5	37			MS	
DAEWOO-CHEVROLET																
Korando 3.2 4x4 Korando Cabrio 2.0 16V Musso 2.3 Musso 3.2 4x4 Rexton 3.2 V6	M104.995 M161.950 M111.970 M104.992 M162.992	1999 2002	1998 2295 3199	4 6		IN	1110531101	2772	35.0	7	101.5	PN	45	A		
							EX	1110501227	2773	31.0	7	103.5	PN	45	A	
								IN		G52453	12.56	7.02	37.5			Gh
EX		G52453	12.56	7.02	37.5			Gh								
DAEWOO-CHEVROLET																
Kalos 1.4 DOCH Lacetti 1.4 16V Cruz 1.6 16V Nubira 1.6 16V	F14D3 F16D3	2003 2004	1399	4		IN	96376881	15454	28.6	6	101.6	CV	45	A		
							EX	96896008 96440079 96376980	15455	27.3	6	101.2	CV	45	A	
																
DAEWOO-CHEVROLET DIESEL																
Truck Plus	XUD9	2000	1900	4		IN	FS054982	0816	38.5	8	112.5	PN	45	A		
							EX	50060609 FS060609	0821	33.0	8	112.0	PN	45	A	
								IN		G52290	14.06	8.01	52			Br
EX	0220-55	G52053	14.06	8.01	50			Br								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.						
DAEWOO-CHEVROLET DIESEL																					
Cruz 1.7 D Trax 1.7 TD	DTS	2011	1686	4		IN	642027	2314	27.5	6	102.5	PN	45	A							
	641085																				
	98113743																				
	EX 641400						2315	25.4								6	102.3	PN	45	A	
641086																					
97385842																					
DAEWOO-CHEVROLET DIESEL																					
Nubira 2.0 TCDI Captiva 2.0 TCDI Epica 2.0 TCDI	Z20DMZ- 20DMH	2007	1991	4		IN	96951454	2316	28.6	6	95.7	PN	45	K							
	4817354																				
	4805321																				
	EX 96951455						2317	24.4								6	95.7	PN	45	K	
4817338																					
DAEWOO-CHEVROLET DIESEL																					
Cruze 2.0 TD Orlando 2.0 TD Captiva 2.2 TD	Z20 Z22	2011	1998 2231	4		IN	25183821	2327	28.5	5.0	101.9	PN	45	A							
	EX 183822		2328				26.5	5.0								101.9	PN	45	A		
DAEWOO-CHEVROLET DIESEL																					
Rexton 2.9 TD	OM 662.983	2002	2874	5		IN	6010530401	2747	38.0	8	106.4	PN	45	A							
							6010531701														
							6010531201														
							EX 6010501227	2748								35.0	9	106.4	PN	45	A
							6010500227														
							6010502127														
						IN		G52099	14.03	8	39.5					Gh					
					EX		G52101	14.03	9	37.5						Gh					
DAEWOO-CHEVROLET DIESEL																					
Aveo 1.3 D 16V Eng. LDV - LSF Euro 5	LDV LSF	2011	1248	4		IN	55223835	2944	22.4	6	109.2	PN	45	K							
	EX 55223836						2945	22.4								6	109.3	PN	45	K	
DAF TRUCKS																					
CF 85.330 XF Euro2	XF Euro2	2002	12600	6		IN	1342220	1178	45.5	9	163.3	PN	20	A							
							EX 1362696	1179								42.4	9	158.4	PN	45	A
						IN	1313683	G52835	15.06	9	77					Gh					
					EX	1313683	G52835	15.06	9	77							Gh				







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
DAF TRUCKS Eng. DD 575 Series 900. 1100 Eng. DS / DSD 575 Turbo Series 1600. 1800 Eng. DF 615 Series 1600. 1800 Eng. DTD / DT 615 Turbo Series 1300. 1500. 1600 (88/101/110/113 KW)	DD DF DS DTD	1960 1969	5760 6170	6		IN	211260 257263	1187	42.0	8.7	141.0	PN	30	A
						EX	210504 517472 257265							
						IN	210279	G50887	14.33	8.72	71			Gh
						EX	210279							









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
DAF TRUCKS Eng. DH 825 Series FA / FM 2000 Eng. DHS 825 - Turbo FA / FT 2505. FAR 2500. FAT 2525 Eng. DHT 825 - Turbo FA 2305 Eng. DHTD 825 - Turbo FA / FT 2105 Eng. DU / DHU / DHB - 825 - Turbo Series FA / FT 2000. 2005. 2200. 2205. 2300 (120/148/151/162/	DH DHB DHS DHT DHTD	1969 1971 1976 1978 1979	8250	6		IN	613965 674830	1189	51.4	10	148.7	PN	30	A
						EX	613966 674829							
						IN	240472-5	G50389	16.03	10	70			Gh
						EX	240472-5							













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
DAF TRUCKS Eng. DKA / DKL 1160 Series ATI 2400. MB 200. SB 201 Eng. DKB 1160 Series ATI 2400. FA / FT 2600 Eng. DKTD 1160 Series FA / FT 2600. 2605. 2805 Eng. DKS 1160 - Turbo Series FA / FAT 2800. 2805 (97/113/139/156/169/188/260 KW)	DKA DKB DKS DKT	1969 1973 1976	11630	6		IN	242253	1191	56.7	11	151.9	PN	30	A
						IN	655395 267356							
						EX	655398 267357	1194	47.7	11	150.1	PN	30	A
						EX	242199							
						IN	236534-3	G50788	17.5	11.11	70.3			Gh
						EX	236534-3							















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
DAF TRUCKS Eng. DNT / DNS 620 Turbo Series 1300. 1700. 1900 (132/156 KW)	DNT DNS	1987	6329	6		IN	286292	1196	44.0	9.9	142.4	PN	30	A
						EX	286291							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
DAF TRUCKS Eng. DKV 1160 - Turbo Eng. DKXE 1160 - Turbo FA 2805 Eng. DKX 1160 ATI - Turbo FA / FAG / FT / FTG 3305 FAR / FTR 3300 FAD / FAT / FTT 3325 Eng. DC 1160 - Turbo FAS 3603 - FA / FT 3605 FAD / FAT 3625 DK 11.60 NTG Turbo Diesel Engine (212/260/2	DC DK DKX DKV	1973 1984 1987	11630	6		IN	1259989 266305	1198	54.9	11	175.0	PN	30	A
						EX	266306 1254382							
						IN	266425	G52501	17.55	11.07	75			Gh
						EX	266425							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
DAF TRUCKS															
Eng.RS180 Eng.RS200 Eng.RS222 Eng.HS825 Series FA	HS RS	1992	8650 11630	6		IN	394838	1840	50.0	10	157.9	PN	30	A	
						EX	394839	1841	45.5	10	157.9	PN	30	A	
						IN	557284	G52913	16.04	10	79				Gh
						EX	557284	G52913	16.04	10	79				Gh
DAF TRUCKS															
CF 75.310 75.360	PX92	2004	9200	6		IN	1345509	1844	40.5	9	157.7	PN	20	A	
						EX	1352127	1845	37.0	9	155.1	PN	45	A	
						IN	1313683	G52835	15.06	9	77				Gh
						EX	1313683	G52835	15.06	9	77				Gh
DAF TRUCKS															
XF 85-95 Euro 2 Eng.MV4	Euro2	2003	12600	6		IN	1307654	1846	45.5	9	163.6	PN	30	A	
						EX	1327029	1847	42.5	9	158.6	PN	30	A	
						IN									
						EX									
DAF TRUCKS															
CF 85.430 XF 95.430 Euro 3	Euro3	2004 2006	12600	6		IN	1603846 1684773	1848	45.5	9	163.3	PN	20	A	
						EX	1362696 1654942	1179	42.4	9	158.4	PN	45	A	
						IN	1313683	G52835	15.06	9	77				Gh
						EX	1313683	G52835	15.06	9	77				Gh
DAF TRUCKS															
XF95 XF105 CF85 ENG. MX300	MX300	2011	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A	
						IN									
						IN									
						EX	1678541	2291	42.5	10	168.6	PN	30	A	
						EX									
						EX									
DAF TRUCKS															
ENGMX 13 EURO 6	MX13E- URO6	2014	12900	6		IN	1912976	2292	44.0	10	169.8	PN	20	A	
						EX	1741505	2293	41.0	10	169.6	PN	30	A	
						IN									
						EX									



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
DAF TRUCKS																	
LF 45 FA 45.140/160/180/201/220 LF 55 FA 55.160/180/220/250/280 LF FA 150/180/210/220/250/310 LF CF 220/250/280/310	PX-5 112/135/157 FR 103/118/136/152 S1 PX-7 164/186/208/231 GR 165/184/210 S1	1999	4460	4		IN	1404919	5626	33.0	7	124.6	PN	30	A			
		2002	4461	6													
		2006	6690														
		2013	6691														
		2014				EX	1404918	5627	33.0	7	124.3	PN	45	A			
DAIHATSU																	
Delta 1.5 Microbus Taft Gran Eng. 12R (59 KW)	12R	1977 1981	1587	4		IN	1371131050	0724	40.0	8	109.0	PN	45	A			
						IN	1371131030	0718	40.0	8	109.0	PN	45	AL			
						EX	1371531030 1371531050	0719	34.0	8	109.0	PN	45	AL			
						EX	1371531070	0725	34.0	8	109.0	PN	45	A			
						IN	11122-23010	G51400	14.04	8	50					Gh	
	EX	11122-23010	G51400	14.04	8	50					Gh						
DAIHATSU																	
Charmant 1.4 Eng. T Charmant 1.6 Delta 1.6 Wide Cab 1.6 Eng. 12T (2T) (59/64 KW)		1975/79 1976/81	1407 1588	4		IN	1371125011	1779	41.0	8	109.0	CV	45	L			
						EX	1371525011	1780	36.0	8	109.0	CV	45	L			
DAIHATSU																	
Sirion 1.3 16V YRV 1.0 12V YVR 1.3 16V (75 KW) Eng.K3-VE	K3VE	2000	1298	4		IN	1371197401 1371123030	1810	26.0	5	88.2	CV	45	A			
						EX	1371597401 1371523030	1811	22.6	5	89.2	CV	45	A			
						IN	11124-87101	G52691	12.08	6.6	55				Gh		
						EX	11128-87101	G52692	12.08	6.6	55				Gh		
DAIHATSU																	
CUORE SIRION Eng.1KRFE	1KRFE	2005	998	3		IN	1371140040	2253	27.4	5	88.4	CV	45	A			
						EX	1371540040	2254	23.6	5	89.2	CV	45	A			
DAIHATSU																	
Cuore Hujet Atrai Wide Cab Eng. AB Charade 1.0 Eng. CB (23/40 KW)		1977 1979	547 993	2 3		IN	1371187701 1371187705	2534	36.0	7	101.6	PN	45	A			
						EX	1371587702 1371587701	2535	33.0	7	101.6	PN	45	A			



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
DAIHATSU														
Rocky 4x4 2.0 Eng. 3Y (65 KW)	3Y	1984	1998	4		IN	1371171010	2558	40.1	8	108.3	PN	45	A
						EX	1371571010	2559	36.0	8	108.6	PN	45	A
														
DAIHATSU														
Delta 2.0		1978	1994	4		IN	1371144013	2566	43.0	8.5	109.5	CV	45	A
						EX	1371544022	2567	37.0	8.5	110.0	CV	45	A
														
DAIHATSU														
Move Cuore Eng. ED SOHC		1999	847	3		IN	1371187202	3860	34.0	7	111.1	CV	45	A
						EX	1371587202	3861	28.0	7	110.6	CV	45	A
														
DAIHATSU														
Cuore		1999	1000	3		IN	1371197205	3862	24.5	5	79.2	PN	45	A
						EX	1371597203	3863	21.0	5	79.8	PN	45	A
														
DAIHATSU														
Sirion		1999	1000	3		IN	1371187208	3864	24.1	5	79.5	CV	45	A
						EX	1371587208	3863	21.0	5	79.8	PN	45	A
														
DAIHATSU														
Terios Charade Feroza (69 KW) Eng.HCE	HCE	1988 1999	1295 1589	4		IN	1371187103 1371187104	5528	30.0	6.6	112.6	PN	45	A
						EX	1371587105 1371587106	5529	26.1	6.6	114.5	PN	45	A
														



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
DAIHATSU DIESEL															
Eng. DL - Turbo Rocky. F70. 75. 77 4WD (54/67 KW)		1985/90	2765	4		IN	1371187312	2528	42.0	9	127.6	PN	45	A	
						EX	1371587319	2529	35.0	9	127.6	PN	45	A	
															
DAIHATSU DIESEL															
Delta 3.0 Light Bus Eng. B (59 KW)		1979	2972	4		IN	1371156030	2554	45.0	9	128.0	PN	45	A	
						EX	1371556030	2555	37.5	9	127.7	PN	45	A	
							IN	11122-56021	G52363	14.05	9	60			
						EX	11122-56021	G52363	14.05	9	60				Gh
DETROIT DIESEL															
Eng. DD13	OM471	2011	12800	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A	
						EX	4710500527	3283	43.5	9.5	246.6	PN	30	A	
															
DETROIT DIESEL															
Eng.60 Series Natural Gas Eng. 677-775						IN	23518745	3722	44.0	8.7	216.9	PN	20	A	
						EX	506350	5228	39.9	8.7	215.6	PN	30	A	
							EX	23519093	3723	39.0	8.7	216.4	PN	20	AP
DETROIT DIESEL															
Eng. DD15 Eng. DD16	OM472 OM473					IN	4720500126 4730500126	3726	47.2	9.5	240.0	PN	20	A	
						EX	4730500127	3727	45.1	9.5	246.6	PN	30	A	
															
DETROIT DIESEL															
HERCULES						IN	11140400	3728	46.0	7.8	114.3	PN	30	B	
						EX	12140400	3729	40.6	7.8	114.3	PN	45	B	
															



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.									
DETROIT DIESEL																								
Eng. Serie 60						IN	23501576	15407	44.0	8.7	215.6	PN	30	A										
							8929589																	
							23529629																	
							Nimonic																	
							EX	23507504	5228	39.9	8.7	215.6	PN	30	A									
23524521																								
23529596																								
EX	8929590	4037	39.5	8.7	215.6	PN	30	A																
EX	23501577									15408	39.9	8.7	215.6	PN	30	A								
DONG FENG																								
Shuaike 1.6	TU5JP4		1587	4		IN	0949A9	0889	31.2	6	103.7	CV	45	A										
							EX									0949A8	0859	24.6	6	104.2	CV	45	A	
							IN	0220-A2	G5S2750	10065	6.01	41.5								MS				
EX	0220-95	G52654	11.06	6	40																			Br
DONG FENG																								
Truck			5900	6		IN	3940735	5626	33.0	7	124.6	PN	30	A										
							EX									3940734	5627	33.0	7	124.3	PN	45	A	
EL DETALLE																								
Gondola OA 101	BF 6L 913 BF 6L 913C	1987	6128	6		IN	4153629	0177	43.0	8	133.0	PN	45	A										
							EX									4153696	0178	37.0	8	133.0	PN	45	A	
EL DETALLE																								
Gondola OA 104	BF 6M 1015C	1991	11905	6		IN	4267453	1526	46.0	8	133.0	PN	30	K										
							EX									4226412	1527	42.0	8	132.9	PN	45	K	
EL DETALLE																								
Gondola OA 106	4 BTAA	1991	3922	4		IN	3802355	1968	45.0	8	129.2	PN	30	A										
							EX									3802356	1969	42.0	8	129.0	PN	45	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FIAT ALLIS																
200 - 255 - 300J - 300 - 350 - 355C - 355 - 400 - 420 - 450 - 450F - 450R - 455 - 460 - 470 - 470S - 480 / 8F - 450 - 455C - 455CS - 480 - 480S - 480 / 8 - 500 - 500 S - 505C - 540 - 540 S (8025.01 - 8025.02 - 8035.01 - 8035.02				2/ 3/ 4		IN	60105343 4659379 1901963 1902205	0286	44.0	8	125.5	DF	45	A		
								4621484 4673608 4658055	0287	37.0	8	125.5	PN	45	A	
							IN	4802126	G50287	14.02	8.02	56				Gh
						EX	4676070	G51039	14.02	8.02	56				Gh	
FIAT ALLIS																
200 - 255 - 300J - 300 - 350 - 355C - 355 - 400 - 450 - 450F - 450R - 455 - 450C - 460 - 470 - 470S - 480 / 8F - 450 - 455C - 455CS - 480 - 480S - 480 / 8F - 500 - 500S - 505C - 540 - 540S - 505CS - 570 - 580 - 550 - 555 - 600 - 605C - 605CS - 640 - 670 -	1984 1991			3/ 4 6		IN	4824416 99432652 98435622 4803805 1904656 4784888	0288	45.5	8	125.7	PN	30	A		
						IN	4802204	0328	44.5	8	125.8	DF	30	A		
						EX	4658055	0287	37.0	8	125.5	PN	45	A		
						EX	1904655 4784889 4789890 4806717 4806718	0289	37.5	8	125.5	PN	45	A		
						IN	4802126	G50287	14.02	8.02	56				Gh	
						EX	4676070	G51039	14.02	8.02	56				Gh	
FIAT ALLIS																
650 S - 655 - 655 C 705 - 805 C - 850 850 S - 880 1300 - 120 C 1300 S - 100 C 54 - Tigrotto - Daino Lupetto - Leoncino OM 130 OM 130 R OM 130 T (CN3 - C03 - CP3)	1969 1970			3 4 4/6 6		IN	8823545 8823548	0290	43.0	8	138.0	DF	45	A		
						EX	8823549 8823544	0291	36.5	8	138.0	PN	45	A		
						IN	4578795	G50284	14.08	7.99	55				Gh	
						EX	4578795	G50284	14.08	7.99	55				Gh	
FIAT ALLIS																
FL 12 - AD 12 BD 12 - FR 12 / 1						IN	4535494	0294	50.0	10	161.0	PN	45	A		
						EX	4535495	0295	44.0	10	161.0	PN	45	A		
FIAT ALLIS																
AD 18 - BD 18 FL Eng,8215.01.221	1965	12883	6			IN	4580688	0302	58.0	11	166.5	PN	45	A		
						EX	4632840	0299	49.0	11	166.5	PN	45	A		
						IN		G50232	19.01	11.03	86				Gh	
						EX		G50232	19.01	11.03	86				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
FIAT ALLIS																				
200C 20 - FL 20 FD 20 - FR 20 MX 240 M 8215.02		1970	8214	6		IN	4695850 4683025	0304	59.0	11	170.0	PN	45	A						
						EX	4683026 2991999	0305	49.0	11	170.0	PN	45	A						
						IN		G50278	18.02	11.02	86				Gh					
				EX			G50273	18.02	11.02	76				Gh						

FIAT ALLIS																		
FD 30 - FR 35 M 8280.22						IN	4704214	0310	51.0	10	156.5	PN	30	A				
						EX	4704215 4808415	0311	45.0	10	156.5	PN	45	A				
						IN	4672515	G50900	17.04	10.02	67				Gh			
				EX		4672515	G50900	17.04	10.02	67				Gh				

FIAT ALLIS																
AD - BD 14 FL FL 14B / FL 14AB OM 160 NC / V OM 160 NC OM 160 / NT (8200.02 - 8205.02)		1973	8205	6		IN	4684088	0313	51.0	10	161.0	PN	45	A		
						IN	4638617	0312	53.0	10	161.0	PN	45	A		
						EX	4684089	0314	45.0	10	161.0	PN	45	A		
						IN		G50650	17.01	10.02	80				Gh	
				EX			G50655	17.01	10.02	70				Gh		

FIAT ALLIS																		
Eng. 8365.45		1990	7685	6		IN	98448462 98497241 4860106 98443427	0330	46.8	9	142.1	PN	30	A				
						EX	4860107 1908427	0331	42.5	9	142.4	PN	45	A				
						IN	4861816	G52542	16.05	9.02	62				Gh			
				EX		4861811	G52544	16.05	9.02	57				Gh				

FIAT ALLIS																
80C - 90C 1380 - 1580 1880 OM 50 / 10 OM 55710 OM 65 / 10 OM 70710 OM 75 / 10 (C03 / 130T - 8365.05 - 8365.25 - 8340.04 - 8340.05 - 8360.05 - 8365 SI) Eng. 8365.05 Eng. 8365.25	OM50 OM56 OM70	1971 1980	4570 8102	4 4/6		IN	8824754 4821709	0516	48.5	8	137.5	DF	45	A		
						IN	4821710	0516+0.6T	48.5	8	137.5	DF	45	A		
						EX	8830045 8825776 4821711	0517	41.0	8	137.8	PN	45	A		
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
FIAT ALLIS																					
615 - 615 DT C02D / 60 Tigrotto 4.8 Ton. Cerbiatto Lupetto Daino FR 8 OM 513 615 - 315 DT FL Diamante (C02D - D108 - C0213 - C02D60)		1962		4		IN	8806875 8821781	0524	41.0	7.9	171.0	DF	45	A							
						EX	8806876 8821782	0525	36.0	7.9	171.0	PN	45	A							
FIAT ALLIS																					
70 CL						IN	580605	2456	50.8	11	160.0	PN	45	A							
						EX	580606	2457	45.0	11	160.0	PN	45	A							
FIAT ALLIS																					
Eng. 8215.22 Turbo FL 20 - FR 20 B - MX 300		1992	13797			IN	4849522	3050	57.5	11	171.0	PN	30	A							
						IN	4673862	2448	57.5	11	170.0	PN	30	A							
						EX	4673861	3051	47.8	11	169.7	PN	45	A							
FIAT IVECO																					
Marengo Ducato Daily Grinta Eng. 8140.61 / 8142.61 / 8144.61 30.8 Campagnola 35.8 40.8 Daily Brasile (53 KW)	814061 814261 814461	1978 1980 1983	2000 2445	4		IN	4733348	0281	40.9	8	121.9	PN	30	A							
						IN	7301820 4757358 504069200	2705	41.0	8	121.0	PN	30	A							
						IN	4741915	0280	41.0	8	122.0	PN	45	A							
						EX	4733349	2706	32.9	8	122.0	PN	45	A							
						IN	4749395	G51811	13.03	8.02	56				Gh						
						EX	4733258	G51355	13.06	8.02	60				Gh						
FIAT IVECO																					
612 N2 Eng. 803A / 8030.01 616 N3 Eng. 8030.02 Tractor 446 / 450 / 455 / 465 / 466 / 470 / 474 / 480 / 488 / 500 / 505 / 540 Eng. 8035.02 Tractor 505 / 566 / 570 / 580 / 588 Eng. 8035.04 616 N2 / N4 625 N2 Orsetto 15 Eng. 804A / 8040.01 Tractor 600-605 Eng	803A 803001 803002 803504 803502 804001	1966 1970 1971 1972 1972 1978 1980	2340 2592 2748 3120 3456 3666 4678 5184 5187 5496 5499	3 4 6		IN	60105343	0286	44.0	8	125.5	DF	45	A							
							1901963 4659379 1902205														
						IN	4802204	0328	44.5	8	125.8	DF	30	A							
						IN	1901964 4621511	0269	44.0	8	125.5	DF	45	A							
						EX	4621484 4673608 4658055	0287	37.0	8	125.5	PN	45	A							
												IN	4802126	G50287	14.02	8.02	56				Gh
												EX	4676070	G51039	14.02	8.02	56				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.																													
FIAT IVECO																																												
EuroCargo 60 E 14-E 15 65 E 12-E 14-E 15 75 E 14-E 15 80 E 15-E18-E21 90 E 18-E21 95 E 21 100 E 15-E 18-E 21 120 E 18-E 21 130 E 18-E 21 150 E 18-E 21 Eng.8040.05-8060.05	804005 806005	2001	1990	4 6		IN	98435622	0288	45.5	8	125.7	PN	30	A																														
							1904656																																					
							1908408																																					
							EX	1908409	2441	37.6	8	125.7	PN	45		A																												
								1904654																																				
								4784890																																				
								IN	4802126	G50287	14.02	8.02	56									Gh																						
									EX														4802126	G51039	14.02	8.02	56	Gh																
							FIAT IVECO																																					
							80 / 110 E15 - E18 Euro-Cargo Eng. 8060.25 Turbo 616 N2 - N3 - N4 625 N2 79.14 - 115.14 Eng. 8060.05 650 N1 - N2 - N3 79.17 - 115.17 Eng. 8060.25 655 N1 - 662 N1 672 N 50 / 10 80 / 13 90 / 13 100 / 13 110 110 P 110 T 40 - 50 / 10 Furgone	806005 806025	1982 1987 1990 1991	3908 5816 5861 5862	4 6		IN	4824416		0288	45.5	8	125.7	PN	30	A																						
4803805																																												
1904656																																												
98435622																																												
4784888																																												
99432652																																												
IN	4802204	0328	44.5	8	125.8	DF								30	A																													
EX	4658055	0287	37.0	8	125.5	PN								45	A																													
	EX																							99432718	0289	37.5	8	125.5	PN	45	A													
	IN	4802126	G50287	14.02	8.02	56																								Gh														
																															EX	4676070	G51039	14.02	8.02	56								Gh
FIAT IVECO																																												
175.24 / 25 - 190.24 TRU - 190.26 TRU - 240.26 TRU - 370 S 24 - Turbocity U Eng. 8460.21 - Turbo 190 / 44 DE - 190.32 190 / 44 DE 38 Eng. 8460.41 - Turbo (177/221 KW) Euro Tek 190 E 38 440 E 38	846021 846041	1986 1987 1991	9500	6		IN	61316814	0296	49.5	9	147.3	PN	30	A																														
							61320722																																					
							61370865																																					
							61318428																																					
							EX									61321255	0297	43.0	9	146.0	PN	45	A																					
							EX	61315973																																				
								IN	61585072	G51923	16.05	9.02	67									Gh																						
																							EX	61585072	G51923	16.05	9.02	67	Gh															
							FIAT IVECO																																					
							682 N2 682 RN 682 N3 690 N - N1 306 - 682 N - 690 - 682 N4 405 / 410 / 411 / 412 Bus 682 T4 Eng. 203.00 - 203A61			1961	6		IN	4535358		0298	56.0	11	166.5	PN	45	A																						
EX	4632840	0299	49.0	11	166.5	PN								45	A																													
	EX															4535359																												
	IN		G50232	19.01	11.03	86															Gh																							
							EX	G50232	19.01	11.03	86	Gh																																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FIAT IVECO 619 - 683 - 693 Eng. 203.65		1965		6		IN	4580688	0302	58.0	11	166.5	PN	45	A		
							EX	4535359 4632840	0299	49.0	11	166.5	PN	45	A	
								IN		G50232	19.01	11.03	86			Gh
								EX		G50232	19.01	11.03	86			Gh

FIAT IVECO Series 160 / 170 / 180 / 190 / 240 / 260 / 300 / 330 / 370 / 607 / 619 / 670 AP 160.24 (Eng. 8210.02) 421 A / AL Orlandi Bus 370 F12 (Eng. 8210.12) 190 / 440 E 42 Euro Star (Eng. 8210.42) (192 KW)	821002 821012 821042	1972 1980 1981 1992	13797 13798	6		IN	98480846 4683025 4638615	0304	59.0	11	170.0	PN	45	A		
							EX	99452179 2991999 4683026	0305	49.0	11	170.0	PN	45	A	
								IN		G50278	18.02	11.02	86			Gh
								EX		G50273	18.02	11.02	76			Gh









FIAT IVECO 684 N / NP / T - 690 N4 - 331 A Eng. 8200.02 308 - 308 L - 309 A - 343 - 343 E - 409 A - 418 A / AC / AL - 420 A Eng. 8200.12 160 NC / NT - 684 T Eng. 8200.03 343 L Eng. 8200.13 (147/154/165 KW)		1970 1974	9819 10308	6		IN	4684088	0313	51.0	10	161.0	PN	45	A		
							IN	4638617	0312	53.0	10	161.0	PN	45	A	
							EX	4684089	0314	45.0	10	161.0	PN	45	A	
								IN		G50650	17.01	10.02	80			Gh
EX		G50655	17.01	10.02	70				Gh							








FIAT IVECO Ducato 10 Furgone Eng. XM7T Ducato 13 Furgone Eng. XN1T (51/53/57 KW)	XN1T XM7T	1981 1982	1795 1971	4		IN	7910029730 094833	0618	42.6	8	118.6	CV	30	A		
							EX	7910028074 094927	0611	35.5	8	112.0	PN	45	A	
								IN		G50942	14.05	8.01	55			Gh
								EX		G50942	14.05	8.01	55			Gh











FIAT IVECO Ducato Benzina		1982	1995	4		IN	094836	0635	43.9	8	112.0	PN	30	A		
							EX	094938	0659	38.6	8	111.4	PN	45	A	
								IN		G51961	13.05	8.01	51			Gh
								EX		G51961	13.05	8.01	51			Gh











FIAT IVECO E145-E195-E215-E245 NEF 45 AM1 NEF 67 SM1 ENG.F4GE	F4GE	2006		4 6		IN	4895187	1968	45.0	8	129.2	PN	30	A		
							EX	4899632	4312	42.0	8	130.5	PN	45	A	
							EX	4895188	1969	42.0	8	129.0	PN	45	A	
								IN								
EX																












Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
FIAT IVECO															
Euro Star 440 E 52 Eng.8080.42	808042	1996	17173	v8		IN	98444133 98446334 99485232	2444	51.8	10	157.2	PN	25	A	
						EX	99444132 4828299	5621	45.0	10	156.0	PN	45	A	
						IN	4672515	G50900	17.04	10.02	67				Gh
						EX	4672515	G50900	17.04	10.02	67				Gh
FIAT IVECO															
Euro Tech Cursor 190 E 27K 190 E 31K Cursor 78TE2 190 E 380 E STRALIS 190S27-S31-S35 260S27-S31-S35 440S35 Eng.F2BE0681	F2BE06-81GAS	2001 2004	7790	6		IN	504042365 500354685 500354682 99456803	2450	40.0	8	174.0	PN	30	A	
						EX	500354687 99457210 504042363	2451	39.0	8	173.0	PN	45	A	
						EX	504078215	2451+0.2T	39.0	8	173.0	PN	45	A	
						EX	504203471 5801493134	2445	39.6	8	173.3	PN	30	A	
						IN	500391440	G5S2797	13.03	8.02	75.5				MS
EX	500391436	G5S2799	13.03	8.02	75.5				MS						
FIAT IVECO															
EuroCargo 120 E 23 130 E 23 150 E 23 280 E 23 T 135 E 23 W 170 E 27		1990 2001	5816	6		IN	98429886 1908394	2666	46.0	9	141.0	PN	30	A	
						EX	98412705 1908395	2667	38.3	9	141.0	PN	45	A	
FIAT IVECO															
Ducato Maxi Eng.8140.67 Sofim	814067	1994	2500	4		IN	98468338	2668	43.4	8	121.8	PN	30	A	
						EX	98418161	2669	36.6	8	121.9	PN	45	A	
						IN	4749395	G51811	13.03	8.02	56				Gh
EX	4749395	G51811	13.03	8.02	56				Gh						
FIAT IVECO															
242 / 15 - 18 D Eng. B 22.615 242 E FL Eng. B 25.637 (46/52 KW)	B25637	1974 1981	2175 2499	4		IN	5471746 5478734	2700	42.2	8	121.4	PN	45	K	
						EX	5414239 5457479	2701	35.0	9	121.4	PN	45	K	
						IN	5414143	G51237	13.06	7.99	55				Gh
EX	5414141	G51238	13.06	8.99	57				Gh						
FIAT IVECO															
238 E Furgone 242.15 B 131 Engine Furgone 242.188 Campagnola 2.0		1977 1978 1983	1438 1585 1995	4		IN	4376861	2702	34.5	8	100.5	PN	45	A	
						EX	4376862	2703	31.0	8	101.0	PN	45	A	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
FIAT IVECO															
Daily Grinta	814021	1983	2445	4		IN	7301820	2705	41.0	8	121.0	PN	30	A	
Campagnola	814027	1986	2499					4757358							
Marengo Ducato		1990	2779												
Grinta T.															
Daily Series 35 / 40 / 45 / 49 / 35.10 / 35.8 / 35.12							EX	500327442	2646	36.7	8	122.0	PN	30	A
Eng. 8140.21 - Turbo / 8140.61.200 / 8140.47							EX	99432837	2671	36.0	8	122.0	PN	45	A
Daily							EX	7302157	2692	34.5	8	122.0	PN	45	A
Eng. 8140.27 (68/76 KW)								7303309							
Daily 81.40.43								7301821							
Daily 29 2.3 TD															
Daily 35 2.3 TD						IN	4749395	G51811	13.03	8.02	56			Gh	
Daily 50						EX	4749395	G51811	13.03	8.02	56			Gh	
Daily 60															
Daily 65															
Duc															
FIAT IVECO															
Series 190 / 240 / 330 / 370	821022	1981	13797	6		IN	4837679	3050	57.5	11	171.0	PN	30	A	
Eng. 8210.22 - Turbo	821022	1984	13798					4849522							
190.33 Turbostar	821522	1992						98497025							
(Eng. 8210.22 - S - Turbo)								4837598							
(Eng. 8210 Spr - Turbo)							IN	4673862	2448	57.5	11	170.0	PN	30	A
(Eng. 8215.22 Turbo)															
(224/243/309 KW)							EX	4673861	3051	47.8	11	169.7	PN	45	A
								98407026							
						IN	4630923	G50675	18.01	11.02	86			Gh	
						EX	4648237	G50680	18.01	11.02	76			Gh	
FIAT IVECO															
Euro Tech / Euro Star	821022	1996	13797	6		IN	98474603	5622	57.4	11	170.0	PN	30	A	
190 E 42		2001						98478407							
240 E 42															
440 E 42															
440 E 47							EX	98474604	5623	47.8	11	169.7	PN	45	A
Euro Trukker															
380 E 37															
410 E 37															
410 E 42															
Eng.8210.22															
						IN	4630923	G50675	18.01	11.02	86			Gh	
						EX	4648237	G50680	18.01	11.02	76			Gh	
FIAT IVECO															
STRALIS	F3AE0681	2000	10380	6		IN	500355776	5624	43.0	9	202.5	PN	30	A	
190 S 40-S 43		2004						504042366							
260 S 40-S 43		2006						5801551448							
440 S 40-S 43															
Eng.F3AE0681															
Eurostar							EX	504042367	5625	42.0	9	201.3	PN	45	A
Euroteck 190-260-440								500355779							
E40-43								504314695							
CURSOR 10TE1							EX	5801487019	2449	29.0	5.5	105.8	PN	45	A
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
FIAT IVECO																			
Euro Cargo Tector 60 E 13 65 E 13 75 E 13 75 E 15 75 E 17 80 E 17 90 E 17 100 E 17 120 E 24-E28 130 E 24-E28 150 E 24-E28 180 E 24-E28 Eng.F4AE0481-F4AE0681 NEF 67TE2F-F4AE341	F4AE0- 4881 F4AE0- 4681 F4AE341	2001 2010	3920 4500 5880	4 6		IN	4895052	5626	33.0	7	124.6	PN	30	A					
						EX	4895051	5627	33.0	7	124.3	PN	45	A					
FIAT IVECO																			
Daily 2300 16v Eng.F1AE0481 Eng.F1CE0481	F1AE0481 F1CE0481	2005	2287	4		IN	504069199 500362855 504378070	5628	30.0	6	120.4	PN	45	K					
						EX	500362856	5629	30.0	6	120.4	PN	45	K					
FIAT IVECO																			
STRALIS 190 S 48 260 S 48-S 54 440 S 48-S 54 Eng F3BE0681 CURSOR 10TE2 CURSOR 13TE2 CURSOR C13B5	F3BE0681	2004 2008	12882	6		IN	500355778	5634	47.0	10	199.1	PN	30	A					
						EX	504080352 500355780 504293892	5635	45.9	10	197.8	PN	45	A					
FIAT IVECO																			
Daily 3000 16v Eng.F1C3 SOFIM S30	F1C3	2005	2998	4		IN	504072531 504238926	5640	32.4	6	119.9	PN	30	K					
						EX	504081062 504238928 504184682	5641	32.3	6	119.9	PN	30	K					
						IN	504053804	G5S2811	10.03	6.02	49				MS				
					EX	504053804	G5S2811	10.03	6.02	49					MS				
FIAT AUTO																			
500 D / F / G / L 500 Giardiniera 500 R / 126 (11/13/14/17 KW)		1961 1967 1973 1977	499 594 652	2		IN	4058859 4062108 4294098	0204	32.0	8	115.5	CV	45	C					
						EX	4294099 4374855 5977214 4340268 4146638 4094941	0219 0205	28.0 28.0	8 8	115.5 116.0	PN PN	45 45	K C					
												IN	987064	G50029	13.06	8.02	59		
					EX	987064	G50480	14.06	8.02	59				Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
FIAT AUTO																
600 D		1960	760	4		IN	4132958	0210	25.5	7	92.0	PN	45	B		
							EX	4064702	0211	23.5	7	92.0	PN	45	B	
								IN		G50146	13.03	7.02	42			Gh
								EX		G50146	13.03	7.02	42			Gh
FIAT AUTO																
850 850 Special 850 Coupé Spider 900E (35 KW)		1965/68	843	4		IN	4121897	0212	27.0	7	92.0	PN	45	B		
							IN	4265690	0214	29.0	7	95.0	CV	45	B	
							EX	4121898	0213	25.0	7	92.0	PN	45	B	
							EX	5977614	0215	26.0	7	95.0	PN	45	B	
								4265692								
								IN		G50045	13.03	7.02	46			Gh
EX		G50045	13.03	7.02	46				Gh							
FIAT AUTO																
Panda 750 Young Panda 34 Uno 45 S / SL Sting Fiorino 900 Nuova 500 / 900 127 CL / Special / Super 900 E - Fiorino Panda 45 / 45S 850 Sport Coupé 850 Sport Spider Micro Panda 4x4 600 Eng. 29W (25/33/35/38 KW)	29W	1968	769	4		IN	46407749	0220	29.0	7	95.0	CV	45	A		
								4265695								
								46427459								
								5959564								
							EX	4266321	0222	26.0	7	95.0	PN	45	K	
							EX	7783841	0221	26.0	7	95.5	PN	45	A	
								7736408								
								5973130								
								5959563								
								4377979								
	IN	4265699	G50507	13.03	7.02	42.5			Gh							
	EX	4265699	G50507	13.03	7.02	42.5			Gh							
FIAT AUTO																
Panda 30 Panda 30 Super (22 KW)		1980	652	2		IN	5976236	0223	34.5	8	115.5	PN	45	C		
								4400640								
							EX	4374855	0205	28.0	8	116.0	PN	45	C	
								4094941								
								4340268								
	IN	5924098	G51801	14.06	8.02	57.5			Gh							
	EX	987064	G50029	13.06	8.02	59			Br							
FIAT AUTO																
1100D - R		1966	1089	4		IN	4137337	0231	32.0	8	105.0	PN	45	LB		
							EX	4137338	0232	30.0	8	105.5	PN	45	LB	
	IN	4137339														
	EX	4137339														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
FIAT AUTO																
124 Berlina 124 Special Furgone 238 - 241 A (48 KW)		1966	1197 1438	4		IN	4250799	0233	34.5	8	99.5	PN	45	B		
						EX	4147475 4250800 4252787	0234	31.0	8	100.0	PN	45	B		
						IN		G50173	14.06	8.02	42				Gh	
						EX		G50177	14.06	8.02	45.5				Gh	
																
FIAT AUTO																
1300 1500 1800 B 2300		1961 1969	1295 1481 1795 2279	4 6		IN	4080364	0239	34.0	8	110.5	PN	45	LB		
						EX	4111154	0240	31.0	8	106.0	PN	45	LB		
						IN										
						EX										
																
FIAT AUTO																
1500 C / Polski Zastava (55 KW)		1966	1300 1481	4		IN	4127674	0243	35.0	8	110.0	PN	45	LB		
						EX	4127675 4146641	0244	31.5	8	105.0	PN	45	LB		
						IN		G50164	15.03	8.02	40.5				Gh	
						EX		G50168	15.03	8.02	47				Gh	
																
FIAT AUTO																
Ritmo 75 V CL Ritmo Super 85 X1 / 9 - Five Speed Nuova Ritmo 85 / 85 S Regata / Ritmo 85 Ritmo / Uno OA50 Uno 75 Regata 85 S Aut. Uno Turbo (55/61 KW)	128A000 138C2048 146A4000	1979 1981 1981 1983 1985 1986 1989	1498 1301	4		IN	4460697 5999660 4239917	0247	36.0	8	108.5	PN	45	A		
						EX	4319339 5973129 7565813 4403047	2710	33.5	8	109.0	PN	45	A		
						IN	4250803	G51467	14.06	8.02	46.5				Gh	
						EX	4250803	G51467	14.06	8.02	46.5				Gh	
																
FIAT AUTO																
131 Supermirafiori 125 / 132 GL / GLS 124 Special T 1.6i. 131 Super 132 1.6i. / Argenta 131 Racing Panorama 125 Special 124 Spider Coupé OHC 132 GLS - 1.8i. 124 Abarth Rally 1.8i. 131 Super 2000 Spidereuropa Argenta (59/66/70/72/74/78 83/85/90) KW		1967 1968 1972 1974 1975 1976 1978 1980 1981 1983 1985	1367 1592 1595 1608 1756 1995	4		IN	4173746 4255694 4255779	0253	41.8	8	106.5	CV	45	A		
						IN	4300760	0255	42.5	8	106.5	CV	45	A		
						EX	5953041 4293992 4469661 5975341 7597080 7631719 4359309	0254	36.2	8	105.7	PN	45	A		
						IN		G50173	14.06	8.02	42				Gh	
						EX	4250801	G52603	14.06	8.02	42				Gh	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.				
FIAT AUTO																		
127 Special / Super / C / CL / L / Fiorino / Sport / Berlina / Panorama Ritmo 60 L Uno 60 Duna 60 / Weekend Nuovo Fiorino Duna 70 / Weekend 127 Sport / Nuovo Fiorino (37/40/43/44/49 KW)		1977 1978 1979 1986 1987 1988	1049 1116 1301	4		IN	4340118	0264	34.0	8	110.0	PN	45	A				
						IN	4412816	2707	36.5	8	110.0	PN	45	A				
						EX	4340119 4412822	2920	29.0	8	110.5	PN	45	A				
FIAT AUTO																		
126 / 650 Personal 126 Bis (18 KW)		1978 1987	650 704	2		IN	4379986	0266	33.0	8	115.5	PN	45	C				
						EX	4294099	0219	28.0	8	115.5	PN	45	K				
						EX	4094941 4146638 4374855 5977214 4340268	0205	28.0	8	116.0	PN	45	C				
						IN	4294108	G50480	14.06	8.02	59			Gh				
					EX	987064	G50480	14.06	8.02	59				Gh				
FIAT AUTO																		
131 1.3 Supermirafiori TC (58 KW)		1981/83	1301 1365	4		IN	82316779	0462	37.5	8	107.0	PN	45	A				
						EX	82336458 82399550	0463	34.0	8	107.0	PN	45	A				
											IN		G50173	14.06	8.02	42		
					EX	4250803	G51467	14.06	8.02	46.5				Gh				
FIAT AUTO																		
131 Mirafiori L / CL 131 1.6 Furgone 242 B Campagnola (41/55 KW)		1974	1297 1585 1995	4		IN	4351237	728	34.5	8	100.5	PN	45	B				
						EX	4365782	0729	31.0	8	101.0	PN	45	B				
						EX	4351243 4365783	0263	34.0	8	101.0	PN	45	B				
																		
FIAT AUTO																		
Ulysse 2.0	RFU	1997	1998	4		IN	9153501780 9605936180	0840	42.6	8	108.8	PN	45	K				
						EX	9153501980 9614703280	0841	34.5	8	108.4	PN	45	K				
											IN		G52419	13.07	8.01	43.6		
					EX	0221-21	G52422	13.07	8.01	50.6				Br				
FIAT AUTO																		
Ulysse 2.0 16V	RFV	1997	1998	4		IN	9628943380	0854	34.6	6	106.4	PN	45	A				
						EX	9629861180	0855	29.6	6	105.7	PN	45	A				
											IN	7616998	G52644	12065	6	40.8		
					EX	7616998	G52244	14.03	7.02	51.3				Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
FIAT AUTO															
Scudo 2.0 i.e. 16V	RFN	2000	1998	4		IN	9623950380	0875	33.3	6	106.1	CV	45	A	
						EX	9636001780	0876	28.9	6	103.6	PN	45	A	
						IN		G5S2646	12065	6	40.8				MS
						EX		G5S2646	12065	6	40.8				MS
FIAT AUTO															
Panda Metano	132A2000	2012	875	2		IN	55229667	1827	31.1	5	95.5	CV	30	K	
						EX	55231995	1828	26.1	5	95.6	PN	30	K	
						IN									
						EX									
FIAT AUTO															
Croma 2.2 16V	939A600	2006	2198	4		IN	71739277	2192	35.1	6	102.2	CV	45	K	
						EX	71739320	2193	30.1	6	100.9	CV	45	K	
						IN									
						EX									
FIAT AUTO															
Doblò 1.4GPL	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K	
						EX	55225887	2653	23.0	6	94.6	CV	30	K	
						IN	46518800	G5S2525	10.06	6.02	39.7				MS
						EX	46518800	G5S2525	10.06	6.02	39.7				MS
FIAT AUTO															
Croma 1.8 16V Ecotec Twinpor	Z18XEP Z18XER	2006	1800	4		IN	55557741	2660	31.2	5	113.9	CV	45	K	
						EX	71744388	2661	27.5	5	113.2	CV	45	K	
						IN									
						EX									
FIAT AUTO															
Grande Punto 1.4 16V Nuova Bravo 1.4 16V 500 1.4 i.e. 16V 500 Abarth Grande Punto Abarth Linea 1.4 16V Grande Punto 1.4 Turbo 16V Bravo 1.4 Turbo 16V		2007	1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K	
						EX	55206233 55239748 55185080	2663	22.4	6	94.6	PN	45	K	
						IN	46441525	G5S2524	10.03	6.02	39.7				MS
						EX	46441525	G5S2524	10.03	6.02	39.7				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.							
FIAT AUTO																					
500 Sporting Punto 1.2 / 75 600 Panda 4x4 Punto 55 Punto 60 Palio 75 Doblò 1.2 (47 KW) NUOVA Panda 1.1	187A1000	1999	1100 1242	4		IN	7770334	2670	31.5	7	97.1	CV	45	A							
							46436048														
							EX	5942728							2683	27.5	7	97.2	PN	45	A
							7666227	46514754													






FIAT AUTO																					
Uno 45 Fire Panda 1000 S 4x4 Fire Eng. 156 A2 / A3.000 Tipo 1.1 Fire Uno 60 1.1 R / 89 Eng. 160 A3.000 Punto 1.1 SP / 55 Punto 1.2 SP / 60 Punto 60 SPI	156A2000 156A3000 160A3000	1985 1986 1988 1989 1998	999 1108 1200	4		IN	5942727	2682	30.4	7	97.0	CV	45	A							
							46406854								7666228						
							EX	5942728							2683	27.5	7	97.2	PN	45	A
							46514754	7666227													











FIAT AUTO																					
Tipo i.e. 16V Coupé 2.0 16 V / Turbo Croma 2.0 16V	160A5000 160A8046	1990 1990 1992 1993	1756 1995	4		IN	7574739	2686	34.5	7	128.0	PN	45	A							
							7722907														
							EX	7598073							2687	28.5	7	125.6	PN	45	A
							7574742	7650916													
	IN	7616998	G52244	14.03	7.02	51.3							Gh								
	EX	7616998	G52244	14.03	7.02	51.3								Gh							







FIAT AUTO																					
Uno Turbo i.e. Uno Turbo i.e. R / 89 Punto GT (74/77/85/100 KW)	146A2000 146A8000	1986 1989 1993	1301 1372	4		IN	7565812	2696	36.0	8	108.5	PN	45	K							
							EX	7574881							2697	33.0	8	109.0	PN	45	K
	IN	4250803	G52606	14.06	8.02	46.5							Gh								
	EX	7552897	G52090	14.02	8.02	46.6								Br							













FIAT AUTO																					
Polonez		1966	1481	4		IN		2698	35.0	8	110.0	PN	45	A							
							EX								2699	31.5	8	105.0	PN	45	A
	IN		G50164	15.03	8.02	40.5							Gh								
	EX		G50164	15.03	8.02	40.5								Gh							









FIAT AUTO																					
131 Mirafiori / OHV 131 L / CL / Panorama 131 CL Super 131 Mirafiori / OHV Campagnola 1107A (12V) Campagnola 1107A (24V) 242 / 18 Furgone / E / EFL / Pick-up 124 D / 238 B (41/48/55/61 KW)		1966 1974 1976 1978 1983 1986	1197 1297 1301 1585 1595 1995	4		IN	4376861	2702	34.5	8	100.5	PN	45	A							
							EX	5976805							2704	34.0	8	101.0	PN	45	A
								4376864													
	EX	4376862	2703	31.0	8	101.0	PN	45	A												

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.						
FIAT AUTO																					
127 Special / Super / C / CL / L / Fiorino / Sport / Berlina / Panorama Ritmo 60 L Uno 60 Duna 60 / Weekend Nuovo Fiorino Duna 70 / Weekend 127 Sport / Nuovo Fiorino Palio Brasile (37/40/43/44/49 KW)		1977	1049	4		IN	46470637	2707	36.5	8	110.0	PN	45	A							
		1978	1116																		
		1979	1300																		
		1986	1301																		
		1987							EX	46470638	2920	29.0	8	110.5	PN	45	A				
		1988																			
FIAT AUTO																					
131 CL 1.3		1981	1365	4		IN	4415238	2715	33.5	8	112.2	PN	45	A							
						EX	4415239 5957451	2716	30.5	8	112.2	PN	45	A							
FIAT AUTO																					
131 CL 1.6 Croma 1.6 CHT Regata 84 CV (61 KW)		1981 1985	1585 1600	4		IN	4426397	2717	39.5	8	112.2	PN	45	A							
						EX	4394134 5975849	2718	36.5	8	112.7	PN	45	A							
FIAT AUTO																					
Tipo 1.6 2 AGT Ritmo 100 S Ritmo 105 TC Nuova Ritmo 105 TC Tipo i.e. Regata 105 CV 131 CL / Super Regata 100 S Regata Weekend 100 S Tipo 1.8 i.e. GT Tempra 1.8 i.e. SX Croma i.e. Cromo CHT Cromo i.e. Turbo Nuova Ritmo 125 TC Ritmo 130 TC /		1980 1981 1985 1985 1986 1988 1989 1990 1992	1580 1585 1756 1995	4		IN	7547400 4440061 7031135 46406169	2719	43.5	8	105.8	CV	45	A							
						EX	4293992 7631719 7597080 5975341 5953041 4359309 4469661	0254	36.2	8	105.7	PN	45	A							
												IN	4250801	G52603	14.06	8.02	42				Gh
												EX	4250801	G52603	14.06	8.02	42				Gh
FIAT AUTO																					
Bravo 1.4 12V Brava 1.4 12V	182A3.000 182A5.000		1370	4		IN	7712114	2910	30.5	7	110.4	PN	45	A							
						EX	46413334	2911	35.5	7	110.4	PN	45	A							
						IN	7757052	G52475	13.06	7.02	42.5				Gh						
						EX	7779402	G52477	13.03	7.02	46				Gh						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.																																	
FIAT AUTO																																															
Bravo 1.6 16V Marea 1.6 16V Multipla 1.6 16V Multipla Bipower / Blupower Marea Bipower / Blupower Bravo 115 Marea 115 Palio 100 Stilo 1.6 16V 103 CV Doblo' 1.6 16V New Multipla 1.6 16V	182B6000	1999 2001 2004	1596 1581 1747	4		IN	55192067	2912	30.3	7	102.5	CV	45	A																																	
							46413806																																								
							46462158																																								
							46517325																																								
							46761369																																								
							55183592																																								
							EX									46413807	2913	29.8	7	102.4	CV	45	A																								
							46462159																																								
							55196738																																								
							46461209																																								
46761370																																															
	IN	4265699	G50507	13.03	7.02	42.5							Gh																																		
	EX	7756897	G52474	13.03	7.02	42.5							Gh																																		
FIAT AUTO																																															
Bravo 1.8 16V Brava 1.8 16V Barchetta 1.8 16V Nuova Barchetta 1.8 16V Marea 1.8 16V Coupé 1.8 16V Stilo 1.8 130 CV Stilo 2.4 20V	192A2000 192A4000	1998 2001 2003	1747	4		IN	7766564	2914	33.6	7	113.0	PN	45	K																																	
							EX									60674496 7766565	2915	28.1	7	108.5	PN	45	K																								
																IN									60811090	G52477	13.03	7.02	46				Gh														
																EX									60811087	G52475	13.06	7.02	42.5				Gh														
							FIAT AUTO																																								
							Bravo 2.0 HGT 20V Marea 2.0 20V Coupé 2.0 20V Coupé T 20V									182A1.000		1998	5		IN	7735898	2916	30.0	7	113.1	PN	45	K																		
																						60812982																									
																						EX									7735899 46417653 60812981	2917	26.1	7	108.5	PN	45	K									
																															IN																
																															EX																
FIAT AUTO																																															
New Panda 1.2 Doblò 1.2 Seicento 1.1 Panda 1.1 i.e. Strada 1.2 i.e.	223A5.000 187A1000 188A4000 188A5.000	2004	1108 1242	4		IN	55194993	2926	31.9	5	98.4	CV	45	K																																	
							EX									55194994	2927	27.3	5	98.7	CV	45	K																								
																IN										G5S2821	10.03	5.02	44			MS															
																EX										G5S2821	10.03	5.02	44			MS															
							FIAT AUTO																																								
							Idea 1.4 GPL-METANO Doblò 1.4 GPL-METANO Cubo 1.4 GPL - METANO									350A1000 199A7000	2009	1360	4		IN	55198341	2934	33.2	5	100.1	CV	30	K																		
EX	55198342	2935	28.0	5	100.8	CV		30	K																																						
	IN																																														
	EX																																														






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
FIAT AUTO															
Sedici 1.6 16V Eng.Suzuki M16A	M16A	2006	1586	4		IN	71742050	2936	30.0	5.5	101.0	PN	45	A	
						EX	71747245	2937	25.0	5.5	99.0	PN	45	A	
						IN		G5S2771	10.6	5.5	40				MS
						EX		G5S2771	10.6	5.5	40				MS
FIAT AUTO DIESEL															
131 Mirafiori D Eng. 8144.65 131 /132 D Eng. 8144.65.300 131 D / Campagnola Eng. 8142.61 131 Mirafiori D 132 D / Argenta D Eng. 8144.61 Ducato (Eng. 8144.65) 131 Sofim Diesel 131 Panorama (44/53 KW)	814461 814465	1978 1978 1981 1983	1995 2445	4		IN	4733348	0281	40.9	8	121.9	PN	30	A	
						IN	4757358 7301820	2705	41.0	8	121.0	PN	30	A	
						IN	4741915	0280	41.0	8	122.0	PN	45	A	
						EX	4733349	2706	32.9	8	122.0	PN	45	A	
						IN	4749395	G51811	13.03	8.02	56				Gh
						EX	4733258	G51355	13.06	8.02	60				Gh
FIAT AUTO DIESEL															
Ulysse 2.1 TD Eng.XUD11BTE	XUD11BTE	1999	2088	4		IN	9600781780	0844	33.9	8	122.3	PN	45	K	
						EX	9604295780	0845	33.9	8	121.9	PN	45	K	
						IN		G52457	13.07	8.01	54.5				Br
						EX		G52457	13.07	8.01	54.5				Br
FIAT AUTO DIESEL															
Ulysse 2.0 JTD Scudo 2.0 JTD Ducato 11 2.0 JTD Ducato 15 2.0 JTD DW 10 TE (Peugeot) Scudo 1.9 JTD Eng.XUD9TF/L Eng. RHV Peugeot	DW10TE XUD9TF RHV	1999 2004	1997	4		IN	9624774280	0856	35.6	6	107.1	PN	45	K	
						EX	9624774580	0857	33.8	6	107.1	PN	45	K	
						IN		G52434	14.05	8.01	48				Br
						EX		G52434	14.05	8.01	48				Br
FIAT AUTO DIESEL															
Scudo 2.0 JTD 16V Eng.RHM-RHW Ulysse Van Ulysse 2.0 MJT 120 CV	RHM RHW	2001 2006	1997	4		IN	9635317980	0881	29.9	6	106.2	PN	45	K	
						EX	9635318480	0882	25.0	6	106.2	PN	45	K	
						IN		G5S2750	10065	6.01	41.5				MS
						EX		G5S2750	10065	6.01	41.5				MS
FIAT AUTO DIESEL															
Scudo 1.6 D Eng.9HV Peugeot	9HV	2006	1560	4		IN	9645024780	0898	25.6	5.5	96.4	CV	45	K	
						EX	9640840080	0899	23.4	5.5	96.6	PN	45	K	
						IN		G52836	9.55	5.51	34				Gh
						EX		G52836	9.55	5.51	34				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FIAT AUTO DIESEL																
Ducato 2.2 JTD Eng.4HV	4HV	2006	2198	4		IN	9660035980	1271	29.7	7	122.2	PN	30	K		
							EX	9660640080	1272	25.7	7	122.2	PN	45	K	
								IN		G52944	12.06	6.98	51.5			Gh
								EX		G52944	12.06	6.98	51.5			Gh
FIAT AUTO DIESEL																
Multipla JTD 105 Bravo JTD 105 Brava JTD 105 Marea JTD 105 Marea JTD 130 Punto 1.9 JTD Stilo JTD 80 CV Stilo JTD 115 CV Eng. A3.000 Eng. A1.000 Nuova Punto 1.9 MJ Eng.188B2.000 Doblo' 1.9 JTD Eng.182B9.000 Idea 1.9 MJ Palio 1.9 JTD Nuova Bravo 1	188B2000 182B9000	1998 2001 2004 2006	1910 2387	4 5		IN	60814605	1404	35.5	8	115.0	PN	45	K		
								46750859								
								55193126								
							EX	46764378	1405	34.5	8	115.0	PN	45	K	
								55202630								
								60814604								
								46783962								
								IN	7565472	G52406	14.03	8.02	43			Gh
								EX	7565472	G52406	14.03	8.02	43			Gh
							FIAT AUTO DIESEL									
Croma 1.9 JTD Eng.939A2000 Stilo 1.9 JTD Eng.192A5000 Eng.937A5000 Croma 2.4 JTD 20V (Up to Engine 5553218)	939A2000 192A5000 937A5000	2004 2005 2006 2007	1910 2387	4 5		IN	55190248	2647	27.8	5	114.2	PN	45	K		
							IN	55195535	1398	27.8	6	114.4	PN	45	K	
								46802049								
							EX	55206431	2658	27.9	5	114.4	PN	45	K	
								46787902	2659	24.4	5	114.4	PN	45	K	
								55207955								
								55205183								
								EX	55202557	1399	25.8	6	114.4	PN	45	K
EX	55190249	2677	24.9	5	114.2	PN		45	K							
	IN	55210016	G552830	10.03	5.02	46.7			MS							
	EX	55210016	G552830	10.03	5.02	46.7			MS							
FIAT AUTO DIESEL																
New Bravo 1.6 JTD 16V Grande Punto 1.6 MJT 16V Idea 1.6 MJT 16V Eng.198A1000-198A2000 Eng.955A3000 Eng.3502A2000	198A1000	2008	1598	4		IN	55205125	2654	26.5	5	114.4	PN	45	K		
							EX	55207955	2659	24.4	5	114.4	PN	45	K	
								55205183								
								IN	55210016	G552830	10.03	5.02	46.7			MS
								EX	55210016	G552830	10.03	5.02	46.7			MS
FIAT AUTO DIESEL																
Bravo 1.9 TD 100 Brava 1.9 TD 100 Marea 1.9 TD 100 Marea 2.4 TD 125 Punto 1.9 DS Doblo' 1.9 D Eng.223A6.000 Eng.182A7.000	223A6000 182A7000	1998	1910 2387	4		IN	46527855	2672	37.5	8	114.3	PN	45	K		
								7798620								
							EX	46527856	2673	31.0	8	114.1	PN	45	K	
								7783225								
								7783225								
								IN	7565472	G52406	14.03	8.02	43			Gh
EX	7565472	G52406	14.03	8.02	43				Gh							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
FIAT AUTO DIESEL																				
Uno 70 Turbo Diesel Eng. 127 A5.000 - Turbo (52 KW)	127A5000	1986	1367	4		IN	7553000	2678	33.0	8	117.0	CV	45	A						
							EX	7553004	2679	30.0	8	117.0	CV	45	A					
FIAT AUTO DIESEL																				
Croma 1.9 TD i.d. Eng. 154B.000 - Turbo Croma 2.0 TD (69 KW)	154B000	1988	1929	4		IN	7597566	2690	36.5	8	114.0	PN	45	A						
							EX	7597565	2691	33.5	8	114.0	PN	45	A					
FIAT AUTO DIESEL																				
Ducato / Nuova Argenta D 131 Supermirafiori D Eng. 8144.61 Daily / Ducato TD Eng. 8144.81 i.d. - Turbo Argenta TD Eng. 8144.81.200 - Turbo Croma TD Eng. 8144.91 - Turbo Argenta / Croma D Ducato D Eng. 8144.67 Daily (Eng. 8140.27) Croma TD En	8144 8140	1983 1983 1984 1986 1990 1991	2445 2499	4		IN	4757358	2705	41.0	8	121.0	PN	30	A						
								7301820												
							EX	4826033	2692+0.6T	34.5	8	122.0	PN	45	A					
							EX	7301821 7302157	2692	34.5	8	122.0	PN	45	A					
FIAT AUTO DIESEL																				
Ritmo Diesel L / CL Regata Diesel Duna Diesel Regata Weekend D Nuova Ritmo D 43 KW		1980/82 1983 1983/86 1987	1714	4		IN	4368843	2711	38.5	8	126.0	PN	45	A						
							EX	4368845 5996615	2712	33.5	8	126.0	PN	45	A					
FIAT AUTO DIESEL																				
127 D / Berlina / Fiorino Panda D / Uno D 127 / Panda Panorama D Eng. 127 A5.000 Uno Diesel S Panda Diesel (33 KW)	127A5000	1981 1983 1986	1301	4		IN	4424173	2713	34.0	8	112.0	PN	45	A						
							EX	4424174	2714	29.0	8	112.0	PN	45	A					
						IN	4373602	G50195	15.06	8.02	46.5			Gh						
						EX	4373602	G50195	15.06	8.02	46.5			Gh						
FIAT AUTO DIESEL																				
Grande Punto 1.3 MJ New Panda 1.3 MJ Idea 1.3 MJ Doblò 1.3 MJ 16V New 500 1.3 MJ 16V Cubo 1.3 MJ Punto Evo 1.3 MJ Eng. 188A9.000 Eng. 169A1.000	188A9000 169A1000	2003	1248	4		IN	55195680	2924	21.8	6	109.2	PN	45	K						
								46518930 55219793												
							EX	55208213 46518931	2925	21.8	6	109.2	PN	45	K					
						IN	46816601	G5S2805	10.03	6.02	43			MS						
						EX	46816601	G5S2805	10.03	6.02	43			MS						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.															
FIAT AUTO DIESEL																														
Qubo 1.3 Mjet 500 1.3 Mjet Panda 1.3 Mjet Doblò 1.3 Mjet Punto Evo 1.3 Mjet Grande Punto 1.3 Mjet Idea 1.3 Mjet Eng.312B1000 312B2000 312B5000	312B1000 312B2000 312B5000	2010	1248	4		IN	55223835	2944	22.4	6	109.2	PN	45	K																
							55270167																							
							EX 55223836									2945	22.4	6	109.3	PN	45	K								
							55270169																							
FIAT INNOCENTI																														
Koral 45 Eng.146A.000	146A000	1990	903	4		IN	4265695	0220	29.0	7	95.0	CV	45	A																
							EX 4266321									0222	26.0	7	95.0	PN	45	K								
							EX 4377979																0221	26.0	7	95.5	PN	45	A	
FIAT INNOCENTI																														
Koral 55 146A4.00	128A000 138C2048 146A4000	1990	1116	4		IN	4239917	0247	36.0	8	108.5	PN	45	A																
							EX 4315062									0248	31.0	8	109.0	PN	45	A								
FIAT INNOCENTI																														
Mille 1.0 Mille Clip 1.0 Eng.146C7.000		1994	994	4		IN	4340118	0264	34.0	8	110.0	PN	45	A																
							EX 4340119									2920	29.0	8	110.5	PN	45	A								
FIAT INNOCENTI																														
Elba 1.4 Elba 1.6 Mille 1.4 i.e. Eng.160A1.046	160A1046	1993	1372 1580	4		IN	7609772	0319	37.5	8	108.5	PN	45	A																
							EX 5973128									0248	31.0	8	109.0	PN	45	A								
							EX 5973129																2710	33.5	8	109.0	PN	45	A	
FIAT INNOCENTI																														
Elba 1.3 Carb. Eng.146A5.000	146A5000	1991	1301	4		IN	4412816	2707	36.5	8	110.0	PN	45	A																
							EX 4340119									2920	29.0	8	110.5	PN	45	A								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.
FIAT INNOCENTI DIESEL															
Elba 1.7 DS Mille Clip 1.7 DS Eng.146B2.000			1697	4		IN	5990532 5990532	2694	37.4	8	116.6	PN	45	A	
						EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A	
						IN	4250803	G52606	14.06	8.02	46.5				Gh
						EX	4250803	G52606	14.06	8.02	46.5				Gh
FORD EUROPA															
Fiesta 1.0 L / GL / Ghia Fiesta 45 / 45 HIFI (30/33 KW)		1976	957	4		IN	80BM6507AC 80BM6507BC 80BM6507AB 77BM6507AB	0342	33.0	7.9	106.0	PN	45	K	
						EX	84BM6505GA 77BM6505AC	0343	29.1	7.9	105.6	PN	45	K	
						IN		G51940	12.75	7.89	54				Gh
						EX		G51940	12.75	7.89	54				Gh
FORD EUROPA															
Escort 1.1 Fiesta 1.1 (34/39/40/43 KW)		1976/83	1117	4		IN	77BM6507DB 80BM6507DC	0344	38.0	7.9	105.9	CV	45	K	
						EX	77BM6505DB 77BM6505EB	1333	29.1	7.9	106.6	PN	45	K	
						IN		G51940	12.75	7.89	54				Gh
						EX		G51940	12.75	7.89	54				Gh
FORD EUROPA															
Capri 2.8i. Granada 2.8i. / GL / GLS / L / LS / Ghia / Turnier Sierra XR4i. / XR 4x4 Capri 2.8i. Turbo Scorpio 2.8i. / GL / Ghia / 4x4 (90/99/111/118/138 KW)		1985	2792	6		IN	78TM6507AA 78TM6507BA 78TM6507CA	0354	42.0	8	105.6	CV	45	L	
						EX	78TM6505FA 78TM6505GA 78TM6505HA	1281	36.0	8	106.4	PN	45	K	
						IN		G51943	12.75	8.02	56				Gh
						EX		G51943	12.75	8.02	56				Gh
FORD EUROPA															
Orion 1.3 L / GL Escort 1.3 L / GL / Ghia (51 KW)		1980	1295	4		IN	81SM6507KF 89SM6507AA	0360	42.0	8	135.0	CV	45	K	
						EX	81SM6505AF	0361	34.0	8	131.5	PN	45	K	
						IN	81SM6510LC	G51937	13.56	8.06	65				Gh
						EX	81SM6510LC	G51937	13.56	8.06	65				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.											
FORD EUROPA																										
Escort L / GL Ghia / XR3 / XR3i Orion / L / GL / Ghia Escort - Fiesta - Orion Escort RS - Turbo Escort - Orion - Sierra Fiesta XR2i (58/59/66/71/77/81/97 KW) Courier 1.3		1980 1986 1989 1990	1295	4		IN	89SM6507AA	0360	42.0	8	135.0	CV	45	K												
							6086114																			
							81SM6507KF																			
							6172656																			
							81SM6505AG													0362	37.0	8	132.0	CV	45	K
							81SM6505BG																			
V86SF6505AA																										
89SM6505AG																										
6103818																										
81SM6510LC												G51937	13.56	8.06	65						Gh					
81SM6510LC	G51937	13.56	8.06	65						Gh																
FORD EUROPA																										
Focus 1.4 16V Fiesta 1.4 16V Eng.FHA-FHD-FHE-FXDD Zetec	FHA FHD FHE FXDD	1997	1388	4		IN	1051773	0380	28.1	6	97.4	CV	45	K												
							1069529	0381	24.1	6	99.4	PN	45	K												
							1101934																			
												G52504	12.03	6.08	36				Gh							
	G52504	12.03	6.08	36				Gh																		
FORD EUROPA																										
Mondeo 1.6 16V Escort Eng. Zetec 16V Fiesta 1.6 16V Eng.L1T-L1V	L1T L1V	1996 1997 1998	1596	4		IN	6742922	0382	26.0	6	97.1	CV	45	K												
							1041830																			
							1033898	0383	24.5	6	96.7	CV	45	K												
							1023591										1309	24.5	6	96.7	CV	45	A			
												G52504	12.03	6.08	36				Gh							
	G52504	12.03	6.08	36				Gh																		
FORD EUROPA																										
Fiesta 1.2 - 5L - 16V Eng. Zetec SE	Zetec SE	1997	1242	4		IN	97MM6507A2B	0384	26.1	6	97.7	CV	45	K												
							1051772																			
							56GC6505A2A	0385	22.1	6	99.7	CV	45	K												
							1139387																			
											G52504	12.03	6.08	36				Gh								
	G52504	12.03	6.08	36				Gh																		
FORD EUROPA																										
Fiesta 1.8i 16V Mondeo 1.8i 16V Fiesta / Orion / Mondeo Escort XR3i / CXR 16V Eng. Zeta - 16V Mondeo 2.0 / 2.0i 16V Escort 2.0 16V RS (77/96/110 KW) Congar 2.0 16V Eng. Zetec NGA Mondeo Duratec 2.0	RDA RQB RKA RKB	1991 1992	1796 1998	4		IN	1041838	0386	32.0	6	97.1	CV	45	K												
							928M6507F2A																			
							6640543	1340	32.0	6	97.1	CV	45	A												
							6640544																			
							6640548																			
							928M6507D1A																			
																				1341	28.0	6	96.7	CV	45	A
							1023593	1341	28.0	6	96.7	CV	45	A												
							928M6505D2A																			
							6640542																			
948M6505B2A																										
6911483																										
F8CZ6505AA											3501	28.0	6	96.5	CV	45	A									
1033899	0387	28.0	6	96.7	CV	45	K																			
	G52504	12.03	6.08	36														Gh								
								G52504	12.03	6.08	36				Gh											















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
FORD EUROPA																			
Focus 1.6 16V 90CV Eng. Zetec S Up to 10 - 2000 Kugar 1.6 16V 90 CV Mondeo 1.6 16V 90 CV	Zetec S	1999 2005	1596	4		IN	1053844	0390	27.0	6	98.2	CV	45	K					
						EX	1124512 1053842 1066044	0391	24.5	6	97.7	CV	45	K					

FORD EUROPA																			
Escort 940 Escort 1100 - 1100 Van Cortina MK II - MK III - MK IV Capri 1300 MK I - MK II Escort 1300. 1300 Van Escort 940 Fiesta 1.6 (27/30/34/36/40/47/49 KW)		1967/81 1981	940 1098 1298 1600	4		IN	771M6507DA 771M6507EA 771M6507GA 801M6507GA 801M6507JA	0398	36.0	7.9	111.0	CV	45	K					
						EX	711M6505GA 711M6505MA 711M6505NA 791M6505GA 791M6505JA	1343	31.5	7.9	110.5	PN	45	K					

FORD EUROPA															
Focus 1.6 16V Zetec S 1.6 (from 01-2001) 110CV Fusion 1.6 16V Zetec EFI DOHC New Focus 1.6 Ti-VCT New Focus C Max VCT Eng.HWDA-HWDB Fiesta 1.6 16V New Mondeo 1.6 16V	EFIDOHC	2004 2007	1388 1596	4		IN	1320927 1122364 1S4G6507CA	1262	30.0	6	99.0	CV	45	K	
						EX	1S6C6505BA 1113189	1263	24.1	6	101.5	CV	45	K	
						IN		G52206	11.04	6.01	40.5				Gh
						EX		G52206	11.04	6.01	40.5				Gh






FORD EUROPA																		
Fiesta 1.4 16V ENG.Zetec EFI Dohc Fusion 1.4 16V Focus II 1.4 16V ENG.ASDA	ASDA	2003	1388	4		IN	1151997 1320926	1277	28.0	6	99.4	CV	45	K				
						EX	1113189	1263	24.1	6	101.5	CV	45	K				

FORD EUROPA															
Sierra 2.0 Scorpio 2.0 Scorpio 2.0i 16V Galaxy 2.0 Eng. DOHC / DLI 2.0 - i (77/85/92 KW)	DOHC	1988 1989 1994	1993 1998	4		IN	7078139 88WM6507BA 95WM6507AA	1302	42.6	7	108.5	CV	45	K	
						EX	95WM6505AA 88WM6505EA 88WM6505DA 7078136 XC1G6505AA 1124347	1303	38.0	7	109.0	PN	45	K	
						IN	6172956	G52500	13.55	7.06	43				Gh
						EX	6172956	G52500	13.55	7.06	43				Gh











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FORD EUROPA																
Fiesta 1.4 16V Puma 1.4 16V Eng. Zetec S FHA-FHE	Zetec S FHA FHE	1996	1328	4		IN	1012749	1306	28.1	6	97.4	CV	45	A		
							EX	1012747	1307	24.1	6	99.4	PN	45	A	
								IN		G52504	12.03	6.08	36			Gh
								EX		G52504	12.03	6.08	36			Gh
FORD EUROPA																
Escort 1.6i / 16V Mondeo 1.6i / 16V Fiesta 1.6i / 16V (66 KW) Eng.L1V-L1E-L1J	L1E L1V L1J	1992 1993	1597	4		IN	928M6507C2A 6742921 928M6507C1A	1308	26.0	6	97.1	PN	45	A		
							EX	948M6505A2A 7314594 7314599	1309	24.5	6	96.7	CV	45	A	
								IN		G52504	12.03	6.08	36			Gh
								EX		G52504	12.03	6.08	36			Gh
FORD EUROPA																
Focus 1.6 16V Zetec S 1.6 (from 05/1998 to 12/2000) 110 CV			1600	4		IN	98MM6507C2B 1072048	1312	30.0	6	96.9	CV	45	K		
							EX	1101934 XS6G6505B2A	0381	24.1	6	99.4	PN	45	K	
								IN		G52504	12.03	6.08	36			Gh
								EX		G52504	12.03	6.08	36			Gh
FORD EUROPA																
New Focus 2.0 Mondeo 2.0 16V Focus C Max 2.0 16V Fiesta 2.0 16V S MAX 2.0 16V New Galaxy 2.0 New Mondeo 2.0 New Mondeo 2.3 Eng.Duratec HE Eng.CJBA-CJBB-AODA-AOWA	HE CJBA CJBB AODA AOWA	2004 2007	1999 2261	4		IN	1324132 1213175 1124377 1374186 1584022	1315	35.0	5.5	103.4	CV	45	A		
							EX	1324131 1124378 1584019	1316	30.0	5.5	104.6	PN	45	A	
								IN		G5S2775	11.05	5.53	39			MS
								EX		G5S2775	11.05	5.53	39			MS
FORD EUROPA																
Focus C Max 1.8 16V Eng.CSDA-QQDA-QQDB Mondeo III 1.8 16V Eng.CFBA-CHBA-CGBA	CFBA CHBA CGBA	2004	1798	4		IN	1324691	1317	32.5	5.5	103.4	CV	45	A		
							EX	1324690	1318	28.0	5.5	104.6	CV	45	A	
								IN		G5S2775	11.05	5.53	39			MS
								EX		G5S2775	11.05	5.53	39			MS
FORD EUROPA																
Escort XR3J 16V Escort RS 2000 16V Eng. DOHC (110 KW) Galaxy 2.3 Transit 330-350 2.3		1990 1991 1992	1993 2295	4		IN	91XM6507AC 7076363	1324	33.5	7	111.9	CV	45	K		
							EX	91XM6505AB 6576229	1325	30.0	7	111.6	PN	45	K	
								IN	6172956	G52500	13.55	7.06	43			Gh
								EX	6172956	G52500	13.55	7.06	43			Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
FORD EUROPA																
Bronco II (USA) Scorpio Mercur (USA) Scorpio 2.4i (Eng. NAAO) (96/107 KW)		1987	2933	6V		IN	86TM6507FA	1326	42.1	8	105.0	CV	45	A		
		1987/88	2934			EX	86TM6505AD	1327	36.0	8	105.0	PN	45	K		
FORD EUROPA																
Scorpio 2.4i. Eng. V.24.EAO (96 KW)		1987/89	2694	6V		IN	88TM6507AA	1328	40.0	8	105.0	CV	45	L		
						EX	88TM6505AA	1329	34.0	8	105.0	PN	45	K		
FORD EUROPA																
Fiesta / Escort / Orion Eng. OHV Fiesta VAN / Escort / Orion (40 KW) KA KA 2 1.3 Courier 1.3 Eng. HCS 1.3 Eng. J4D-JJB-A9A-A9JA	OHV HCS J4B JJB A9A A9JA	1989	1119	4		IN	6165228 89BM6507BA	1332	34.5	7	104.0	CV	45	K		
		2001	1300			EX	74TM6507AB 89BM6505CA 1038606 1653978	1331	29.0	7	104.4	PN	45	K		
FORD EUROPA																
Scorpio 2.9 24V (143 KW)		1991	2935	6V		IN	919M6507AA	1336	34.0	7	105.5	PN	45	K		
						EX	919M6505AA	1337	30.0	7	104.0	PN	45	K		
							IN	6172956	G52500	13.55	7.06	43				Gh
						EX	6172956	G52500	13.55	7.06	43				Gh	
FORD EUROPA																
Scorpio 1.8 GL / CL Sierra 1.8 GL / L / Ghia (66 KW)		1985	1796	4		IN	85HM6507FA	1338	42.0	8	112.3	PN	45	K		
						EX	85HM6505AA	1339	34.2	8	111.7	PN	45	K		
FORD EUROPA																
Capri 1.3 GT Escort / Fiesta 1.3 Cortina MK III / IV 1.3 Capri MK I / II / III 1.3 Capri MK I 1600 Cortina MK III 1600 Cortina MK II 1.6 E / GT		1967/70	1298	4		IN	711M6507LA 801M6507CA	1342	38.2	7.9	111.0	CV	45	K		
		1970/73	1599			EX	711M6505GA 791M6505JA 791M6505GA	1343	31.5	7.9	110.5	PN	45	K		
		1970/81														
							IN		G51921	11.16	7.91	60.3				Gh
						EX		G51921	11.16	7.91	60.3				Gh	







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
FORD EUROPA																		
Capri MK II 1.6 G / GT / L / S / XL / Ghia Cortina GL / GLS / L / LS / S / Ghia Escort 1.6 RS / Mexico Granada GL / L / Ghia / Turnier Taurus 1.6 GL / GLS / GT / GXL / L / LS / S / XL / Ghia Transit GL / L / LE / Ghia / Turnier Transit 1.6 E (44/46)		1970 1979 1980 1982	1576 1593	4		IN	70HM6507AE	1354	42.0	8	113.2	CV	45	K				
							EX	70HM6505AF 78HM6505BA	1355	34.2	8	112.6	PN	45	K			
						IN		G51941	12.75	8.04	53.3				Gh			
FORD EUROPA																		
Transit FT 100 Eng. OHC (64 KW)	OHC	1978	1993	4		IN	70HM6507DD	1356	42.0	8	111.2	CV	45	K				
							EX	78HM6505CA	1364	36.0	8	111.2	PN	45	K			
FORD EUROPA																		
Focus C-MAX Fiesta ENG.JQDA-JQDB	JQDA JQDB	2011 2013	1595	4		IN	1755220 1800892 BM5G6507AE	1856	30.0	5	98.8	CV	45	K				
							EX	1800711 BM5G6505BA	1857	24.9	5	99.7	PN	30	K			
FORD EUROPA																		
Focus 2.0 T 16V Galaxy 2.0 T 16V Mondeo 2.0 T 16V S-Max 2.0 T 16V Eng. 2.0 Ecobust		2010	1948	4		IN	1675266	2266	32.5	5.5	103.4	CV	45	A				
							EX	1682170 5144989	2267	28.0	5.5	104.7	PN	45	A			
FORD EUROPA DIESEL																		
Eng. 1.6i. Fiesta 1.6 D / LD Orino - Escort 1.6 LD / GLD / C / CL / CLX / Ghia (40 KW)		1984 1985	1608	4		IN	84FM6507CB 84FM6507AB 1631007 84FM6507AC 84FM6507BB	0340	34.9	8	107.3	PN	45	K				
							EX	84FM6505AC 1631002	0341	31.0	8	108.6	PN	45	K			
						IN	7402396	G52384	12.06	6.96	38				Br			
						EX	7402396	G52384	12.06	6.96	38				Br			



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.						
FORD EUROPA DIESEL																					
Escort / Fiesta / Orion 1.8 D Eng. 1.8 L Sierra 1.8 Eng. 1.8 Turbo Escort 1.8 TD Mondeo 1.8 TD (37/44/55/65 KW) Focus 1.8 TD / TDCi Eng. Lynx S MAX 1.8 TDCi NEW Galaxy 1.8 TDCi		1989 1990 1992 1998 2001 2006	1753	4		IN	6172851 1113197 89FF6507FA 1012773 6781619 6781621 93FF6507AF 89FF6507AA 89FF6507FB 1078433 93FF6507AA	0364	36.5	8	107.1	PN	45	K							
						EX	6172854 6172845 6172848 93FF6505AA 89FF6505AA 89FF6505AA 89FF6505FA	0365	32.0	8	109.2	PN	45	K							
						EX	1198044 1352129 1078429	1319	32.0	8	108.7	PN	45	K							
						IN	7402396	G52564	12.76	8.01	38				Gh						
						EX	7402396	G52564	12.76	8.01	38				Gh						
						FORD EUROPA DIESEL															
						Transit D Eng. 2.5i. (34/52 KW)		1984	2496	4		IN	894F6507A1B 1050570	0368	42.0	9	124.5	PN	30	K	
												EX	6200033 894F6505A1B	0369	36.3	9	123.9	PN	45	K	
												IN		G51993	14.74	8.98	56.5				Gh
												EX		G51993	14.74	8.98	56.5				Gh
FORD EUROPA DIESEL																					
York 144 cu. In. Transit Diesel Custom / York 216 cu. In. Eng. 2401. York - E Eng. 2402. York - E (43/46/64/68 KW)		1971 1978	2360 3540	4 6		IN	785F6507AAA	0400	44.3	9	123.8	CV	45	A							
						IN	715F6507AAD	1348	44.3	9	126.3	CV	45	A							
						EX	785F6505AAA	0401	36.3	9	124.1	CV	30	A							
						EX	715F6505AAC	1349	36.3	9	126.6	CV	30	A							
						IN		G51971	14.74	8.98	58				Gh						
						EX		G51971	14.74	8.98	58				Gh						
FORD EUROPA DIESEL																					
Granada Diesel 1.9 Eng. XD 4.88 Granada 2.1 D Eng. XD 4.90 Granada - Scorpio - Sierra D / LD / GLD / Turnier 2.3 Eng. LXD 2 (40/47/49 KW)	XD LXD2	1977 1982	1984 2112 2304	4		IN	83EM6507AA	0626	40.4	8.5	116.2	PN	30	A							
						IN	78EM6507AA	0616	40.4	8.5	116.2	PN	45	A							
						EX	78EM6505AA	0617	33.4	8.5	116.2	PN	45	A							
						IN	0220-16	G50943	14.05	8.51	55				Gh						
						EX	0220-16	G50943	14.05	8.51	55				Gh						
						FORD EUROPA DIESEL															
Sierra 2.3 D Granada 2.3 D Eng. Peugeot Granada 2.5 LD / GLD Scorpio D Eng. XD3 (51 KW)	XD3	1981 1982 1984	2304 2498	4		IN	93500418 83EM6507BB	0824	42.5	8.5	116.0	PN	45	A							
						EX	93500889 83EM6505AB	0825	35.5	8.5	116.2	PN	45	A							
						IN	0220-16	G50943	14.05	8.51	55				Gh						
						EX	0220-16	G50943	14.05	8.51	55				Gh						
						FORD EUROPA DIESEL															



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
FORD EUROPA DIESEL															
Focus C-Max Kuga Mondeo IV 2.0 TDCI Eng.RHE-RHH-DW10-TXBA-TXWA	RHE	2009	2000	4		IN	1683701	0848	27.3	6	104.5	PN	45	K	
	RHH	2010				IN	9M5Q6507AA								
	DW10C-	2013				EX	1231930	0880	24.9	6	105.0	PN	45	K	
	TED4 TXBA TXWA					EX									
FORD EUROPA DIESEL															
New Mondeo 2.0 TDCi (96-103 Kw) New Focus 2.0 16V TDCI Focus C MAX 2.0 TDCI S Max 2.0 TDCi (96-103 Kw) Kuga 2.0 TDCi 16V Eng.AZWA-QXWA-QXWB New Galaxy 2.0 TDCi (96-103 Kw) Eng.G6DA-G6DB Peugeot	G6DA G6DB	2004	1997	4		IN	1231931	0879	29.8	6	105.0	PN	45	K	
		2007				EX	1231930	0880	24.9	6	105.0	PN	45	K	
		IN				IN		G552750	10065	6.01	41.5				MS
		EX				EX		G552750	10065	6.01	41.5				MS
FORD EUROPA DIESEL															
Fiesta 1.4 TDCi Fusion 1.4 TDCi Eng. Duratorq TDCi Eng.F6JA-F6JB Peugeot	F6JA F6JB	2003	1399	4		IN	1145933	0894	32.8	5.5	97.3	CV	45	K	
						IN	1152191								
		EX	1145932	0895	30.3	5.5	97.3	PN	45	K					
		EX	1152190 1202362												
FORD EUROPA DIESEL															
New Focus 1.6 TDCI Focus C MAX 1.6 TDCI (66-80)Kw Fiesta 1.6 TDCI 16V Focus 1.8 TDCi Eng.HHJA-HHJB Peugeot	HHJA HHJB	2004	1560	4		IN	1229882	0898	25.6	5.5	96.4	CV	45	K	
		2006				EX	1229883	0899	23.4	5.5	96.6	PN	45	K	
		IN				IN		G52836	9.55	5.51	34				Gh
		EX				EX		G52836	9.55	5.51	34				Gh
FORD EUROPA DIESEL															
Transit 2.0 TD 75 CV Nuovo Transit 280-300 2.0 TD 85 CV Nuovo Transit 280-300-330-350 2.0 TD 101 CV Mondeo 2.0 Duratorque Eng.PHFA-PHFC	PHFA PHFC	2001	2000	4		IN	1121333	1271	29.7	7	122.2	PN	30	K	
						IN	1121331 1217148 1216915 1738494 BK2Q6507BB XS7Q6507A2C								
		EX	1121332	1272	25.7	7	122.2	PN	45	K					
		EX	1134466 1214456 1706990												
	IN				IN		G52944	12.06	6.98	51.5				Gh	
	EX				EX		G52944	12.06	6.98	51.5				Gh	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
FORD EUROPA DIESEL																		
Nuovo Transit 300 2.4 TD Nuovo Transit 330 2.4 TD Nuovo Transit 350 2.4 TD Nuovo Transit 430 2.4 TD Eng Duratorq (DT24N/P) Eng.F4FA-D2FA	DT24N DT24P F4FA D2FA	2001 2004	2402	4		IN	1096250	1275	31.3	7	122.2	PN	30	K				
							EX	1096248	1276	27.7	7	122.2	PN	45	K			
FORD EUROPA DIESEL																		
Everest TD 16V Ranger TD 16VMazda WL Eng.WLAA	WLAA	2009	2499 3000	4		IN	1449108 6M346507AA	1283	31.0	6	111.9	PN	45	A				
							EX	1449109 6M346505AA	1284	28.0	6	111.9	PN	45	A			
FORD EUROPA DIESEL																		
Eng. RF Mazda Econovan (53 KW)		1985	1998	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A				
							EX	RF0112121	1711	36.0	8	106.8	PN	45	A			
						IN		G5S2731	11.05	6.01	39			MS				
						EX		G5S2731	11.05	6.01	39			MS				
FORD EUROPA DIESEL																		
Ranger 2.5 TDi			2500	4		IN	3595890	1714	32.7	7	111.8	PN	45	A				
							EX	3595885	1715	35.6	7	111.8	PN	45	A			
						IN		G52930	12.05	7.02	46			Gh				
						EX		G52930	12.05	7.02	46			Gh				
FORD EUROPA DIESEL																		
Galaxy 1.9 TD (66 KW) Eng. AFN	AFN	1995	1896	4		IN	1669766	1948	36.0	8	96.9	PN	45	K				
							EX	1669772	1949	31.5	8	96.9	PN	45	K			
						IN		G51227	12.06	7.98	36.5			Br				
FORD EUROPA DIESEL																		
S-Max 2.2 TDCI 16V Mondeo 2.2 TDCI 16V Focus 2.0 Duratorq C-Max 2.0 Duratorq Kuga 2.0 Duratorq Mondeo 2.0 Duratorq Eng. DW10F Eng.Peugeot Q4AB	Q4AB DW10F	2008 2013	2000 2179	4		IN	0948E5 1451597 1871590	2258	27.2	6	95.8	PN	45	K				
							EX	0949E1 1427813 6G9Q6505AA	2259	25.0	6	95.0	CV	45	K			
						IN	0220-A2	G5S2750	10065	6.01	41.5			MS				
						EX	0220-A2	G5S2750	10065	6.01	41.5			MS				



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
FORD EUROPA DIESEL															
Fiesta 1.4 TDCI Eng.KVJA	KVJA	2010	1399	4		IN	1685847 AV6Q6507AA	2274	30.2	5.5	95.5	PN	45	K	
							EX	1685845 AV6Q6505AA	2275	27.5	5.5	95.5	PN	45	K
FORD EUROPA DIESEL															
Ka 1.3 TDCI Eng.Fiat		2007	1242	4		IN	46518930	2924	21.8	6	109.2	PN	45	K	
							EX	46518931	2925	21.8	6	109.2	PN	45	K
								46816601	G5S2805	10.03	6.02	43			MS
						EX	46816601	G5S2805	10.03	6.02	43			MS	
FORD EUROPA DIESEL															
Galaxy 1.9 TD Eng. 66 KW / 81 KW		1998	1896	4		IN	1079769	2970	36.0	7	96.9	PN	45	K	
							EX	1049788	2971	31.5	7	96.9	PN	45	K
								1037143	G52470	12.06	6.98	36.5			Br
						EX	1037143	G52470	12.06	6.98	36.5			Br	
FORD EUROPA DIESEL															
Galaxy 1.9 TDI Eng.ANU-AUY-ASZ (VW19)	ANU AUY ASZ	1995 2000	1896	4		IN	1100679	3110	36.0	7	89.9	PN	45	K	
							EX	1100678	3111	31.5	7	89.9	PN	45	K
FORD FORDSON															
Eng. 4D Thames Trader - County - Major Eng. 4d / 592E - 220 cu. in. Super Major - Thames Trader Eng. 4d / 2706E / 2712E - 240 cu. in. D / M / N Series Eng. 2711E / 2712E - 255 cu. in. DN Series Eng. 6D / 2703E / 2708E - 330 cu. in. Thames Trader - Super Ma	4D 6D	1952 1957 1965 1968 1969 1969 1980 1982	3260 3610 3960 4162 5416 5945 5948 6227	4 6		IN	81710772 EIADDN6507	0193	43.8	9.5	158.9	PN	30	L	
							IN	510E507B	1369	44.0	9.5	155.5	PN	30	L
							IN	813F6507DAA 693F6507BAA 703F6507AAA 723F6507AAA 723F6507GAA	1358	45.1	9.5	155.7	PN	30	L
							EX	723F6505ABA 81854802 EIADDN6505C	0195	39.1	9.5	156.5	PN	30	B
							EX	703F6505AAA 81596819 723F6505GAA 693F6505AAB 2701E6505A 813F6505DAA	1359	39.1	9.5	156.5	PN	30	L
								EIADDN6510A	G50303	15.91	9.53	76.5			Gh
								EIADDN6510A	G50303	15.91	9.53	76.5			Gh



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
FORD FORDSON																				
Eng. LD 250 2E / Dexta 2.0 Eng. ND2504E / Dexta 3.0 / 3600 Super Eng. 183 cu. in. Major 4000 / 4100 Eng. PD 2506E - 2512E / 201 cu. in. Major 4600 / 4000 Eng. RD 256 cu. in. Super Major 5000 Eng. 6Y 7A / 268 cu. in. Major 8600-8700	PD RD	1964 1976	2588 2868 3010 3294 4195 4395 6572	3 4 6		IN	C5NE6507A D3NN6507A 81823823 87800344	0198	45.8	9.4	145.9	PN	45	L						
						EX	C5NE6505A 81843651 D3NN6505A	0199	38.4	9.4	145.9	PN	45	LB						
						IN		G51947	12.75	9.42	78.7					Gh				
						EX		G51947	12.75	9.42	78.7					Gh				
FORD NAVISTAR																				
7.3 L DIESEL TURBO		1994. 2001				IN	F4TZ6507B 1823453C1	15238	42.6	8	147.4	PN	30	L						
						EX	F4TZ6505C 1823452C1	15239	42.6	8	147.2	PN	37	L						
FORD TRUCK LINCOLN																				
Eng.281			4600			IN	XL3Z6507AA	1868	44.5	7	120.8	CV	45	K						
						EX	3Z6505AA	1869	36.0	7	118.7	CV	45	K						
FORD TRUCK LINCOLN																				
Eng.300 CI LPG		1994 1996				IN	F5UZ6507A	5093	45.2	8.7	120.5	CV	45	B						
						EX	F4TZ6505B	5094	39.6	8.7	120.5	PN	45	B						
FORD U.S.A. BRASILE																				
Festiva		1988 1993	1300	4		IN	E8BZ6507A	2500	32.0	7	105.3	CV	45	A						
						EX	E8BZ6505A	2501	28.0	7	104.1	PN	45	A						
FORD U.S.A. BRASILE																				
Eng. AP 1.8 Berlina / Del Rey / Escort / Verona Eng. 20 VW			1800 2000	4		IN	035109601C	3048	38.0	8	98.7	PN	45	K						
						EX	035109611F 035109611F	3007	33.2	8	98.5	PN	45	K						



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
FORD USA														
Explorer 4.0 LTS	4CAD		4015	V8		IN	F87Z6507BA	1858	46.0	7	115.0	CV	45	K
							EX F87Z6505BA 4438257 595093	1859	38.9	7	114.8	CV	45	K
														










FORD USA														
Mustang GT F-150 FX2 F-150 FX4 F-150 Lariat F-150 Premium	5.0L V8 Gas 5.0L V8 Flex	2011 2012 2013 2014 2015	5000	8		IN	BR3Z6507A FR3Z6507A	4240	37.25	6	119.5	CV	45	K
							EX FR3Z6505A	4241	31.8	6	108.5	CV	45	K
							EX BR3Z6505A	4235	31	6	108.6	CV	45	K
														









FORD USA														
Expedition Explorer F-150 Flex Police Interceptor sedan Police Interceptor utility Taurus Transit 150 Transit 250 Transit 350	3.5L V6 Gas	2016 2017	3500	6		IN	AA5Z6507A	4242	37	5.5	97.7	CV	45	A
							EX AA5Z6505A	4243	31	5.5	95.35	CV	45	A
														













FORD USA														
F-250 Super Duty F-350 Super Duty	6.7L V8 Diesel	2011 2012 2013 2014	6700	8		IN	BC3Z6507A	4244	33.8	7	133.2	PN	60	K
							EX CC3Z6505B	4245	30.45	7	133.15	PN	45	K
														

G.M.C.														
GMI Metro		1989/93	1000	3		IN	1291160B20 96060053	1380	35.0	5.5	84.1	CV	45	A
							EX 96060054 1291560B70	1381	28.0	5.5	84.0	PN	45	A
														

G.M.C.														
Saturn 1.9 Dohc			1900			IN	21007038	1393	32.4	7	101.4	CV	45	A
							EX 21007037 21000637 21007154	1394	27.4	7	100.8	CV	45	A
														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
G.M.C.															
Saturn 1.9 Sohc			1900			IN	21007039	1395	39.9	7	138.8	CV	45	A	
						EX	21007040	1396	34.0	7	138.9	CV	45	A	
															
G.M.C.															
Pontiac SunFire Pontiac Grand AM Chevrolet Cavalier LS Chevrolet Malibu Saturn ION 1 Saturn Vue Eng.2.2L4		2004	2200	4		IN	12575793	2192	35.1	6	102.2	CV	45	K	
						EX	454518	2193	30.1	6	100.9	CV	45	K	
															
G.M.C.															
Tracker 2WD / 4WD Sidekick 2WD / 4WD		1989/93	1600			IN	96057952	2542	36.6	7	115.6	CV	45	A	
						EX	96067994	2543	32.5	7	114.5	CV	45	A	
															
G.M.C.															
2.2 Litre Engine 134 C.I.		1997	2200			IN	10198816	3700	43.9	7	138.8	CV	45	A	
						EX	10198817	3701	37.0	7	130.7	CV	45	A	
															
G.M.C.															
Pass 265 cu VIN W		1996 1997	4300 5700	V6 V8		IN	2114084 10241743	3702	49.2	8.7	123.9	CV	45	L	
						EX	2113234 12550909	3703	38.2	8.7	124.7	CV	45	L	
															
G.M.C.															
Eng. 395 CI Diesel	395	1994 1998	6500	V8		IN	14033927	3704	46.0	8.7	129.5	PN	45	LB	
						EX	10149663	3705	39.0	9.5	129.7	PN	45	LB	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
G.M.C.																			
Chevy Lumina Malibu Pontiac Buick		2004	3500	V6		IN	12568411 12577696	3708	44.7	8	118.9	CV	45	A					
						EX	12568412 12577697	3709	36.1	8	120.8	CV	45	A					
G.M.C.																			
C TRUCK K TRUCK HUMMER H2						IN	12617533 12590771	3710	55.0	8	123.9	CV	45	A					
						EX	12582719 12612427	3711	40.4	8	124.7	CV	45	A					
G.M.C.																			
BUICKHUMMER H3 Eng.Vortec 256C.I.	256CI	2921 3651 4200	2009	4 6		IN	12601763	4008	38.6	6	105.8	CV	45	K					
						EX	12601762	3706	33.5	6	107.9	CV	45	K					
GAZ																			
3308 3309	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B					
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B					
GINAF																			
X-Series 2219L X-Series 2220L X-Series 2221L X-Series 2222L X-Series 3232S X-Series 3238 X-Series 3329 X-Series 3331 X-Series 3335S X-Series 4241S X-Series 4243 X-Series 4449B X-Series 5250 X-Series 5460B	XE315C	1999	12580	6		IN	1603846	1848	45.5	9	163.3	PN	20	A					
						EX	1362696	1179	42.4	9	158.4	PN	45	A					
												IN	1313683	G52835	15.06	9	77		
						EX	1313683	G52835	15.06	9	77				Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
GINAF															
X-Series 5364T X-Series 5376T	MX340	2008	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A	
						EX	1678541	2291	42.5	10	168.6	PN	30	A	
															
GINAF															
C-Series 2120N C-Series 2121N C-Series 2122N C-Series 2222N C-Series 3127N C-Series 3128N C-Series 3129N C-Series 3031N	F4AE0681A F4AE0681B F4AE0681D	2003	5880	6		IN	1404919	5626	33.0	7	124.6	PN	30	A	
						EX	1404918	5627	33.0	7	124.3	PN	45	A	
															
GULERYUZ															
Cobra GD 272	BF 6M 1013 FC		7146	6		IN	4255254	1524	48.0	9	139.0	PN	30	K	
						EX	4255255	1525	42.0	9	139.0	PN	45	K	
															
GULERYUZ															
Cobra GM 220	D 0826 LOH 03 D 0826 LOH 19	2006	6871	6		IN	51041010425	1630	49.0	10	136.6	PN	30	A	
						EX	51041010410	1631	42.0	10	136.3	PN	45	A	
							IN	51032011052	G52162	16.03	10	65			
	EX	51032011053	G52163	16.03	10	55					Gh				
GULERYUZ															
Cobra GD 160 CityBus Cobra GD 272 Cobra GL9 Cobra GL 9L	D 0834 LOH 61 D 0834 LOH 51 D 0836 LOH 55 D 0836 LOH 64 D 0836 LOH 56 D 0836 LOH 65	2010	4580 6871	6		IN	51041010537	2345	37.0	7	141.5	PN	30	K	
						EX	51041010538	2346	34.0	7	141.2	PN	45	K	
															
HILLMAN															
Commer 1500 Hilman Minx Humber Sunbeam Hunter Commer Eng.4P105 Dodge Spacevan cast ironcylinder head	4P105	1961 1965 1966 1968 1972 1980	1496 1592 1725	4		IN	1218394	0422	36.5	7.9	118.5	CV	45	A	
						EX	1218383	0423	30.0	7.9	118.5	PN	45	A	
							IN		G50868	14.33	7.94	50.8			
	EX		G50869	14.33	7.94	54.8					Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
HILLMAN															
Hillman Hunter		1966	1725	4		IN	1235104	0428	38.5	7.9	118.5	CV	45	A	
Humber Spectre		1969													
Singer Gazelle / Vogue		1972													
Sunbeam Alpine / Rapier		1976													
Paykan		1980				EX	1240265 1235105	0429	30.5	7.9	118.5	PN	45	A	
Aluminium Cylinder Head															
Hillman Hunter GLS															
Sunbeam Rapier H120															
Holbay Cylinder Head						IN		G50868	14.33	7.94	50.8				Gh
(45/49/50/60 KW)						EX		G50869	14.33	7.94	54.8				Gh













HILLMAN															
Avenger 1.3		1970	1295	4		IN	25552500 71262713 25552400	3001	38.0	7.9	110.0	CV	45	A	
Avenger 1500 GIS / GT		1970	1498												
Avenger 1600 GLS / GT / TC / L / LS / SC / De Luxe / Super		1973	1598												
Sunbeam 1.6 SC / TC		1981													
(52/60/75 KW)						EX	25552800 71250985 71261358	3002	31.0	7.9	110.0	CV	45	A	













HONDA															
Acura (USA) - Legend	B20A	1985	2494	6		IN	14711PH3000	5182	33.0	6.5	104.5	CV	45	A	
Eng. C25A		1987	2765												
Acura (USA) - Legend															
Eng. C27A															
(127/132 KW)						EX	14721PH7000	5183	27.6	6.5	106.6	PN	45	A	
						IN	12204-PH7-305	G52323	12.07	6.6	47.5				Gh
						EX	12205-PH7-305	G52324	12.07	6.6	53				Gh







HONDA															
Prelude 16 V	B20A	1989	1958	4		IN	14711PH3000	5182	33.0	6.5	104.5	CV	45	A	
(98 KW)															
Eng. B20A															
						EX	14721PH3000	5611	28.0	6.5	106.0	CV	45	A	
						IN	12204-PH7-305	G52323	12.07	6.6	47.5				Gh
						EX	12205-PM7-305	G52590	12.1	6.6	50				Gh















HONDA															
Integra Type R		1998	1797	4		IN	14711P73J01	5197	33.0	5.5	101.9	CV	45	A	
						EX	14721PR3000	5823	27.9	5.5	102.3	CV	45	A	
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh
						EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh













HONDA															
Civic 1.4		1992/93	1396	4		IN	14711P07000	5583	27.4	5.5	120.0	CV	45	A	
Civic 1.5 VX V - TEC			1500												
Civic 1.5 LS			1590												
Civic 1.6 SR (dal 01/01/96) / CVT															
Accord LS						EX	14721P07000	5584	23.4	5.5	117.5	CV	45	A	
NR - V 1.6															















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
HONDA															
Civic VII 1.4 16V Jazz III 1.4 16V Eng.L13Z1	L13Z1	2008	1339	4		IN	14711RB0000	5587	28.0	5.5	118.9	CV	45	A	
						EX	14721RB0000	5588	23.0	5.5	117.6	CV	45	A	
															
HONDA															
Accord VII 2.0 16V Eng.20A3	20A3	2008	1997	4		IN	14711R60000	5589	33.0	5.5	117.8	CV	45	A	
						EX	14721P2A000	5590	26.0	5.5	116.0	CV	45	A	
															
HONDA															
Civic 1.3 / 1.5 Eng. EV - EW (59/66 KW)	EN EW	1987	1342 1488	4		IN	14711PE0660	5604	30.0	6.6	112.8	CV	45	A	
						EX	14721PE0660	5605	29.0	6.6	113.8	CV	45	A	
							IN	12204-PA6-305	G52056	12.08	6.6	50			
	EX		G52057	12.08	6.6	55				Gh					
HONDA															
Honda Civic 16V Eng. D 15 B - 16A - SOHC - DOCH	D15B	1988 1992 1994	1493 1596	4		IN	14711PM3000 14711P1KE01	5606	29.0	5.5	115.0	CV	45	A	
						EX	14721PM3000 14721P1KE01	5607	25.0	5.5	118.7	CV	45	A	
							IN	12204-PJ7-305	G52319	11.06	5.53	47.5			
	EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh					
HONDA															
Honda Acura Civic Hatchback 16V (88 KW) Eng.D16A	D16A	1988	1590	4		IN	14711PG6000	5608	30.0	6.5	105.5	CV	45	A	
						EX	14721PG6000	5609	27.0	6.5	104.5	CV	45	A	
							IN	12204-PJ7-305	G52319	11.06	5.53	47.5			
	EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh					
HONDA															
Shuttle 2.2 Aut.			2156	4		IN	14711POBA00	5610	31.9	5.5	111.8	CV	45	A	
						EX	14721PT6A00	5615	29.0	5.5	123.5	CV	45	A	
															















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.								
HONDA																							
Accord 1.8 Accord 2.0 Prelude 2.0 Accord 2.2 16V (110 KW) Eng.F18A3-F20A3-F22	F18A3 F20A3 F22	1991 1993	1950 1997 2155	4		IN	14711PT3A00	5614	34.0	5.5	112.0	CV	45	A									
							14711P45601																
							14711PV1000																
							EX	14721PV1000	5825	29.0	5.5	125.0	CV	45		A							
							EX	14721PT6A00	5615	29.0	5.5	123.5	CV	45		A							
								14721P45601															
	14721PT3A00																						
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh								
				EX		12205-PJ7-305	G52320	11.06	5.53	54					Gh								
HONDA																							
Legend 3.2 / 3.5 Acura		1997	3206 3474	V6		IN	14711PY3000	5616	33.0	5.5	114.7	CV	45	A									
							14711P5A000																
							EX	14721P5A000	5617	28.0	5.5	117.6	CV	45		A							
								14721PY3000															
																							
HONDA																							
JAZZ 1.2 DSI JAZZ 1.4 DSI Eng.L12A1-L13A1	L12A1 L13A1	2003	1246 1339	4		IN	14711PWA000	5800	32.0	5.5	118.3	CV	45	A									
							EX	14721PWA000	5801	28.0	5.5	118.0	CV	45		A							
													IN	12204-PJ7-305		G52319	11.06	5.53	47.5				Gh
				EX	12205-PJ7-305	G52320	11.06	5.53	54						Gh								
HONDA																							
Odyssey Accord Pilot Acura CL Acura TL Acura MDX Ridgeline		2006	2300	V6		IN	14711P8EA00	5802	35.0	5.5	116.0	CV	45	A									
							EX	14721P8EA00	5803	30.0	5.5	114.2	CV	45		A							
																							
HONDA																							
CRX 1.6 (up to 31/12/95) Civic Del Sol EX Civic Ex / Exs Accord 1.6 i 16V Civic 1.6 SI (up to 31/12/95) Civic 1.4 (44 KW) Eng. D 14 E 1 Civic 1.6 V - Tec (84 KW) Eng. D 16 Y 5 Civic 1.4 (66 KW) Eng. D 14 Z 2 Logo 1.3 (48 KW) Stream 1.7 (93 KW) Eng. D17A	D16W1 D16W5 D14Z6 D16V1 D17A	1998 1999 2000 2001 2003 2004 2005	1396 1590 1668	4		IN	14711P08000	5804	30.0	5.5	118.7	CV	45	A									
							14711P2A000																
							14711P1JE00																
							EX	14721P08000	5805	26.0	5.5	116.0	CV	45		A							
								14721P1JE00															
								14721P2A000															
													IN	12204-PJ7-305		G52319	11.06	5.53	47.5				Gh
											EX		12204-PJ7-305	G52319		11.06	5.53	47.5					Gh












Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
HONDA																
Stream 2.0 (115 KW) Accord 2.0 16V V-TEC Accord 2.4 16V V-TEC Straem 2.0 16V V-TEC FR-V 2.0 16V V-TEC Eng. K20A6-K20A9-K20A4	K20A4 K20A6 K20A9	2001 2003	1996	4		IN	14711PNA000	5806	35.0	5.5	109.1	CV	45	A		
						EX	14721PNA000 14721PRB000	5807	29.9	5.5	108.5	CV	45	A		
						IN		G5S2680	11.1	5.53	41.5					MS
						EX		G5S2683	11.1	5.53	45.5					MS
HONDA																
Civic 1.8 i Vtec FR-V 1.8 i 16V Vtec CR-V 2.0 i Vtec Eng.R18A2-R20A2	R18A2 R20A2	2006 2011	1799 1997	4		IN	14711RNA000	5808	32.0	5.5	116.7	CV	45	A		
						EX	14721P2A000	5805	26.0	5.5	116.0	CV	45	A		
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5					Gh
						EX	12204-PJ7-305	G52319	11.06	5.53	47.5					Gh
HONDA																
S 2000 Eng. F20C - F22C1	F20CF- 22C1	2009		4		IN	14711PCX000	5810	35.9	5.5	109.7	PN	45	A		
						EX	14721PCX000	5811	31.0	5.5	108.7	PN	45	A		
HONDA																
Accord 2.4 V-Tec Eng.K24Z3	K24Z3	2011	3254	4		IN	14711R40A00	5812	36.0	5.5	108.7	CV	45	A		
						EX	14721R40A00	5811	31.0	5.5	108.7	PN	45	A		
HONDA																
Honda Civic 16V Prelude 2.3 16V Eng.H23A1	H23A1	1988	1493	4		IN	14711PT2000	5814	34.0	6.6	103.7	CV	45	A		
						EX	14721PT2000	5815	29.0	6.6	102.7	CV	45	A		
HONDA																
Accord 1.8 i 16V Accord 2.0 i 16V Accord 2.2 V-TEC 16V Shuttle 2.3 i 16V Accord 2.3 i 16V Eng.F18B2-F20B6-F23A7	F18B2 F20B6 F23A7	1998	1850 1997	4 V6		IN	14711POA000 14711PDAE00 14711POHA00	5818	34.0	5.5	116.0	CV	45	A		
						EX	14721POHA00 14721PDAE00 14721POA000	5819	29.0	5.5	114.0	CV	45	A		
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5					Gh
						EX	12205-PJ7-305	G52320	11.06	5.53	54					Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
HONDA																		
Accord 2.2 Type R Prelude 2.2 V-TEC Eng. F22A8-H22A5	F22A8 H22A5	1993 1998	2157	4		IN	14711P13000	5820	35.0	5.5	106.7	CV	45	A				
						EX	14721P13000	5821	30.0	5.5	106.9	CV	45	A				
							IN	12204-P13-305	G52598	12.1	5.53	43.5						
					EX	12205-P13-305	G52599	12.1	5.53	52					Gh			
HONDA																		
Civic 1.6 V Tec. Dach 16V CRX 1.6 V Ti 16V Civic 1.8 Vti Eng. B16A2	B16A2	1992 1998	1590 1797	4		IN	14711PR3000	5822	33.0	5.5	102.3	CV	45	A				
						EX	14721PR3000	5823	27.9	5.5	102.3	CV	45	A				
							IN	12204-PJ7-305	G52319	11.06	5.53	47.5						
					EX	12205-PJ7-305	G52320	11.06	5.53	54					Gh			
HONDA																		
CR - V 2.0 Eng. B20B	B20B	1998	1973	4		IN	14711P75000 14711P75A00	5824	31.1	6.5	105.6	CV	45	A				
						EX	14721P75000 14721P75A00	5611	28.0	6.5	106.0	CV	45	A				
							IN	12204-PM7-305	G52589	12.1	6.6	45						
					EX	12205-PM7-305	G52590	12.1	6.6	50					Gh			
HONDA																		
NSX 3.2		1997	3179	V6		IN	14711PBY500	5826	36.0	5.5	112.4	CV	45	A				
						EX	14721PR7A00	5827	30.0	5.5	111.6	CV	45	A				
																		
HONDA DIESEL																		
Civic 2.0 TD Accord 2.0 Tdi 16V Eng. 20T2N	20T2N	1999	1994	4		IN	14711P5TG01	0674	37.2	7	86.7	PN	45	A				
						EX	14721P5TG01	0675	32.5	7	86.7	PN	45	A				
							IN		G52627	12.04	6.95	28						
					EX		G52627	12.04	6.95	28					Gh			
HONDA DIESEL																		
Civic 1.7 CTDI 16V Eng. 4EEZ	4EEZ	2003	1686	4		IN	14711PLZD00	2186	27.4	6	98.5	PN	45	A				
						EX	14721PLZD00	2187	26.5	6	98.1	PN	45	A				
																		









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
HONDA DIESEL															
Accord 2.2 CDTi CR-V CDTi 16V Civic 2.2 CDTi FR-V 2.2 CDTi Eng.N22A1-N22A2		2004 2006 2011	2204	4		IN	14711RBDE00	5618	28.1	5.5	100.7	PN	45	A	
						EX	14721RBDE00	5586	26.0	5.5	100.4	PN	45	A	
															
HONDA DIESEL															
Accord 2.2 i DTEC CR-V 2.2 i DTEC Eng.N22B1-N22B3	N22B1 N22B3	2011	2199	4		IN	14711RLOG00	5850	27.9	5.5	98.9	PN	45	A	
						EX	14721RLOG50	5851	26.0	5.5	98.9	PN	45	A	
															
HONDA MOTORCYCLE															
GC 125			125	1		IN	14711383000	5554	28.9	5.5	93.4	CV	45	A	
						EX	14721383000	5555	23.8	5.5	92.9	CV	45	A	
															
HOWO															
WD615		2005	9726	6		IN	61560050042	4402	55.0	11	159.1	PN	35	A	
						EX	61560050041	4403	50.0	11	159.2	PN	45	A	
															
HYUNDAI															
Pony (Eng. G36) Pony Stellar (Eng. 4G33) Stellar (Eng. G32B) (41/50/55/59/68/74 KW)		1974 1977 1983	1238 1439 1594	4		IN	MD000480	1422	38.0	8	106.0	PN	45	B	
						EX	MD000481	1423	31.0	8	102.5	PN	45	B	
															
HYUNDAI															
Execel 1.3 Pony 1.3 (Eng. G 13B) Pony 1.5 GLS (Eng. G15) (50/53 KW)	G4AJ	1985	1299 1468	4		IN	MD016460 2221121010	1428	34.0	6.6	102.1	CV	45	A	
						EX	MD016461 2221221004 2221221304	1429	30.0	6.6	100.9	CV	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
HYUNDAI																
Lantra 1.6 16V	G4JP	2001	1599	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A		
Lantra 1.8 16V	G4CS	2003	1795													
Sonica 2.0 16V	G4DR		1997													
Trajjet 2.0 16V																
Santa Fè 2.4 16V						EX	2221233000	1443	30.5	6.5	109.7	CV	45	A		
Sonata 2.0																
Sonata 2.4																
Lantra 2.0 16V																
H 1 2.4 i 16V																
Eng.G4JP-G4CS-G4DR																
HYUNDAI																
i 10 1.1 12V	G4HG	2008	1086	4		IN	2221102200	2514	23.5	5.5	99.6	CV	45	A		
Eng. G4HG																
							EX	2221202200	2515	27.0	5.5	98.9	CV	45	A	
						IN	22114-02500	G5S2723	10.05	5.41	47				MS	
						EX	22115-02500	G5S2719	10.05	5.5	48				MS	
HYUNDAI																
Picanto 1.0 12V	G3LA	2011	998	3		IN	2221104000	3188	26.8	5.5	92.9	CV	45	A		
Eng.G3LA																
							EX	2221204000	3189	24.1	5.5	93.4	CV	45	A	
																
HYUNDAI																
I 10 1.2 16V	L2K	2011	1200	4		IN	2221103000	3190	26.8	5.5	101.0	CV	45	A		
i 20 1.2 16V	G4LA							2221103201								
Eng.L2K-G4LA																
						EX	2221203000	3191	24.5	5.5	101.1	CV	45	A		
							2221203201									
																
HYUNDAI																
Atos 1.0 12Coupè	G4HC	1999	999	4		IN	2221102510	3200	23.0	5.4	100.3	CV	45	A		
Atos Prime 1.1 12V		2004	1086					2221102500								
Getz 1.1 12V																
Eng.G4HC						EX	2221202500	3201	27.1	5.4	100.1	CV	45	A		
						IN		G5S2723	10.05	5.41	47				MS	
HYUNDAI																
Elantra 1.6 16V	G4EE	2001	1599	4		IN	2221126600	3209	29.1	6	91.9	CV	45	A		
Coupé 1.6 16V (79 KW)		2003														
Getz 1.6 16V																
Matrix 1.6 16V						EX	2221226000	3210	25.0	6	92.4	CV	45	A		
Eng.G4ED-G4EE																
						IN	22114-26000	G5S2783	11.06	6.01	36.5				MS	
						EX	22115-26000	G5S2734	11.06	6.01	41				MS	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
HYUNDAI															
Lantra 1.6 16V	G4JP	2002	1975	4		IN	2221123600	3211	32.0	6	114.4	CV	45	A	
Lantra 1.8 16V	G4CS	2003	1795												
Sonica 2.0 16V	G4DR	2004													
Trajjet 2.0 16V		2006													
Santa Fè 2.4 16V						EX	2221223600	3212	27.5	6	116.6	CV	45	A	
Sonata 2.0															
Sonata 2.4															
Lantra 2.0 16V						IN	22114-23901	G5S2725	11105	6.01	39				MS
Elantra 2.0						EX	22114-23901	G5S2733	11.1	6.01	44.5				MS
Tucson 2.0															
HYUNDAI															
Coupè	G4DG	up to 2000	1600	4		IN	2221123100	3213	30.0	6	102.9	CV	45	A	
Lantra															
Eng.G4DG															
						EX	2221223100	3214	25.5	6	105.3	CV	45	A	
															
HYUNDAI															
i 20 1.4	G4FA	2007	1396	4		IN	222112B000	3215	31.5	5.5	93.2	PN	45	A	
i 30 1.4 16V	G4FC		1591												
i 30 1.6 16V	G4FD														
Accent IV 1.4															
Accent IV 1.6															
Tucson 1.6 Gdi															
Solaris IV 1.4															
						IN	22114-2B000	G5S2924	10.05	5.53	40.5				MS
						EX	22114-2B000	G5S2924	10.05	5.53	40.5				MS
HYUNDAI															
Coupè	G4GC	1999	1975	4		IN	2221123000	3217	32.0	6	102.3	CV	45	A	
Lantra 2.0 16V															
Eng.G4GC															
						EX	2221223000	3218	27.5	6	104.7	PN	45	A	
						IN	22114-23901	G5S2725	11105	6.01	39				MS
						EX	22114-23901	G5S2733	11.1	6.01	44.5				MS
HYUNDAI															
Trajjet 2.7 i V6 24V	G6B4	1999	2493	V6		IN	2221137201	3219	32.0	6	96.2	PN	45	A	
Sonica 2.5 V6		2001													
Sonica 2.7 V6 24V															
Santa Fé 2.7 V6															
Tucson 2.7 V6 24V															
Coupè 2.7 V6 24V															
Eng.G6BA															
						EX	21237200	3220	27.5	6	97.3	PN	45	A	
						IN	22114-23000	G5S2731	11.05	6.01	39				MS
						EX	22115-02500	G5S2735	11.1	6.01	43				MS
HYUNDAI															
Sonata 2.0 16V	G4KD	2008	1998	4		IN	222112G000	3986	35.0	5.5	113.2	CV	45	A	
ix 2.0 16V		2010													
Eng.G4KD															
						EX	2221225002	3987	29.0	5.5	105.8	CV	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.				
HYUNDAI																		
Accent 1.3 12V Accent 1.5 12V Lantra 1.5 12V Getz 1.3 12V Eng.G4EA-G4EB-G4EH-G4EK	G4N G4EK	2003	1341 1495	4		IN	2221122003	5520	27.4	6	99.0	PN	45	A				
							EX	2221222011	5521	32.0	6	98.4	CV	45	A			
HYUNDAI																		
Scoupe 1.5 L / GT Eng.G4K-G4EB	G4K G4EB	1994 1999	1495	4		IN	2221122003	5520	27.4	6	99.0	PN	45	A				
							EX	2221222004	3198	32.0	6	99.2	CV	45	A			
HYUNDAI DIESEL																		
Lantra 1.9 D Elantra 1.9 D Eng.XUD9AY/L3 Peugeot	XUD9	1999	1905	4		IN	2221129000	0816	38.5	8	112.5	PN	45	A				
							EX	2221229000	0821	33.0	8	112.0	PN	45	A			
HYUNDAI DIESEL																		
H - 1 2.5 TD Eng. 4 BF Mitsubishi Porter 2.5 D Eng.D4BA-D4BX	D4BA D4BX	1999	2476	4		IN	2221142850	1440	40.0	8	136.5	PN	45	A				
							IN	2221142200	3204	42.0	8	136.0	PN	45	A			
							EX	21242200	3205	36.0	8	136.2	PN	45	A			
							EX	2221242850	1441	34.0	8	136.5	PN	45	A			
								IN	22114-42520	G52170	13.11	8	71				Gh	
							EX	22115-42520	G52171	13.11	8	74					Gh	
HYUNDAI DIESEL																		
H 100 2.5 D/TD Galopper 2.5 TD Galopper 2.0 Tdi Terracan 2.9 CRDi Eng.D4BA-D4BB-D4BF-D4BH-D4BX Eng. Mitsubishi	D4BA D4BB D4BF D4BH D4BX	1999 2001 2003	2477 2902	4		IN	2221142520	1599	40.1	8	130.0	PN	45	A				
							EX	21242520	1600	34.0	8	129.7	PN	45	A			
								IN	22114-42000	G52746	13.07	8	71				Gh	
							EX	22115-42000	G52748	13.07	8	74					Gh	
HYUNDAI DIESEL																		
Terracan 2.9 CRDi Eng.J3TCi	J3TCi	2001	2902	4		IN	OK55112111A	2474	34.0	7	126.2	CV	45	A				
							EX	OK55112121A	2475	31.6	7	126.0	PN	45	A			
								IN	22114-42000	G52746	13.07	8	71				Gh	
							EX	22115-42000	G52748	13.07	8	74					Gh	
HYUNDAI DIESEL																		
TUCSON 2.2 CRDi IX35 2.2 CRDi ENG.D4HA - D4HB	D4HA D4HB	2009 2010	1995 2199	4		IN	222112F000	3192	29.0	6	108.3	PN	45	K				
							EX	222122F001	3193	26.0	6	108.2	PN	45	K			
																		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
HYUNDAI DIESEL															
Trajjet 2.0 CRDI (82 KW)	D3EA	2000	2168	4		IN	2221127001	3221	28.5	6	95.7	PN	45	A	
Santa Fe 2.0 CRDi	D4EA	2002	1991	3		EX	2221227000								
Matrix 1.5 CRDi		2004	1493												
Accent 1.5 CRDi		2006					2221227000	3222	24.4	6	95.4	PN	45	A	
Elantra 2.0 Crdi		2007				2221227001									
Tucson 2.0 Crdi															
Santa Fe 2.2 Crdi															
I 30 2.0 CRDI 16V						IN	22114-27000	G5S2720	11.05	6.01	36.6				MS
Eng.D3EA-D4EA						EX	22114-27000								G5S2720
HYUNDAI DIESEL															
Accent 1.5 CRDI 16V	D3FA	2005	1120	3		IN	222112A100	3223	26.1	5.5	93.1	PN	45	K	
Getz 1.5 CRDI 16V	D4FA	2004	1396	4											
Verna 1.5 CRDI 16V	D4FB	2007	1493												
Matrix 1.5 CRDI 16V	D4FC	2008	1582												
i 10 1.1 CRDI 12V	D4FD	2009	1685			EX	222122A100	3224	21.0	5.5	93.7	PN	45	K	
i 20-ix20 1.4 CRDI		2010													
i 30 1.4 CRDI		2011													
i 20 1.6 CRDI 16V						IN	22114-2A000	G5S2890	11.05	5.5	31.5				MS
i 30 1.6 CRDI 16V						EX	22115-2A000								G5S2891
i 40 1.7 CRDI 16V															
ix 35 1.7 CRDI 16V															
Eng.D3FA-D4FA-D4FB-D4FC-D4FD															
HYUNDAI DIESEL															
H1 2.5 TDI	D4CB	2006	2497	4		IN	222114A061	3225	31.7	7	110.5	PN	45	K	
H 200 2.5 CRDI 16V		2008													
Eng.D4CB															
						EX	2124A061	3226	28.0	7	110.5	PN	45	K	
						IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS
						EX	22114-4A000								G5S2848
HYUNDAI DIESEL															
H100	D4FB	2004		4		IN	2221142861	3229	40.0	8	132.5	PN	45	A	
Eng. D4FB															
						EX	21242861	3230	34.0	8	132.4	PN	45	A	
HYUNDAI DIESEL															
H-100	D4BA			4		IN	2221142220	3707	42.0	8	132.2	PN	45	A	
Porter D4BA - D4BB	D4BB														
						EX	21242220	3228	36.0	8	132.0	PN	45	A	
INTERNATIONAL HARVESTER															
Eng. Perkins 6354		1963	5800	6		IN	795730R1	0587	44.2	9.5	122.8	PN	45	A	
1600. 1700. 1800. 1603. 1703. 1803. 1890 4x4															
173 / 183 FC - CO 1600 / 1800															
F 1700 / 1800 - M 1600 / 1700						EX	795729R1	0588	36.6	9.5	123.3	PN	45	A	
MC 1600 / 1700 (72 KW)															
						IN	796122R1	G50934	15.92	9.52	58				Gh
						EX									G50935













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
INTERNATIONAL HARVESTER															
Eng. D 179 Eng. D 239 - TD 239 Turbo Eng. D 358 - TD 358 Turbo (28/47/62/63/85/100/102 KW)		1965 1965 1972	2933 3910 5860	3 4 6		IN	3055055R2 3055055R1	1478	42.9	10	146.0	PN	45	A	
						EX	3055056R1 3055056R2	1479	40.9	10	146.0	PN	45	A	
						IN	3055022R1	G50873	16.05	10.02	79				Gh
						EX	3055022R1	G50873	16.05	10.02	79				Gh
INTERNATIONAL HARVESTER															
Eng. DI 575		1993		4		IN		3353	38.4	8.7	134.5	PN	45	A	
						EX		3357	35.8	8.7	134.5	PN	45	A	
						IN		G50164	15.03	8.02	40.5				Gh
						EX		G50164	15.03	8.02	40.5				Gh
INTERNATIONAL HARVESTER															
Eng. D 414 Eng. DT 414 Turbo Eng. D 436 Eng. DT 436 Turbo Eng. D 466 Eng. DT / DTI 466 Turbo		1972		6		IN	675046C4 675046C2	5144	50.1	9.5	147.0	PN	30	L	
						EX	676865C4 676865C2	5145	40.6	9.5	147.0	PN	45	L	
						IN									
						EX									
INTERNATIONAL HARVESTER															
Eng. DT466-DT530	DT466 DT530					IN	1818580C1	15402	50.0	8	147.1	PN	30	B	
						EX	1824838C1	15403	45.4	8	152.3	PN	45	A	
						IN									
						EX									
INTERNATIONAL HARVESTER															
Navistar DT 408 DT 466 - 466E DT 530 - 530E		1993		6		IN	1823875C2	15502	45.4	9.44	152.2	PN	30	A	
						EX	1824840C1	15503	45.4	9.42	152.3	PN	45	A	
						IN									
						EX									
INTERNATIONAL HARVESTER															
Navistar Eng. 466	466					IN	1839968C1	15504	39.8	7.9	147.9	PN	30	A	
						EX	1842145C2	15505	36.5	7.9	147.6	PN	45	A	
						IN									
						EX									










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
INTERNATIONAL HARVESTER																
Navistar 6.4l			6400	8		IN	8C3Z6507A	15506	34.0	7	130.4	PN	37	A		
						EX	8C3Z6505A	15507	29.5	7	130.5	CV	40	A		
																
ISUZU																
Aska 2.0 Floria 2.0 Eng. 4ZC1 (81 KW)	4ZC1	1983	1994	4		IN	8941539690 8942512750	1104	42.4	8	110.6	CV	45	B		
						EX	8944410740 8971197510 8942514400 8942512760	1105	36.0	8	110.2	CV	45	B		
							IN	8-942067620	G51697	12.05	7.99	45.9				Gh
						EX	8-942067630	G51698	12.05	7.99	55				Gh	
ISUZU																
Bellet / FASTER Floria / Gemini / Uni Cab / Journey S / Elf 150 / Light Elf 1600 - Eng. G 161 Florian / 117 Coupé / Gemini / Luv Truck / I. Mark 1800 - Eng 180 Z Piazza / 117 Coupé / Trooper 4x4 / Impulse Eng. 200 Z (65/74/81 KW) LUV Eng: 4ZA1	161G 180Z 200Z 4ZA1	1980 1981	1584 1817 1949	4		IN	8942171780	1116	40.3	8	110.5	CV	45	B		
						EX	8942171790	1117	34.0	8	109.3	CV	45	B		
																
ISUZU																
KB 2.2 KB 2.2 4WD Rodeo 2.2	X22SE	1997	2198	4		IN	641022	2170	32.0	6	102.1	PN	45	K		
						EX	641325	2171	29.0	6	92.2	PN	45	K		
																
ISUZU																
Eng. 2S	2S			4		IN	8942519770	2619	36.0	7	105.1	CV	45	A		
						EX	8942519780	2627	31.0	7	105.1	PN	45	A		
																
ISUZU																
D1 Eng:2HC	2HC	1995		6		IN	8970274992	3902	34.0	6	114.0	CV	45	A		
						EX	8970141741	3903	30.0	6	99.4	CV	45	A		
																






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
ISUZU															
NPR Eng.4HE1 TC	4HE1		4751	4		IN	8970338642 8970338641	3904	49.9	9	140.9	PN	45	A	
						EX	8972195092 8971891140	3905	42.0	9	140.2	PN	45	A	
															
ISUZU															
NNR F- EVOLUTION NNR N- EVOLUTION Eng. 4HK1	4HK1			4		IN	8943958822	3906	37.0	8	130.6	PN	30	A	
						EX	8972098763	3907	37.0	8	130.2	PN	45	A	
															
ISUZU															
NNR F-EVOLUTION Eng.4JJ1 NMR F-EVOLUTION NLS F-EVOLUTION NLR F-EVOLUTION N-EVOLUTION D-MAX Colorado Rodeo	4JJ1 4JK1			4		IN	8980169730 8973096751	3908	33.0	7	107.5	PN	45	A	
						EX	8980169741 8973096771	3909	30.0	7	107.5	PN	45	A	
															
ISUZU DIESEL															
Eng. 4EC1 Chevrolet spectrum USA Gemini D Eng. T4 EC1 Turbo Gemini TD (38/49 KW)	4EC1 T4EC1	1984 1988	1488	4		IN	8943268430	2172	34.6	7	104.1	PN	45	A	
						EX	8941100173 8941150592	2173	30.6	7	104.0	PN	45	A	
							IN	642005	G52058	11.54	7.02	43			
	EX	642005	G52058	11.54	7.02	43					Gh				
ISUZU DIESEL															
Journey S - Fester Rodeo Florian SII - Elf 150 Eng. C 190 (40 KW)	C190	1971/79	1951	4		IN	9125518020	2582	38.0	8	116.0	CV	45	A	
						EX	5125520260	2583	32.0	8	116.0	PN	45	A	
							IN	94029-347	G52149	14.03	8	50.3			
	EX	94029-347	G52149	14.03	8	50.3					Gh				
ISUZU DIESEL															
Trooper 3.0 TD 16V Eng KJX1 (117 KW)	KJX1	2001	3000	4		IN	8971371540	2588	33.0	7	98.2	PN	45	A	
						EX	8971371551	2589	33.0	7	98.1	PN	45	A	
															








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
ISUZU DIESEL														
Trooper 3.2 V6 24V Eng6VD1	6VD1	1998	3165	V6		IN	641049 8971319610	2621	34.0	6	103.8	CV	45	A
						EX	641360 8971319620	2622	28.9	6	103.4	CV	45	A
														
ISUZU DIESEL														
Rodeo S		1995				IN	8970155462	2623	33.9	6	99.1	CV	45	A
						EX	8970155471	2624	30.0	6	105.5	CV	45	A
														
ISUZU DIESEL														
Eng. 4JB1 - T Turbo Trooper (74 kW)	4JB1	1988/90	2772	4		IN	9944649210 8944649212	3910	40.1	8	118.1	PN	45	A
						EX	8944332450 8982773830	5101	35.7	8	118.0	PN	45	A
							IN	94029-347	G52149	14.03	8	50.3		
	EX	94029-347	G52149	14.03	8	50.3			Gh					
ISUZU DIESEL														
Pick-Up 3.1 TD Eng. 4JGZ D-MAX Eng.4JA1-4JH1	4JGZ 4JA1 4JH1	2001 2008	3100	4		IN	8971317290	5100	42.1	8	117.6	PN	45	A
						EX	89704386H 8970438612	5101	35.7	8	118.0	PN	45	A
														
JAGUAR														
XK8 4.0 XJ8 4.0 S-TYPE 4.2 XF 4.2 X 150		2002 2009	3500 4000 4200	V8		IN	AJ810945	9544	34.9	5	101.5	CV	45	A
						EX	NCA2532AA	9545	30.9	5	101.3	PN	45	A
														
JAGUAR														
2.4 MK II Eng.BG1001 XK150 3.4 MKII/S XJ6 4.2 MKX 420 G	BG1001	1961 1969	2482 3442 4235	6 8		IN	EAC1547	9547	44.5	7.8	105.4	CV	45	A
						EX	EAC1548	9548	41.3	7.8	103.6	CV	45	A
														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
JAGUAR															
Jaguar X Type 3.0 Jaguar S Type Jaguar XF. Xj Eng AJ30	AJ30	2002 2010	2967	v6		IN	XR822776	9549	35.0	5.5	92.5	CV	45	A	
						EX	AJ810106	9550	30.0	5.5	91.7	CV	45	A	
JAGUAR DIESEL															
XF 2.2 TD Eng.224DT	224DT	2012	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K	
						EX	0949E1	2259	25.0	6	95.0	CV	45	K	
						IN	0220-A2	G552750	10065	6.01	41.5				MS
						EX	0220-A2	G552750	10065	6.01	41.5				MS
JEEP															
441 - 442 4/60 DJ3A DJ6a FC150	134 F	1971	2200	4		IN	637182	0430	39	9.4	147.7	PN	45	B	
						EX	637183	0431	37.3	9.4	147.7	PN	45	B	
						IN		G50451	16.7	9.51	70				Gh
						EX		G50452	16.7	9.51	78.5				Gh
JEEP															
Grand Cherokee Eng.HG-HB-LE-LX	HG HB LE LX	2008	5700	8		IN	53021550AA	4212	50.8	8	125.2	CV	45	K	
						EX	53021551AB 53021551AA	4213	39.4	8	123.1	CV	45	K	
JEEP															
Compass 2.0 Compass 2.4 Patriot 2.4 Eng ECN-ERZ-ED3	ECN ERZ ED3	2009	1998 2360	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A	
						EX	0949E7	4225	29.0	5.5	105.8	CV	45	A	
JEEP															
Cherokee 4.0			4000	6		IN	33003515R	4250	48.8	7.9	124.5	CV	45	A	
						EX	33003860R	4251	38.1	8	125.0	CV	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.
JEEP															
Grand Cherokee 4.7 V8		2000	4700	6		IN	53020747AB	4252	48.7	7	113.8	CV	45	K	
						EX	53020748	4253	37.0	7	115.4	CV	45	K	
															
JEEP															
Wrangler 2.5 Wrangler 4.0 (87/130 KW)			2464 2960	4 6		IN	53010512AA	4256	48.5	8	124.7	CV	45	K	
						EX	53010513AA	4257	38.0	8	125.5	CV	45	K	
															
JEEP DIESEL															
Cheerokee 2.1 TD Eng.Renault J8S708	J8S708	1986	2068	4		IN	7701462232	0630	40.3	8	111.6	PN	45	A	
						EX	7701461339	0631	33.3	8	111.6	PN	45	A	
															
JEEP DIESEL															
Grand Cherokee 2.7 CRD Eng.Mercedes OM612	OM612	2003	2685	5		IN	05073735AA	2792	30.1	7	104.0	PN	45	A	
						EX	05073737AA 05073738AA	2793	28.4	7	104.4	PN	45	A	
							IN	05080044AB	G5S2681	12.56	7	37.5			
	EX	05080044AB	G5S2681	12.56	7	37.5					MS				
JEEP DIESEL															
Compass 2.0 CRD Patriot 2.0 CRDI 16V Eng.VW Eng. ECD	ECD	2006	1968	4		IN	68001582AA	3120	29.1	6	87.8	PN	45	K	
						EX	68001583AA	3121	25.4	6	87.5	PN	45	K	
															
JEEP DIESEL															
Cherokee 2.8 CRD		2003	2776	4		IN	05066770AA	4216	32.4	6	109.0	PN	45	K	
						EX	05066769AA	4217	30.9	6	108.3	PN	45	K	
							IN	5066773AA	G5S2902	11.03	6.01	44.5			
	EX	5066773AA	G5S2902	11.03	6.01	44.5					MS				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
JEEP DIESEL															
Grand Cherokee 3.0 CRD Eng.Mercedes OM642.982	OM642 OM982	2005	3000	V6		IN	05175396AA	4218	28.5	6	102.3	PN	45	K	
						EX	05175397AA	4219	25.4	6	102.3	PN	45	K	
						IN		G552816	11.56	6	34.4				MS
						EX		G552816	11.56	6	34.4				MS
JEEP DIESEL															
WRANGLER 2.8 CRD Eng.ENS	ENS	2006 2008	2777	4		IN	68027469AA	4220	31.8	6	107.6	PN	45	K	
						EX	68027470AA	4221	29.2	6	107.8	PN	45	K	
						IN	5066773AA	G552902	11.03	6.01	44.5				MS
						EX	5066773AA	G552902	11.03	6.01	44.5				MS
JENBACHER															
Serie 2 Eng.J208 GS 16V Serie 3 Eng.J312 GS 24V Eng.J316 GS 32V Eng.J320 GS 40V	J208 GS J312 GS J316 GS J320 GS	1974 1988	16600 29200 38900 48700	8 12 16 20		IN	375631	5900	54.9	12	181.4	PN	30	A	
						EX	5630T00	5901	50.95	12	181.3	PN	20	A	
						IN									
						EX									
JENBACHER															
Serie 4 Eng.J412 GS 48V Eng.J416 GS 64V Eng.J420 GS 80V	J412 GS J416 GS J420 GS	2002	36720 48960 61200	12 16 20		IN	414487170	5902	49.0	12	217.6	PN	30	A	
						EX	369443T110	5903	48.0	12	217.5	PN	20	A	
						IN									
						EX									
JENBACHER															
Serie 6 Eng.J612 GS 48V Eng.J616 GS 64V Eng.J620 GS 80V Eng.J624 GS 96V	J612 GS J616 GS J620 GS J624 GS		74900 99800 124800 149700	12 16 20 24		IN	334781	5904	62.9	12.9	217.3	PN	30	A	
						EX	334782	5905	63	12.9	238.1	PN	30	A	
						IN									
						EX									
JOHN DEERE															
Marine Engine Eng. 6.068	6068	2007	6800	6		IN	R518806	3300	37.0	7	135.7	PN	30	AP	
						EX	R524875	3301	35.9	7	135.5	PN	30	AP	
						IN									
						EX									
JOHN DEERE															
Power tech 9000 660 UTS 8000 225 R			9000	6		IN	R520223	3304	40.0	8	162.4	PN	30	A	
						EX	R520224	3305	40.0	8	162.4	PN	30	A	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
JOHN DEERE														
Series 9000-7700-7800 Eng.6.125	6125	2007	12500	6		IN	R122035 R516892	3306	46.5	9	196.0	PN	30	A
						EX	R122035 R516892	3306	46.5	9	196.0	PN	30	A
JOHN DEERE														
Industrial Generator Eng. 4.024 Eng. 5.030	4024 5030	2007	2400 3000	4 5		IN	R502454	3308	37.0	7	123.6	PN	30	A
						EX	R502455	3309	34.0	7	122.0	PN	30	A
JOHN DEERE														
6 - 531 A/T (not for use in 6.531 D)						IN	R90602	3310	51.6	11	168.7	PN	30	B
						EX	R90601	3311	47.6	11	168.0	PN	45	B
JOHN DEERE														
All 300 Series Engines Cubic inch designated						IN	R79630 R79629 R79628 R79623	5069	45.0	9.44	131.0	PN	45	I
						IN	R89224 R89222 R89223 R83071	5045	46.3	9.44	131.2	PN	30	I
						EX	R89227	5046	40.0	9.44	131.0	PN	30	I
						EX	R79625 R79626 R79627 R79624	5070	40.0	9.44	131.0	PN	45	I
JOHN DEERE														
4 - 270 (280.001 >) 6 - 404 D (215.000 >) 6 - 404 T / AC (> 245.546) 6 - 466 D						IN	R45004 R45005 R45003 R43883	5071	48.3	9.44	156.1	CV	45	I
						EX	R43787 R43788 R43789 R43679	5075	43.5	9.44	155.9	CV	45	B

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
JOHN DEERE																
6 - 404 T / A (245.547 - 335.845)						IN	R43914	5072	44.5	9.44	155.7	PN	30	I		
						EX	R43789 R43679 R43787 R43788	5075	43.5	9.44	155.9	CV	45	B		
JOHN DEERE																
6 - 404 T / A (335.846) 6 - 466 T / A						IN	R50358 R55055 R55057 R55059	5073	43.5	9.44	157.2	CV	30	I		
						EX	R55056 R55058 R50357 R55060	5074	43.6	9.44	157.8	CV	30	B		
JOHN DEERE																
6 - 619						IN	R75690	5077	51.6	11	169.1	PN	30	B		
						EX	R63982	5078	47.6	11	168.0	PN	45	B		
JOHN DEERE																
4 - 270 (157.002 - 280.000) 6 - 404 D (82.802 - 214.999)						IN	R44174	7011	48.3	9.44	148.6	PN	45	H		
						EX	R44175	7019	43.6	9.44	158.0	PN	45	H		
JOHN DEERE																
4039 D / T / A 4045 D / T / A 6059 D / T / A 6068 D / T / A						IN	R98062 R97490	7012	46.5	8	134.1	PN	30	A		
						EX	R97492 R90692	7014	42.5	8	133.5	PN	30	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
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JOHN DEERE

6076T/A/H						IN	R84618	7015	51.0	9.44	153.9	CV	30	B	
							R93308								
							R93312								
							EX	R84619	7016	47.0	9.44	157.0	CV	30	
R93313															
R93311															

JOHN DEERE

4 - 270 (> 157.001) 6 - 404 D (> 82.801)						IN	R26124	7017	45.2	9.44	159.0	PN	45	H	
							EX	R26123	7018	40.4	9.44	159.7	PN	45	

K.H.D.








Eng. F1L 514 / 62 F / A 2L 514 F / A 3L 514 F / A 4L 514 F / 6L 613 F / A 6L 514 / 614 F / A 8L 614 A 12L 612		1957	1330	1		IN	3369307	0173	44.6	12	170.0	PN	45	F		
								2660	0174	41.6	12	170.0	PN	45		F
								3990								
								5322								
						IN	3365788	G50126	18.03	12	75				Gh	
						EX	3365788									G50126


K.H.D.


Eng. F1L 514 Eng. F / A 2L 514 Eng. F / A 3L 514 Eng. F / A 4L 514 Eng. F / 6L 513 Eng. F / A 6L 514 / 614 Eng. F / A 6L 714 Eng. F / A 8L 614 Eng. F / A 8L 714 Eng. A 12L 612 Eng. 714 Turbo Eng. F / A 12L 714 Eng. BF 12L 714 Turbo (13/26/27/		1959	1330	1		IN	3358980	0175	44.6	10	170.0	PN	45	A		
								2660	0176	41.6	10	170.0	PN	45		A
								3990								
								5322								
						IN	3358984	0176	41.6	10	170.0	PN	45	A		
						EX	3358981									


K.H.D.


Eng. F1L 511W Eng. F2L 511W Eng. F2L 912W Eng. F2L 912D Eng. F3L 912D Eng. F3L 912W Eng. F4L 912D Eng. F4L 912W Eng. F5L 912D Eng. F5L 912W Eng. BF 6L 912 - Turbo Eng. F6L 912D Eng. F6L 912W Eng. F6L 913 Eng. BF 6L 913 - Turbo Eng. BF 6L 91	F1L812- 912D F2L812- 912D F3L812- 912D F4L812- 912D F6L812- 912D	1967	825	1		IN	4153631	0177	43.0	8	133.0	PN	45	A		
								1650	0178	37.0	8	133.0	PN	45		A
								1884								
								2826								
								2768								
								4712								
								5640								
						IN	2232528	G51518	15.05	8	57.2				Gh	
						EX	2232528									G51518


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
K.H.D.															
Eng. F6L 312 Eng. F8L 312 Eng. F6L 814 Eng. F8L 814 (99/111/133/155 KW)		1966	From 7481 to 11633	6 8		IN	3361636	1494	50.6	10	165.0	PN	45	A	
						EX	3361616	1495	44.6	10	165.5	PN	45	A	
						IN	2414268	G50811	16.05	10	95				Gh
						EX	2414269	G50813	16.05	10	83				Gh
K.H.D.															
Eng. BF 4M 1012 Eng. BF 6m 1012 (65/98 KW)	BF4M1012 BF6M1012	1993	3200 4800	4 6		IN	4208095 4255216	1498	41.7	8	124.7	PN	30	K	
						EX	4208096 4255217	1499	35.9	8	124.7	PN	45	K	
						IN									
						EX									
K.H.D.															
Eng. F 1-2-3-4 L 310 Diesel		1960	570 1140 1710 2270	1 2 3 4		IN	3357290	1500	36.0	9	131.0	PN	45	C	
						EX	3357291	1501	32.0	9	131.0	PN	45	C	
						IN									
						EX									
K.H.D.															
Eng. F1L 812 Eng. F2L 812 Eng. F3L 812 Eng. F4L 812 Eng. F6L 712 Eng. F6L 812 Eng. F2L 912D Eng. F3L 912D Eng. F4L 912D Eng. F5L 912D Eng. F6L 912D Eng. F2L 912W Eng. F3L 912W Eng. F4L 912W Eng. F5L 912W Eng. F6L 912W (9/18/22/26/28/29/33/		1957 1963 1967 1972 1992	850 1700 1884 1885 2550 2826 3400 3768 4710 4712 5100 5652	1 2 3 4 5 6		IN	2133730	1506	40.0	8	133.0	PN	45	A	
						IN	4153773 4153629 2137457 2137301	0177	43.0	8	133.0	PN	45	A	
						IN	4153455	5221	43.0	8	133.0	PN	30	A	
						EX	2934523 3371746	1507	35.0	8	133.0	PN	45	A	
						EX	4153696	0178	37.0	8	133.0	PN	45	A	
						IN	2232528	G51518	15.05	8	57.2				Gh
						EX	2232528	G51518	15.05	8	57.2				Gh
						IN									
						EX									
						K.H.D.									
Eng. F2L 1011 Eng. F3L 1011 Eng. F4L 1011	F2L1011 F3L1011 F4L1011	1989	1366 2049 2732	2 3 4		IN	4170898 4272209	1508	40.1	8	124.7	PN	45	K	
						EX	4170899	1509	34.9	8	124.7	PN	45	K	
						IN									
						EX									


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.		
K.H.D.																
Eng. F3L 912 W Eng. F3L 912 Eng. F3L 913 Eng. F4L 912 Eng. F4L 913 Eng. F5L 912 Eng. F5L 912 W Eng. F6L 912 Eng. F6L 912 W Eng. F6L 913		1993	2826	3 4 5 6		IN	4230567 4159138 4159136	1520	43.0	8	133.0	PN	45	K		
	EX		4159137			1521	37.0								8	133.0
					5600											
					5652			IN	2232528	G51518	15.05	8	57.2			Gh
					6130			EX	2232528	G51518	15.05	8	57.2			Gh















K.H.D.																
Eng. BF 4I 913 C Eng. BF 6I 913 C		1993	4090	4 6		IN	4159140	1522	43.0	8	133.0	PN	30	K		
					6130			EX	4159139 4231804	5219	37.0	8	133.0	PN	30	K













K.H.D.																	
Eng. BF 4M 1013 Eng. BF 6M 1013	BF4M1013 BF6M1013	1993	4760	4 6		IN	4204014 4255254 4283380	1524	48.0	9	139.0	PN	30	K			
						7150			EX	4204015 4255255 4283381	1525	42.0	9	139.0	PN	45	K
















K.H.D.																	
6M-8M 1015	BF6M BF8M	Eng. 1015	11905	4		IN	04226413	1526	46.0	8	133.0	PN	30	K			
						15847			EX	04226412	1527	42.0	8	132.9	PN	45	K













K.H.D.																
BFG 1015C				6 8		IN	4267453 4225353 4226562	1526	46.0	8	133.0	PN	30	K		
								EX	4228353	2642	41.9	8	133.0	PN	30	K













K.H.D.																	
F4 912	F3L912 F4L912 F5L912 F6L912 F3L913 F4L913 F6L913	1993	2830	3 4 5 6		IN	4234951 4234952 4231479 4159136 4159136	2630	45.0	8	133.0	PN	45	K			
			EX			4159137 4231804	2631								37.0	8	133.0
						5600			IN	2232528	G51518	15.05	8	57.2			Gh
						6130			EX	2232528	G51518	15.05	8	57.2			Gh







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
K.H.D.															
TCD 2.9 L4 Tier 4			2900	4		IN	4131597	2632	41.5	8	112.4	PN	30	K	
						EX	4131598	2633	35.4	8	112.1	PN	45	K	
															
K.H.D.															
TCD 3.6 L4 Tier 4			3600	4		IN	4124018	2634	42.0	8	116.3	PN	30	K	
						EX	4124019	2635	35.0	8	116.4	PN	45	K	
															
K.H.D.															
BFM 2012		2012	4000 6000	4 6		IN	4254934 4254284	2636	41.7	8	119.3	PN	30	K	
						EX	4254935 4254285	2637	35.9	8	119.4	PN	43	K	
															
K.H.D.															
TCD 2012				4		IN	4285985	2638	44.4	8	121.2	PN	30	K	
						EX	4285986	2639	38.7	8	121.2	PN	45	K	
															
K.H.D.															
TCD 2012				6		IN	4284042	2640	41.7	8	121.2	PN	30	K	
						EX	4284043	2641	35.9	8	121.2	PN	45	K	
															
K.H.D.															
Eng.TCDE4 2013				4		IN	04903005	5226	38.2	8	145.7	PN	30	K	
						EX	04903006	5227	35.8	8	145.8	PN	45	K	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
KIA															
Magentis 2.0 16V Eng.G4JP	G4JP	2004	1997	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A	
							EX	2221233000	1443	30.5	6.5	109.7	CV	45	A
															
KIA															
Rondo 2.7 V6 Optima 2.7 V6 Sportage 2.7 V6		2010	2700	V6		IN	222113E000	2469	33.1	6	110.4	PN	45	A	
							EX	222123E000	2470	27.5	6	111.5	PN	45	A
															
KIA															
Amaniti 3.8 V6 Borrego 3.8 V6 Cadenza 3.3 V6 Sedona 3.5 V6 Sorento 3.3 V6		2010 2014	3300 3500 3800	V6		IN	222113C100	2471	36.1	5.5	105.3	CV	45	A	
							222113C800								
							222113C810								
EX	222123C100	2472	31.0	5.5	105.5	CV	45	A							
															
KIA															
Mentor 1.5 8V Sephia 1.6 16V SOHC Eng.B5	B5	2000	1568	4		IN	K95412111	2494	33.7	6	103.4	CV	45	A	
							EX	K01312121	2495	28.9	6	104.0	PN	45	A
															
							G52571	11.05	6.01	48.6				Gh	
							G52546	11.05	6.01	48.6				Gh	
KIA															
Pride GLXi			1124 1324	4		IN	MB30112111	2500	32.0	7	105.3	CV	45	A	
							EX	K15112121 K15012121	2501	28.0	7	104.1	PN	45	A
															
KIA															
Rio 1.5 16V Eng.A5D	A5D	2002	1493	4		IN	OK30E12111	2502	27.8	5.5	96.4	CV	45	A	
							EX	OK30E12121	2503	24.9	5.5	95.5	CV	45	A
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
KIA Sportage 2.0 16V Clarus 2.0 16V Credos 2.0 16V Eng.FE (16V)	FE	2000	1988	4		IN	OK93012111	2504	38.1	7	103.7	CV	45	A		
							EX	K93012121	2505	32.0	7	102.8	PN	45	A	
KIA Rio 1.3		2003	1343	4		IN	OK30C12111	2506	37.1	6.5	105.1	CV	45	A		
							EX	OK30C12121	2507	31.6	6.5	103.4	PN	45	A	
						IN	OK30C-10-291B	G5S2910	12.05	6.51	42.7			MS		
					EX	OK30C-10-291B	G5S2910	12.05	6.51	42.7			MS			
KIA Mentor 1.8 i Carens 1.8 i Spectra 1.8 i Eng.TB-TE	TB TE	2003	1793	4		IN	OK24712111	2508	31.5	6	102.9	CV	45	A		
							EX	OK24712121	2509	27.0	6	101.5	PN	45	A	
																
KIA Carnival 2.5 V6 Eng.KR	KR	2003	2497	V6		IN	OK9BV12111	2510	31.5	6	89.8	CV	45	A		
							EX	OK56612121	2511	27.6	6	90.0	PN	45	A	
																
KIA Picanto 1.0 12V Picanto 1.1 12V Eng.G4HE-G4HG	G4HE G4HG	2004	999 1088	4		IN	2221102200	2514	23.5	5.5	99.6	CV	45	A		
							EX	2221202200	2515	27.0	5.5	98.9	CV	45	A	
						IN	22114-02500	G5S2723	10.05	5.41	47			MS		
					EX	22115-02500	G5S2719	10.05	5.5	48			MS			
KIA Carens 1.6 16V Shuma 1.6 16V		2004	1594	4		IN	OK2NC12111	2516	29.1	5.5	96.0	CV	45	A		
							EX	OK2NC12121	2517	25.8	5.5	94.8	CV	45	A	
						IN	OK30E-10-281	G5S2856	9.55	5.53	42			MS		
					EX	OK30E-10-281	G5S2856	9.55	5.53	42			MS			
KIA Opirus 3.5 24V Sorento 3.5 24V Eng.6G74	6G74	2004	3497	V6		IN	2221135520	2518	34.9	6.5	106.3	CV	45	A		
							EX	2221235500	2519	30.5	6.5	105.5	CV	45	A	
																





Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
KIA															
Sephia 1.5 Mentor 1.5	P47E	2006	1500	4		IN	OB6S712111	2526	31.0	6	105.4	CV	45	A	
						EX	OK93812121	2527	26.2	6	105.5	PN	45	A	
															
KIA															
Picanto 1.0 12V Eng.G3LA	G3LA	2011	998	4		IN	2221104000	3188	26.8	5.5	92.9	CV	45	A	
						EX	2221204000	3189	24.1	5.5	93.4	CV	45	A	
															
KIA															
Picanto 1.2 16V RIO 1.2 16V Eng.L2K	L2K G4LA	2011	1200	4		IN	2221103000 2221103201	3190	26.8	5.5	101.0	CV	45	A	
						EX	2221203000 2221203201	3191	24.5	5.5	101.1	CV	45	A	
															
KIA															
						IN	OBP1B12111	3194	33.0	6	101.9	CV	45	A	
						EX	MBP0512121A	3195	27.9	6	101.9	PN	45	A	
															
KIA															
Rio 1.4 16V Cerato 1.6 16V Carens 1.6 16V Eng.G4ED	G4ED	2004 2006	1399 1599	4		IN	2221126600	3209	29.1	6	91.9	CV	45	A	
						EX	2221226000	3210	25.0	6	92.4	CV	45	A	
			IN	22114-26000	G5S2783	11.06	6.01	36.5				MS			
	EX	22115-26000	G5S2734	11.06	6.01	41				MS					
KIA															
Sportage 2.0 16V Eng.G4GC	G4GC	2004	1975	4		IN	2221123600	3211	32.0	6	114.4	CV	45	A	
						EX	2221223600	3212	27.5	6	116.6	CV	45	A	
							IN	22114-23901	G5S2725	11.105	6.01	39			
	EX	22114-23901	G5S2733	11.1	6.01	44.5				MS					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.			
KIA																	
Karens IV 1.6 16V Cee'd 1.4 Cee'd 1.6 Venga 1.4 16V Venga 1.6 16V Sportage 1.6 16V Soul 1.6 16V Eng.G4FA-G4FC-G4FD	G4FA G4FC G4FD	2006 2008 2010 2013	1396 1591	4		IN	222112B000	3215	31.5	5.5	93.2	PN	45	A			
							222112B400										
							EX	222122B000	3216	26.0	5.5	92.6	CV	45		A	
								IN	22114-2B000	G552924	10.05	5.53	40.5				MS
								EX	22114-2B000	G552924	10.05	5.53	40.5				MS
							KIA										
Sportage 2.7 i V6 24V Optima 2.5 i V6 24V Eng DOHC-G6BA	G6BA	2004	2656	V6		IN	2221137201	3219	32.0	6	96.2	PN	45	A			
							EX	2221237200	3220	27.5	6	97.3	PN	45		A	
								IN	22114-23000	G552731	11.05	6.01	39				MS
EX	22115-02500	G552735	11.1	6.01	43				MS								
KIA																	
Rondo 2.4 Optima 2.0 16V-2.4 Sportage 2.0 16V Magnetis 2.0 16V Forte 2.0 16V - 2.4	G4KD	2009 2010 2012	1998 2400	4		IN	2221125000	3986	35.0	5.5	113.2	CV	45	A			
							2221125002										
							222112G000										
							EX	2221225000	3987	29.0	5.5	105.8	CV	45		A	
																	
KIA DIESEL																	
Pregio 2.5 TDi-Tci K2500 2.5 Tci	D4BH	2004	2476	4		IN	2221142520	1599	40.1	8	130.0	PN	45	A			
							EX	2221242520	1600	34.0	8	129.7	PN	45		A	
								IN	22114-42000	G52746	13.07	8	71				Gh
EX	22115-42000	G52748	13.07	8	74				Gh								
KIA DIESEL																	
Besta 2.2 D Sportage 2.0 TD	RF R2	1994 1996	1998 2184	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A			
							EX	RF0112121B	1711	36.0	8	106.8	PN	45		A	
								IN		G552731	11.05	6.01	39				MS
EX	011-10-290	G52346	14.03	8.03	37.7				Gh								
KIA DIESEL																	
Carnival 2.9 CRDI 16V Carnival 2.9 Tdi 16V	J3 J3C1	1998	2902	4		IN	OK55112111A	2474	34.0	7	126.2	CV	45	A			
							EX	OK55112121A	2475	31.6	7	126.0	PN	45		A	
								IN	22114-42000	G52746	13.07	8	71				Gh
EX	22115-42000	G52748	13.07	8	74				Gh								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
KIA DIESEL															
Sorento 2.5 CRDi		2003	2497	4		IN	222114A000	2478	31.7	7	110.5	PN	45	A	
						EX	222124A000	2479	28.0	7	110.5	PN	45	A	
						IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS
						EX	22114-4A000	G5S2848	12.06	7.02	43.3				MS
KIA DIESEL															
E-County	JM15D4AF JY01D4CI	2009	3000	4		IN	2221141001	2482	44.0	8.9	136.8	PN	45	B	
						EX	2221245000 2221245001	2483	37.1	8.9	136.9	PN	45	B	
KIA DIESEL															
Sportage 2.0 TD		1997	1998	4		IN	OK05412111	2490	39.4	8	107.0	PN	30	A	
						EX	OK05412121	2491	35.1	8	105.9	PN	45	A	
						IN	MRF01-10-104	G52859	14.03	8.03	41				Gh
						EX	MRFJ5-10-290	G52708	14035	8.03	40.5				Gh
KIA DIESEL															
FRONTIER PREGIO BONGO	27J2	2005	2500 2700 3000	4		IN	OK65D12111	2492	44.0	8.5	112.9	PN	45	A	
						EX	OK65B12121	2493	37.4	8.5	112.9	PN	45	A	
KIA DIESEL															
SPORTAGE 2.0 CRDI Sorento II 2.0 CRDI Sorento 2.2 CRDI Carnival 2.2 CRDI	D4HA D4HB	2009 2010	1995 2199	4		IN	222112F000	3192	29.0	6	108.3	PN	45	K	
						EX	222122F201	3193	26.0	6	108.2	PN	45	K	
KIA DIESEL															
Cerato 2.0 CRDI 16V Carens 2.0 CRDi 16V Sportage 2.0 CRDI 16V Magentis 2.0 CRDi 16V	D4EA	2002 2004 2006	1991	4		IN	2221127001 2221127000	3221	28.5	6	95.7	PN	45	A	
						EX	2221227000 2221227001	3222	24.4	6	95.4	PN	45	A	
						IN	22114-27000	G5S2720	11.05	6.01	36.6				MS
						EX	22114-27000	G5S2720	11.05	6.01	36.6				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
KIA DIESEL																
Picanto 1.1 12V CRDi	D3FA	2005	1120	3	┌	IN	222112A100	3223	26.1	5.5	93.1	PN	45	K		
Rio 1.5 16V CRDi	D4FA	2006	1396	4												
CEE'D1.6 16V CRDi	D4FB	2007	1493													
Cerato 1.6 16V CRDi	D4FC	2010	1582				EX	222122A100	3224	21.0	5.5	93.7	PN	45	K	
Venga 1.6 16V CRDi	D4FD	2012	1685													
Soul 1.6 16V CRDi																
Sportage 1.7 16V CRDi																
					✏	IN	22114-2A000	G5S2890	11.05	5.5	31.5				MS	
						EX	22115-2A000	G5S2891	11.05	5.5	31.5				MS	
KIA DIESEL																
Sorento 2.5 CRDi	D4CB	2006	2497	4	┌	IN	222114A061	3225	31.7	7	110.5	PN	45	K		
							EX	2124A061	3226	28.0	7	110.5	PN	45	K	
					✏	IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS	
						EX	22114-4A000	G5S2848	12.06	7.02	43.3				MS	
KOMATSU																
Eng. Cummins H & N					┌	IN	6610414110	1964	44.5	10.3	179.0	PN	30	H		
							EX	6610414210	1964	44.5	10.3	179.0	PN	30	H	
					✏											
KOMATSU																
6D170	6D170				┌	IN	6240414110 4089089 4007179	5032	61.0	11.9	247.0	PN	30	A		
							EX	6240414210	5033	59.0	11.9	247.0	PN	45	A	
					✏											
KOMATSU																
6D108	6D108				┌	IN	6221414110	5034	50.1	9	148.7	PN	30	A		
							EX	6221414211	5035	44.1	9	148.9	PN	45	A	
					✏											
KOMATSU																
EGS102-6 PC200-6	S6D170				┌	IN	6162434110 6162434111	5036	57.0	12	196.6	PN	30	A		
							EX	6162434110 6164414211 6164414211	5037	56.0	12	196.5	PN	45	A	
					✏											

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
KOMATSU																
EGS650 EGS760 EGS850	S6D102					IN	6736414110	5038	45.0	8	129.1	PN	30	AP		
							EX	6736414210	5039	45.0	8	129.1	PN	45	A	
KOMATSU																
EGS1000 EGS1200 EGS1050	S6D140					IN	6215414110	5040	52.0	10	169.2	PN	30	A		
							EX	6215414212	5041	49.7	10	169.3	PN	45	A	
KOMATSU																
Eng. D 155 Eng. D 159						IN	50213800 6127414113	5042	56.0	11	212.5	PN	30	A		
							EX	50213900 6127414214	5043	53.0	11	212.5	PN	45	A	
KOMATSU																
Eng. 6D 105				6		IN	6136424110	5452	47.2	9	148.5	PN	30	A		
							EX	6136424210	5453	41.1	9	148.5	PN	45	A	
KOMATSU																
Eng. 6D95				6		IN	6207414110 50222985	5454	44.0	8	128.0	CV	45	B		
							IN	6209414110 58234197	5460	44.0	8	128.0	CV	30	B	
							EX	6209414210 6209414210 6204414210 50222984 52409645	5455	37.9	8	128.0	CV	45	B	
KOMATSU																
Eng. 6D 110				6		IN	6136414110	5456	46.2	10	145.5	PN	30	A		
							EX	6136414211	5457	40.1	10	145.5	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
KOMATSU															
6D 125				6		IN	50222606 6150414111	5458	45.0	9	169.3	PN	30	A	
						EX	6150414210 50222607	5459	44.1	9	169.3	PN	45	A	
KUBOTA															
M7500 M8030						IN	15451-13112	5161	47.8	10	126		45	A	
						EX	15451-13122	5162	41.8	10	125.8		45	A	
KUBOTA															
V2403				4		IN	1G89613110	5310	33.5	8	102.2	PN	30	A	
						EX	1G89613120	5311	28.5	8	102.2	PN	45	A	
KUBOTA															
TRACTOR 4500						IN	15221-13110	15047	33	8	101		45	A	
						EX	15221-13212	15048	27	8	101		45	A	
KUBOTA															
TRACTOR D750						IN	15261-13110	15050	27	7	89.7		45	B	
						EX	15261-13210	15051	23.5	7	89.7		45	B	
KUBOTA															
V-2159 V-2158X						IN	671304C2	15256	50.8	11	168.7		30	B	
						EX	341057R2	15257	43.2	11	168.3		45	B	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
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KUBOTA

ZB 600							IN 15393-13110	15259	31.7	7	89.8		45	B	
							EX 15393-13120	15260	27.5	7	89.8		45	B	

KUBOTA

D662							IN 14601-13110	15261	26	6	76.5		45	A	
							EX 14601-13120	15262	22	6	77		45	A	

KUBOTA

V3003				4			IN 1C01013113	15273	30.9	7	101.2	CV	30	B	
							EX 1C01013122	15274	34.0	8	112.5	PN	45	A	

KUBOTA

D1105 V1505				3 4			IN 1G67313110	15275	31.0	7	89.7	PN	30	B	
							EX 1G67313120	15276	27.5	7	89.8	PN	45	B	

LADA ZIGULI

1200-1500 Station Wagon 1200 1200-1500 Station Wagon 1300 1200-1500 Station Wagon 1500 1200-1600 1200 L/S Vaz 1011 / 2101 / 2102 1300 Vaz 21011 / 21033 6D 125az 2103 1600 6D 125az 2106 / 2107 / 2121 Niva 4x4 Vaz 2106 / 2107 / 2121 (44/46/48/52/55/57/58 KW)	BA3 2101 BA3 2105 BA3 2103 BA3 21011 BA3 2106 / VAZ 2106 BA3 2121	1972 2003	1198 1294 1452 1500 1570 1690	4			IN 21011007010 4183269	0258	37.0	8	112.5	PN	45	A	
							EX 21011007012 4183270	0259	31.5	8	113.0	PN	45	A	
							IN 2101- 1007032/10	G51369	14.06	8.02	42				Gh
							EX 2101- 1007033/20	G51370	14.06	8.02	48				Gh

LADA ZIGULI

Vega 2.0	C20XE	1996	1998	4			IN 642758	2148	33.0	7	104.9	PN	45	K	
							EX 642858	2149	29.0	7	105.0	PN	45	K	
							IN 2108- 1007032/20	G52326	14.06	8.02	38			Gh	
							EX 2108- 1007033/20	G52327	14.06	8.02	38			Gh	











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
LADA ZIGULI																	
Samara 1.1 Samara 1.3 Eng. 2108 Samara 1.5 Eng. 2108.3 (41/48/55 KW)		1989 1990	1099 1288 1499	4		IN	210811007010	2816	35.0	8	103.7	PN	45	K			
							21081007010	2815	37.0	8	103.7	PN	45	K			
							21081007012	2817	31.5	8	104.0	PN	45	K			
									2108-1007032/20	G52326	14.06	8.02	38				Gh
									2108-1007033/20	G52327	14.06	8.02	38				Gh

LADA ZIGULI																
110 1.5 16V 111 1.5 16V 112 1.5 16V Niva 1.7 Mpi		2003	1499 1690	4		IN	21121007010	2818	29.2	7	96.0	PN	45	K		
							EX	21121007012	2819	25.5	7	97.2	PN	45	K	






LADA ZIGULI DIESEL																
Niva 4X4 1.9 D Eng.D9A-XUD9 Peugeot	D9A XUD9	1993	1905	4		IN	094894	0816	38.5	8	112.5	PN	45	A		
							EX	094947	0821	33.0	8	112.0	PN	45	A	

LANCIA																						
A 112 All Models Eng. A112A5000 Eng. 100GL6000 Eng. A112B100 (31/35 KW)	A112A-5000 100GL-6000 A112B100	1971 1986	903 965 1050	4		IN	4259853	0220	29.0	7	95.0	CV	45	A								
							4265695															
							5959564															
														EX	4274135	0221	26.0	7	95.5	PN	45	A
														4377979								
														5959563 5963326 5973130								
							IN	4265699	G50507	13.03	7.02	42.5				Gh						
							EX	4265699	G50507	13.03	7.02	42.5				Gh						













LANCIA																						
Delta 1.3 LX Prisma 1.3 Delta 1.5 Autom. / FL83 Prisma 1.5 Delta L83 0A50 Prisma 0A50 Eng. 138C2 048 (57/59/62 KW) Eng.831B8.000	138C2048	1979 1979 1983	1301 1498	4		IN	5999660	0247	36.0	8	108.5	PN	45	A								
							4239917															
							4460697															
														EX	4314869	0248	31.0	8	109.0	PN	45	A
														4315062								
														5973128 96700315								
							EX	4319339	2710	33.5	8	109.0	PN	45	A							
							4403047 5973129 7565813															
							IN	4250803	G51467	14.06	8.02	46.5				Gh						
							EX	4250803	G51467	14.06	8.02	46.5				Gh						













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.												
LANCIA																											
Beta 1.4 Beta Bn R.79 1.6 Beta Coupé 1600 HP Executive 1.6 Trevi 1.6 / Montecarlo / Berlina Beta Bn R.79 2.0 Trevi 2.0 / i.e. / VX Beta Coupé 2.0 HP Executive 2.0 / VX (66/77/80/86 KW) Eng.828A2.000	828A2000	1972 1975 1984	1438 1585 1995	4		IN	4173746 4255694 4255779	0253	41.8	8	106.5	CV	45	A													
						EX	7597080 7631719 5975341 5953041 4469661 4359309 4293992	0254	36.2	8	105.7	PN	45	A													
							IN		G50173	14.06	8.02	42								Gh							
						EX	4250801	G52603	14.06	8.02	42									Gh							
						LANCIA																					
						Beta 1.6 Berlina Beta 1.8 Beta Coupé 1.6 / 1.8i. Beta Spider 1.6 / 1.8i (74/81 KW) Eng.828A1.000	828A1000	1972 1977	1592 1756	4		IN	4300760	0255	42.5	8	106.5	CV	45	A							
												EX	4293992 4359309 5975341 7597080	0254	36.2	8	105.7	PN	45	A							
													IN		G50173	14.06	8.02	42								Gh	
												EX	4250801	G52603	14.06	8.02	42									Gh	
												LANCIA															
Dedra 1.6 SPi (Bosch) Eng. 835 A1.000 (66 KW)	835A1000	1989	1581	4								IN	7609772	0319	37.5	8	108.5	PN	45	A							
												EX	5973129	2710	33.5	8	109.0	PN	45	A							
													IN	4250803													
												LANCIA															
												Dedra 1.6 SPi (Weber) Eng. 835 A1.000 Delta 1.6 (66 KW)	835A1000	1989	1581	4		IN	7617500	0320	39.6	8	108.5	PN	45	A	
						EX	5973128 4315062	0248	31.0	8	109.0							PN	45	A							
							IN	4250803	G51467	14.06	8.02							46.5								Gh	
						EX	4250803	G51467	14.06	8.02	46.5															Gh	
						LANCIA																					
						Beta 1.3 Berlina Beta Coupé 1.3 i. Beta OHC (58 KW) Eng.828B3.000	828B3000	1974 1975 1984	1298 1300	4								IN	82316779	0462	37.5	8	107.0	PN	45	A	
EX	82399550 82336458	0463	34.0	8	107.0													PN	45	A							
	IN		G50173	14.06	8.02													42								Gh	
EX	4250803	G51467	14.06	8.02	46.5																					Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LANCIA															
Thema 2600 / 6V Peugeot Eng.		1985	2848	6		IN	7910245390	0635	43.9	8	112.0	PN	30	A	
						EX	7910246494	0637	37.0	8	111.3	PN	45	A	
LANCIA															
Z 2.0i E Turbo Eng. XU10J2 CTE Eng. RGX Peugeot (108 KW)	XU10J- 2CTE RGX	1994	1998	4		IN	9605936180	0840	42.6	8	108.8	PN	45	K	
						EX	9611782880	0841	34.5	8	108.4	PN	45	K	
LANCIA															
Z 2.0 16V Eng. RFV Peugeot	RFV	1998	1998	4		IN	9628943380	854	34.6	6	106.4	PN	45	A	
						EX	9629861180	0855	29.6	6	105.7	PN	45	A	
						IN	7616998	G52644	12065	6	40.8				Br
						EX	7616998	G52244	14.03	7.02	51.3				Gh
LANCIA															
Zeta 2.0 i.e. 16V PHEDRA 2.0 16V Eng. RFN (Peugeot)	RFN	2003	1997	4		IN	9623950380	875	33.3	6	106.1	CV	45	A	
						EX	9636001780	0876	28.9	6	103.6	PN	45	A	
						IN		G552646	12065	6	40.8				MS
						EX		G552646	12065	6	40.8				MS
LANCIA															
K 3.0 K 3.0 Coupé Thesis 3.0 V6-3.2 V6 24V Eng. 838B.000-841A1.000	838B000 841A1000	1997 2001	2959	6		IN	60810666 60663241 55186770	1400	35.6	7	102.0	CV	45	K	
						EX	60560644 60810667	1401	31.1	7	102.2	PN	45	K	
						IN	60572415	G52339	12.06	7	38				Br
						EX	60612835	G52342	12.07	7	43				Gh
LANCIA															
Voyager Thema		2014	3600	V6		IN	05184127AC	2644	39	6	116.4	PN	45	K	
						EX	05184128AE	2645	30	6	115.7	PN	45	K	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
LANCIA															
Delta 1.4 GPL Musa 1.4 GPL Eng.198A4.000	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K	
						EX	55225887	2653	23.0	6	94.6	CV	30	K	
						IN	46518800	G5S2525	10.06	6.02	39.7				MS
						EX	46518800	G5S2525	10.06	6.02	39.7				MS
LANCIA															
New Y 1.2 16V New Y 1.4 16V Musa 1.4 16V Nuova Delta 1.4 16V Eng.836A4.000 Eng.198A4.000	198A4000 836A4000	2004 2007 2010	1248 1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K	
						EX	55185080 55206233 55239748	2663	22.4	6	94.6	PN	45	K	
						IN	46441525	G5S2524	10.03	6.02	39.7				MS
						EX	46441525	G5S2524	10.03	6.02	39.7				MS
LANCIA															
Y 1.2 Y 1.1 NUOVA Y 1.2 i.e. Eng.188A4.000 To Nr.2533527	188A4000	1998 2003	1242	4		IN	46436048 7770334	2670	31.5	7	97.1	CV	45	A	
						EX	46514754 7666227	2683	27.5	7	97.2	PN	45	A	
						IN	4265699								
						EX									
LANCIA															
Y 10 Fire LX - 4WD Y 10 1.1 Selectronic Y 10 1.1 4WD Eng.156A2.000 (33/37/42 KW)	156A2000	1981 1989	999 1108	4		IN	5942727 7666228	2682	30.4	7	97.0	CV	45	A	
						EX	7666227 5942728	2683	27.5	7	97.2	PN	45	A	
						IN	4265699								
						EX									
LANCIA															
Thema 2.0 16V i.e. Thema 2.0 Turbo 16V Nuova Delta 4x4 Delta 2.0 Turbo 16V Integrale 2.0 HF K 2.0 HF K 2.0 Turbo dedra 2.0 16V (102/110/114/137 KW) Delta 2.0 HF Delta Integrale Evoluzione Eng.838A3.000-831E5.000	838A3000 831E5000	1989 1991 1994 1998	1995	4		IN	7574739 7722907	2686	34.5	7	128.0	PN	45	A	
						EX	7574742 7598073 7650916 7611673	2687	28.5	7	125.6	PN	45	A	
						IN	7616998	G52244	14.03	7.02	51.3				Gh
						EX	7616998	G52244	14.03	7.02	51.3				Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.									
LANCIA																								
Y 10 Touring Y 10 Turbo Y 10 Elite Y 10 GT Eng.156A.000 (41/54/63 KW)	156A000	1985 1989 1994	1049 1297 1301	4		IN	4412816	2707	36.5	8	110.0	PN	45	A										
							5997328																	
							7633751																	
							EX	4340119	2920	29.0	8	110.5	PN	45		A								
								4340119																
								4412822																
	IN	4265699	G50507	13.03	7.02	42.5								Gh										
	EX	4265699													G50507	13.03	7.02	42.5	Gh					
LANCIA																								
Delta 1.6 GT - i.e. Prisma 1.6 - 1.6 i.e. Delta FL 83 / Delta GT Delta H.F. Turbo - 4WD Dedra 1.8 / i.e. / 4WD Thema 1.e. Turbo Delta HF 4WD Turbo Prisma 4WD Dedra 2.0 / i.e. / 4WD Automatica Nuova Trevi Volumex Beta Coupé Volumex H.P. Executiv	836A5000	1982 1984 1986 1989 1990	1585 1756 1995	4		IN	46406169	2719	43.5	8	105.8	CV	45	A										
							7031135																	
							4440061																	
							EX	4293992	0254	36.2	8	105.7	PN	45		A								
								4359309																
								4469661																
								IN	4250801	G52603	14.06	8.02	42									Gh		
								EX	4250801														G52603	14.06
								LANCIA																
								Y 1.4 12V Eng 840A4.000	840A4000	1998	1370	4		IN		7712114	2910	30.5	7	110.4	PN	45	A	
EX	46413334	2911	35.5	7	110.4	PN	45								A									
	IN	7757052	G52475	13.06	7.02	42.5								Gh										
	EX	7779402													G52477	13.03	7.02	46	Gh					
LANCIA																								
Delta 1.8 GT Y 1.2 16V Delta 1.6 HPE Delta 1.8 HPE Lybra 1.6 i.e. 16V Eng.182A4.000-A6.000	182A4000 182A6000	1997	1242 1747	4		IN	46462158	2912	30.3	7	102.5	CV	45	A										
							EX									46761370	2913	29.8	7	102.4	CV	45	A	
							EX	46462159	2912	30.3	7	102.5	CV	45		A								
								46461209																
	IN	4265699	G50507	13.03	7.02	42.5								Gh										
	EX	7756897													G52474	13.03	7.02	42.5	Gh					
LANCIA																								
K LS / LX 20V Eng. 838 A2.000 (129 KW) Lybra 1.8 Lybra 2.0 Thesis 2.4 V6 Kappa i.e. 20V Eng.182A2.000-183A1.000	182A2000 183A1000	1994 1999 2001	1970 2446	4 5 V6		IN	7766564	2914	33.6	7	113.0	PN	45	K										
							EX									7766565	2915	28.1	7	108.5	PN	45	K	
							EX	60674496	2915	28.1	7	108.5	PN	45		K								
	IN	60811090	G52477	13.03	7.02	46								Gh										
	EX	7779402													G52477	13.03	7.02	46	Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
LANCIA																
Thesis 2.0 T		2001	2000	4		IN	7766564	2914	33.6	7	113.0	PN	45	K		
							EX	46533298	2948	28.0	7	108.8	CV	45	K	
																
LANCIA																
K Li 20V Eng. 838A1.000 (107 KW) K 2.0 20VT Eng.838A1.000	838A1000	1994 1998	1998	5		IN	7735898	2916	30.0	7	113.1	PN	45	K		
							EX	46417653 7735899	2917	26.1	7	108.5	PN	45	K	
																
LANCIA																
Y 1.2 16V NUOVA Y 1.2 16V NUOVA Y 1.4 16V Musa 1.4 i.e. 16V Eng.188A5.000-192B2.000	188A5000 192B2000	1998 2003	1242	4		IN	46403681	2921	26.9	6	95.2	CV	45	K		
							EX	46471639	2922	22.4	6	96.0	PN	45	K	
																
LANCIA																
NUOVA Y 1.2 i.e. Eng.188A4.000 From Nr.2533528	188A4000	2004	1242	4		IN	55194993	2926	31.9	5	98.4	CV	45	K		
							EX	55194994	2927	27.3	5	98.7	CV	45	K	
																
						EX		G5S2821	10.03	5.02	44				MS	
LANCIA																
Ypsilon 1.4 8V Musa 1.4 8V Eng.350 A1.000	350A1000	2005	1400	4		IN	55194219	2928	33.2	5	99.9	CV	45	K		
							EX	55200422	2929	27.9	5	100.5	CV	45	K	
																
						EX		G5S2821	10.03	5.02	44				MS	
LANCIA																
Ypsilon 0.9 Twin Air Eng.312A2000	312A2000	2012	875	2		IN	55229666	2940	30.1	5	95.5	CV	45	K		
							EX	55231897	2941	25.3	5	95.3	CV	45	K	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
LANCIA														
PHEDRA 3.0 V6 24V ENG.XFW Peugeot	XFW	2003	2946	V6		IN	9630441380	2946	35.0	6	108.4	PN	45	A
						EX	9640181380	2947	30.5	6	106.9	PN	45	A
														
LANCIA DIESEL														
Z 2.1 TDS Eng.P8C Peugeot	P8C	1999	2088	4		IN	9600781780	0844	33.9	8	122.3	PN	45	K
						EX	9604295780	0845	33.9	8	121.9	PN	45	K
								G52457	13.07	8.01	54.5			Br
						EX		G52457	13.07	8.01	54.5			Br
LANCIA DIESEL														
Zeta 2.0 JTD Eng.RHZ	RHZ	1999	1998	4		IN	9624774280	0856	35.6	6	107.1	PN	45	K
						EX	9624774580	0857	33.8	6	107.1	PN	45	K
								G52434	14.05	8.01	48			Br
						EX		G52434	14.05	8.01	48			Br
LANCIA DIESEL														
PHEDRA 2.2 JTD ENG.4HW PHEDRA 2.2 MJT 136 CV	4HW	2003 2006	2179	4		IN	9627184380	0879	29.8	6	105.0	PN	45	K
						EX	9634437580	0880	24.9	6	105.0	PN	45	K
								G552750	10065	6.01	41.5			MS
						EX		G552750	10065	6.01	41.5			MS
LANCIA DIESEL														
Zeta 2.0 JTD PHEDRA 2.0 JTD Eng.RHM-RHW-RHT (Peugeot) PHEDRA 2.0 MJT 120 CV	RHM RHW RHT	2004	1997	4		IN	9635317980	0881	29.9	6	106.2	PN	45	K
						EX	9635318480	0882	25.0	6	106.2	PN	45	K
								G552750	10065	6.01	41.5			MS
						EX		G552750	10065	6.01	41.5			MS
LANCIA DIESEL														
K 2.4 JTD Lybra 1.9 / 2.4 JTD Thesis 2.4 JTD Musa 1.9 MJ Eng.838A8.000-841C.000	838A8000 841C000	1998 2001	1910 2387	4 5		IN	60814605 46750859 55193126	1404	35.5	8	115.0	PN	45	K
						EX	46783962 60814604	1405	34.5	8	115.0	PN	45	K
								7565472	G52406	14.03	8.02	43		
						EX	7565472	G52406	14.03	8.02	43			Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
LANCIA DIESEL																		
Thesis 2.4 JTD 20V Delta 2.0 MJET	841G000	2004	1910	4	T	IN	55190248	2647	27.8	5	114.2	PN	45	K				
	198A5000	2005	2387	5		IN	55195535	1398	27.8	6	114.4	PN	45	K				
	844A1000	2006				IN	55206431	2658	27.9	5	114.4	PN	45	K				
	841P000	2007				EX	46787902	2659	24.4	5	114.4	PN	45	K				
		2010																
							EX	55202557	1399	25.8	6	114.4	PN	45	K			
							EX	55190249	2677	24.9	5	114.2	PN	45	K			
							IN	55210016	G5S2830	10.03	5.02	46.7				MS		
						EX	55210016	G5S2830	10.03	5.02	46.7				MS			
LANCIA DIESEL																		
Ypsilon 1.6 MJT 16V Nuova Delta 1.6 MJT 16V Musa 1.6 MJET 16V	350A2000	2008	1598	4	T	IN	55205125	2654	26.5	5	114.4	PN	45	K				
									EX	46787902	2659	24.4	5	114.4	PN	45	K	
										IN	55210016	G5S2830	10.03	5.02	46.7			
						EX	55210016	G5S2830	10.03	5.02	46.7				MS			
LANCIA DIESEL																		
Nuova Delta 1.9 MJT Thesis 2.4 JTD 20V	198A5000	2008	1956	4	T	IN	55206431	2658	27.9	5	114.4	PN	45	K				
	844A1000																	
	841P000								EX	55207955	2659	24.4	5	114.4	PN	45	K	
LANCIA DIESEL																		
K TD 10V Eng. 838 A3.000 (91 KW)	838A3000	1994	2387	5	T	IN	7798620	2672	37.5	8	114.3	PN	45	K				
									EX	7783225	2673	31.0	8	114.1	PN	45	K	
						IN	7565472	G52406	14.03	8.02	43				Gh			
						EX	7565472	G52406	14.03	8.02	43				Gh			
LANCIA DIESEL																		
Eng. 831 D.000 Prisma D Eng. 149 A1.000 Turbo Delta TD Eng. 831 A1.000 Turbo Prisma TD Eng. 835 A4.000 Turbo Dedra TD (48/59/68 KW) Dedra TDS	149A1000	1984	1929	4	T	IN	7547158	2694	37.4	8	116.6	PN	45	A				
	831D000	1986																
	831A1000	1989																
	835A4000	1997																
							EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A			
							EX	5990533	2695	33.5	8	116.6	PN	45	A			
							IN	4250803	G52606	14.06	8.02	46.5				Gh		
						EX	4250803	G52606	14.06	8.02	46.5				Gh			
LANCIA DIESEL																		
Eng. 8144.91 Turbo Thema TD Eng. 8144.97 Turbo Thema TD (74/85 KW)	814491	1984	2445	4	T	IN	4757358	2705	41.0	8	121.0	PN	30	A				
	814497	1989	2499															
							EX	4826033	2692+0.6T	34.5	8	122.0	PN	45	A			
							EX	7301821	2692	34.5	8	122.0	PN	45	A			
								7302157										
						IN	4749395	G51811	13.03	8.02	56				Gh			
						EX	4726483	G51265	13.03	8.02	60				Gh			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LANCIA DIESEL															
New Y 1.3 MJ 16V Musa 1.3 MJ 16V	188A4000	2003	1248 1368	4		IN	46518930 55219793	2924	21.8	6	109.2	PN	45	K	
						EX	46518931 55208213	2925	21.8	6	109.2	PN	45	K	
						IN	46816601	G5S2805	10.03	6.02	43				MS
						EX	46816601	G5S2805	10.03	6.02	43				MS
LANCIA DIESEL															
Y 1.3 16V M Jet Musa 1.3 16V M Jet Eng.188A4000-188A9000	188A4000 188A9000	2009	1242	4		IN	55195680 46518930	2944	22.4	6	109.2	PN	45	K	
						EX	46518931 55208213	2945	22.4	6	109.3	PN	45	K	
						IN	46816601	G5S2805	10.03	6.02	43				MS
						EX	46816601	G5S2805	10.03	6.02	43				MS
LANCIA DIESEL															
Voyager 2.8 JTD	ENS	2011	2777	4		IN	K68027469AA	4220	31.8	6	107.6	PN	45	K	
						EX	K68027470AA	4221	29.2	6	107.8	PN	45	K	
						IN									
						EX									
LAND ROVER															
Freelander 1.8 Softback		2001	1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A	
						EX	LGH10028	0861	24.2	6	90.0	PN	45	A	
						IN		G52318	9.84	6.01	30				Gh
						EX		G52318	9.84	6.01	30				Gh
LAND ROVER															
Freelander 2.5 Softback Eng.25K4F	25K4F	2001	2497	V6		IN	LGH10064	2194	31.5	6	89.6	CV	45	A	
						EX	LGH10065 LGH101360	2195	27.5	6	90.0	CV	45	A	
						IN									
						EX									
LAND ROVER															
Range Rover Sport Discovery III		2002	4400	V8		IN	4646005 LR002447	5840	34.8	5	105.3	CV	45	A	
						EX	4646004	5841	30.9	5	105.1	PN	45	A	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
LAND ROVER															
Discovery Defender Range Rover			3500 4000	v8		IN	LGH000030	6008	39.9	8.7	117.0	CV	45	P	
						EX	LGH000040	6009	34.3	8.7	117.0	CV	45	P	
															
LAND ROVER DIESEL															
Range Rover 2.5 Tdi Eng.25GTBYM-D256TM	25GTBYW D256TM	1994	2497	6		IN	STC2156	0098	35.9	6	103.7	PN	45	K	
						EX	STC2149	0099	30.9	6	103.6	PN	45	K	
							IN		G52534	12.55	6	39.5			
						EX		G52534	12.55	6	39.5				Br
LAND ROVER DIESEL															
Range Rover 2.5 TDi Discovery Defender 90 Tdi Eng. 12L MAXION 200TDI	12LMAX- ION200	1989 1994	2494	4		IN	ERR1157	0670	39.5	8	116.5	PN	30	K	
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K	
							IN	ETC8003	G52554	14.06	8	49			
						EX	ETC8003	G52554	14.06	8	49				Gh
LAND ROVER DIESEL															
Range Rover 3.0 Tdi Freelander 2.0 Td4 Eng.204D3-306D1	204D3 306D1	2002	1950	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K	
						EX	LGH101450	0677	25.9	6	99.9	PN	45	K	
															
LAND ROVER DIESEL															
Discovery 2.5 TD5 Eng.10P-15P	10P 15P	1997	2496	5		IN	ERR6611	0678	34.7	7	105.3	PN	30	K	
						EX	ERR6612	0679	31.7	7	105.3	PN	45	K	
															
LAND ROVER DIESEL															
Evoque 2.2 TD Freelander 2.2 TD4 Eng.224DT	4HT 224DT	2006 2011	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K	
						EX	0949E1	2259	25.0	6	95.0	CV	45	K	
							IN	0220-A2	G5S2750	10065	6.01	41.5			
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
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LAND ROVER DIESEL

Range Rover Sport Discovery III		2002	3600	V8		IN	1311281	2270	27.7	6	97.1	PN	45	K			
							EX	1316137 1520918	2271	25.2	6	96.4	PN	45	K		

LANDINI

Serie 5 5.115H Serie 5 5.110H Serie 5 5.100H Serie 60 8860 Serie 60 7865 Serie 60 8865 Vision 100 Vision 105 Rex 100 F Rex 110 F Rex 100 GE Rex 100 GT Rex 120 F Rex 120 GE Rex 120 GT Serie 1 75 Serie 1 90 Globalfarm 80 Globalfarm 90 Globalfarm 100 Globalf	1104 D - 44T 1104 D - 44 TA	2007 2010	4399	4		IN	3142H071	6515	46.4	9	129.1	PN	30	A			
							EX	3142A151	6516	41.6	9	129.2	PN	30	A		

LAZ















Lemberg 400	D 2066 LOH 28	2012	10518	6		IN	51041010574 51041010575	1798	40.0	9	160.4	PN	30	K		
							EX	51041010546	1799	38.0	9	160.4	PN	45	K	









LAZ

Lemberg 320 Bus	TCD 2013 L06 4V	2012	7146	6		IN	20833932	5226	38.2	8	145.7	PN	30	K		
							EX	20980413	5227	35.8	8	145.8	PN	45	K	

LEXUS











RX 300-330-350		2006	3456	V6		IN	1371131100	5494	38.0	5.5	105.9	CV	45	A		
							EX	1371531120	5495	32.0	5.5	110.4	CV	45	A	

















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
LEXUS															
SC 430 GS 430 WT LS 430 WT Eng. 3 UZFE (208 KW)	3UZFE	1999 2000	4293	8		IN	1371150060	5496	34.5	5.5	95.1	CV	45	A	
						EX	1371550060	5497	29.0	5.5	95.1	PN	45	A	
															
LEXUS															
IS 200 Eng. 1GFE (114 KW)	1GFE	1999	1998	6		IN	1371170060	5498	29.5	5	91.7	CV	45	A	
						EX	1371570080	5499	25.0	5	91.8	CV	45	A	
															
LEXUS															
RX 300 WT Eng. 1MZFE	1MZFE	2000	2995	6		IN	1371120020	5522	34.0	5.5	95.2	CV	45	A	
						EX	1371520020	5523	27.3	5.5	95.3	CV	45	A	
															
LEXUS															
GS 300 WT Eng. 2JZGE (161 KW)		2997		6		IN	1371146022 1371146021	5524	33.5	6	98.6	CV	45	A	
						EX	1371546020	5525	29.0	6	99.1	PN	45	A	
															
LEXUS															
CT 200 H	2ZRFXE	2015	1798	4		IN	137110T010	5532	32.0	5.5	109.4	CV	45	A	
						EX	137150T010	5533	27.5	5.5	108.3	CV	45	A	
															
LEXUS DIESEL ENGINES															
IS 220 D 16V Eng. 2ADFHV-2ADFTV	2ADFHV 2ADFTV	2007	2230	4		IN	137110R010	5492	30.1	6	104.5	PN	45	A	
						EX	137150R010	5493	27.0	6	104.1	PN	45	A	
															
LISTER															
Eng. ST1 Eng. ST2 Eng. ST3		1975		1 2 3		IN	20180250	1512	42.6	8.7	120.2	PN	45	A	
						EX	20180240	1513	35.6	8.7	120.3	PN	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LOTUS															
Elise 1.8 i 16V Eng.18K4F	18K4F	2000	1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A	
						EX	LGH101190	0861	24.2	6	90.0	PN	45	A	
						IN		G52318	9.84	6.01	30				Gh
						EX	LG10034	G52499	9.88	6.01	30				Gh
LOTUS															
Elise 111 S 1.8 i 16V WC Eng.18K4K	18K4F	2000	1796	4		IN	LGH10064	2194	31.5	6	89.6	CV	45	A	
						EX	LGH10065	2195	27.5	6	90.0	CV	45	A	
						IN									
						EX									
LOTUS															
Elise 1.6 16V Eng.1ZR-FAE	1ZRFAE	2007	1598	4		IN	1371137020	5532	32.0	5.5	109.4	CV	45	A	
						EX	1371537030	5533	27.5	5.5	108.3	CV	45	A	
						IN									
						EX									
M.A.N.															
Pullman TGA Eng.D2876LUH01	D2876- LUH01 LUH02 LUH03	2005	12816	6		IN	51041010509	1608	58.0	12	142.5	PN	30	Z	
						EX	51041010501	1609	51.0	12	142.6	PN	45	Z	
						IN									
						EX									
M.A.N.															
Eng. D 2858 MT - Turbo		1970/75	15442	8		IN	51041010314	1614	44.0	9	137.3	PN	30	A	
						EX	51041010286 51041010399	1616	39.0	9	137.3	PN	45	A	
						IN	51032010079	G52164	16.03	9.02	66				Gh
						EX	51032010066	G52165	16.03	9.02	95				Gh
M.A.N.															
Eng. D 2565 MT / MK Turbo Eng. D 2865 LOH / LUH LF - Turbo Eng. D 2566 ML / MK MT - Turbo Eng. D 2866 LF2 Turbo KFZ Turbo Eng. D 2866 OH / LOH / UH F / LUH - Turbo / LF Turbo Eng. D 2538 MT Turbo Eng. D 2876 LF / LOH Turbo Euro 2 Eng. D 2	TGA18410	1976 1981 1983 1987 1989 1990 1994 2001	9510 9973 11407 11967 12760 12810 15900 18270 18720 20190 21930	5 6 8 10 12		IN	51041010375 51041010478 51041010348	1625	58.0	12	142.5	PN	30	A	
						EX	51041010479 51041010367 51041010447	1626	51.0	12	142.5	PN	45	A	
						IN	51032010088	G52049	18.03	12.03	64				Gh
						EX	51032010088	G52049	18.03	12.03	64				Gh
						IN									
						EX									
						IN									
						EX									















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
M.A.N.																
Eng. D 2538 MT - Turbo Eng. D 2530 MT - Turbo Eng. D 2540 MT - Turbo Eng. D 2542 MTE Turbo (178/223/235/287/294/338/383 KW)	D2555	1973	12760	8 10 12		IN	51041010334	1628	59.0	12	142.5	PN	30	A		
	D2556	1976	15900													
	D2566		17426													
	D2530		20190													
	D2538					EX	51041010447 51041010367	1626	51.0	12	142.5	PN	45	A		
						IN	51032010088	G52049	18.03	12.03	64				Gh	
						EX	51032010088	G52049	18.03	12.03	64				Gh	
M.A.N.																
Eng. D 0826 LOH / LFL / LF - Turbo Eng. D 0824 GF / LFL / LOH Eng. D 0226 MC / MK / ML / MT Turbo Eng. D 0826 TOH Eng. D 0826 GF / GFA / LOH / LU / LF / Turbo / LFL (75/81/108/110/132/140/154/169/198 KW) L 2000 8.163 L 2000 155-185-225 Eng. D0824 F 2000 8.	D0226	1983	4580	4 6		IN	51041010422 51041010425	1630	49.0	10	136.6	PN	30	A		
	D0824	1986	5687													
		1986	6596													
		1991	6871													
		2001					EX	51041010410 51041010411	1631	42.0	10	136.3	PN	45	A	
		2004														
						IN	51032011052	G52162	16.03	10	65				Gh	
						EX	51032011053	G52163	16.03	10	55				Gh	
M.A.N.																
Eng. D 0224M / ME / MF Eng. D 0226M / ME / MF / MFM / MFO / MH / MFA (58/66/100 KW)		1979	3791 5687	4 6		IN	51041010417	1632	47.0	10	136.6	PN	45	A		
							EX	51041010410 51041010411	1631	42.0	10	136.3	PN	45	A	
							IN	51032011052	G52162	16.03	10	65				Gh
						EX	51032011053	G52163	16.03	10	55				Gh	
M.A.N.																
F 2000 19.364 F 2000 19.414 F 2000 19.464 F 2000 26.414 F 2000 26.460 TG - A 18.460		2001	11967	6		IN	51041010482	1633	46.0	9	153.6	PN	30	A		
							EX	51041010483	1634	46.0	9	153.6	PN	45	A	
M.A.N.																
D 2866 LF-LOH-LUH D 2876 LF-LOH 24V 2 VALVES		1999	11967	6		IN	51041010547	1635	46.0	9	153.6	PN	30	K		
							EX	51041010548	1636	46.0	9	153.7	PN	45	K	
M.A.N.																
D 2876 LF12 D 2876 LF 13 4 VALVES	D2876-LF12	2000	10520	6		IN	51041010523	1796	44.1	9	153.5	PN	30	K		
	LF12	2002	12816													
							EX	51041010524	1797	41.0	9	153.6	PN	45	K	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
M.A.N.																	
TGA SERIES D2066 LF01 D2676LOH01	D2066	2004	10250 12000 13000	6		IN	51041010574	1798	40.0	9	160.4	PN	30	K			
							51041010575										
							EX 51041010546 51041010606	1799	38.0	9	160.4	PN	45	K			
M.A.N.																	
Industrial Engine D0334 LOH 50	D033 D083 LFL40	2006	4580 6871	4 6		IN	51041010515	2345	37.0	7	141.5	PN	30	K			
							51041010516 51041010537										
							EX 51041010498 51041101506 51041010538	2346	34.0	7	141.2	PN	45	K			
M.G.																	
ZR 105 ZR 160 ZS 120 ZT 160	18K4F	2004	1396 1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A			
							EX LGH101190	0861	24.2	6	90.0	PN	45	A			
						IN		G52318	9.84	6.01	30				Gh		
						EX	LGJ10034	G52499	9.88	6.01	30				Gh		
M.G.																	
TF160 ZR160 ZS180 ZT190 Eng.18K4K-25K4F	18K4K 25K4F	2001 2002 2004	1796 2497	4 V6		IN	LGH10064	2194	31.5	6	89.6	CV	45	A			
							LGH20065										
							EX LGH101360	2195	27.5	6	90.0	CV	45	A			
M.G. DIESEL																	
ZR 115 TD 2.0 Tdi ZS 115 TD 2.0 Tdi Eng.20T2N	20T2N	2004	1994	4		IN	LGH100990	0674	37.2	7	86.7	PN	45	A			
							EX LGH100980	0675	32.5	7	86.7	PN	45	A			
M.G. DIESEL																	
ZT CDTi 2.0 Cdti Eng.204D2	204D2	2004	1951	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K			
							EX LGH101450	0677	25.9	6	99.9	PN	45	K			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
M.W.M.																
Eng. D 327		1969	1880	2		IN	622604600054	5194	41.0	9	117.0	PN	45	K		
Eng. D 226 Z		1970	2080	3												
Eng. D 327		1977	2820	4												
Eng. D 226 D			3120	6												
Eng. D 227			3770			EX	630804600024	5195	38.0	9	117.0	PN	45	K		
Eng. D 327			4160													
Eng. D 226 V			5650													
Eng. D 327			5654													
Eng. D 227			6240													
Eng. D 226 S (25/30/37/44/50/55 59/75/83/89)KW																
M.W.M.																
Eng. KD 110 5Z		1960	1340	2		IN	620704603024	5198	38.0	9	117.0	PN	45	K		
Eng. KD 110 5D		1963	1488	3				630804600014								
Eng. KD 110 5V		1963	1490	4				630504600044								
Eng. KD 110 5S		1965	1700	6												
Eng. KD 210 5Z		1967	2000			EX	630504600034	5199	35.0	9	117.0	PN	45	K		
Eng. KD 210 V			2232				620704603014									
Eng. KD 210 5S			2235													
Eng. D 225 / 325			2550													
Eng. KD 210 5.D			2670													
Eng. D 208 / 308 Z			2976													
Eng. D 208 / 308 D			3080													
Eng. D 208 / 308 V			3400													
Eng. D 208 / 308 S			4010													
Eng. KD 1105 Z			4465													
Eng. KD 1105			4470													
			5100													
M.W.M.																
TD 226 / 4 Turbo	TD226B	1977	4160	4		IN	622804603014	5200	42.0	9	117.0	PN	45	K		
TD 226 / 6 Turbo			6240	6												
(74/120 KW)							EX	622604603024	5195	38.0	9	117.0	PN	45	K	
																
M.W.M.																
Eng. D 226 B	TD226B	1988	3120	3			IN	622604605014	5230	47.0	9	117.0	PN	45	K	
Eng. TD 226 B			4160	4				IN	622604607014	5231	47.0	9	117.0	PN	30	K
(75/88/110/130 KW)			6240	6			EX	622604605034	5232	43.0	9	117.0	PN	45	K	
								622604607034								
																
M.W.M.																
Eng. D 6.10 TCA				4			IN	961004600014	5320	45.0	9	126.0	PN	30	K	
Eng. D 6.10				6												
Eng. D 4.10 TCA																
Eng. D 4.10							EX	961004600024	5321	41.0	9	126.0	PN	45	K	
Eng. D 6.10 T																
Eng. D 4.10 T																







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
M.W.M.															
Eng. TC 2016	TC2016			4		IN	12275153	5322	47.0	9	152.7	PN	30	K	
						EX	12275154	5323	43.0	9	152.7	CV	30	K	
															
M.W.M.															
Eng. D 234 Eng. TD 234 (166/221/300/332/400/600 KW)	TD234	1982	10800 14400 21600	6 8 12		IN	623404600064	5325	58.0	10	162.9	PN	30	A	
						IN	623404600014	5324	58.0	10	161.9	PN	45	A	
						EX	623404600054	5326	53.0	10	161.9	PN	45	A	
															
MACK															
END 673 ENDT 673 ENDT 675 END 711				6		IN	690GC2187B 690GC2187A	0790	57.0	12.6	174.5	PN	30	C	
						EX	688GC2352A	0791	48.0	12.6	174.5	PN	30	C	
															
MACK															
676				6		IN	690GC2193	0792	57.0	12.7	174.7	PN	30	B	
						EX	688GC337A	0793	48.0	12.6	175.0	PN	30	B	
															
MACK															
E6-4V E7-4V E650-4V Diesel						IN	690GC2210	0794	43.0	9.5	176.5	PN	30	B	
						EX	688GC2378	0795	40.0	9.5	174.5	PN	30	B	
															
MACK															
E6 -4V Diesel				6		IN	690GC2200	0796	43.0	11	176.5	PN	30	B	
						EX	688GC2373	0797	40.0	11	174.5	PN	30	B	
															
MACK															
E7 -ETECH 4V Diesel						IN	690GC425A	1153	43.0	9.5	179.1	PN	20	AP	
						IN	690GC342	1151	43.0	9.5	176.7	PN	20	AP	
						EX	688GC344	1152	40.0	9.5	177.6	PN	30	AP	
						EX	688GC416	1154	40.0	9.5	177.6	PN	30	AP	
															















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
MARBUS														
VIVE TLL	D 0836 LOH 64	2010	6871	6		IN	51041010537	2345	37.0	7	141.5	PN	30	K
						EX	51041010538	2346	34.0	7	141.2	PN	45	K
														
MASSEY FERGUSON														
FE / MF 35 / MF 35X 35 - TVO - LO 135 Petrol		1956/73	2260	4		IN	826244M1	0185	33.8	7.9	108.2	PN	45	A
						EX	826245M1	0186	31.4	9.5	106.6	PN	45	Q
														
MASSEY FERGUSON DIESEL														
Eng. Perkins 3.152 Eng. Perkins D3.152 Eng. Perkins 4.192 Eng. Perkins D4.203 (31/37/41 KW)		1953 1957 1959 1966 1970	2491 2147 3330	3 4		IN	731151M1 732811M1	0580	39.0	7.9	114.3	CV	45	A
						EX	731152M1 737640M1	0581	33.4	7.9	114.3	CV	45	A
							IN 420002 EX 420002	G50378 G50378	12.72 12.72	7.94 7.94	66 66			Gh Gh
MASSEY FERGUSON DIESEL														
Eng. Perkins 4.99 MF 825 Eng. Perkins 4.107 MF 25 / 130 (21/30 KW)		1960/73 1965/73	1622 1759	4		IN	0910060	0585	35.9	8	116.8	PN	45	A
						IN	732101M1	6521	35.9	8	116.8	PN	45	H
						EX	734106M1	0586	30.3	7.9	117.0	PN	45	A
														
MASSEY FERGUSON DIESEL														
Eng. Perkins 4.212 MF 165 Eng. Perkins 4.236 MF 165 / 168 / 175 / 1080 Eng. Perkins 6.354 MF 510 / 515 / 1100 (47/59/85 KW)		1965 1969 1974	3475 3867 5800	4 6		IN	733819M1	0587	44.2	9.5	122.8	PN	45	A
						EX	733818M1	0588	36.6	9.5	123.3	PN	45	A
							IN 33261732 EX 33261752	G50934 G50935	15.92 15.92	9.52 9.52	58 61.2			Gh Gh
MAZ														
4370 555142	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B
														













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
MAZDA																	
Mazda 2 1.6 16V Mazda 2 1.4 16V Eng.FXJA-FYJA-HWDA-HWDB Ford	FYJA HWDA HWDB	2004 2006	1596	4		IN	C60112111	1262	30.0	6	99.0	CV	45	K			
							EX	C40112121	1263	24.1	6	101.5	CV	45	K		
																	
MAZDA																	
2 1.4 16V		2006	1388	4		IN	C40112111A	1277	28.0	6	99.4	CV	45	K			
							EX	C40112121	1263	24.1	6	101.5	CV	45	K		
																	
MAZDA																	
Mazda 2 1.2 16V Eng.C2	C2	2003	1242	4		IN	C20112111 1E0612111	1313	26.0	6	99.7	CV	45	K			
							EX	C20112121	1314	22.1	6	101.7	CV	45	K		
																	
MAZDA																	
Mazda 3 2.0 16V Mazda 5 2.0 16V Mazda 6 2.0 16V Mazda 6 2.3 16V MPV 2.3 16V Eng.LF Ford	LF	2003 2004 2005	1999 2261	4		IN	LF0112111	1315	35.0	5.5	103.4	CV	45	A			
							EX	LF0112121 LF0212121	1316	30.0	5.5	104.6	PN	45	A		
								IN	FSY1-10-280	G5S2775	11.05	5.53	39				MS
							EX	FSY1-10-280	G5S2775	11.05	5.53	39					MS
MAZDA																	
5 1.8 i.e. 16V 6 1.8 i.e. 16V Eng L8 Ford Duratec	L8Ford	2005 2006	1798	4		IN	1324691 L80112111 1211483	1317	32.5	5.5	103.4	CV	45	A			
							EX	1324690 L80112121C	1318	28.0	5.5	104.6	CV	45	A		
								IN	LFY1-10-281	G5S2775	11.05	5.53	39				MS
							EX	LFY1-10-281	G5S2775	11.05	5.53	39					MS
MAZDA																	
121 1.3i			1299	4		IN	1E0312111	1332	34.5	7	104.0	CV	45	K			
							EX	1E0312121	1331	29.0	7	104.4	PN	45	K		
																	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.	
MAZDA															
Capella 1600 / Telstar 1600 Eng. F6 (60 KW)	F6	1982	1587	4		IN	F60112111	1658	41.0	8.1	111.8	PN	45	A	
						EX	F60112121	1659	33.5	8.1	111.8	PN	45	A	
															
MAZDA															
616 / 626 / 808 / Bongo / Capella / Proceed / B / E 1.6 (Eng. NA) 626 / 929 / B / Bongo Cosmo / Capella / Courier Luce / Proceed 1.8 (Eng. VC) 121 / 626 / 929 / B - T / Capella / Cosmo / Courier / Luce 2.0 (Eng. MA) (66/68/74/81 KW)	NA VC	1969 1969 1973 1977 1978 1982	1586 1769 1796 1970	4		IN	029012111C	1662	42.0	8.1	108.6	CV	45	A	
						EX	D27Z6505A 030512121	1663	33.0	8.1	107.1	PN	45	A	
						IN	0370-10-280	G51334	14.03	8.09	50.5				Gh
						EX	0305-23-090	G51335	14.03	8.09	50.5				Gh
															
MAZDA															
323 1600 Eng. B6 OHC (63 KW)	B6OHC	1989	1598	4		IN	B630012111	1664	38.0	7	103.6	CV	45	A	
						EX	B630012121	1665	32.0	7	102.7	PN	45	A	
						IN	B6Y0-10-290	G52563	12.06	7.02	50				Gh
	EX	B6Y0-10-290	G52563	12.06	7.02	50				Gh					
MAZDA															
Bongo / Capella / Spectron / Telstar 1800 Eng. F8 Bongo / Capella / Cosmo / Luce / Telstar / 929 2000 Eng. FE (74 KW)	FE F8	1982	1789 1998	4		IN	F80112111A	1668	44.0	8.1	111.7	CV	45	A	
						EX	F80412121 F80112121A	1669	36.0	8.1	111.5	CV	45	A	
															
MAZDA															
Familia / Bongo 1000 / 79 Eng. PB	PB	1969	987	4		IN	024912111A	1670	32.0	7.1	108.0	PN	45	A	
						EX	024912121A	1671	27.5	7.1	98.5	PN	45	A	
															
MAZDA															
808 / 818 / 823 / E 1.3 Bongo / Familia 1.3 FamiliaPresto 1.3 Gran Familia / Proceed 1.3 (Eng. TC) 323 / Familia 1.3 (Eng. E3) Bongo / 323 / E / Familia 1.4 (Eng. UC) 323 / Familia / Laser 1.5 (Eng. ES) (48/53/61/63/64 KW)	ES UC TC	1976 1978 1980	1272 1296 1415 1490	4		IN	032412111A	1674	36.0	8.1	105.5	CV	45	A	
						EX	048812121 032412121A	1675	31.0	8.1	103.5	PN	45	A	
															







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
MAZDA																
Titan T 2000 / 79 Eng. VA	VA	1971	1985	4		IN	055212111	1676	39.5	8.1	112.5	PN	45	A		
							EX	055212121A	1677	30.0	8.1	112.5	PN	45	A	
MAZDA																
Eng. XA / XB / YB / ZB			2500 2700	4		IN	063612111	1678	40.0	8	114.7	PN	45	A		
							EX	063612121 052712121	1680	36.0	8	114.9	PN	45	A	
MAZDA																
626 2200 626 Turbo 2200 MX6 2200 MX6 Turbo 2200 Probe / Turbo 2200 Eng. F2 12V (85 KW)	F2	1988 1992	2184	4		IN	F20212111 F20112111	1690	32.5	7	115.8	CV	45	A		
							EX	F20112121 F20112121B F20112121A	1691	34.0	7	116.2	CV	45	A	
MAZDA																
Familia 323 Eng. B6 MX - 3 (63 KW)	B6	1989 1992 1993	1597	4		IN	B54112111	1696	29.5	6	104.0	CV	45	A		
							EX	B54112121	1697	23.5	6	105.0	PN	45	A	
						IN	B6Y0-10-290	G52563	12.06	7.02	50				Gh	
						EX	B6Y0-10-290	G52563	12.06	7.02	50				Gh	
MAZDA																
Familia 323 Eng. BP / B5 MX5 1.8i 16V (78 KW)	BP B5	1994 1998	1840	4		IN	BP4W12111 BP0512111 BP0612111	1698	32.9	6	101.7	CV	45	A		
							EX	BP4W12121 BP0512121A	1699	28.0	6	102.0	PN	45	A	
						IN	B6Z0-10-280	G52571	11.05	6.01	48.6				Gh	
						EX	B6Z0-10-290	G52546	11.05	6.01	48.6				Gh	
MAZDA																
MX6 626 1.8 16V 626 2.0 16V Premacy 1.8 16V MPV 2.0 16V		1993 1995 1998	1840 1991	4 6		IN	FS0112111B FS0112111C	2510	31.5	6	89.8	CV	45	A		
							EX	FS0112121B FS0112121A	2511	27.6	6	90.0	PN	45	A	
						IN	F2Y1-23-091	G52572	12.08	7.02	53				Gh	
						EX	F2Y1-23-091	G52572	12.08	7.02	53				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
MAZDA															
MX3 1.6i 16V MX5 1.6i 16V		1996 1998	1597	4		IN	B65712111 B6MC12111	2526	31.0	6	105.4	CV	45	A	
						EX	B69512121B BJ0112121 B66012121	2527	26.2	6	105.5	PN	45	A	
						IN	B6Y0-10-290	G52563	12.06	7.02	50				Gh
						EX	B6Y0-10-290	G52563	12.06	7.02	50				Gh
MAZDA															
CX 2.0 16V 6 2.0 16V 3 2.0 16V Atenza	PEY6 PEY7	1998 2011 2013	2011 2013 2014	4		IN	PE0112111	3480	33.2	5.5	106.9	CV	45	A	
						EX	PE0112121	3481	27.9	5.5	116.9	PN	45	A	
MAZDA															
Protege A/T Protege M/T		1990 1992				IN	BP0112111	3487	30.0	6	101.8	CV	45	A	
						EX	BP0112121	3488	25.0	6	103.0	PN	45	A	
MAZDA															
929 929 S 929 M/T MPV 3.0L V6 4WD MPV 4WD ES MPV RWD ES		1988 1990 1992 1995 1997	3000			IN	JE0112111	3489	33.0	7	121.4	CV	45	A	
						EX	JE0612121A	3486	38.0	8.1	122.6	CV	45	A	
MAZDA															
Demio 60 / 75 Demio 1.3 / 1.5 323 1.6 16V		1999	1324	4		IN	B36612111	3490	25.5	6	104.0	CV	45	A	
						EX	B36612121	3491	21.5	6	105.0	PN	45	A	
						IN	B6Z0-10-280	G52571	11.05	6.01	48.6				Gh
						EX	B6Z0-10-290	G52546	11.05	6.01	48.6				Gh
MAZDA															
323 1.5 323 F 1.6 16V		1998	1498	4		IN	ZL0212111	3492	29.2	6	91.2	CV	45	A	
						EX	0212121	3493	25.9	6	90.6	PN	45	A	






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MAZDA															
MX3 1.8i 24V V6 Xedos 6 2.0 24V Xedos 9 2.0 24V		1992 1994	1845 1995	6		IN	KF0112111A	3494	28.5	6	94.2	CV	45	A	
						EX	K80112121 KF0112121	3495	23.0	6	95.2	CV	45	A	
															
MAZDA															
B 2600 A/T 4WD B 2600 A/T RWD B 2600 M/T 4WD B 2600 M/T RWD MPV 2.6 L		1989 1990 1991 1992	2600			IN	G60112111	3496	33.3	7	112.6	CV	45	A	
						EX	G60112121 G60212121 G61212121	3497	36.0	7	113.9	CV	45	A	
															
MAZDA															
Tribute 2.0 16V		2003	1998	4		IN	YF0912111	3500	32.0	6	97.1	CV	45	A	
						EX	0912121	3501	28.0	6	96.5	CV	45	A	
															
MAZDA															
Tribute 3.0 V6 24V		2003	2967	V6		IN	AJ0312111	3502	34.9	6	114.4	CV	45	K	
						EX	AJ0312121	3503	29.9	6	115.4	CV	45	K	
															
MAZDA															
Mazda 3 1.4 16V		2004	1349	4		IN	ZJ0112111A	3504	27.7	5.5	98.3	CV	45	A	
						EX	ZJ0112121 ZJ0112121A ZJ0112121B	3505	24.0	5.5	98.8	PN	45	A	
															
MAZDA															
Mazda 3 1.6 16V Eng. B6ZE	B6ZE	2004	1598	4		IN	ZY0112111A	3506	29.2	5.5	97.1	CV	45	A	
						EX	ZY0112121 ZY0112121A ZY0112121B	3507	25.9	5.5	96.6	PN	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
MAZDA															
CX7 2.3 16VT DISI Eng.MZR Turbo		2007	2261	4		IN	L3K912111	3510	35.2	6	103.4	CV	45	A	
						EX	L3K912121C	3511	30.0	6	104.7	PN	45	A	
															
MAZDA															
121 1.2 16V Eng.DHA Ford	DHA	1996	1242	4		IN	1E0512111	3514	26.1	6	97.7	CV	45	A	
						EX	1E0512121	3515	22.1	6	99.7	PN	45	A	
															
MAZDA															
323 Lantis 1.5			1489	4		IN	Z50112111C Z50112111A	3516	27.7	5.5	92.3	CV	45	A	
						EX	0112121	3517	24.0	5.5	92.8	PN	45	A	
															
MAZDA															
MX6		1993	2500	4		IN	KL0112111A	3518	32.0	6	94.0	CV	45	A	
						EX	KL0112121	3519	27.6	6	95.0	CV	45	A	
															
						IN	F2Y1-23-091	G52572	12.08	7.02	53				Gh
						EX	F2Y1-23-091	G52572	12.08	7.02	53				Gh
MAZDA															
929 DOHC 3000		1992		6		IN	JE2612111	3520	34.8	6	115.3	CV	45	A	
						EX	JE2612121	3521	31.0	6	120.6	PN	45	A	
															
MAZDA															
Craft 1500 UA Engine		1971		4		IN	057112111	3522	37.5	8.1	114.5	PN	30	A	
						EX	057112121	3523	30.0	8.1	114.5	PN	45	A	
															
MAZDA															
Xedos 9 2.3 Eng.KF	KF	1992		V6		IN	KJ0112111	3524	28.4	6	108.0	CV	45	A	
						EX	KJ0112121A	3525	24.2	6	108.1	CV	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MAZDA															
121 323 Eng.B3-TC	B3 TC		1272 1323	6		IN	B3C712111A	3526	25.5	6	108.2	CV	45	A	
						EX	B3C712121A B3D212121A	3527	21.5	6	109.4	CV	45	A	
						IN	0370-10-280	G51334	14.03	8.09	50.5				Gh
						EX	0305-23-090	G51335	14.03	8.09	50.5				Gh
MAZDA															
B 4000		1994 1997		4		IN	ZL012111	3528	43.5	8	103.8	CV	45	A	
						EX	ZL012121	3529	34.5	8	104.0	PN	45	K	
						IN									
						EX									
MAZDA															
Familia 323 Eng. E3 / E5 (50/55 KW)	E3 E5	1985	1296 1490	4		IN	E5D312111	5112	36.0	8.1	108.5	CV	45	A	
						EX	E35812121	5113	31.0	8.1	106.5	PN	45	A	
						IN	0370-10-280	G51334	14.03	8.09	50.5				Gh
						EX	0305-23-090	G51335	14.03	8.09	50.5				Gh
MAZDA DIESEL															
Mazda 2 1.4 TD Eng F6JA-F6JB	F6JA F6JB	2003	1399	4		IN	Y40112111	0894	32.8	5.5	97.3	CV	45	K	
						EX	Y40112121	0895	30.3	5.5	97.3	PN	45	K	
						IN									
						EX									
MAZDA DIESEL															
Mazda 2 1.6 Tdi Mazda 3 1.6 Tdi EngY6 Peugeot	Y6	2004	1560	4		IN	Y60112111	0898	25.6	5.5	96.4	CV	45	K	
						EX	Y60112121	0899	23.4	5.5	96.6	PN	45	K	
						IN									
						EX									
MAZDA DIESEL															
BT 50 16V TD Bongo 2500	WE	2009	2499 3000	4		IN	WE0112111 6M346507AA 1449108	1283	31.0	6	111.9	PN	45	A	
						EX	WE0112121 6M346505AA 1449109	1284	28.0	6	111.9	PN	45	A	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
MAZDA DIESEL																
Bongo / Capella / spectron 2000 D Eng. RF Bongo 2200 Diesel Eng. R2 Eng E2000/2200 (53 KW)	RF R2	1983	1998 2184	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A		
						EX	RF0112121B	1711	36.0	8	106.8	PN	45	A		
						IN		G5S2731	11.05	6.01	39					MS
						EX	011-10-290	G52346	14.03	8.03	37.7					Gh
MAZDA DIESEL																
323 2.0 TD 626 2.0 TD Premacy 2.0 DiTD Eng.RF2	RF2	1999	1998	4		IN	RF2A12111	1712	29.7	6	115.3	PN	45	A		
						EX	RF2A12121	1713	25.5	6	114.6	PN	45	A		
MAZDA DIESEL																
MPV 2.0 TD B 2500 TDS (80 KW) Eng.WLT-W6	WLT W6	1998 1999	2499	4		IN	WL0112111 WL5112111	1714	32.7	7	111.8	PN	45	A		
						EX	WL5112121A WL0112121	1715	35.6	7	111.8	PN	45	A		
MAZDA DIESEL																
Mazda 3 2.0 TD 16V Mazda 5 2.0 CD 16V Mazda 6 2.0 CD 16V MPV 2.0 TD Eng RF5	RF5	2003 2006	1998	4		IN	RF5C12111	1716	27.2	6	115.2	PN	45	A		
						EX	RF5C12121	1713	25.5	6	114.6	PN	45	A		
MAZDA DIESEL																
6 2.2 CD CX7 2.2 CD Eng.MZR		2009	2184	4		IN	R2AA12111	3530	27.2	6	91.8	PN	45	A		
						EX	R2AA12121	3531	25.5	6	91.3	PN	45	A		
MAZDA DIESEL																
CX 2.2 D 6 2.2 D 3 2.2 D Eng.SHY1	SHY1	2012 2013 2014	2191	4		IN	SH0112111	3534	31.2	5.5	99.9	PN	45	K		
						EX	SH0112121A SH0112121D	3535	27.0	5.5	99.1	PN	45	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
MERCEDES BENZ																	
280. 280 S / E / SE / SL / SEL Eng. M 110 (118/136 KW)	M110	1976 1980	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A			
							EX	1100500027	2725	37.1	11	118.0	PN	45	A		
								IN	110 050 53 24	G52275	14.04	9	51.5				Ra
								EX	110 050 65 24	G51311	15.04	11	54				Ra
MERCEDES BENZ																	
280 S / C / E / CE / TE / SE / SEL / SL / GE 4x4 Eng. M 110 (115/135 KW)	M110	1980	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A			
							EX	1170500127 1170500027	2729	39.1	9	118.2	PN	45	A		
								IN	110 050 53 24	G52275	14.04	9	51.5				Ra
								EX	110 050 65 24	G51311	15.04	11	54				Ra
MERCEDES BENZ																	
280 SE 300 SEL 350 SE / SEL / SL Eng. M 116 450 Se / SEL / SL Eng. M 117 (132/147/160 KW)	M116 M117	1969 1972 1971 1975	2399 4520	8		IN	1160500226 1160500126	2728	44.2	9	117.0	PN	45	A			
							EX	1100500027	2725	37.1	11	118.0	PN	45	A		
								IN	116 050 47 24	G52284	14.04	9	47.5				Ra
								EX	110 050 65 24	G51311	15.04	11	54				Ra
MERCEDES BENZ																	
420 SL / SE / SEL / SEC Eng. M 116 450 SLC 500 Se / SEL / SL / SLC Eng. M 117 (160/170/177 KW)	M116 M117	1977 1981 1985	4196 4973	8		IN	1160500126 1160500226	2728	44.2	9	117.0	PN	45	A			
							EX	1170500127 1170500027	2729	39.1	9	118.2	PN	45	A		
								IN	116 050 47 24	G52284	14.04	9	47.5				Ra
								EX	110 050 65 24	G51311	15.04	11	54				Ra
MERCEDES BENZ																	
380 SE / SEL / SL / SLC Eng. M 116 K-Jetronic 380 SE / SEL / SEC / SL Eng. M 116 (160 KW)	M116	1979 1981	3818 3839	8		IN	1160500226 1160500126	2728	44.2	9	117.0	PN	45	A			
							EX	1160500027 1160500127	2735	37.1	9	118.2	PN	45	A		
								IN	116 050 47 24	G52284	14.04	9	47.5				Ra
								EX	117 050 06 24	G52064	15.04	9	50.5				Ra
MERCEDES BENZ																	
C 180 16V Eng. 111.920 E18 (KW 90) UP TO Engine 12-008-003	M111920	1993	1799	4		IN	1110530401 1110530301	2732	33.0	7	101.5	PN	45	K			
							EX	1110500627	2733	29.0	7	103.5	PN	45	K		
								IN	606 053 02 30	G52453	12.56	7.02	37.5				Gh
								EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
MERCEDES BENZ															
380 SE / SEL / SEC / SL%(150 KW)	M116	1981	3839	8		IN	1160500326 1160500426	2734	39.1	9	117.0	PN	45	A	
						EX	1160500127 1160500027	2735	37.1	9	118.2	PN	45	A	
						IN	116 050 36 24	G51684	14.04	9	47.5				Ra
						EX	117 050 06 24	G52064	15.04	9	50.5				Ra
MERCEDES BENZ															
190 E 1.8 Eng. M 102 190. 190 E 200 . 200 T / E / GE 4x4 200 GE 4x4 Cabriolet Eng. M 102 /74/77/80/90 KW) 230GE	M102	1982 1984 1989 1990	1797 1997 2298	4		IN	1020500426 1020500526 1020501601 1020501801 1020530901 1020531801	2737	43.0	8	114.9	PN	45	A	
						EX	1020500027 1020500327	2738	39.0	9	115.8	PN	45	A	
						IN	102 050 17 24	G52067	14.04	8	46				Ra
						EX	102 050 18 24	G52069	14.04	9	51				Ra
MERCEDES BENZ															
208 / 210 / 308 / 310 / 410 L 408 / 409 / 410 LK 408 / 409 / 410 O 309B / 410 / 510 230 E / CE / TE 230 GE 4x4 190 E 2.3 230 GE 4x4 Cabriolet Eng. M 102 (70/77/79/92/97/100 KW)	M102	1980 1982 1986 1989	2299	4		IN	1020500326 1020531701 1020530801 1020531501	2739	46.0	8	115.0	PN	45	A	
						EX	1020500027 1020500327	2738	39.0	9	115.8	PN	45	A	
						IN	102 050 17 24	G52067	14.04	8	46				Ra
						EX	102 050 18 24	G52069	14.04	9	51				Ra
MERCEDES BENZ															
450 SEL (210 KW)	M100	1975	6834	v8		IN	1000500901	2740	50.8	9	142.7	PN	45	A	
						EX	1000500127	2741	42.9	11	144.0	PN	45	A	
MERCEDES BENZ															
260 E / SE / 4 Matic Eng. M 103 190 E 2.6 Eng. M 103 E 26 (118/122 KW)	M103	1985	2599	6		IN	1030532301 1030531601 1030532101	2743	40.0	8	110.3	PN	45	A	
						EX	1030501327	2744	35.0	9	110.9	PN	45	A	
						IN	103 050 03 24	G52125	14.04	8	42				Ra
						EX	103 050 07 24	G52127	14.04	9	48				Ra

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
MERCEDES BENZ																
300 GE / 4x4 Cabriolet 300 E. 300 SE / SEL / SL 300 E / CE / TE 300 E / TE / 4Matic Eng. M 103 (125/132/138/140 KW)	M103	1985 1989	2960 2962	6		IN	1030532001	2745	43.0	8	110.3	PN	45	A		
							1030531301									
							EX	1030500527 1030501727	2746	39.0	9	110.9	PN	45		A
							IN	103 050 03 24								
EX	103 050 07 24%	G52127	14.04	9	48		Ra									

MERCEDES BENZ																
190 - 090 E - 200 Eng. M 102 (63/66 KW)	M102	1982	1997	4		IN	1020530601	2755	40.0	8	114.9	PN	45	A		
							EX									1020500127 1020500427
							IN									
							EX									

MERCEDES BENZ																
190 E 2.3 - 16 Eng. M 102 190 E 2.5 - 16 Eng. M 102 (136/143/150 KW)	M102	1984 1988 1989 1990	2299 2498	4		IN	1020531001	2758	38.0	7	111.7	PN	45	A		
							1020531401									
							EX	1020500827 1020501127 1020500627	2759	33.0	8	111.5	PN	45		A
							IN	102 050 17 24								
EX	102 050 18 24	G52069	14.04	9	51		Ra									







MERCEDES BENZ																
500 SL / SE / SEL / SEC Eng. M 117 560 SE / SEC Eng. M 117 (180/200 KW)	M117	1985	4973 5547	8		IN	1170500126	2760	46.2	9	117.0	PN	45	A		
							EX									1170500027 1170500127
							IN									
							EX									






MERCEDES BENZ																
300 E - 24 / CE - 24 / 7E - 24 300 SL - 24 / Cabriolet Eng. M 104 (162/170 KW)	M104	1989	2960	6		IN	1040530801	2764	35.0	8	101.5	PN	45	A		
							1040531001									
							EX	1040501427	2765	31.0	9	103.5	PN	45		A
							IN									
EX																










MERCEDES BENZ																
500 SL / E 500 SE / SEL Eng. M 119 (240 KW)	M119	1989/90 1991	4973	8		IN	1190530801	2768	38.0	7	95.8	PN	45	K		
							1190531801									
							IN	1190530401 1190530501	2766	38.0	8	95.8	PN	45		A
							EX	1190501027 1190500927								
							EX	1190500527	2767	33.0	9	102.6	PN	45		A
							IN	104 050 52 24								
EX	104 050 27 24	G52429	13.53	9	38		Br									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.						
MERCEDES BENZ																					
C200 16V 200 E / CE / TE E200 16V C220 16V 220E / CE / TE E220 16V C280 24V SL 280 S 280 24V 280E / TE - E 280 24V SL 320 S 320 24V 320 E / CE / TE G 320 4x4 100/110/142/150/155/170 KW) SL 600 Eng.M111.940-M104.996	M111940	1992	1998	4	6	IN	1110530201	2770	35.0	7	101.5	PN	45	K							
	M104996	1993	2199				1110530101														
		1998	2799																		
				2199			EX	1110500527	2771	31.0	7	103.5	PN	45	K						
							IN	606 053 02 30	G52453	12.56	7.02	37.5				Gh					
							EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh					
	MERCEDES BENZ																				
E 200 16V E 230 16V E 280 24V E 320 24V (100 KW) C 200 / 200 K C 230 K CLK 200 / 200 K CLK 230 K SLK 200 / 200 K SLK 230 K V 200 V 230 E 200 K C Sportcoupé 180 C Sportcoupé 200 Kompressor C Sportcoupé 230 Kompressor Vito 113 B Sprinter 214-314 ML 230 E200	M111940	1995	1998	4	6	IN	1110531101	2772	35.0	7	101.5	PN	45	A							
	M104996	1999	2295				1110532101														
		2001	2799																		
		2002	3199			EX	1110501427	2773	31.0	7	103.5	PN	45	A							
							IN	606 053 02 30	G52453	12.56	7.02	37.5				Gh					
							EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh					
	MERCEDES BENZ																				
300 SE 3.2 - 24 300 SEL 3.0 - 24 Eng. M 104 600 SE / SEL / SEC V12 Eng. M 120 (170/300 KW) Eng.104.990	M104	1991	3199	6	12	IN	1040531201	2772	35.0	7	101.5	PN	45	A							
	M120	1992	5987				1040531401														
							EX	1040501027	2763	31.0	8	103.5	PN	45	A						
								1040501727													
MERCEDES BENZ																					
400 SE / SEL Eng. M 119 (210 KW)	M119	1991	4196	8		IN	1190531201	2774	35.0	7	95.8	PN	45	K							
												EX	1190500927	2775	33.0	7	102.6	PN	45	K	
													1190501027								
						IN	104 050 52 24	G52425	13.53	7	35.5				Br						
						EX	104 050 27 24	G52429	13.53	9	38				Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
MERCEDES BENZ														
A 140	M266920	1998	1397	4		IN	1660530101	2782	40.0	6	103.0	CV	45	A
A 160	M266940		1598											
A 140 Long	M266970													
A 160 Long														
Vaneo 1.6-1.9						EX	1660500327	2783	34.0	7	102.7	PN	45	A
A 150-B 150														
A 170-B 170														
A 200-B 200														
MERCEDES BENZ														
C 240 2.4i V6 18V	M112910	1999	2398	V6		IN	1130530001	2784	30.0	7	120.7	PN	45	A
E 240 2.4i V6 18V		2002												
						EX	1130500127	2785	34.0	7	121.7	PN	45	A
MERCEDES BENZ														
A 190	M166960	1998	1898	4		IN	1660530201	2786	43.0	6	102.9	CV	45	A
A 190 Long		2002												
A 210 2.1 i														
Vaneo 1.6						EX	1660500427	2787	36.0	7	102.7	PN	45	A
Vaneo 1.9														
						IN	606 053 12 29	G52522	12.56	6	37.5			Gh
						EX	606 053 02 30	G52453	12.56	7.02	37.5			Gh
MERCEDES BENZ														
CLASSE A 150	M111940	2004	1497	4		IN	1660530201	2786	43.0	6	102.9	CV	45	A
CLASSE A 170	M104996		1698											
CLASSE A 200	M266940		2034											
						EX	2660530105 2660500027	3252	35.0	7	102.7	CV	45	A
						IN	606 053 12 29	G52522	12.56	6	37.5			Gh
						EX	606 053 02 30	G52453	12.56	7.02	37.5			Gh
MERCEDES BENZ														
C 240	M112924	1999	2597	V6		IN	1130530101	2788	36.0	7	119.5	PN	45	A
C 320		2004	2799	V8				1130530501						
C 280			3199											
C 43 AMG			4266											
E 240 / 280						EX	1130500227	2789	41.1	7	122.3	PN	45	A
E 320 / 430														
SL 280 / 320														
S 280 / 320 / 430														
V 280														
CLK 430														
SLK 320														
Classe M 320 V6														
Classe M 430 V8														
Classe G														
C 320 Sportcoupè														
CLK 240														
CLK 320														
Vito 119 V6														
Vito 122 V6														
Eng.M112.924														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
MERCEDES BENZ																
Smart M 16 600-700	M160910	2001	599 698	3		IN	1600530001 1600530101	3250	30.1	6	89.2	PN	45	A		
						EX	1600500027 1600500327	3251	24.9	6	89.4	PN	45	A		
MERCEDES BENZ																
C 160 Kompressor 1.8 16V C 180 Kompressor C 200 Kompressor C 230 Kompressor E 200 Kompressor CLK 200 Kompressor SLK 200 Kompressor C 200 Kompressor 1.8 16V CLK 200 Kompressor 1.8 16V	M271	2004 2006	1796	4		IN	2710530001	3253	30.5	7	105.4	CV	45	A		
						EX	2710500027 2710500427	3254	27.0	7	109.2	PN	45	A		
MERCEDES BENZ																
C 180 Kompressor C 200 Kompressor Eng.M271.950 Eng.M271.952	M271	2007	1796	4		IN	2710530501 2710530601	3255	30.5	6	105.4	CV	45	K		
						EX	2710500627	3256	27.0	6	109.3	PN	45	K		
MERCEDES BENZ																
C 230 Eng.M272.921 C 280-R280-E280 Eng.M272.943-945-947	M272 M276 M278	2007	2496 3996	V6		IN	2720530801 2720530201	3257	37.0	6	109.4	PN	45	K		
						EX	2720500927 2720500227 2780500427	3258	28.0	6	107.5	PN	45	K		
MERCEDES BENZ																
R 350 CLS 350 CLK 350 SLK 350 SL 350 M 350	M273 M350	2007	3498	V6		IN	2720530501 2720530601	3259	39.4	6	108.7	CV	45	K		
						EX	2720500827 2720500627 2720501627	3260	30.0	6	107.2	PN	45	K		
MERCEDES BENZ																
Smart Fourfour 1.1 12V Smart Fourfour 1.3 16V Smart Fourfour 1.5 16V Eng.M134E11-M135E13- M135E15	M134E11	2004	1124 1332 1499	3 4		IN	1350530001	3261	30.4	5	89.5	CV	45	A		
						EX	1350530005	3262	25.4	5	90.9	CV	45	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
MERCEDES BENZ														
C 180 1.8i 16V From Eng.12-008-004 Eng.111920	M111920	1998	1799	4		IN	1110531201	3263	32.9	7	101.5	CV	45	A
						EX	1110501327	3264	29.0	7	103.5	PN	45	A
						IN	606 053 02 30	G52453	12.56	7.02	37.5			Gh
						EX	606 053 02 30	G52453	12.56	7.02	37.5			Gh
MERCEDES BENZ														
S 500 E 55 AMG Classe G 500 CL 500 SL 500 ML 550 AMG Eng.M113.980	M113980	1999	4966 5439	V8		IN	1130530201	3265	37.9	7	119.2	PN	45	A
						EX	1130500327	3266	43.0	7	121.9	PN	45	A
						IN		G552678	12.56	7.02	50			MS
						EX		G552678	12.56	7.02	50			MS
MERCEDES BENZ														
A 180 A 200 A 250 B 200 B 250 CLA 180 CLA 250 ENG.M270 BLUE EFFICIENCY	M270 M274	2012 2013	1595 1911	4		IN	2700530001	3284	31.5	6	115.8	PN	45	K
						EX	2700500100	3285	25.0	6	107.1	PN	45	K
						IN								
						EX								
MERCEDES BENZ														
E 300 E 350 E 400 C 300 C 350 CLS 300 CLS 350 CLS 400 GLK 350 SL 350 R 350 ML 350 ENG. M276 - M278	M276 M278	2010 2014	3498	V6		IN	2780500126	3286	37.0	6	104.1	CV	45	K
						EX	2760500027	3287	30.0	6	107.3	PN	45	K
						IN								
						EX								
MERCEDES BENZ DIESEL														
240 D / TD - O 309 D 406 DG 407 D / 507 D / 510 D 207 D / 307 D / Ind. Eng. / Eng. OM 616 240 D 3.0 - 300 D / TD 240 GD 4x4 209 D / Ind. Eng. 300 GD 4x4 MB 100 D Eng. OM 617 300 TD Eng. OM 617 A - Turbo (35/39/48/53/56/59/65/92 KW)	OM617A	1973 1974 1978 1979 1990	2399 2998	4 5		IN	6160530201 6160530301 6170530001	0163	39.8	10	131.5	CV	30	VA
						EX	6160500027 6160500127 6170500027 6160500527	0164	34.2	10	131.0	PN	30	VA
						IN	616 053 03 29	G50108	14.03	10	60			Gh
						EX	621 053 36 30	G50110	14.03	10	48.5			Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.		
MERCEDES BENZ DIESEL																
Classe A	OM60715 OM607951	2012	1461	4		IN	6070531200	1702	33.4	6	101.0	PN	45	K		
						EX	6070531300	1703	28.9	6	100.8	PN	45	K		
MERCEDES BENZ DIESEL																
C 250 D C 250 D 20V E 250 E 300 TD E 220 D Eng.OM605910-605911-605962	OM605910 OM605911 OM605962	1993 1998	2497 2996	5 6		IN	6060531101	2046	29.0	6	105.4	PN	45	A		
						EX	6060501527 6060501127	2053	26.0	7	105.7	PN	45	A		
						EX	6060530705	2047	26.0	6	105.7	PN	45	A		
							IN	606 053 12 29	G52522	12.56	6	37.5			Gh	
	EX	606 053 12 29	G52522	12.56	6	37.5			Gh							
MERCEDES BENZ DIESEL																
C 220 D 16V E 300 D 24V (70/100 KW) Eng.OM604.910-OM606.910	OM604910 OM606910	1993	2155 2996	4 6		IN	6060530701	2048	29.0	6	105.4	PN	45	K		
						EX	6060530305	2049	26.0	6	105.7	PN	45	K		
		IN	606 053 12 29	G52522	12.56	6	37.5			Gh						
		EX	606 053 12 29	G52522	12.56	6	37.5			Gh						
MERCEDES BENZ DIESEL																
190 D - 200 D / TD Eng. OM 601 OM 603 C 200 D / E 200 D 16V Eng. OM 601.913 190 D Eng. OM 601 208 / 908 / 408 / 508 D Eng. OM 601 190 D 2.5 250 D / TD / GD 4x4 250 GD 4x4 Cabriolet / Station Wagon Eng. OM 602 190 D 2.5 Eng. OM 602 A - Turbo 210 / 310 / 41	OM601 OM602 OM603	1979 1983 1984 1985 1988 1989 1990 1993 1995	1997 2197 2299 2497 2874 2996 3449	4 5 6		IN	6010530401 6010530201 6010531701 6010531201	2747	38.0	8	106.4	PN	45	A		
						EX	6010502327 6010500227 6010502127 6010501927 6010501227 6010500527	2748	35.0	9	106.4	PN	45	A		
								IN	601 050 06 24	G52099	14.03	8	39.5			Gh
								EX	601 050 09 24	G52101	14.03	9	37.5			Gh
MERCEDES BENZ DIESEL																
A 160 Cdi A 170 Cdi A 170 Cdi LONG Vaneo 1.7 Cdi	OM668914	1998 2002	1689	4		IN	6680530101 6680530301	2790	29.6	6	105.2	PN	45	K		
						EX	6680500127	2791	24.6	7	105.0	PN	45	K		
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
MERCEDES BENZ DIESEL															
C 200 CDI / 200 CDI	OM611	1999	1991	4		IN	6110530101	2792	30.1	7	104.0	PN	45	A	
E 200 CDI / 200 CDI	OM612	2000	2148					6110530401							
V 220 CDI		2002	2151												
C Sportcoupé 200 CDI		2006													
B 200 CDI						EX	6110500127	2793	28.4	7	104.4	PN	45	A	
C 220 CDI							6110530105								
C 270 CDI															
S 320 CDI															
V 220 CDI															
Classe M 270 CDI															
Vito 108 CDI															
Vito 110 CDI															
Sprinter 208 CDI															
Sprinter 211 CDI															
Sprinter 213 CDI															
Sprinter 313 CDI															
Sprinter 415 C															
Sprinter															
														MS	
														MS	

MERCEDES BENZ DIESEL															
ML 400 Dci	OM646	2004	2148	4		IN	6280530001	2794	28.7	7	104.1	PN	45	A	
Sprinter U.S.A. OM647	OM647		2685	5				6460530001							
C 200 Cdi SportCoupè			3222	6											
C 220 Cdi			4000	8											
E 220 Cdi						EX	6280530005	2795	26.2	7	104.5	PN	45	A	
E 270 Cdi															
E 280 Cdi															
E 320 Cdi															
Vito 109															
Vito 111															
Vito 115															
Sprinter 208-308															
Sprinter 213-313-413															
Sprinter 316-416-616															
Eng. OM 646-OM 647															
														MS	
														MS	

MERCEDES BENZ DIESEL															
SMART 800 Cdi	OM660	2007	799	3		IN	6600530101	2796	27.6	6	91.2	PN	45	K	
Eng.OM660								Q0004570V003							
						EX	6600530005	2797	25.2	6	91.2	PN	45	K	
							Q0004569V003								

MERCEDES BENZ DIESEL															
C 180 Cdi	OM651	2010	1796	4		IN	6510530101	2798	28.5	6	108.9	PN	45	K	
C 200 Cdi			2143												
C 250 Cdi															
E 220 Cdi															
B 180 Cdi						EX	6510500127	2799	24.6	6	109.0	PN	45	K	
B 200 Cdi															
B 220 Cdi															
GLK 200 Cdi															
GLK 220 Cdi															
Eng.OM651															

MERCEDES BENZ DIESEL															
C 180 Blue Tec	OM626	2014	1598	4		IN	6260500500	2362	23.5	6	104.1	PN	45	K	
C 200 Blue Tec															
						EX	6260500800	2363	23.4	6	104.0	PN	45	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
MERCEDES BENZ DIESEL															
Classe A 160 Cdi	OM640	2004	1500	4		IN	6420530401	4218	28.5	6	102.3	PN	45	K	
Classe A 180 Cdi	OM642	2006	1991	V6			5175396AA								
Classe A 200 Cdi			3000												
Classe B 180 Cdi															
Classe B 200 Cdi						EX	6420500527	4219	25.4	6	102.3	PN	45	K	
Classe B 220 Cdi							5175397AA								
Smart four four 1.5 Dci															
C-CLK-CLS 320 3.0 Cdi V6 24V															
M 280-320 3.0 Cdi V6 24V															
R 320 3.0 Cdi V6 24V															
Vito 642															
GLK 350 Cdi															
E 350 Cdi															
MERCEDES INDUSTRIAL															
Eng. OM 346	OM346	1964	10809	6		IN	3460530001	154	42.0	9	129.8	PN	45	B	
Eng. OM 355 / 355 H	OM355	1967	11581				3460530101								
355 A - Turbo (136/155/177/191/205 KW)		1978													
						EX	3460530005	0155	37.0	9	165.3	PN	45	B	
							3550500127 3460530105								
						IN	346 053 09 29	G50803	15.03	9	67.5				Gh
						EX	355 053 03 30								
MERCEDES INDUSTRIAL															
Eng. OM 355 A - Turbo	OM355	1978	11581	6		IN	3550530001	2051	42.0	9	130.6	PN	30	B	
Eng. OM 346 - 951 (191/207 KW)	OM346														
						EX	3550530005	2052	37.0	9	165.9	PN	30	B	
							3550500027								
						IN	346 053 09 29	G50803	15.03	9	67.5				Gh
						EX	355 053 03 30								
MERCEDES INDUSTRIAL															
Eng. OM 401 / A - Turbo	OM401	1971	9570	6		IN	4230500026	2730	59.0	12	142.5	PN	30	B	
Eng. OM 421 / A / LA - Turbo	OM421	1972	10965	8			4030530901								
Eng. OM 407 / H / A / LA / HA / AH - Turbo	OM424	1976	11413	10											
Eng. OM 427 / H		1977	11961	12											
Eng. OM 427 / H		1979	12670			EX	4230500427	2731	51.0	12	142.6	PN	45	B	
Eng. OM 402		1980	14618				4230500327								
Eng. OM 422 / A / LA - Turbo		1981	15960				4030500427								
Eng. OM 403		1985	18270				4030501027								
Eng. 423 / A / LA - Turbo			20260												
Eng. OM 404 / A - Turbo			20910												
Eng. OM 424 / A / LA - Turbo (129-441) k			21930												
						IN	422 053 04 30	G51449	18.04	12	67				Gh
						EX	422 053 04 30								
MERCEDES INDUSTRIAL															
Atego 716	904936	1996	4249	4		IN	9060500326	2736	34.0	8	128.7	PN	20	A	
Atego 1017	904911														
Atego 1223	906910														
Eng. 904936 / 904911 / 906910															
						EX	9060500327	2777	37.9	8	152.5	PN	45	A	
							9060500327								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
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MERCEDES INDUSTRIAL

Vario 512 C 112 CV		1996	2298 2874	4 5		IN	6010531501	2747	38.0	8	106.4	PN	45	A		
						EX	6010501927	2748	35.0	9	106.4	PN	45	A		

MERCEDES INDUSTRIAL

541.920 / 922 / 923 / 925 1831 / 1835 / 1839 / 1843 2531 / 2535 / 2539 / 2543 (230/260/290/315 kW) Actros 1831 Actros 1835 Actros 1840 Actros 1843 Actros 2543 Actros 1848 Actros 2548 Actros 1853 Actros 1857 Eng. (541920-542944) Axor Capacity	OM501 OM 457.950 OM 457.973	1996 2007	11949 11967	V6		IN	5410500226	2749	45.5	9	145.0	PN	30	B	
						EX	5410500227	2761	41.0	9	145.0	PN	45	B	
						IN	541 053 12 30	G52617	15.03	9	61				Gh
						EX	541 053 12 30	G52617	15.03	9	61				Gh

MERCEDES INDUSTRIAL







Eng. OM 401 A / LA - Turbo Eng. OM 401 A / LA - Turbo Eng. OM 441 A / LA - Turbo Eng. OM 421 / A / LA - Turbo Eng. OM 407 / H / A / LA / HA / AH - Turbo Eng. OM 447 / H / A / LA / HA - Turbo Eng. OM 427 / H / A / LA / HA - Turbo Eng. OM 402 A/LA Tu Eng.OM	OM401 OM402 OM427 OM404 OM424 OM444	1971 1972 1976 1979 1981 1985 1987 1991	9570 10958 10965 11309 11413 11961 11967 11970 12670 12756 14600 14610 14618 15100 15960 18270 20910 21930	6 8 10 12		IN	4220500226	2750	58.9	12	142.5	PN	30	B			
						EX	4420500427	2751	51.0	12	142.5	PN	45	B			
							4420500227										
							4220500127										
							4220500027										
						IN	422 053 04 30	G51449	18.04	12	67				Gh		
						EX	422 053 04 30	G51449	18.04	12	67				Gh		

MERCEDES INDUSTRIAL






Vario 815 D Atego 815 Atego 817 Atego 1217 Atego 1228 Eng. 904914 / 904923 / 904910 / 904917 / 906915 Eng.OM904-907 LA12V Eng.OM924-926	OM904 OM924 OM926	1996 2000	4249 6374 7201	4 6		IN	9060500226	2776	33.9	8	125.9	PN	20	A	
						IN	9060500326	2736	34.0	8	128.7	PN	20	A	
						EX	9060500327	2777	37.9	8	152.5	PN	45	A	



MERCEDES INDUSTRIAL



Arocs Citaro	OM470	2014	10700	6		IN	4700500626	3271	42.5	9.5	239.9	PN	20	A	
						EX	4700500427	3272	40.0	9.5	246.5	PN	30	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.				
MERCEDES INDUSTRIAL																		
Citro Actros Mp4 Antos Arocs Atego 3 Econic 2	OM933	2014	7700	4 6		IN	9360500026	3273	37.5	8	193.6	PN	20	A				
						9360500126												
	EX					9360500027	3274	33.7	8	199.3	PN	35	A					
						OM934.911 OM934.913 OM934.971												
MERCEDES INDUSTRIAL																		
Eng.OM-BM 458991 OM457- OM 541	OM457		11946	v6		IN	5410530101	3280	45.5	9	144.8	PN	30	A				
	EX					4570500327	3281	42.2	9	144.9	PN	35	A					
MERCEDES INDUSTRIAL																		
Actros Euro 6	OM471	2011	12800	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A				
	EX					4710500527 4710500427	3283	43.5	9.5	246.6	PN	30	A					
MERCEDES INDUSTRIAL																		
OM 472902 OM 473902	OM472902 OM473902	2010		6		IN	4720500126 4730500126	3726	47.2	9.5	240.0	PN	20	A				
	EX					4730500127	3727	45.1	9.5	246.6	PN	30	A					
MERCEDES MODULATING VALVE																		
OM 442 OM 443 OM 444	OM442 OM443 OM444			v8 v10 v12		IN	4420160191	8001	17.0	8	84.0	PN	45	A				
	EX					4420160391	8002	17.0	8	90.3	BT	45	A					
MERCEDES MODULATING VALVE																		
OM 501 OM 502	OM501 OM502			v6 v8		IN	5410160791	8003	16.9	8	86.8	PN	45	A				
	EX					5410160791	8003	16.9	8	86.8	PN	45	A					



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
MERCEDES MODULATING VALVE																			
OM 926 OM 906 OM 924	OM926 OM906 OM924			6		IN	9060160791	8004	15.2	6	81.6	PN	20	A					
							EX	9060160791	8004	15.2	6	81.6	PN	20	A				
MINI																			
Cooper S 1.6 16V Roadster Cooper S	N14B16A	2007	1598	4		IN	11347587470 11347534508	2250	28.8	5	105.7	CV	45	K					
							EX	11347547187	2251	26.0	5	110.3	CV	45	K				
MINI																			
One 1.4 i 16V Clubman 1.6 i 16V Cooper 1.4 i 16V Cooper 1.6 i 16V Countryman	N12B14A N12B16A N16B16A N18B16A	2007	1397	4		IN	11347585901	2255	29.7	5	95.1	CV	45	K					
							IN	11347533884	3404	30.0	5	97.0	CV	45	K				
		2009	1598			EX	11347533885	3405	25.1	5	110.8	CV	45	K					
MINI																			
ONE 1.4 - 1.6 I 16V COOPER 1.4 i - 1.6 i 16V Eng.W10B14A-W10B16	W10B14A W10B16	2000	1398	4		IN	11341485585 11347513023	3407	30.3	6	109.0	CV	45	K					
							EX	11347829943 11347513024	3408	23.3	6	117.8	PN	45	A				
		2002	1598																
MINI DIESEL																			
Mini One Diesel	R55 R56	2006	1560	4		IN	11347805968	0898	25.6	5.5	96.4	CV	45	K					
							EX	11347805969	0899	23.4	5.5	96.6	PN	45	K				
MINI DIESEL																			
One 1.6 D 16V Cooper 1.6 D 16V Eng.9HZ Peugeot	9HZ	2009	1560	4		IN	0948G1	2272	25.6	5.5	96.0	CV	45	K					
							EX	0949F7	2273	23.5	5.5	96.2	PN	45	K				



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
MINI DIESEL															
Mini One Diesel	1NDTV	2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A	
						EX	11347791055	3416	28.0	6	100.0	CV	45	A	
						IN		G5S2701	11.09	6.01	40.6				MS
						EX		G5S2701	11.09	6.01	40.6				MS
MINI DIESEL															
Mini One Diesel 1.6 16V	N47C16A	2011	1598	4		IN	11347812618	9400	24.8	5	94.0	PN	45	K	
						EX	11347812616	9401	21.2	5	94.0	PN	45	K	
MINI DIESEL															
Lancer / Jupiter 1.2 Eng. G36 Galant / Lancer / Celeste / Delica / Fork 1.4 Eng. 4G33 Arrow / Celeste / Challenger / Champ / Chariot / Cordia / Delica / Fork / Galant / Lancer / Mirage / Sapporo / Tredia 1.6 Eng. G32 / 4 Galant 1.7 Eng. G35 (54-74)kW	G32 G33 G35 G36	1975 1977 1978	1238 1439 1597 1686	4		IN	MD000480	1422	38.0	8	106.0	PN	45	B	
						EX	MD000481 MD000481	1423	31.0	8	102.5	PN	45	B	
MINI DIESEL															
Lancer / Fiore / Colt Mirage 1.2 Eng. G11 Celeste / Lancer / Colt Fiore / Mirage / Tredia / Champ Challenger 1.4 Eng. G12 Lancer / Fiore / Colt Mirage 1.3 - 1.5 Eng. G13 Eng. G15 (53/56/60/64 KW)		1977 1978 1983	1244 1299 1410 1468	4		IN	MD016460	1428	34.0	6.6	102.1	CV	45	A	
						EX	MD003788 MD016461	1429	30.0	6.6	100.9	CV	45	A	
MINI DIESEL															
Lancer 2000 - Turbo Eng. G62 Eterna / Galant / Starion 2000 - T L 200 L 300 Eng. G63 / 4G63 (66/100/104 KW)	G62 G63	1981 1982 1990	1795 1997	4		IN	MD070691	1432	43.0	8	109.8	PN	45	A	
						EX	MD070694 MD070693	1433	35.0	8	108.7	PN	45	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
mitsubishi														
Mirage / Colt Eng. 4G61	4G61	1988	1595	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A
Mirage Turbo	4G63	1989	1800	MD127840										
Edipse 1.8		1990	1997	MD127847										
Laser / Talon 2.0 A		1991												
Laser Turbo / 2WD / 4WD		1992		EX	MD127841	1443	30.5	6.5	109.7	CV	45	A		
Tolon Turbo / 2WD / 4WD		1993			MD127848									
Vista 4WD					2221233000									
Edipse 2.0 16V					MD184078									
Galant 4WD				IN	MD020551	G52168	13.11	8.01	47				Gh	
Edipse Turbo 2WD / 4WD					EX									MD020561
Galant Eng. 4G63 (80/118 KW)														
Outlander 2.0 16V														

mitsubishi														
3000 GT			2972	6		IN	MD135479	2518	34.9	6.5	106.3	CV	45	A
Pajero 3.5 V6			3497	MD172315										
				MD135481										
					EX	MD135480	2519	30.5	6.5	105.5	CV	45	A	
				MD168241										
				MD183730										
				MD135482										
														












mitsubishi														
Colt 1.1 12V	3A91	2004	1124	3		IN	MR984260	3261	30.4	5	89.5	CV	45	A
Colt 1.3 16V	4A90		1332	4										
Colt 1.5 16V	4A91		1499											
Eng.3A91-4A90-4A91					EX	MR984261	3262	25.4	5	90.9	CV	45	A	
														







mitsubishi														
Space Star 1.8	4G94	1999	1834	4		IN	MD162780	3552	33.0	6	104.3	CV	45	A
Carisma 1.8														
Pajero Pinin 2.0 16V														
Eng.4G94					EX	MD162800	3553	28.2	6	103.8	CV	45	A	
														

mitsubishi														
Zolite Dohc			2000	4		IN	MD4667807	3554	34.8	6	111.8	CV	45	A
Misubishi Eclipse														
					EX	MD4667810	3555	30.5	6	109.9	CV	45	A	
														

mitsubishi														
Space Runner 2.4 16V				4		IN	MD348769	3556	34.0	6.5	105.6	CV	45	A
					EX	MD348770	3563	30.5	6.5	105.8	CV	45	A	
														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
mitsubishi																		
Outlander 2.4 16V Lancer 2.4 Galant 2.4 Eclipse 2.4	4G69	2004	2378	4		IN	MR994497	3559	34.0	6	111.5	CV	45	A				
							EX	MR994498	3560	30.5	6	113.6	CV	45	A			
mitsubishi																		
Space Wagon 2.0 Space Gear 2.0 Galant 2.0 2WD Expo 2.4 2WD / 4WD Vista 2.4 4WD Sonata 2.4 Space Gear 2.4 Space Runner 1.8 / 2.0 16V N 33W N 34W N 43W Space Wagon 2.0 16V Eng.4G63-6G4K-4G64	4G63 G64K 4G64	1989 1991 1992 1993 1999	2000 2400	4		IN	MD301193	4200	33.0	6	112.5	CV	45	A				
								MD159502										
							EX	MD197097	4201	29.0	6	114.0	CV	45	A			
								MD199193										
								MD306183										
								MD303177										
						IN		G52789	11.11	6	45.5				Gh			
						EX		G52850	11.11	6	50.5				Gh			
mitsubishi																		
Lancer 1.8 16V Lancer 2.0 16V Outlander 2.0 Outlander 2.4	4B10 4B11	2011	1800 2000 2400	4		IN	MN187696	4224	35.0	5.5	113.2	CV	45	A				
								1010A243										
							EX	MN183950	4225	29.0	5.5	105.8	CV	45	A			
								1011A178										
mitsubishi																		
Space Star 1.3 16V	4G13	1998	1299	4		IN	MD342090	5211	27.0	5.5	111.6	CV	45	A				
							EX	MD342091	5212	23.4	5.5	114.8	CV	45	A			
mitsubishi																		
Colt / Lancer GLS Mirage Eng. 4G13 / 15 (55/68 KW)	4G13 4G15	1989 1991	1299 1468	4		IN	MD128435	5216	30.9	6.6	100.9	CV	45	A				
							IN	MD128434	5215	26.0	6.5	100.7	CV	45	A			
							EX	MD139755	5214	33.0	6.5	101.0	CV	45	A			
								MD149314										
														G52166	12.04	6.6	44	
							G52167	12.04	6.6	49.5				Gh				
mitsubishi																		
Space Star 1.6 16V Lancer 1.6 16V	4G18	2004	1594	4		IN	MD339752	5217	29.0	5.5	115.5	CV	45	A				
							EX	MD339754	5218	25.4	5.5	114.7	CV	45	A			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.		
mitsubishi																
Colt / Mirage / Lancer Eng. G32B Chrysler 2.6 Mitsubishi Eng. (60 KW)	G32B	1985 1988	1598	4		IN	MD075925	6118	38.0	8	103.5	CV	45	A		
							EX	MD075927	6119	31.0	8	100.0	PN	45	A	
mitsubishi																
Mitsubishi Eng.6G72 3000 V6	6G72			6		IN	MD088811 2221135004	6120	43.0	8	103.2	CV	45	A		
							EX	MD088812 MD096219	6121	35.0	8	102.8	CV	45	A	
						IN	MD000461	G52143	13.12	8	44			Gh		
					EX	MD000471	G52144	13.12	8	48				Gh		
mitsubishi																
Mitsubishi Eng.4G64	4G64					IN	MD085253	6123	46.0	8	106.9	CV	45	A		
							EX	MD085254	6124	38.0	8	105.2	CV	45	A	
						IN	MD020551	G52168	13.11	8.01	47			Gh		
					EX	MD020561	G52169	13.11	8.01	52			Gh			
mitsubishi																
Chrysler 2.6 Mitsubishi Eng.				4		IN	MD024518	6127	46.0	8	110.3	CV	45	B		
							IN	MD083849 MD083848	6125	46.0	8	108.3	CV	45	A	
							EX	MD024519	6128	38.0	8	108.0	CV	45	B	
							EX	MD083851	6126	38.0	8	105.5	CV	45	A	
																
mitsubishi																
Colt 1.8 Colt 1.6 Vista 4WD Expo 2WD / 4WD Summit Station Wagon 2 WD / 4WD Carisma 1.6 Pinin 1.8 16V Eng.4G93	4G93	1992 1993 1998	1800	4		IN	MD162799 MD162422	6129	30.0	6	110.0	CV	45	A		
							EX	MD162423	6130	27.0	6	113.5	CV	45	A	
						IN	MD300702	G52789	11.11	6	45.5			Gh		
					EX	MD300702	G52789	11.11	6	45.5			Gh			
mitsubishi																
Pajero 3.8 V6	G7HP	2007	3828	V6		IN	MN163799	6131	36.5	6	109.4	CV	45	A		
							EX	MN163286	6132	32.0	6	113.5	CV	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
MITSUBISHI DIESEL																	
Carisma 1.9 TD	F8QT	1996	1870	4		IN	7701466716	0650	36.2	8	111.7	PN	30	A			
						EX	7701466717	0651	31.6	8	111.3	PN	45	A			
						IN		G52105	13.07	8	39				Br		
						EX		G52105	13.07	8	39				Br		
MITSUBISHI DIESEL																	
Carisma Sedan 1.9 TD Hatchback		1999	1870	4		IN	M889130 M852144	0714	35.0	8	110.3	PN	45	A			
						EX	M889131 M852146	0715	31.5	8	110.5	PN	45	A			
						IN		G52105	13.07	8	39				Br		
						EX		G52105	13.07	8	39				Br		
MITSUBISHI DIESEL																	
Carisma 1.9 Di Space Star 1.9 DI-D Space Star 1.9 DI-D HP	F9Q	2004	1870	4		IN	MW30620685	0726	35.3	7	110.9	PN	45	A			
						EX	MW30620686	0727	32.6	7	110.7	PN	45	A			
						IN		G52585	12.06	7	38.3				Br		
						EX		G52585	12.06	7	38.3				Br		
MITSUBISHI DIESEL																	
Pajero 4x4 / Galant Delica / Ram 50 2.3 Eng. 4D55 (62 KW)	4D55	1980	2346	4		IN	MD050552	1434	40.0	8	136.5	PN	45	L			
						EX	MD050543	1435	34.0	8	136.5	PN	45	L			
						IN	MD050523	G52170	13.11	8	71				Gh		
						EX	MD050527	G52171	13.11	8	74				Gh		
MITSUBISHI DIESEL																	
Pajero / L 3000 / Galant Eng. 4D55 / 4D55T / 4D56 / 4D56T L 200-L300 / Pajero 2.3D - 2.3TD - 2.5D - 2.5 TD Space Gear 2.5 TD Eng. 4D56 Turbo Turbo Diesel Double Cab (62 KW)	4D55	1984	2345	4		IN	MD083661 MD083657	1440	40.0	8	136.5	PN	45	A			
	4D56					1988	2347 2476	EX	MD083662 MD083659	1441	34.0	8	136.5	PN	45	A	
								IN	MD050523	G52170	13.11	8	71				Gh
								EX	MD050527	G52171	13.11	8	74				Gh
MITSUBISHI DIESEL																	
Space Gear 2.5 TD Pajero Metal Top 2.5 (73 KW) Eng.4D56T	4D56T	1991	2477	4		IN	MD198404	1599	40.1	8	130.0	PN	45	A			
						EX	MD198406	1600	34.0	8	129.7	PN	45	A			
						IN	MD050523	G52170	13.11	8	71				Gh		
						EX	MD050527	G52171	13.11	8	74				Gh		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MITSUBISHI DIESEL															
Pajero 2.8 TDi			2835	4		IN	ME200050	1601	41.0	8	108.6	PN	45	A	
						EX	ME200051 ME200051	1602	35.0	8	108.4	PN	45	A	
						IN		G52452	13.08	8	58				Gh
						EX		G52452	13.08	8	58				Gh












MITSUBISHI DIESEL															
Canter						IN	ME013810	2482	44.0	8.9	136.8	PN	45	B	
						EX	ME220217	2483	37.1	8.9	136.9	PN	45	B	
						IN									
						EX									

MITSUBISHI DIESEL															
Grandis 2.0 Di-D Outlander 2.0 DI-D Eng.BSY	BSY	2007	1968	4		IN	MN980080	3120	29.1	6	87.8	PN	45	K	
						EX	MN980081	3121	25.4	6	87.5	PN	45	K	
						IN									
						EX									

MITSUBISHI DIESEL															
Pajero 2.5 Tdi	4D56T	2001	2477	4		IN	2221142860	3229	40.0	8	132.5	PN	45	A	
						EX	21242860	3230	34.0	8	132.4	PN	45	A	
						IN	MD050523	G52170	13.11	8	71				Gh
						EX	MD050527	G52171	13.11	8	74				Gh

MITSUBISHI DIESEL															
Pajero Metal Top 3.2 TDi		2000	3497	6		IN	ME203101	3580	33.0	6.5	115.5	PN	45	A	
						EX	ME203102	3581	30.9	6.5	115.4	PN	45	A	
						IN									
						EX									

MITSUBISHI DIESEL															
L200 2.5 Di-D 16V	4D56U	2005	2477	4		IN	MN176597	3586	31.5	6	107.6	PN	45	A	
						EX	MN176598	3587	27.5	6	108.0	PN	45	A	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
MITSUBISHI DIESEL																
Colt 1.5 DI-D		2004	1493	3		IN	MN960088	4218	28.5	6	102.3	PN	45	K		
							EX	MN960089	4219	25.4	6	102.3	PN	45	K	
																
MITSUBISHI DIESEL																
Fuso Canter 3C13 Fuso Canter 3C15 Fuso Canter 3S13 Fuso Canter 5S13 Fuso Canter 6C15 Fuso Canter 6C18 Fuso Canter 6S15 Fuso Canter 7C15 Fuso Canter 7C18 Fuso Canter 7C18 Eco Hybrid	4P10T2 4P10T3 4P10T4 4P10T6	2013	2998	4		IN	QQC000162	5640	32.4	6	119.9	PN	30	K		
							EX	QQC000143	5641	32.3	6	119.9	PN	30	K	
																
MITSUBISHI DIESEL																
Space Wagon 2.0 TD Space Wagon 2.4	4D68 4D68T	1999	1998 2351	4		IN	MD173602	6133	36.0	8	114.1	PN	45	A		
							EX	MD180356	6134	31.9	8	113.6	PN	45	A	
																
MTZ																
80.1221 82.1221	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B		
							EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B	
																
NISSAN																
Kubistar 1.6 i 16V Eng.K4M Renault	K4M	2003	1598	4		IN	1320100QAA	0448	32.7	5.5	109.3	CV	45	A		
							EX	1320200QAA	0449	28.0	5.5	107.7	PN	45	A	
																
NISSAN																
Kubistar 1.2 Eng.D7F	D7F	2005	1149	4		IN	1320100QAH	0806	33.0	6	106.8	PN	30	A		
							EX	1320200QAG	0807	29.8	6	106.8	PN	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
NISSAN																	
Primastar V27-V29 Primastar 2.0 16V Eng.F4R.L7	F4R	2004 2006	1870 1995	4		IN	1320100QAE	1006	33.4	5.5	110.1	CV	45	A			
							EX	1320200QAE	1007	28.9	5.5	108.9	PN	45	A		
NISSAN																	
Cherry / Homy Gazelle / Laurel / Leopard / Silvia / Skyline / Sunny 2.0 Eng. Z20 720 Eng. Z22 Terrano 4x4 720 Eng. Z24 / Z24i (64/76/78/79 KW) Pathfinder 4x4 (USA) Urvan	Z20 Z22 Z24	1979 1981 1986 1989	1952 2200 2400	4		IN	13201N8501	1206	42.0	8	124.4	CV	45	B			
							EX	13202N8500	1208	38.0	8	125.4	CV	45	B		
						IN	13212-W0510	G52352	12.23	8.01	67.5				Gh		
						EX	13213-W0510	G52357	12.23	8.01	67.5				Gh		
NISSAN																	
Bluebird 1800T Gazelle / Silvia Eng. CA 18T	CA18T	1983	1809	4		IN	1320117F00	1209	41.0	7	105.7	CV	45	L			
							EX	1320222F00	1210	35.0	7	107.0	CV	45	L		
NISSAN																	
Pulsar / Sentra Eng. E16 (62 KW)		1983	1600	4		IN	1320169A00 1320131M00	1211	37.0	7	116.7	CV	45	B			
							EX	1320231M00 1320269A00	1212	30.0	7	116.1	CV	45	B		
NISSAN																	
Bluebird / Laurel / Silvia / Skyline 1.8 Eng. L18 Datsun / Pick-up 2.0 Eng. L20B Cedric / Fairlady 260Z / Gloria / Laurel 2.6 Eng. L26 (78/81/103 KW)	L18 L20 L26	1970 1972 1974	1770 1952 2565	4 6		IN	1320178500 13201A1100	1213	42.0	8	116.5	CV	45	B			
							EX	1320278501 13202N0401 13202S0500	1207	35.0	8	117.5	CV	45	B		
						IN	13212-21010	G51323	12.03	8.01	59				Gh		
						EX	13213-21010	G51324	12.03	8.01	59				Gh		
NISSAN																	
Almera 1.8 Almera Tino 1.8 Primera 1.8 16V Eng.QG18DE	QG18DE	2001	1769	4		IN	132012F000	1224	30.0	5.5	92.3	CV	45	A			
							EX	132029F610 132029F600 132020M200 1320295F0B	1221	25.0	5.5	92.6	CV	45	A		
						IN	13212-53Y60	G52514	9.51	5.5	40				Gh		
						EX	13213-53Y60	G52512	9.51	5.5	40				Gh		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
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NISSAN

Almera 1.4 Almera 1.6 16V Primera 1.6 16V (96 KW) Serena 1.6 16V Sunny 1.4 Sunny 1.6 i 16V Primera 1.6 SD 16V (55/66 KW) Vanette 1.6 i 16V Eng.GA16DE	GA16DE	1998 2001	1392 1597	4		IN	1320153Y00	1224	30.0	5.5	92.3	CV	45	A		
							132014M500									
							132014M700									
							132012F000									
							1320171J00									
							1320157Y00									
							EX	132022F000	1225	24.0	5.5	92.6	CV	45		A
							1320271J00									
							1320253Y00									
1320253Y60																
1320257Y00																
IN	13212-53Y60	G52514	9.51	5.5	40				Gh							
EX	13213-53Y60	G52512	9.51	5.5	40				Gh							

NISSAN

Almera 2.0 i 16V Serena 2.0 i 16V Sunny / Primera 1.8-2.0 16V Eng. SR 20Di / SR 20 DE (85/156 KW)	SR20DE SR20DI	1990	1998	4		IN	132011E710	1226	34.0	6	101.5	PN	45	A		
							132011E700									
							1320153J00									
							1320153J00									
							1320170J00									
							EX	1320264Y00	1227	30.0	6	102.5	PN	45		A
							1320264Y02									
							1320289J00									
1320270J10																
IN		G52577	10.03	6.01	43				Gh							
EX		G52517	10.03	6.01	43				Gh							

NISSAN

Sunny / Primera 2.0 16V Eng. SR 20 DE (110/204 KW) 200 Sx	SR20DI	1990	1998	4		IN	132011E700	1226	34.0	6	101.5	PN	45	A		
							132011E710									
							1320153J00									
							1320189J00									
							1320189J00									
							EX	1320270J00	1229	30.1	7	102.5	PN	45		A
							1320253J02									
IN		G52577	10.03	6.01	43				Gh							
EX		G52580	11.03	6.01	43				Gh							













NISSAN

Maxima Eng. G 30 DE		1992	4			IN	1320197E00	1230	35.0	6	110.5	PN	45	A	
EX	1320297E00	1231	30.6	6	102.6	PN	45	A							
IN															
EX															













NISSAN















Kubistar 1.2 16V Eng.D4F712 Renault	D4F	2003	1149	4		IN	1320100QAJ	1704	26.0	5.5	110.7	PN	45	K	
EX	1320200QAK	1705	22.0	5.5	112.5	PN	45	K							
IN															
EX															











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
NISSAN																
Gazelle / Silvia / Skyline 2000 Eng. FJ 20		1981	1990	4		IN	13201R2001	2823	34.5	7	125.3	CV	45	B		
							EX	13202R2000	2824	30.0	7	125.2	CV	45	B	
NISSAN																
Bluebird / Stanza Eng. CA 16 auster / Bluebird / Laurel / Skyline / Stanza / Violet 1800 Eng. CA 18 / CA 16 Bluebird / Cedric / Gloria 2.0 Eng. CA 20 - NA 80 - NB 8 - L 14 - 20 Praire / Bluebird SD Eng. CA 20 (60/71/74/81 KW)		1981 1983 1986 1989/92	1598 1809 1973 1974	4		IN	13201D0200	2829	40.0	7	106.7	CV	45	L		
							EX	13202D1200 13202D0100	2828	35.0	7	108.0	CV	45	L	
						IN EX		G52177 G52178	11.03 11.03	7 7	45 45			Gh Gh		
NISSAN																
Bluebird / Astar Skyline / Libertà Laurel / Stanza Violet / Atlas / Fire / Bluebird Eng. Z16 - 18 - 20	Z16 Z18 Z20	1977	1595 1600 1800 2000	4		IN	13201W0401 13201Y8780	2841	42.0	8	126.5	CV	45	B		
							EX	13202W0401 13202W8780	2843	38.0	8	127.5	CV	45	B	
NISSAN																
Cherry / Datsun / Pulsar / Sunny 1500 Eng. A1	A15	1983	1487	4		IN	13201H9500	2844	35.0	8	99.8	CV	45	B		
							EX	13202H9500	2845	30.0	8	99.8	CV	45	B	
NISSAN																
March Micra Eng. M10 March Micra Eng. M12 (37/42/44 KW)	M10 M12	1986 1991	988 1235	4		IN	1320150K00 1320101B00 1320110B00	2864	35.1	7	109.7	CV	45	B		
							EX	1320201B00 1320210B00	2865	30.1	7	109.7	CV	45	B	
							EX	1320250K02	2899	30.1	7	109.2	CV	45	B	
NISSAN																
Almera Tino 2.0 Primera 2.0 X-Trail 2.0 16 V Teana 2.0 16V Eng. QR20DE-SR20DE	QR20DE SR20- DEP11	2001	1998	4		IN	132012J201 132012J202 132012F200	2866	34.1	6	98.4	CV	45	A		
							EX	132022J201 132022F210	2867	30.0	6	99.3	CV	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
NISSAN															
Micra 1.1 16V Micra 1.3 16V Eng. CG 10 / CG 13 / CG10DE Micra 1.5 Micra 1.4 (46/58/60 KW)	GC10 GC13	1992 2000	998 1275	4		IN	1320199B10 1320199B00	2868	27.5	5.5	95.8	CV	45	A	
						EX	1320299B10 1320299B00	2869	22.5	5.5	95.8	CV	45	A	
															
NISSAN															
Cedric V30 / Fairlady 300 Z / Gloria V30 / Pathfinder 4x4 (USA) Terrano 4x4 Eng. VG 30 Eng. VG 30T (113 KW)	VG30 VG30T	1983 1986 1993	2960	6		IN	13201V5202 132010B000	2870	42.0	7	125.5	CV	45	L	
						EX	132020B000 13202V6510 1320207P00	2871	35.0	8	124.5	CV	45	L	
							IN EX	13212-V5010 13213-V5010	G52353 G52354	11.23 12.23	7 8.01	58.6 63.5			
NISSAN															
Almera 1.5 (66 KW) Eng. QG15DE	QG15DE	2000	1497	4		IN	13201BM500	2898	29.1	5.5	92.3	CV	45	A	
						EX	1320253Y60	1225	24.0	5.5	92.6	CV	45	A	
							IN EX	13212-53Y60 13213-53Y60	G52514 G52512	9.51 9.51	5.5 5.5	40 40			
NISSAN															
X-Trail 2.0 16V X-Trail 2.5 16V Eng. QR20DE Eng. QR25DE	QR20DE QR25DE	2003	1998 2488	4		IN	132018H300	3600	35.6	6	97.2	PN	45	A	
						EX	132026N200	3601	30.7	6	98.8	CV	45	A	
							IN EX	13212-8P360 13213-6N260	G552710 G552712	10.03 10.03	6.01 6.01	41.8 44			
NISSAN															
Micra 1.0 16V Micra 1.2 16V Micra 1.4 16V MICRA C+C 1.4 16V NOTE 1.4 16V Eng. CR10DE Eng. CR14DE Eng. GC12DE	CR10DE CR14DE	2003 2010	998 1240 1386	4		IN	132011F700 13201BC000	3602	27.4	5.5	97.8	CV	45	A	
						EX	132021F700 13202BC000	3603	22.5	5.5	97.9	CV	45	A	
															
NISSAN															
Altina Frontier Xterra KA 24 DE			2389			IN	132019E000 13201VJ260	3604	36.6	7	101.1	PN	45	A	
	EX	132029E000 13202VJ26A				3605	31.3	7	98.8	PN	45	A			
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
NISSAN																	
Almera 1.5 16V	QG15DE	2004	1497	4		IN	13201BM505	3606	29.0	5.5	94.4	CV	45	A			
							EX	13202BM500	3607	24.0	5.5	94.7	CV	45	A		
								IN	13212-53Y60	G52514	9.51	5.5	40				Gh
								EX	13213-53Y60	G52512	9.51	5.5	40				Gh
NISSAN																	
Almera 1.8 16V Primera 1.8 16V	QG18DE	2004	1769	4		IN	13201AU300	3608	30.0	5.5	94.3	CV	45	A			
							EX	13202AU300	3609	25.0	5.5	94.7	CV	45	A		
								IN	13212-53Y60	G52514	9.51	5.5	40				Gh
								EX	13213-53Y60	G52512	9.51	5.5	40				Gh
NISSAN																	
Patrol 4 X 4 Eng.TB48E		2002		6		IN	13201VC200	3610	38.5	7	100.2	PN	45	A			
							EX	13202VC200	3611	33.3	7	98.3	PN	45	A		
NISSAN																	
Micra C+C 1.6 16V Note 1.6 16V Qashqai 1.6 16V Tilda 1.6 16V Juke 1.6 16V Eng.HR16DE	HR16DE	2006 2010	1596	4		IN	13201ED000 13201ED00A 13201ED00C	3616	31.1	5	101.7	CV	45	A			
							EX	13202ED000 13202ED00A 13202ED00C	3617	25.4	5	102.5	CV	45	A		
NISSAN																	
QASHQAI 2.0 16V X-Trail 2.0 i 16V Sentra 2.0 i 16V Eng.MR20DE	MR20DE	2006	1997	4		IN	13201EN20A	3618	33.9	5.5	106.3	CV	45	A			
							EX	13202EN200	3619	27.7	5.5	105.2	CV	45	A		
NISSAN																	
Altima Eng. KA24DE		1993		4		IN	1320153F02	3620	36.6	7	101.3	PN	45	A			
							EX	1320253F00	3621	31.3	7	98.8	PN	45	A		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
NISSAN														
Maxima QX 2.0		1999	1995	V6		IN	1320131V60	3622	29.1	6	103.9	CV	45	A
						EX	1320231V60	3623	24.1	6	101.5	CV	45	A
														
NISSAN														
Maxima QX 3.0		1999	2988	V6		IN	1320138V60	3624	36.1	6	97.6	PN	45	A
						EX	1320238V60	3625	34.1	6	95.1	PN	45	A
														
NISSAN														
Infinity VG 30 DE J 30 Nissan 300 ZX			3000	6		IN	13201F6511	3626	34.1	6	103.2	CV	45	A
						EX	1320240P00 13202F6511 1320230P00	3627	29.6	6	103.7	PN	45	A
														
NISSAN														
Pixo 1.0 GPL Eng.LP4-K10B	LP4 K10B	2011	996 1242	3 4		IN	132014A00A	3628	27.5	5.5	87.5	PN	45	A
						EX	132024A00D	3629	22.9	5.5	87.0	CV	45	A
														
NISSAN														
Pulsar XN Sentra		1992	1600 2000	4		IN	1320184A00	3634	29.0	6	113.6	CV	45	A
						EX	1320284A00	3635	32.8	7	116.2	CV	45	A
														
NISSAN														
Stanza XE L4 2.4		1984	2400	4		IN	1320140F00	3636	34.1	7	121.3	PN	45	A
						EX	1320240F01	3637	40.0	8	122.3	CV	45	A
														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
NISSAN																	
Altima GXE L4	KA24DE	1997	2400	4		IN	132010Z800	3640	36.7	7	99.4	CV	45	A			
							EX	132020Z800	3641	31.4	7	96.8	CV	45	A		
								IN		G5S2763	11.03	7.01	52.6				MS
								EX		G5S2765	12.03	8.01	56				MS
NISSAN DIESEL																	
Primera 1.9 Dci Primastar V27-V29 Dci 100 Interstar V28 Dci Primastar 2.0 Dci Eng.F9Q Renault	F9Q	2003 2005 2007	1870 1995	4		IN	13201AW300	0726	35.3	7	110.9	PN	45	A			
								1320100QAM									
								EX	1320200QAN 13202AW300	0727	32.6	7	110.7	PN	45	A	
								EX	1320100QAC	0726	35.3	7	110.9	PN	45	A	
								EX		G52585	12.06	7	38.3				Br
EX		G52585	12.06	7	38.3					Br							
NISSAN DIESEL																	
Kunbistar 1.5 Dci Micra 1.5 d Almera 1.5 Dci NOTE 1.5 Dci QASHQAI 1.5 Dci Juke 1.5 Dci Cube 1.5 Dci Eng.K9K-Renault	K9K	2003 2006 2010	1461	4		IN	13201BN700	1702	33.4	6	101.0	PN	45	K			
								1320100QAN									
								1320100QOG									
								1320100QAK									
								132011980R									
	EX	13202BN700 1320200QAP	1703	28.9	6	100.8	PN	45	K								
	EX																
NISSAN DIESEL																	
Primastar V27-V29 Dci 135 Interstar V28- V33- V35 2.5 DCi Primastar 2.5 DCi Eng.G9U.A7 Eng.G9T.F7	G9U G9T	2004 2007	2463	4		IN	1320100QAD	1708	30.6	6	123.2	PN	45	K			
								EX	1320200QAD	1709	29.5	6	123.0	CV	45	K	
								EX									
NISSAN DIESEL																	
Patrol GR 3.0 Di Interstar V35 3.0 Dci	ZD30TI	2001 2004	2953	4		IN	132012W200	1718	32.0	7	113.5	CV	45	A			
								1320100QAL									
								132012W20A									
								EX	1320200QAM 132022W200 132022W20A 1320200QAH	1719	30.0	7	113.4	CV	45	A	
EX																	
EX																	
NISSAN DIESEL																	
Atlas / 720 / Homy 2.3 Truck E 23 / F 22 Eng. SD 23 Atlas / F 22 / H 40 Eng. SD 25 (54/57 KW)	SD23 SD25	1983	2289 2488	4		IN	13201L2000	2874	40.0	8	117.0	PN	45	A			
								EX	13202L2000	2875	34.0	8	117.0	PN	45	A	
								EX									
IN		13211-V1700	G52179	12.03	8	52				Gh							
EX		13211-V1700	G52179	12.03	8	52				Gh							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
NISSAN DIESEL																
Patrol Eng. RD 28 T - Turbo 85 Kw	RD28	1988 1989	2826	6		IN	1320122J01	2882	39.0	7	102.8	PN	45	B		
							1320122J00									
							1320122301									
							EX	13202V7203	2883	32.0	7	102.6	PN	45		B
13202V7202																
																
NISSAN DIESEL																
Patrol Eng. RD 28 T - Turbo (85 KW)	RD28	1989	2826	6		IN	132010Y000	2884	39.0	7	101.8	PN	45	B		
							1320122J11									
							1320122J10									
							EX	1320240L01	2885	32.0	7	101.6	PN	45		B
132024P400																
1320240L00																
																
NISSAN DIESEL																
Pick up 2.7 D 4WD Terrano / Terrano II Eng. TD 27 T - Turbo (73 KW) Trade 100 106 CV 3.0 D Eng. BD30 Cabstar 90-32 92 CV Cabstar 110-35 110 CV Atleon 110-35 110 CV Eng. TD 42T Pathfinder 2.7 TD	TD24 TD27 BD30	1989	2663	4		IN	13201G2403	2890	43.5	8	117.0	PN	45	A		
							1320143G01									
							EX	1320251N00	2891	38.0	8	117.0	PN	45		A
							13202G2403									
							1320231N01									
							132027F400									
						IN	13212-54T00	G52561	12.03	8	47				Gh	
						EX	13212-54T00	G52561	12.03	8	47				Gh	
NISSAN DIESEL																
Almera 2.0 TD Primera 2.0 TD	CD20T	1998	1974	4		IN	1320160J04	2892	39.1	7	99.7	PN	45	A		
							1320160J03									
							EX	1320260J02	2893	32.1	7	99.6	PN	45		A
						IN		G52177	11.03	7	45			Gh		
						EX		G52583	11.03	7	48			Gh		
NISSAN DIESEL																
Serena 2.3 D Vanette 2.3 D 75CV Trade 75 D Cabstar 75 - 28 Eng. LD23	LD23	1998 2001	2283	4		IN	132019C600	2894	41.5	8	118.0	PN	45	A		
							EX	132029C601	2895	33.1	8	117.6	PN	45		A
						IN	13212-9C641	G52780	12.24	8.01	59.1			Gh		
						EX	13212-9C641	G52780	12.24	8.01	59.1			Gh		







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
NISSAN DIESEL															
Almera 2.2 Di Almera Tino 2.2 Dci 80 Kw Almera Tino 2.2 Dci 100 Kw Primera 2.2 Dci X-Trail 2.2 TD di Eng.YD22ETI Pathfinder 2.5 Dci Eng.YD25DDTi	YD22ETI YD25DDTi	2001 2003 2006	2184 2488	4		IN	13201BN300	2896	28.2	6	106.7	PN	45	A	
							13201AD210								
							13201EB300								
							13201AD21A								
							13201EB70A								
EX	13202BN300	2897	26.2	6	106.4	PN	45	A							
	13202AD200														
	13202EB300														
	13202AD20A														
	13202EB70B														
	IN	13212-AD260	G52714	10.03	6.01	59.7								Gh	
	EX	13213-AD260												G552716	10.03
NISSAN DIESEL															
Qashqai 1.6 Dci Eng. R9M	RLM R9M	2011	1598	4		IN	1320100QJ	2362	23.5	6	104.1	PN	45	K	
							132010370R								
EX	1320200QOL	2363	23.4	6	104.0	PN	45	K							
	1320200QOP														
	132024894R														
NISSAN DIESEL															
Micra 1.5 D Eng.VJZ Peugeot Eng.TUD5	VJZ TUD5	1998	1527	4		IN	132016F900	3644	37.0	7	108.4	PN	45	A	
EX	132026F900	3645	31.6	7	108.3	PN	45	A							
NISSAN DIESEL															
Infinity VH 45 DE	VH45DE	1990 1994	4500	8		IN	1320167U00	3648	38.0	7	102.0	CV	45	A	
EX	1320267U00	3649	33.0	8	102.4	PN	45	A							
NISSAN DIESEL															
Primastar 2.2 Dci Eng.M9R QASHQAI Eng.M1D Xtrail 2.0 Dci	M1D M9R	2007	2200	4		IN	1320100QQA	3652	27.7	6	103.9	PN	45	K	
							132012274R								
EX	1320200QQA	3653	26.1	6	103.8	CV	45	K							
NISSAN DIESEL															
Aleon 70.14 - 75.14 - 75.16 95.16 - 120.16 - 120.21 - 150.21 Eng.B4.40Ti Eng.B6.60Ti L35-L50-L60-L70-L75-L80-L90- L110-M90--M110-M125-M130- M140-M160-T135	B4 B6	2004	3989 5985	6		IN	132019X700	3660	44.9	9.5	123.1	PN	30	K	
EX	132029X700	3661	38.9	9.5	123.4	PN	45	K							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
NISSAN DIESEL															
Forklift Eng.K21 Eng.K25			2100 2500	4		IN	13201FY500	3662	38.2	7	99.3	CV	45	B	
						EX	13202FU400	3663	32.2	7	99.5	CV	45	B	
															
NISSAN DIESEL															
Murano 2.5 Dci Eng.YD25	YD25	2011	2488	4		IN	132011AT0A	3664	28.5	6	106.0	PN	45	A	
						EX	132021AT0A	3665	25.9	6	105.5	PN	45	A	
															
NISSAN DIESEL															
Nissan T375 Cummins Engine		2006	8300	6		IN	3800340	15415	38.0	8	137.8	PN	30	A	
						EX	3800341	15416	38.0	8	137.9	PN	45	A	
															
OPEL															
Astra 1.4 Corsa 1.4 (60 KW) Combo 1.4 i Eng.C14SE	C14SE	1991	1389	4		IN	641015	0556	38.0	7	104.6	CV	45	A	
						EX	641317 90409996	0557	31.0	7	104.6	CV	45	A	
															
						IN		G51951	11.03	7.02	45.8				Gh
						EX		G51951	11.03	7.02	45.8				Gh
OPEL															
Corsa 1.2 GL / GLS / S / ST Kadett 1.2 D / E Kadett D / L / Berlina Kadett 1.2 / GL / GLS / LS Corsa 1.3 GL / GLS / L / SR Corsa 1.3 S / GT Kadett E / D / L / Berlina Kadett 1.3 GL / GLS / LS Ascona 1.3 L / Berlina Manta CC / L / Berlinetta Corsa B / Swin	C12NZ C14NZ	1985 1988 1989 1996	1195 1389	4		IN	642763 90409992 641002 90323519	0572	33.0	7	104.6	PN	45	A	
						EX	642890 641302	0573	29.0	7	104.5	PN	45	A	
															
						IN		G51951	11.03	7.02	45.8				Gh
						EX		G51951	11.03	7.02	45.8				Gh
OPEL															
Vivaro 2.0 16V Eng. F4R720	F4R720	2001	1998	4		IN	4411048 93160645	1006	33.4	5.5	110.1	CV	45	A	
						EX	4411049 93160646	1007	28.9	5.5	108.9	PN	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
OPEL																			
Omega 3.0i 24V Senator 3.0 24V Lotus Omega 3.6 Turbo (150/277 KW)		1990	2969 3638	6		IN	641008	2060	37.4	7	89.3	PN	45	K					
							EX	641310	2061	30.4	7	96.1	PN	45	K				
																			
OPEL																			
Corsa 1.0 12V Corsa 1.2 12V Corsa 1.2 16V Agila 1.0 12V Agila 1.2 16V Astra 1.6 16V Zafira 1.6 16V Adam 1.4 16V Astra 1.4 16V	Z10XE Z10XEP Z12XEZ A12XEL A14XER	1999 2001 2004 2007 2011 2012	973 1195 1598	3 4		IN	641045	2068	28.0	5	93.8	CV	45	K					
								641051											
								641094											
								9158477											
							EX	641354	2069	25.0	5	93.8	CV	45	K				
								641364											
								641090											
								641095											
								641096											
																			
OPEL																			
Astra 1.6 Corsa 1.6 Kadett S 1.6 Vectra 1.6 C / E (55/75 KW) Eng.16SZR-C16LZ	16SZR C16LZ	1985 1987 1988 1991	1598	4		IN	642679	2146	38.0	7	101.3	CV	45	A					
								90295011											
							EX	642911	2147	31.0	7	101.4	CV	45	A				
								642911											
								90295015											
	642854																		
						IN		G51951	11.03	7.02	45.8			Gh					
					EX		G51951	11.03	7.02	45.8			Gh						
OPEL																			
Kadett GSI 16V Vectra 16V / Turbo Astra 2.0 16V Calibra 2.0 4x4 / 16V Turbo (110/115 KW) Corsa 1.4 16V Eng.20XE-C20ET-Z14XEP-A14XEL	20XE C20ET Z14XEP A14XEL	1988 1990 1991	1998	4		IN	642758	2148	33.0	7	104.9	PN	45	K					
								90281714											
							EX	90281715	2149	29.0	7	105.0	PN	45	K				
								642858											
						IN	2108- 1007032/20	G52326	14.06	8.02	38			Gh					
					EX	2108- 1007033/20	G52593	13.03	7	41			Gh						
OPEL																			
Kadett 1.6 S Ascona L / Berlina SR Kadett L / Berlina SR (66 KW) Eng.16S	16S	1981 1985	1598	4		IN	642635	2156	35.0	8	106.1	PN	45	A					
							EX	642789	2157	32.0	8	106.1	PN	45	A				
																			













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
OPEL																
Astra 1.8i	E18NVR	1986	1746	4		IN	642667	2164	41.8	7	103.8	CV	45	A		
Manta S	C18NZ	1987	1988													
Omega 1.8 N / S		1988														
Omega 1.8i		1989														
Vectra 1.8		1990					EX	642829 641306	2165	36.5	7	103.6	CV	45	A	
Ascona 2.0i		1991							2246	36.5	7	104.6	PN	45	A	
Astra / Frontera 2.0i																
Calibra 2.0i																
Omega 2.0i						IN		G51951	11.03	7.02	45.8				Gh	
Kadett GSI / Cabriolet						EX		G51951	11.03	7.02	45.8				Gh	
Vectra 2.0																
Chevy Monza 1.8-2.0 (65/66/85/95 KW)																
OPEL																
Corsa B CDX 1.4i 16V	Z14XE	1991	1389	4		IN	55557781 641080	2168	31.0	6	103.1	CV	45	K		
Tigra 1.4 16V	Z16XE	1993	1598					24463777								
Tigra 1.6 16V	X14XE	1994						641034								
Corsa B GSi 1.6i 16V	X16XE	1996						641061								
Vectra B 1.6 16V		1999														
Astra 1.4 i 16V-1.6i 16V (66/74/78 KW)		2006														
Zafira 1.6 16V						EX	641375 55354874	2169	27.5	6	102.2	CV	45	K		
Combo 1.4 B 60 CV							24463778									
Meriva 1.6 16V							641394									
Eng. Z14XE-Z16XE-X14XE							641340									
Corsa 1.4 16V																
Zafira A 1.6 16V																
Astra G 1.6 16V																
UP To 20FD1						IN		G52482	10.03	6	45				Gh	
						EX		G52482	10.03	6	45				Gh	
OPEL																
Astra 1.8 16V	X20XE	1993	1796	4		IN	641022	2170	32.0	6	102.1	PN	45	K		
Astra 2.0 T 16V	Z24XE	1994	1799	6												
Eng.Z20	X30XE	1995	1998	V6												
Vectra B 1.8 16V	X20SED	1996	2198													
Vectra 2.0i 16V / B 2.0 16V		1999	2405				EX	641325 641331	2171	29.0	6	92.2	PN	45	K	
Omega 2.0i 16V		2001	2498					641321								
Calibra 2.0i 16V		2007	2961													
Frontera 2.2																
Frontera 2.2 16V Eng.Y22/X22																
Vectra 25i 24V / B 2.5 24V																
Calibra 2.5 24V																
Omega 2.5i 24V																
Omega 3.0 24V MV6																
Zafira 1.8 16																
Corsa 1																
OPEL																
Corsa 1.8 16V	E18XE	2001	1364	4		IN	641048	2184	31.2	5	101.3	CV	45	K		
Astra 1.4 16V	X18XE1	2003	1796													
Astra 1.8 16V	Z18XEL	2004														
Vectra 1.8 16V	Y20DTH	2013														
Signum 1.8 16V							EX	641357	2185	27.4	5	100.8	CV	45	K	
Meriva 1.4 16V																
Meriva 1.8 16V																
Mokka 1.4																
Mokka X 1.4																
OPEL																
Signum 2.0T 16V	Z20NET	2003	1998	4		IN	641063 641066	2192	35.1	6	102.2	CV	45	K		
Eng.Z20	Z22SE		2200													
Zafira 2.2 16V																
Eng.Z22SE							EX	641380 641376	2193	30.1	6	100.9	CV	45	K	







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.								
OPEL																							
Astra 1.6 16V Insigna 1.6 i 16V Zafira 1.6 16V Eng.A16XER-A16LET Eng.Z16XEP Ecotec Twinport	Z16XEP	2004 2006 2008 2010	1598 1796	4		IN	55557862	2350	31.2	5	117.2	CV	45	K									
							642078																
							642029																
							55572518																
	EX	55558728 641401 641379 641100 55572519	2351	27.4	5	116.2	CV	45	K														
OPEL																							
Frontera 3.2 V6 Eng.6VD1	6VD1	2001	3465	V6		IN	641049	2621	34.0	6	103.8	CV	45	A									
							EX									641360	2622	28.9	6	103.4	CV	45	A
OPEL																							
Zafira B 16V Astra 1.6 i Turbo 16V Insigna 1.8i 16V Corsa 1.6 16V Eng.Z16LET-A16XEL Eng.Z18XEP/XER	Z16LER A16XER	2005 2007 2008	1598 1800	4		IN	641076	2660	31.2	5	113.9	CV	45	K									
							EX									641391 641392	2661	27.5	5	113.2	CV	45	K
						IN	24405805	G552814	10.03	5	37				MS								
						EX	24405805	G552814	10.03	5	37				MS								
OPEL																							
Zafira 1.6 16V Eng.Z16XNT-A16XNT	Z16XNT A16XNT	2009	1598	4		IN	55567302 641460	3077	31.2	5	99.9	PN	45	K									
							EX									55567301 641459	3078	27.0	5	99.1	PN	30	K
						IN		G52482	10.03	6	45				Gh								
						EX		G52482	10.03	6	45				Gh								
OPEL																							
Agila B 1.0 Agila B 1.2 Eng.K10B-K12B	K10B K12B	2011	996 1242	3 4		IN	93193754 4708925	3628	27.5	5.5	87.5	PN	45	A									
							EX									93193762 4708933	3629	22.9	5.5	87.0	CV	45	A
OPEL																							
Agila 1.2 16V Eng.K12BWT	K12BWT	2010	1242	4		IN	1291169L00	3852	27.5	5	87.5	CV	45	A									
							EX									1291569L00 1291569LG0	3853	22.9	5	87.1	PN	45	A

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
OPEL DIESEL																	
Eng. ME 1 D25 BMW Omega 2.5 TD (96 KW)		1993	2497	6		IN	641058 641041	0098	35.9	6	103.7	PN	45	K			
						EX	641346 641374	0099	30.9	6	103.6	PN	45	K			
OPEL DIESEL																	
Vivaro 2500-2700-2900 1.9 DTi Movano 2800 1.9 CDTi Eng.F9Q.M7 Renault	F9QM7	2004	1870	4		IN	4402633 4415921	0726	35.3	7	110.9	PN	45	A			
						EX	4402634 4415922	0727	32.6	7	110.7	PN	45	A			
						IN		G52585	12.06	7	38.3				Br		
						EX		G52585	12.06	7	38.3				Br		
OPEL DIESEL																	
Astra 1.9 16V CDTi Vectra 1.9 16V CDTi Signum 1.9 CDTi Zafira 1.9 16V CDTi Eng.Z19DT Fiat	Z19DT	2004	1910	4		IN	641075 641073 641074	1398	27.8	6	114.4	PN	45	K			
						EX	641403 641386 641385	1399	25.8	6	114.4	PN	45	K			
OPEL DIESEL																	
Vivaro 2500-2700-2900 1.9 D 2500-2700-2900 2.5 Dti Movano 2800-3300-3500 2.5 CDTi Eng.G9T.C7 Renault	G9TC7 G9U	2004	1870 2463	4		IN	4506083	1708	30.6	6	123.2	PN	45	K			
						EX	4506084	1709	29.5	6	123.0	CV	45	K			
OPEL DIESEL																	
Movano 3300-3500 3.0 CDTi Eng.ZD3.A2	ZD3A2	2004	2953	4		IN	4415247	1718	32.0	7	113.5	CV	45	A			
						EX	4415246	1719	30.0	7	113.4	CV	45	A			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
OPEL DIESEL															
Eng. 1.6 D / 1.6 DA Kadett 1.6 D / LS / GL / GLS Ascona 1.6 D / LS / GL / CD Kadett 1.6 D Caravan / LS / GL / LS Eng. 1.7 D / 1.7 DR / 1.7 DTL - Turbo Vectra 1.7 D Astra 1.7 D (40/42/50 KW) Astra 1.7 TD Eng.X17DTL-17DR	16D 16DA X17DT X17DTL 17DR	1982 1988 1991 1993	1598 1700	4		IN	642651	2154	36.0	8	123.2	CV	45	A	
						EX	641353 641345 642818	2155	32.0	8	123.2	CV	45	A	
						IN		G52093	12	8	50				Gh
						EX		G52093	12	8	50				Gh
OPEL DIESEL															
Eng. 4 ECI Corsa Swing D Chevrolet Spectrum Eng. 4 ECI Turbo Corsa Swing - Kadett TD Eng. 1.7 TD Astra / Vectra Vectra B Eng. 4EEI Corsa B (37/44/49/60 KW) Combo 1.7 D 60CV Eng.17DT-X17DT-15D	17DT X15DT X17DT 15D 4ECI 4EEI	1987 1988	1488 1686	4		IN	641007 641044 641000	2172	34.6	7	104.1	PN	45	A	
						EX	641300 641322	2173	30.6	7	104.0	PN	45	A	
OPEL DIESEL															
Corsa 1.7 Di Corsa 1.7 Dti Meriva 1.7 16V Dti Astra 1.7 16V CDTi Astra 1.9 16V CDTi (59-74 Kw) Eng.Y17DT (48/55 Kw)	Y17DT	2001 2003 2004	1686 1910	4		IN	641025	2186	27.4	6	98.5	PN	45	A	
						EX	641369	2187	26.5	6	98.1	PN	45	A	
						IN		G52696	11.05	6	42				Gh
						EX		G52696	11.05	6	42				Gh
OPEL DIESEL															
Astra 2.0 Di Vectra 2.0 DTi Omega 2.0 Eng. X 20 DTH / DTL 60 / 74 KW Omega 2.2 DTi Frontera 2.2 Dti Zafira 2.0 16V Zafira 2.2 16V DTi Astra 2.0 16V Dti Astra 2.2 16V Dti Signum 2.2 16V Dti Signum 2.0 16V Dti Sintra 2.2 Tdi 16V Eng.Y20DTH - Y22DTR	Y20DTH Y22DTR X22DTH	1998 2001	1994 1995	4		IN	642168 641068 55353375 642165	2188	29.0	6	97.1	PN	45	K	
						EX	642208 642211 641381 12992480	2189	26.0	6	97.1	PN	45	K	
						IN		G552482	10.03	6.01	45				MS
						EX		G552482	10.03	6.01	45				MS
OPEL DIESEL															
Astra 1.7 CdTi Meriva 1.7 CdTi Zafira 1.7 CdTi Eng.A17DTC-Z17DTR	A17DTC Z17DTR	2010	1686	4		IN	641085 642027	2314	27.5	6	102.5	PN	45	A	
						EX	641400 641086	2315	25.4	6	102.3	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
OPEL DIESEL																	
Antara 2.0 16V CDTi Antara 2.2 16V CDTi Insigna 2.0 CDTi Eng.A20DTC-DTJ-DTH-DTR Eng.Z20DMH	Z20DMH	2007	1991	4		IN	96440147 4805321 96951454 4817354	2316	28.6	6	95.7	PN	45	K			
	A20DTC	2009	1956														
	A20DTJ	2011	2231														
	A20DTH A20DTR																
						EX	96440148 4805322 4817338 96951455	2317	24.4	6	95.7	PN	45	K			
																	
OPEL DIESEL																	
Antara 2.2 CDTi Eng.A22DM-A22DMH	A22DM	2010	2231	4		IN	4802219	2327	28.5	5.0	101.9	PN	45	A			
	A22DMH																
						EX	4802220	2328	26.5	5.0	101.9	PN	45	A			
																	
OPEL DIESEL																	
Signum 3.0 V6 CDTi Vectra 3.0 V6 CDTi Eng.Y30DT	Y30DFT	2003	2958	V6		IN	641067	2352	27.4	6	98.5	PN	45	A			
						EX	641384	2353	26.5	6	98.1	PN	45	A			
																	
OPEL DIESEL																	
Signum 3.0 V6 CDTi Vectra 3.0 V6 CDTi Eng.Z30DT	Z30DT	2005	2958	V6		IN	641084	2360	30.0	6	98.4	PN	45	A			
						EX	641397	2361	28.0	6	97.9	PN	45	A			
																	
OPEL DIESEL																	
Vivaro 1.6 MD	R9M	2014	1600	4		IN	4423068 95517881	2362	23.5	6	104.1	PN	45	K			
						EX	4423303 95518256 4423067 95517880	2363	23.4	6	104.0	PN	45	K			
																	
OPEL DIESEL																	
Insigna 2.0 CdTi Astra 2.0 CdTi Zafira 2.0 CdTi Signum 2.0 CdTi Eng.A20NHT	A20NHT	2010	1956	4		IN	641464 55565261	2658	27.9	5	114.4	PN	45	K			
						EX	641465 641106 55565262	2659	24.4	5	114.4	PN	45	K			
																	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
OPEL DIESEL																			
Movano 2.8 Tdi Eng.S9WA7 Sofim	S9WA7	1998	2798	4		IN	7301820	2705	41.0	8	121.0	PN	30	A					
						EX	99432873	2671	36.0	8	122.0	PN	45	A					
																			
OPEL DIESEL																			
Agila 1.3 16V CDTi Corsa 1.3 16V CDTi Astra 1.3 16V CDTi Eng.Z13DT-Z13DTH-D13A	Z13DT Z13DTH D13A	2004 2008	1248	4		IN	641072 641077 4708612 93193443 642028	2924	21.8	6	109.2	PN	45	K					
						EX	641071 641402 4708613 93193444	2925	21.8	6	109.2	PN	45	K					
																			
						IN		G552805	10.03	6.02	43							MS	
						EX		G552805	10.03	6.02	43								MS
OPEL DIESEL																			
Corsa 1.3 CdTi Eng.A13DTC-DTE Eng. Z13DTE-DTR	A13DTC A13DTE Z13DTE Z13DTR	2010	1248	4		IN	641475 642052	2944	22.4	6	109.2	PN	45	K					
						EX	641101	2945	22.4	6	109.3	PN	45	K					
																			
OPEL DIESEL																			
Vivaro 2.0 DCI Eng.M9R Movano 2.3 CDTi Eng.M9T	M9R M9T	2006 2011	1995 2299	4		IN	4431242 4420439 93168105	3652	27.7	6	103.9	PN	45	K					
						EX	4431241 93161681 7701476595	3653	26.1	6	103.8	CV	45	K					
																			
OPEL DIESEL																			
Frontera 2.8 TD		1993	2771	4		IN	641042	3910	40.1	8	118.1	PN	45	A					
						EX	641352	5101	35.7	8	118.0	PN	45	A					
																			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
PAZ														
3205	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B
PERKINS														
Eng. D3.152 Eng. D4.203 (31/41 KW)	D3152 D4203	1959 1970	2491 3330	3 4		IN	31431741 31431281	0589	39.0	7.9	114.3	PN	45	A
						IN	31431681	0578	39.0	7.9	114.3	PN	55	A
						EX	31431941 31431271 31431591	0590	33.4	7.9	114.0	PN	45	A
						EX	31431731	5443	33.5	7.9	118.4	CV	45	A
						EX	31431761	0579	33.4	7.9	114.3	PN	55	A
PERKINS														
Eng. Prima 65 Eng. Prima T - Turbo (40/60 KW)	Prima65 Prima80	1987 1993	1994	4		IN	BDU1399 LGH10036	0591	37.2	7.4	93.8	PN	45	A
						EX	BDU1400 LGH10037	0592	33.6	7.4	93.8	PN	45	A
						IN	L343FF01	G51975	12.06	7.46	39			Gh
						EX	L343FF01	G51975	12.06	7.46	39			Gh
PERKINS														
Series 700 Forklift Cat 3034		2004		4		IN	1457503	2906	42.0	7	106.4	PN	45	K
						EX	4803849 1457499 3142A101	2907	34.0	7	106.3	PN	45	K
PERKINS														
Series 1106C Marine Turbo	NY75380	2012	6600	6		IN	3142H091	4032	35.0	6	108.2	PN	30	K
						EX	3142A181	4033	33.0	6	107.9	PN	45	K
PERKINS														
Series 9010 Tractor	DX NK38856	2012		4		IN	3142H101	4034	46.4	9	129.1	PN	45	K
						EX	3142A171	4035	41.6	9	128.5	PN	30	K









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
PERKINS																
Eng. Phaser T6.60 - Turbo Eng. Phaser T4.40 - Turbo Eng. 160 T - Turbo Eng. 180 TI - Turbo (116/130 KW)		1986	5985	4/6		IN	3142L072	5082	45.0	9.5	122.9	PN	30	A		
						IN	3142L051 3142L071	5080	45.0	9.5	122.9	PN	45	A		
						EX	3142A051	0577	37.4	9.5	123.3	PN	45	A		
						IN	33261732	G50934	15.92	9.52	58					Gh
						EX	3343J002	G50935	15.92	9.52	61.2					Gh






PERKINS																
Eng. 4.212 N / 1 Eng. 4.236 Ebro L 80 Eng. G4.236 Eng. 4.248 Eng. 6.354 Eng. T6.354 - Turbo Eng. T6.354.1 - Turbo Eng. T6.354.2 - Turbo Eng. T6.354.3 - Turbo Eng. 6.354.4 Eng. T6.354.4 - Turbo Eng. 6.672.4 - 6.372 (47/61/87/96/119 KW)	4212	1960	3475	4 6		IN	3142H002	5438	44.2	9.5	122.8	PN	30	A		
	4236					IN	31431315 31431103 31431641 31431311 31431351 31431871	0587	44.2	9.5	122.8	PN	45	A		
	4248															
	6354															
	6372															
						EX	31431701	2905	36.6	9.5	127.1	CV	45	A		
						EX	31431881 31431931 31431851 31431891 31431791 31431109 31431104	0588	36.6	9.5	123.3	PN	45	A		
						EX	3142A051	0577	37.4	9.5	123.3	PN	45	A		
						IN	33261732	G50934	15.92	9.52	58					Gh
						EX	3343J002	G50935	15.92	9.52	61.2					Gh







PERKINS															
Series 700 Forklift Cat 3034		2014	2956	4		IN	1888640	5441	44.0	7	106.4	PN	45	K	
						EX	1529857	5442	37.2	7	106.5	PN	45	K	











PERKINS															
Series 1000 Eng. YH Eng. YG Eng. AQ	YH	2005	4000 6000	4 6		IN	3142L081 3142L088	6502	43.0	9	123.0	PN	30	A	
	YG														
	AQ														
						EX	3142D051	6503	41.0	9	123.0	PN	30	A	






PERKINS															
Series 1004 Turbo CC A4 401 CC T4 401	660	2004				IN	3142D041	6506	43.0	9	122.9	PN	45	A	
			EX	3142D031		6507	41.1	9	123.0	PN	45	A			









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
PERKINS																
Series 1004 CC 4421		2004				IN	3142H041	6513	45.0	9	124.1	PN	45	A		
						EX	3142D061	6514	42.0	9	124.1	PN	45	A		
PERKINS																
Series 1104 Series 1106		2007		4 6		IN	3142H071	6515	46.4	9	129.1	PN	30	A		
						EX	3142A151	6516	41.6	9	129.2	PN	30	A		
PEUGEOT																
205 Rallye Eng. TU24 (74 KW)	TU24	1991	1294	4		IN	094864	0102	39.3	8	111.8	PN	45	K		
						EX	094965	0103	31.2	8	111.5	PN	45	K		
PEUGEOT																
204 304 GL / LE Eng. XK5 304 S / SL3 / GL / GLE / GLS 305 GL / GR Eng. XL5 / S 304 Break Fourgonette 305 S / SR / Break Eng. XR5 (44/48/54/55 KW)	XK5 XL5 XR5	1975 1977	1127 1290 1472	4		IN	094839	0600	39.4	8	116.0	CV	30	A		
						EX	094934 094936 094944	0601	32.5	8	113.2	CV	45	A		
						IN EX	0220-40 0220-40	G51411 G51411	14.05 14.05	8.01 8.01	51 51				Gh Gh	
PEUGEOT																
404		1964 1968 1995	1468 1618	4		IN	094834	0610	41.5	8	119.0	CV	30	A		
						EX	094921	0611	35.5	8	112.0	PN	45	A		
						IN EX	0220-25 0220-25	G50942 G50942	14.05 14.05	8.01 8.01	55 55				Gh Gh	
PEUGEOT																
405 A / GTI Eng. KF1 / KF2 504 TI / L / GL Eng. KF5 / 6 - XM7 504 TI / GL Eng. XN 1 / 2 J5 1.8 Carb J7 1.6 Carb J7 1.8 Carb J9 2.0 Carb (56/60/65/71/81 KW)	KF1 KF2 KF5 XM7	1962 1968 1969 1972	1618 1976 1971	4		IN	094829 094833	0618	42.6	8	118.6	CV	30	A		
						EX	094921 094927	0611	35.5	8	112.0	PN	45	A		
						IN EX	0220-25 0220-25	G50942 G50942	14.05 14.05	8.01 8.01	55 55				Gh Gh	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.			
PEUGEOT																	
505 J7 / C / CP / CS / CT Eng. XC5P J7 / J9 Eng. XC7P J5 / J7 F / FP / FS / FT 505 L Eng. XM7 / T / P 505 GR / SR - 604 Eng. XN1 / 6 J5 / J9 Eng. XN1T J5 Fourgon / J9 Express 250 / 290 / 310 / 350 Eng. XN1 / XN6 / XN1P / XN1T / XN1TA (40-75)kW	XN1	1965	1618	4		IN	094855	0618	42.6	8	118.6	CV	30	A			
	XN6	1970	1796														
	XN1P	1971	1971														
	XN1T	1979															
	XN1TA	1981						EX	094955	0619	35.5	8	112.0	CV	45	A	
		1989							094956								
		1990							094969								
									IN	0220-25	G50942	14.05	8.01	55			Gh
									EX	0220-25	G50942	14.05	8.01	55			Gh
PEUGEOT																	
204 / C / GL / L Eng. XK4 304 Berlina Cabriolet / Coupé Break Eng. XL (44/48 KW)	XL	1969	1130	4		IN	094830	0620	36.9	8	126.4	CV	30	A			
	XK4	1975	1288														
								EX	094928	0621	29.5	8	125.5	CV	45	A	
									094923								
						IN	0220-28							Gh			
						EX	0220-28							Gh			
PEUGEOT																	
104 - 104 GL / ZA 205 GL Eng. XV 3 / 5 / 8 (33/34 KW)	XV	1972	954	4		IN	094831	0622	34.8	8	113.4	CV	30	A			
		1980															
		1983															
								EX	094929	0623	27.8	8	113.4	CV	45	A	
									094931								
						91502890											
						IN	0220-51	G51956	13.07	8.01	47.5			Gh			
						EX	0220-51	G51956	13.07	8.01	47.5			Gh			
PEUGEOT																	
104 GL6 / GR / SL / ZA / ZR / ZS / ZS2 / GLS 205 GR / XR / GL Eng. XW 3 / 5 - 35 - 7 104 ZS / ZR / SR Eng. XZ5 104 ZS / S / ZS2 Eng. XY6B / XYR 205 GT / GR / SR Eng. XY 7 / 8 (37/41/42/44/49/52/53/69 KW)	XY	1972	1124	4		IN	7910010826	0624	36.8	8	113.4	CV	30	A			
	XZ	1979	1219						7910025377								
	XW	1980	1361						094838								
		1980															
		1983															
								EX	094942	0625	29.3	8	113.6	CV	45	A	
									7910006855								
									094933								
									IN	0220-51	G51956	13.07	8.01	47.5			Gh
						EX	220510	G51956	13.07	8.01	47.5			Gh			
PEUGEOT																	
304 Berlina Coupé / Cabriolet		1972	1288	4		IN	094832	0629	38.9	8	126.3	CV	30	A			
		1975															
								EX	094928	0621	29.5	8	125.5	CV	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
PEUGEOT															
505 TI / STI Eng. ZEJ 500 GTI / STI / TI 505 STI / GTI Eng. ZDJL (79/85 kw)	ZDJL	1979 1981 1982	1995 2165	4		IN	094836	0635	43.9	8	112.0	PN	30	A	
						EX	094938	0659	38.6	8	111.4	PN	45	A	
						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh
PEUGEOT															
504 V6 / TI 604 SL / TI Eng. ZM / ZMJ 504 - 604 GTI Eng. ZNJ (100/106/112 KW)	ZNJ	1974 1977 1984	2664 2849	6		IN	094836	0635	43.9	8	112.0	PN	30	A	
						EX	094930 094932	0637	37.0	8	111.3	PN	45	A	
						IN		G51961	13.05	8.01	51				Gh
						EX	0220-58	G51961	13.05	8.01	51				Gh
PEUGEOT															
505 V6 Eng. ZN3 / K 605 SV 3.0 / SR 3.0 Eng. ZNJ (125 KW)	ZNJ ZN3J	1987 1989	2849 2975	6		IN	094860	0658	46.0	8	112.6	CV	45	A	
						EX	094961	1273	39.0	8	111.7	PN	45	A	
						IN	0220-58								
PEUGEOT															
309 GL 309 GR 205 Eng. E1A / E1B (41 KW)	E1A E1B	1986	1118	4		IN	094851	0696	34.0	8	106.5	CV	45	A	
						EX	138851 094953	0833	29.0	8	107.5	PN	45	A	
PEUGEOT															
Simca 1.0 Simca 1.1 Simca 1.1 S Simca 1.0 S Rallye Simca 1.1 Special Matra / Simca 1.1 TI Eng. 349 / 350 / 353S / 352 / 366 / 371 (29/35/36/44/55/61 KW)		1970 1972 1973 1975	944 1118 1204 1284 1296	4		IN	3780600 131336 553421	0696	34.0	8	106.5	CV	45	A	
	EX					3781100 131337 554682	0697	28.0	8	107.5	PN	45	A		
PEUGEOT															
205 GL / XE / Junior Eng. C1A TU9A 106 XR / XN Eng. C1A TU9K 205 GL / GR 106 1.0 (32/33 KW)	C1A TU9A TU9K	1986 1991	954 1124	4		IN	094857	0818	34.7	7	112.8	PN	30	A	
						EX	094958	0819	27.7	7	112.6	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.						
PEUGEOT																					
205 GTI Eng. XU5J 305 GT / GR / SR Eng. XY5S 309 GT Eng. XU5J 205 Automatica / 305 Automatica 309 GR / SR 405 1.6 GL / GR / SR / GS Eng. XU5 - 1C 305 Export 305 GT / GT Break Eng. XU5 (58/68/77 KW)	XU5 XU5J	1982 1984 1985 1986 1987	1580	4		IN	094847	0828	40.0	8	109.0	PN	45	A							
							EX	094952	0829	33.0	8	108.0	PN	45	A						
							EX	094948	0817	32.0	8	108.7	PN	45	A						
						IN	0220-64	G52298	13.07	8.01	38.7				Br						
				EX		0220-72	G52301	13.07	8.01	45					Br						
PEUGEOT																					
305 GTX Eng. XU9 - S 309 GTI 205 - 305 405 GLI / GR / SR Eng. XU9 - JI 405 GE / DL / GR / SR Eng. XU9 - 2C (75/77/79 KW)	XU9	1984 1985 1987	1905	4		IN	094854	0830	39.5	8	105.2	PN	45	A							
							EX	094954	0831	33.0	8	105.2	PN	45	A						
													IN		G52298	13.07	8.01	38.7			
				EX	0220-72	G52301	13.07	8.01	45						Br						
PEUGEOT																					
309 GL / Profil 1.3 309 GR / SR 1.3 205 Eng. G1A / G1B / G2S 309 GT 1.6 Eng. G1 / G2 (47 KW)	G1 G1A	1986	1294 1592	4		IN	094852	0834	36.0	8	107.0	CV	45	A							
								9751651580													
							EX	138851 094953 9751668880	0833	29.0	8	107.5	PN	45	A						
																					
PEUGEOT																					
505i Turbo Eng. N9TE (123 KW)	N9TE	1984	2156	4		IN	094848	0836	42.9	9	119.0	PN	45	A							
							EX	094949	0837	37.9	9	118.2	PN	45	A						
																					
PEUGEOT																					
306 XT / Cabriolet 405 GRi / GTX / SRi / STi 605 SLi / SVi / SR / SRi 806 SR / ST Eng. XU10 - 2C / XU10 - J2 605 RTi / SVTi Turbo 806 ST / SV Turbo Eng. XUJ2CTE Ulisse Fiat Eng. Peugeot (85/96 KW)	XUJ2CTE	1989 1992 1993 1994	1998	4		IN	094866	0840	42.6	8	108.8	PN	45	K							
							EX	094976 094966 094972	0841	34.5	8	108.4	PN	45	K						
													IN	0220-85	G52419	13.07	8.01	43.6			
				EX	0221-21	G52422	13.07	8.01	50.6						Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
PEUGEOT															
605 SV 24V Eng. ZPJ4 (147 KW)	ZPJ4	1989	2975	v6		IN	094867	0842	37.0	7	127.4	PN	45	K	
						EX	094967	0843	32.0	7	125.0	PN	45	A	
						IN		G52565	12.07	7.01	53				Br
						EX		G52565	12.07	7.01	53				Br
PEUGEOT															
106 XR / RT Eng. TU1K - MZ 205 GL / GR Eng. H1ATU1 306 309 GE Eng. TU1 205 CJ / GR / SR / XR Eng. K1ATU3 205 CT / GT / XS / XT Eng. K2ATU3S 104 GLS / ZA / ZR / ZS / ZS2 306 XR / Cabriolet Eng. TU1M / TU3MC 309 GE / GL / GR / SX / XL / XS 307 1.4 306 1.4 2	TU32 HFX	1986 1987 1990 1991 1993 2001 2010	1124 1360	4		IN	094891	0849	36.7	7	112.8	CV	45	A	
						IN	094858	0838	36.7	7	112.8	PN	30	A	
						EX	094959	0839	29.2	7	112.6	PN	45	K	
						IN	0220-59	G52314	13.06	7	47.5				Gh
						EX	0220-59	G52314	13.06	7	47.5				Gh
						IN	0220-59	G52314	13.06	7	47.5				Gh
PEUGEOT															
106 Rallye Eng. TU 3F - J2K / TU2J2 106 XIS Eng. TU3F - J2K 106 Rallye 106 1.6 XS Aut. 106 XSi 306 XT / Cabriolet (65/70/72 KW) 206 1.6 306 1.6	TU3F	1991 1993 1999 2001	1294 1361 1578	4		IN	094865 094873	0850	39.4	7	111.7	CV	30	K	
						IN	094893	0872	39.4	7	111.7	CV	45	K	
						EX	094970	0851	31.3	7	111.5	PN	45	K	
						IN	0220-84	G52441	13.07	7	48.5				Br
						EX	0220-84	G52441	13.07	7	48.5				Br
						IN	0220-84	G52441	13.07	7	48.5				Br
PEUGEOT															
306 Rallye 306 2.0 16V 106 1.8 16V Coupé 2.0 16V 406 1.8 16V Eng. XU7JP4 806 2.0 i 16V Eng. XU10J4R	XU10J4R	1998 2000	1998	4		IN	094886 (to 7664) 094892 (from 7665)	0854	34.6	6	106.4	PN	45	A	
						EX	094992 0949A6	0855	29.6	6	105.7	PN	45	A	
						IN	0221-19	G52334	12.07	7	40				Br
						EX	0221-24	G52646	12.065	6	40.8				MS
PEUGEOT															
607 1.8 16V 407 1.8 16V Eng. EW7J4	EW7J4	2000 2004	1794	4		IN	0948A4	0873	29.8	6	106.0	PN	45	A	
						EX	0949A4	0874	27.3	6	104.0	PN	45	A	
						IN	0221-25	G52644	12.065	6	40.8				Br
EX	0221-24	G52646	12.065	6	40.8				MS						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
PEUGEOT																
206 GTI 406 2.0 16V 806 2.0 16V Expert Combi 2.0 16V 307 2.0 16V 206CC 807 2.0 16V Eng. EW10J4	EW10J4	1999 2000	1997	4		IN	094899	0875	33.3	6	106.1	CV	45	A		
						EX	094999	0876	28.9	6	103.6	PN	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
PEUGEOT																
406 2.0 hpl 16v Eng. RLZ EW10D	EW10DRLZ	2001	1998	4		IN	0948A7 0948C6	0877	32.4	6	105.1	CV	45	A		
						EX	0949C2 0949A7	0878	29.2	6	102.7	CV	45	A		
						IN	0221-25	G52644	12065	6	40.8					Br
						EX	0221-24	G5S2646	12065	6	40.8					MS
PEUGEOT																
607 2.2 16V Eng. EW12J4	EW12J4	2000	2230	4		IN	0948A1	0883	35.1	6	106.0	CV	45	A		
						EX	094999	0876	28.9	6	103.6	PN	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
PEUGEOT																
406 2.2 16V 407 2.2 16V 807 2.2 16V Eng. EW12J4	EW12J4	2000 2004	2230	4		IN	0948A1 0948C5	0883	35.1	6	106.0	CV	45	A		
						EX	0949A2	0884	30.9	6	102.9	CV	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
PEUGEOT																
307 2.0 16V Eng. XU10J4RS	XU10J4RS	1997	1998	4		IN	094882	0887	34.1	6	106.4	CV	45	A		
						EX	094987	0888	30.7	6	105.3	CV	45	A		
						IN	0220-96	G52833	12.06	6	40.8					Br
						EX	0220-96	G52833	12.06	6	40.8					Br
PEUGEOT																
306 1.6 16V Ranch 1.6 16V 206 1.6 16V 1007 1.6 16V Eng. TU5J P4	TU5JP4	2000 2001	1587	4		IN	0948A9	0889	31.2	6	103.7	CV	45	A		
						IN										
						EX	0949A8 094989	0859	24.6	6	104.2	CV	45	A		
						IN	0220-95	G52654	11.06	6	40					Br
						EX	0220-95	G52654	11.06	6	40					Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.					
PEUGEOT																				
106 SL / ST 1.8 16V	XU7	1987	1761	4		IN	094875	0892	34.6	7	106.4	PN	45	K						
Eng. XU7JP4	XU9	1988	1905																	
405 MI 16 / 4x4	XU10	1990	1998			IN	094861	2012	34.6	7	106.4	PN	45	K						
309 GTI 16			1992			EX	094981	0893	29.6	7	105.8	PN	45	K						
Eng. XU9J4			1993			EX	094977	2013	29.6	7	105.8	PN	45	K						
306 ST / SV / 2.0 16V		1995					094962													
Eng. XU10J4R																				
306 S 1.6 16V / Cabriolet						IN	0220-73	G52332	12.07	7	40				Br					
405 TI 16V Turbo				EX		0221-19	G52334	12.07	7	40					Br					
Eng. XU10J4TE																				
Eng. XU104.4																				
406																				
Eng. XU10J4TE																				
605 SRi / SLi 16V																				
Eng. XU10J4R																				
(81-144)kW																				
PEUGEOT																				
307 1.4 16V	ET3J4	2004	1360	4		IN	0948C8	0896	28.3	5.5	100.8	CV	45	K						
Eng. ET3J4																				
											EX	0949C4	0897	24.3	5.5	101.1	CV	45	K	
																				
PEUGEOT																				
406 2.9		1998	2946	V6		IN	094885	1706	33.8	6	108.4	PN	45	A						
406 Coupé 3.0 16V																				
											EX	094991	1707	31.5	6	107.8	PN	45	A	
																				
PEUGEOT																				
404 A / 404 GTI	XU9J2	1962	1618	4		IN	094871	2010	41.6	8	105.2	PN	45	A						
J7 / J9 / 505 C / CP / CS / CT																				
504 TI / L / GL							1980	1796												
405 GRI / SRI							1987	1905												
Eng. XU9J2											EX	094963	2011	34.5	8	104.8	PN	45	A	
(92 KW)							094978													
						IN	0220-64	G52298	13.07	8.01	38.7				Br					
						EX	0220-72	G52301	13.07	8.01	45				Br					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
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PEUGEOT

205	XU5M	1985	1580	4		IN	094856	2014	41.6	8	108.8	PN	45	A		
Eng. XU5M	XU7	1986	1761													
405 GE / GL / GR / SR	XU9	1986	1905													
Eng. XU5 - 2C	XU10J2U	1987														
309 GTi / 205 GTi / CTI		1992				EX	094957	2015	34.5	8	108.4	PN	45	A		
Eng. X15 - JA		1993														
306 XT / Cabriolet		1998														
Eng. XU7 - JP		2001														
405 GE / GL / GR / SR																
Eng. XU7 - JP																
406 1.8																
205 GTi																
Eng. XU9 - JA																
305 GT																
Eng. XU9 - 2C																
309 GTi																
Eng. XU9 - JA																
405 GE/GL/GR/SR																
Eng. XU9																
306 1.8																
406 1.8																
Expert 1.6 B XU7																
Ranch 1.8																
Boxer 2.0i																

PEUGEOT

207 1.6 16V	EP6DT-	2006	1587	4		IN	0948E8	2250	28.8	5	105.7	CV	45	K		
308 1.6 16V	150CV															
3008 1.6 16V	EP6DT-															
5008 1.6 16V	180CV															
RCZ 1.6 16V	EP6CDTI					EX	0949E2	2251	26.0	5	110.3	CV	45	K		
Eng. EP6DT 150 CV	EP6CDTM															
Eng. EP6DT 180 CV	EP6CDTMD															
Eng. EP6CDTI-EP6CDTM-EP6C-DTMD																

PEUGEOT







Boxer 330 2.0	XU10J2	2004	1998	4		IN	0948A6	2252	41.6	8	109.3	PN	45	A		
Eng. XU10J2																
							EX	094957	2015	34.5	8	108.4	PN	45	A	









PEUGEOT






107 1.0	1KR	2006	998	3		IN	0948E2	2253	27.4	5	88.4	CV	45	A		
Eng. Toyota 1KR		2010														
							EX	0949C8	2254	23.6	5	89.2	CV	45	A	















PEUGEOT







208	E93C	2006	1300	4		IN	0948G4	2255	29.7	5	95.1	CV	45	K		
308	EP6CDTX		1587													
RCZ																
Eng. EP6CDTX																
							EX	0949E2	2251	26.0	5	110.3	CV	45	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
PEUGEOT																				
301 2008 208 308 Eng.EB2-EB2M	EB2 EB2M HMZ	2013	1199	3		IN	9676359080	2268	29.1	5	92.6	PN	45	A						
						EX	9676359180	2269	26.0	5	91.8	PN	45	A						
PEUGEOT																				
406 3.0 24V 407 3.0 24V 607 3.0 V6 24V 807 3.0 24V Eng.ZN3J / K	ZN3J ZN3K	2000 2001 2004	2946	6		IN	0948A5	2946	35.0	6	108.4	PN	45	A						
						EX	0949A5	2947	30.5	6	106.9	PN	45	A						
PEUGEOT																				
207 1.4 16V-1.6 16V 208 1.4 16V-1.6 16V 308 1.4 16V-1.6 16V 508 1.6 16V 3008 1.6 16V 5008 1.6 16V Partner 1.6 16V Eng.EP3C-EP6C	EP3C EP6C	2007	1397 1596	4		IN	0948F9	3404	30.0	5	97.0	CV	45	K						
						EX	0949F6	3405	25.1	5	110.8	CV	45	K						
PEUGEOT																				
4007 2.4 I 4008 2.4 I Eng.DW10 Eng.SFZ-4B12	DW10 4B12 SFZ	2008	1998 2360	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A						
						EX	0949E7	4225	29.0	5.5	105.8	CV	45	A						
PEUGEOT DIESEL																				
404 - 504 D Eng.XD4.88 J7 BD / BDS / BDT / BD8 Eng.XDP4.88 404 8 CV / D / LD / U6D / U7D / U8D / U10D / UXD 504 D 8CV 504 D Berlina - Familiare Eng.XD4.90 J7 - J9 Eng.XDP4.90 505 SRD 604 D / GRD / SRD Tagora DT Eng.XD2S - Turbo (21-59)kW	XD2S	1968 1970 1980	1948 2112 2304	4		IN	094827 094841	0616	40.4	8.5	116.2	PN	45	A						
						EX	094925 094939	0617	33.4	8.5	116.2	PN	45	A						
PEUGEOT DIESEL																				
504 GL 505 GRD / SRD Eng.XD2 J7 - J9 Eng.XD2P94 504 D 9CV 505 D Eng.XD2 (49/51 kW)	XD2S	1975 1976 1979 1983	2304	4		IN	094837	0626	40.4	8.5	116.2	PN	30	A						
						EX	094925	0617	33.4	8.5	116.2	PN	45	A						











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.						
PEUGEOT DIESEL																				
106 SRD / GRD Eng. TUD 5 (42 KW)	TUD5	1994	1527	4		IN	9603345480	0814	37.0	7	108.4	PN	45	A						
							094874													
							EX	094980	0815	31.5	7	108.2	PN	45	A					
						IN	0220-91	G52438	13.07	7	40.2			Br						
						EX	0220-91	G52438	13.07	7	40.2			Br						
PEUGEOT DIESEL																				
205 205 XLD / XRD / GLD / GRD / SRD / GTD 305 GLD / SRD Station Wagon GLD 309 XLD / GLD / GRD / SRD 309i Turbodiesel 205i Turbodiesel Eng. XUD7 / T - Turbo 405 D / GLD / GRD / SRD 205 DT J5 305 GLD / SRD 309 GLD / GRD / SRD / XAD / XLD / XRD Eng.XUD9 Ulisse Fiat Engine 206 1.9 D 306 1.9 D Ranch 1.9 D Expert 1.9 D Boxer 270 1.9 D Expert 220 1.9 D	XUD7 XUD9	1986 1988 1990 1991 1992 1993 1994 1995 1999 2001	1769 1905	4		IN	094859	0816	38.5	8	112.5	PN	45	A						
							094863													
							094894													
							EX	094973	0821	33.0	8	112.0	PN	45	A					
								094974												
								094960												
								094947												
								094964												
													IN		G52290	14.06	8.01	52		
						EX	0220-55	G52053	14.06	8.01	50			Br						
PEUGEOT DIESEL																				
205 XLD / GLD / XRD / GRD / SRD 305 GLD / SRD 309 GRD 205 Eng. XDU7 305 GLD / SRD 309 GLD / GRD / SRD / XAD / XLD / XRD Horizon EXD / LD Solara D Eng. XDU9 (44/48 KW)	XUD7 XUD9	1980 1982 1983 1985 1986	1769 1905	4		IN	094846	0820	38.0	8	112.5	PN	30	A						
							9751668980													
							EX	094947	0821	33.0	8	112.0	PN	45	A					
								094960												
								094964												
								094973												
								9751669380												
						IN	0220-55	G52053	14.06	8.01	50			Br						
						EX	0220-55	G52053	14.06	8.01	50			Br						
PEUGEOT DIESEL																				
304 LD 305 D / GRD / GLD 305 GLD Break 305 SRD / SRD Break Eng. XID / XIDL (32 KW)	XID	1979 1982	1548	4		IN	094840	0822	36.4	8	110.3	PN	30	A						
							EX	094937	0823	31.0	8	110.0	PN	45	A					
																				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
PEUGEOT DIESEL																				
406 ST 2.1 TD 12V Eng. XUD 11 A - TE - TD 406 2.1 TD / SV 12V Eng. XUD 11 BTE OHC 605 SRDT / SVDT / SLDT Expert 2.1 TD 12V Eng. XUD 11 A - TE - TD 605 SLD / SRD Eng. XUD 11A 806 2.2 Hdi 16V Eng. DW12TED4 (60-80) KW Eng. XUD11BTE	DW12TED4 XUD11BTE	1989 1995	2088 2138	4		IN	094868	0844	33.9	8	122.3	PN	45	K						
						EX	094968	0845	33.9	8	121.9	PN	45	K						
						IN		G52457	13.07	8.01	54.5				Br					
						EX		G52457	13.07	8.01	54.5				Br					
PEUGEOT DIESEL																				
Boxer 310 2.5 TD Eng. DJ5TED	DJ5TED	2001	2500	6		IN	094884	0846	41.0	7	115.6	PN	45	K						
						EX	094990	0847	37.7	7	115.4	PN	45	K						
						IN	0220-93	G52529	13.05	7.01	54				Br					
						EX	0220-93	G52529	13.05	7.01	54				Br					
PEUGEOT DIESEL																				
308 3008 5008 RCZ Eng. DV10CTED4-RHE-RHF-RHH	DV10-CTED4 RHE RHF RHH	2009	2000	4		IN	0948F6	0848	27.3	6	104.5	PN	45	K						
						EX	0949F1 0949A3	0880	24.9	6	105.0	PN	45	K						
						IN	0220-A2	G52750	10065	6.01	41.5				MS					
						EX	0220-A2	G52750	10065	6.01	41.5				MS					
PEUGEOT DIESEL																				
605 2.5 DT Boxer 310 2.5 D Eng. DJ5	DJ5	1999 2001	2446	4		IN	094872	0852	36.9	7	127.8	PN	45	K						
						EX	9610612480 094979 094993	0853	36.9	7	127.5	PN	45	K						
						IN	0220-93	G52529	13.05	7.01	54				Br					
						EX	0220-93	G52529	13.05	7.01	54				Br					
PEUGEOT DIESEL																				
206 2.0 HDi 90 CV 306 2.0 HDi 90 CV 406 2.0 HDi 90 CV 406 2.0 HDi 110 CV 307 2.0 HDi 90 CV 307 2.0 HDi 110 CV Ranch 2.0 HDi 806 2.0 HDi Expert 220-330 2.0 HDi Boxer 290 2.0 HDi Boxer 330-350 2.2 HDi Eng. DW10TD	DW10TD	1999 2002	1997 2179	4		IN	094895	0856	35.6	6	107.1	PN	45	K						
						EX	094996	0857	33.8	6	107.1	PN	45	K						
						IN	0220-A2	G52750	10065	6.01	41.5				MS					
						EX	0220-A2	G52750	10065	6.01	41.5				MS					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
PEUGEOT DIESEL																				
307 2.0 Hdi 16V 406 2.2 Hdi 16V 407 2.0 Hdi 16V 607 2.0 Hdi 16V 607 2.2 Hdi 16V 807 2.2 Hdi 16V Eng. DV12TED4-DW10BTED4	DV12TED4	2000 2004	2179	4		IN	0948A3	0879	29.8	6	105.0	PN	45	K						
							EX	0949A3 0949F1	0880	24.9	6	105.0	PN	45	K					
								IN	0220-A2	G5S2750	10065	6.01	41.5							MS
								EX	0220-A2	G5S2750	10065	6.01	41.5							MS
PEUGEOT DIESEL																				
307 2.0 Hdi 16V 406 2.0 Hdi 16V 806 2.0 HDi Expert 2.0 HDi DAL '00 807 2.0 Hdi Expert 2.0 Hdi 16V Ranch 2.0 Hdi 16V Eng. DW10ATED4	DW10-ATED4	2000	1997	4		IN	0948C0 0948C0	0881	29.9	6	106.2	PN	45	K						
							EX	0949A9 0949A9	0882	25.0	6	106.2	PN	45	K					
								IN	0220-A2	G5S2750	10065	6.01	41.5							MS
								EX	0220-A2	G5S2750	10065	6.01	41.5							MS
PEUGEOT DIESEL																				
505 GRD / SRD Eng. XD3 505 GTD Turbo 604 GRD 604 GTD Turbo 505 SRD Turbo D Eng. XD3T - Turbo J9 D Eng. XD3P (53/55/67 KW)	XD2S	1982 1983 1984	2498	4		IN	094881 094898	0885	42.5	8.5	116.0	PN	45	K						
							IN	094849 094853	0824	42.5	8.5	116.0	PN	45	A					
							EX	094950 094945	0825	35.5	8.5	116.2	PN	45	A					
							EX	094986	0886	35.5	8.5	116.2	PN	45	K					
								IN	0220-16	G50943	14.05	8.51	55							Gh
EX	0220-16	G50943	14.05	8.51	55								Gh							
PEUGEOT DIESEL																				
206 1.4 Hdi 207 1.4 HDi 307 1.4 HDi 1007 1.4 HDi Eng. RHY-8HR Eng. DV4TD	DV4TD RHY 8HR	2001 2005 2009	1398	4		IN	0948C2	0894	32.8	5.5	97.3	CV	45	K						
							EX	0949B1	0895	30.3	5.5	97.3	PN	45	K					
																				
PEUGEOT DIESEL																				
206 1.6 16V Hdi 307 1.6 16V Hdi 308 1.6 16V Hdi 3008 1.6 16V Hdi 5008 1.6 16V Hdi 407 1.6 16V Hdi Ranch 1.6 Hdi 16 V Eng. DW6TED4-9HZ	DW6TED4 9HZ	2004	1560	4		IN	0948C7	0898	25.6	5.5	96.4	CV	45	K						
							EX	0949C3	0899	23.4	5.5	96.6	PN	45	K					
								IN		G52836	9.55	5.51	34							Gh
								EX		G52836	9.55	5.51	34							Gh
PEUGEOT DIESEL																				
Boxer 2.2 Hdi 16V	4HU22- DT4HV	2006	2198	4		IN	0948E6 9675708880	1271	29.7	7	122.2	PN	30	K						
							EX	0949E3 9675709680	1272	25.7	7	122.2	PN	45	K					
								IN	XS7Q6510AC	G52944	12.06	6.98	51.5							Gh
								EX	XS7Q6510AC	G52944	12.06	6.98	51.5							Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
PEUGEOT DIESEL																
407 2.2 16V Hdi 4007 2.2 16V Hdi 607 2.2 16V Hdi 807 2.2 16V Hdi Eng. DW12MTED4-4HT Eng. DW12CFAP	DW12-MTED4 DW12CFAP	2006	2179	4		IN	0948E5 9676718180	2258	27.2	6	95.8	PN	45	K		
						EX	0949E1 9676718280 0949G2	2259	25.0	6	95.0	CV	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5					MS
						EX	0220-A2	G5S2750	10065	6.01	41.5					MS
PEUGEOT DIESEL																
407 2.7 V6 24V 607 2.7 V6 24V Eng. DT17TED4		2006	2720	V6		IN	0948E1	2270	27.7	6	97.1	PN	45	K		
						EX	0949C6	2271	25.2	6	96.4	PN	45	K		
PEUGEOT DIESEL																
207 308 3008 5008 Eng. DV6ATED4 Eng. 9HZ	9HZ DV6ATED4	2009	1600	4		IN	0948G1	2272	25.6	5.5	96.0	CV	45	K		
						IN										
						EX	0949F7	2273	23.5	5.5	96.2	PN	45	K		
PEUGEOT DIESEL																
207 1.6 8V Hdi Eng. 9HP-DV4C-DV6C-DV- 6DTED-9HR	9HP 9HR DV4C DV6C DV6DTED	2009	1560	4		IN	0948F7	2274	30.2	5.5	95.5	PN	45	K		
						EX	0949F5	2275	27.5	5.5	95.5	PN	45	K		
PEUGEOT DIESEL																
Boxer 310 2.8 D Sofim		2001	2800	6		IN	094896	2668	43.4	8	121.8	PN	30	A		
						EX	0949A0	2671	36.0	8	122.0	PN	45	A		
PEUGEOT DIESEL																
J5 Eng. U 25 / 651 Eng. 25 / 661 Eng. CR D 93 LS Turbo (55/70 KW)		1982 1983	2482	4		IN	094845	2700	42.2	8	121.4	PN	45	K		
						EX	094946	2701	35.0	9	121.4	PN	45	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
PEUGEOT DIESEL																	
Boxer 310-330-350 2.8 TD HDi Sofim (94-107 Kw)		2001	2800	6		IN	0948A2	2705	41.0	8	121.0	PN	30	A			
							EX	0949A0	2671	36.0	8	122.0	PN	45	A		
PEUGEOT DIESEL																	
Boxer 335 3.0 Eng.F1CE	F1C3	2014	2999	4		IN	0948F1 0948G7	5640	32.4	6	119.9	PN	30	K			
							EX	0949E6 0949G1	5641	32.3	6	119.9	PN	30	K		
						IN		G552811	10.03	6.02	49			MS			
					EX		G552811	10.03	6.02	49				MS			
R.V.I.																	
Truck T	DTi13	2015	13000	6		IN	20712128 21428655	2410	42.0	8	192.0	PN	25	K			
							EX	21428679 21428675	5189	40	8	191.6	PN	40	K		
R.V.I.																	
Mascott 110.50 Mascott 110.60 Mascott 130.55 Mascott 130.65 Eng. 8140.43 B / C						IN	7701030863 7701463603	2705	41.0	8	121.0	PN	30	A			
							EX	5001836573	2671	36.0	8	122.0	PN	45	A		
						IN		G51811	13.03	8.02	56			Gh			
					EX		G51811	13.03	8.02	56				Gh			
R.V.I.																	
Eng. 8140.21 TurboB 90 (68 KW)	814021	1986	2445	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A			
							EX	7301821	2692	34.5	8	122.0	PN	45	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.																																		
R.V.I.																																																
Eng. MIDS 620-30 Turbo Eng. MIDR 620.45 Turbo (158/169/192/206 KW) Premium D 260.18 Premium D 300.18 Premium D 300.26 Premium D 340.18 Premium D 340.26 Premium D 385.18 Premium D 385.26 Premium D 400.18 Premium D 400.26 Kerax 260.18 Kerax 300.18 Kerax 340.18 Kerax 385.18 Kerax 400.33 Kerax 400.40	063540	1978 1983 2002	8820 9839	6		IN	5000681141 5010295349 5000663529 5000658408 5000663520 5000663530	5048	54.0	9	163.3	PN	30	A																																		
						EX	5000670730 5000663527 5000663464 5000670121 5000670206 5000663528								5054	48.0	9	163.1	PN	45	A																											
							IN															50 10 359 098	G52659	17.03	9.05	78			Gh																			
							EX															157983	G52266	17.03	9.05	78			Gh																			
						R.V.I.																																										
						Eng. MID 0620.30																1975	8820	6		IN	153694 153695	5053	54.0	9	163.0	PN	45	A														
																										EX	153693 5000670206 5000670730 153692								5054	48.0	9	163.1	PN	45	A							
																																																
						R.V.I.																																										
						Eng. MIDR 635.40 H/2 Turbo (275 KW)																1991	12024	6		IN	5000678873	5186	60.0	12	204.4	PN	30	A														
																										EX	5000678652								5187	52.0	12	205.1	PN	30	A							
																																																
R.V.I.																																																
Midlum 150.08 Midlum 150.09 Midlum 150.12 Midlum 180.08 Midlum 180.09 Midlum 220.08 Premium 210 Premium 220 Premium 250 Premium 270 Eng. MIDR 04.02.26	MIDR04-0226	2000 2004	4116 6174	4 6		IN	5010450589 5000676035 5010553049 5000667762	5291	46.6	10	140.2	PN	30	A																																		
						EX	5010553312 5010450590 5000676258 5000667939								5292	40.6	10	140.2	PN	45	A																											
																																																
						R.V.I.																																										
						Premium 320 Premium 370 Premium 420 Eng.DCI11	DCI11															2000 2004	4116 6174	4 6		IN	5010359501	5293	42.0	8	185.3	PN	30	A														
																										EX	5010412164								5294	38.0	8	185.3	PN	45	A							
																																																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
R.V.I.															
Magnum E-Tech 400 Magnum E-Tech 440 Magnum E-Tech 480 Magnum E-Tech 400T Magnum E-Tech 440T Magnum E-Tech 480T		2000				IN	5010284847	5295	43.0	9.5	179.0	PN	20	B	
						EX	5010284848	5296	39.9	9.5	177.4	PN	30	B	
							IN	50 10 284 732	G52778	17.48	9.53	80			Gh
							EX	50 10 284 732	G52778	17.48	9.53	80			Gh

R.V.I.														
Premium Kerax C-Serie 380 P C-Serie 430 P C-Serie 460 P T-Serie 380 T T-Serie 430 T T-Serie 460 T K-Serie 380 P Medium e Heavy K-Serie 430 P Medium e Heavy	DX11 DT111	2006	10800	8		IN	7420540013	5297	40.0	8	192.0	PN	30	K
		2013	10837											
						IN	7420540017							
						EX	7420564020 7421430918	5298	38.0	8	192.7	PN	30	K






RENAULT														
Dauphine R4 / L / F4 / TL Eng. B1A R4 - R6 L R4 / TL / L / F4 (Export) R5 L / R6 L Eng. 839 / 800 B1B (20/26 KW)	B1A	1972	782	4		IN	7700565824	0402	28.0	7	73.0	CV	45	A
		1972	845											
			1980			IN	607598100 5555751	0638	28.0	7	73.0	PN	45	L
						EX	5555263 7701458195 7700555263	0639	25.0	7	73.6	PN	45	H
							IN	07 10 938 900	G50393	11.14	7	34		
					EX		07 10 938 900	G50393	11.14	7	34			Gh

RENAULT														
R4 / Fourgonette F5 / FSA / F / TL Eng. 813 R5 TL / C / TC / GTL / GTS Eng. C1C R6 TL / GTL / Rodeo R8 S - R10 Eng. C1E R4 GTL / GTP / T / TL / F4 Pick-up R5 GTL / GPL / TL / Rodeo R7 GTL R9 C / GTC / TC / TCE R11 GTC / TC / TCE R5 LS / TS	C1E	1970	852	4 6		IN	7701458180	0405	33.5	7	89.6	CV	45	A
		1972	950											
			1974	1108		IN	7700648969 7700509771	0648	33.5	7	89.5	CV	45	L
			1975	1289		EX	7700560792 7701458190 7701460256	0649	30.3	7	89.0	CV	45	H
							IN	07 10 939 000	G50394	11.15	7	41.5		
					EX		07 10 939 000	G50394	11.15	7	41.5			Gh

RENAULT														
R5 TC Supercinq Eng. C1C R5 TL / GTL / GL / L / GPL Rodeo / Express (F40) R5 TL / SL / Five R4 GTL / GTP / TL / F4 Pick-up / Rodeo R6 GTL / TL / Rodeo R7 GTL R9 C / GTC / TC / TCE R11 GTC / TC / TCE Eng. C1E / C1E Clio 1.1 RN R9 / R11 TLE R12 Twingo	C1C	1969	956	4		IN	7700561318	0405	33.5	7	89.6	CV	45	A
		C1E	1970			1108								
		810	1975	1237										
			1975	1289										
			1976											
			1981			EX	7700638247 7700666112 7700677772 7701460690 7701461214 7701461802 7701463181 6001004967	0407	29.0	7	89.0	CV	45	H
			1983											
			1984											
			1989											
			1990											
			1993											
							IN	07 10 939 000	G50394	11.15	7	41.5		
					EX		07 10 939 000	G50394	11.15	7	41.5			Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
RENAULT																
R5 / TL / Five / Tiga	C1J	1978	1389	4		IN	7700690577	0412	34.0	7	90.5	CV	45	H		
R19 Chamade / TR	C2J	1980	1397					7701462385								
Eng. C3J	C3J	1981	1721			IN	7700639627	0406	34.0	7	91.2	CV	30	A		
RS Canada		1982						7701460699								
R9 Alliance		1984														
R9 TL / TS		1985				EX	6001004967	0407	29.0	7	89.0	CV	45	H		
R9 GT		1986						7701463181								
R18 TL / GTL / Break/Fuego		1988						7701461802								
R5 GTL / GTS / TL / TS / SL		1989						7701461214								
R9 GTL / TSE								7701460690								
R11 TL / Trafic T							7700677772									
R19 GTR / TR							7700638247									
Express (F40) GTL							7700666112									
R5 Supercinq - Turbo																
R9 -R11 Turbo																
R19						IN	07 10 939 000	G50394	11.15	7	41.5				Gh	
						EX	07 10 939 000	G50394	11.15	7	41.5				Gh	
RENAULT																
R19 16V	F7	1988	1763	4		IN	7701465172	0414	30.7	7	107.5	PN	45	A		
R19 16V Cabriolet	F7P	1990	1764													
Clio 16V							EX	7701465173	0415	28.6	7	109.1	PN	45	A	
						IN	77 00 743 529	G52508	12.06	7.01	39.2				Br	
						EX	77 00 743 529	G52508	12.06	7.01	39.2				Br	
RENAULT																
Clio 1.4 16V	K4J	1999	1390	4		IN	7701472124	0448	32.7	5.5	109.3	CV	45	A		
Clio 1.6 16V	K4M	2001	1598					7701471378								
Megane 1.4 16V		2004														
Eng. K4J 730							EX	7701473355	0449	28.0	5.5	107.7	PN	45	A	
Scenic								7701471379								
Laguna								7701473354								
Eng. 4KJ 710 / 712 / 713																
Megane 1.6 16V																
Kangoo 1.6 16V																
Modus 1.4 16V						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br	
Modus 1.6 16V						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br	
Scenic 1.4 16V																
Scenic 1.6 16V																
Eng. K4M 700 / 701 / 708 / 709 / 712																
RENAULT																
Laguna 2.0 RTi 16V	N7QD N7QH	1998	1948	4		IN	7438610007	0530	31.0	7	104.1	CV	45	K		
							EX	7438610008	0531	27.0	7	103.5	CV	45	K	
RENAULT																
R14 L / TL / GL / GTL	X5G	1977	1124	4		IN	7701459824	0624	36.8	8	113.4	CV	30	A		
R14 L / TL / GL / GTL / TS	X5J	1979	1218					7910025377								
Eng. X5G / 145		1980	1360													
R14 LS / TS / TL / GTL / GTS							EX	7701459825	0625	29.3	8	113.6	CV	45	A	
							7910025379									
						IN	0220-51	G51956	13.07	8.01	47.5				Gh	
						EX	0220-51	G51956	13.07	8.01	47.5				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
RENAULT															
R20 TL / LS / TS	J5R	1975	1647	4 6		IN	7700635409	0635	43.9	8	112.0	PN	30	A	
R18 GTX / TX / Break	J6R	1977	1995				7700644710								
R20 LS / TS / GTL	J7R	1978	1991				7700709794								
R21 GTX / Ti / TXE / Turbo GTS /	Z7V	1980	1995				7701460147								
RX Nevada	Z7W	1981	2165				7701463786								
R25 GTS / TS / GTX		1983	2664				7701465325								
Espace 2.0 GTS / TSE		1984	2458												
Fuego GTL / GTX / TX		1986	2849												
Master R / Q		1987				EX	7701464794	0659	38.6	8	111.4	PN	45	A	
Trafic		1989					7701460148								
Safrane RN		1991					7701460143								
Espace GTX / TXE / GTS / XE		1992					7700733512								
							7700644709								
							7700740221								
							7700701645								
						EX	7910245802	0637	37.0	8	111.3	PN	45	A	
							7900000681								
							7701463787								
						IN		G51961	13.05	8.01	51				Gh
						EX									G51961
RENAULT															
Clio RVRN 1.2	E5F	1990	1171	4		IN	7701465088	0640	37.5	7	107.8	PN	30	A	
Express / RL / Fourgon	C3J	1999	1389												
Clio S / RT 1.4	E6J		1390				7700853390								
R19 / Chamade / TS / GTS / TSE	E7J		1598				6001548030								
Megane 1.4															
Megane 1.6 (44/59 KW)															
Clio 1.4 / 1.6															
Kangoo															
Dacia Logan															
						IN		G52502	12.06	7.01	42				Br
						EX									G52510
RENAULT															
Clio RT / BAC	F1N	1984	1721	4		IN	7700713788	0652	38.2	8	111.5	PN	30	A	
R5 GTE / GTX / TXE		1985	1794												
R9 GTE / GTX / TX / TXE		1986													
R11 GTE / GTX / TX / TXE		1987													
R19 GTS / GTX / TSE / TXE		1988													
R19 / Chamade GTX / TXE / TS / GTS		1989													
R21 GTL / GTS / RS / TS / TSE / GTX		1990													
R21 / Nevada TL / TS / GTS / TSE															
Eng. F2N / F3N / F2R															
Trafic															
R19 API															
						IN	77 01 452 333	G51342	13.14	8.02	39.5				Gh
						EX	07 10 942 500								G50396

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
RENAULT															
Trafic	C1G	1982	1237	4		IN	7701462137	0655	34.2	7	91.3	CV	45	A	
Express (F40) GTL / Fuego	C1J	1984	1390				7700682064								
R5 GTR/TL/TR/GTL/TSE Aut.	C2J	1987	1397												
R9 C/GTC/GTL/TC/Brodway		1988	1721												
R11 GTC / TC / Brodway		1990				EX	7701461802	0407	29.0	7	89.0	CV	45	H	
R19 GTR / TR / TRE							7701463181								
Eng. C1G							6001004967								
Clio RN / RTN							7700638247								
R5 GTL 1.4 / GTS / TS / TX / GTL /							7700666112								
TSE / GTS Automatic							7700677772								
R9 TL / GTL / TLE / TS							7701460690								
R11							7701461214								
R18															
R19															
Fuego						IN	07 10 939 000	G50394	11.15	7	41.5				Gh
Trafic						EX	07 10 939 000	G50394	11.15	7	41.5				Gh
Express															
R5 Supercinque															
RENAULT															
R25 Turbo	Z7X	1987	2458	6		IN	7701464556	0658	46.0	8	112.6	CV	45	A	
R25	Z7XB	1991	2849												
Espace GTX / TXE		1992	2963												
Laguna 3.0 V6		1993	2975												
Safrane RN / RT / RXE						EX	7701464557	0659	38.6	8	111.4	PN	45	A	
3.0 Quadra															
Eng. Z7W / Z7XB / Z7X															
(113/118/125 KW)						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh
RENAULT															
Safrane RN / RT 12V	J7R	1991	1995	4		IN	7701465496	0710	30.4	7	111.9	PN	45	A	
R21 TXi 12V	J7T	1992	2165												
Eng. J7R / J7T															
(99/103 KW)															
						EX	7701465497	0711	40.1	7	112.0	PN	45	A	
						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh
RENAULT															
Clio 1.8 Baccara	F3R	1993	1794	4		IN	7701466606	0712	40.1	8	107.1	PN	45	A	
R19 Spider 1.8			1948												
Laguna			1995												
Eng. F3P - 678 / 720 / 724															
Laguna Baccara						EX	7701466607	0713	32.7	8	106.9	PN	45	A	
Eng. F3R - 722 / 723															
(70/85 KW)															
Megane 2.0						IN		G52582	13.07	8	37.7				Br
Eng. F3R						EX		G52582	13.07	8	37.7				Br
RENAULT															
Megane 2.0 16V	F5R	1999	2000	4		IN	7701471780	0798	31.5	5.5	113.6	CV	45	A	
Laguna 2.0 16V		2000													
Eng. F5R700															
Eng. F5R740															
						EX	7701471781	0799	27.5	5.5	114.0	PN	45	A	
						IN	77 00 114 862	G52741	11065	5.5	45				Br
						EX	77 00 114 862	G52741	11065	5.5	45				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
RENAULT																	
Laguna1.8 (F3P - 670) Laguna 2.0 (F3R - 728 / 729)			1794 1948	4		IN	7701468960	0800	40.0	8	115.6	PN	45	A			
							7700112413										
							EX	7701468961	0801	32.5	8	115.3	PN	45	A		
							7700112412										
						IN		G52582	13.07	8	37.7				Br		
						EX		G52582	13.07	8	37.7				Br		
RENAULT																	
Spider 2.0 i 16V Megane COACH 2.0 RT 16V Eng.F7R.700			1998	4		IN	7701468861	0802	33.0	7	107.3	CV	45	A			
							7700865550										
							EX	7701468862	0803	28.3	7	108.8	PN	45	A		
							7700865551										
						IN	77 00 743 529	G52508	12.06	7.01	39.2				Br		
						EX	77 00 743 529	G52508	12.06	7.01	39.2				Br		
RENAULT																	
Clio 1.2 Kangoo Twingo Eng.D7F-726	D7F	1999 2004	1149	4		IN	7701469266	0806	33.0	6	106.8	PN	30	A			
							EX	7701469269	0807	29.8	6	106.8	PN	45	A		
						IN		G52640	11.07	6	45				Br		
						EX		G52641	11.12	6	45				Br		
RENAULT																	
Megan 2.0 16V Scenic 2.0 16V Eng. F4R 744 / 746 / 747 Espace 2.0 16V Grand Espace 2.0 16V Eng.F4R 770 796 720 Clio 2.0 16V Avantime 2.0 i Turbo 16V Vel Satis 2.0 i Turbo 16V Eng. F4R 730	F4R	2001 2004	1998	4		IN	7701471279	1006	33.4	5.5	110.1	CV	45	A			
							7701474287										
							EX	7701473101	1007	28.9	5.5	108.9	PN	45	A		
							7701471280 7701474286										
						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br		
						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br		
RENAULT																	
Modus 1.2 16V Clio 1.2 16V Twingo 1.2 16V Kangoo 1.2 16V Eng. D4F 712-740	D4F712 D4F740	2001 2004 2011	1149	4		IN	7701472986	1704	26.0	5.5	110.7	PN	45	K			
							EX	7701473004	1705	22.0	5.5	112.5	PN	45	K		
							7701477875										
						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br		
						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br		
RENAULT																	
Laguna V6 24V Eng. B56			2946	V6		IN	094885	1706	33.8	6	108.4	PN	45	A			
							EX	094991	1707	31.5	6	107.8	PN	45	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
RENAULT																
Laguna 2.0 16V Megane 2.0 16V Eng.M4R	M4R	2008	1997	4		IN	13201EN20A	3618	33.9	5.5	106.3	CV	45	A		
						EX	13201EN20A	3619	27.7	5.5	105.2	CV	45	A		
RENAULT																
Megane 3 1.2 Captur 1.2 Clio IV 0.9 TCE Capture 0.9 TCE Eng H5F-H4B	H5F H4B	2012 2013	898 1200	3 4		IN	132017322R 132013562R	5288	26.6	5.5	100.8	CV	45	K		
						EX	132027223R 132025379R	5289	23.5	5.5	101.6	PN	30	K		
RENAULT																
Espace 3.5 V6 24V Grand Espace 3.5 V6 24V Eng.V4Y711	V4Y	2001 2004	3500	V6		IN	7701474099	6411	37.1	6	96.4	CV	45	A		
						EX	7701474100	6412	31.4	6	94.0	CV	45	A		
RENAULT DIESEL																
R18 GTD / TD / Break R20 GTD / TD R21 GTD / TBD / TD / TDX R25 GTD / TBD / TD / TDX R30 TD Master R / Q Trafic T1 / T3 / T4 / T5 Espace TD / TDX Fuego TD Jeep Cherokee TD R21 / Nevada / Espace Safrane Eng. J8S / J8S - Turbo (44/49/54/63/66 KW)	J8S	1979 1980 1981 1983 1984 1986 1989 1991 1992	2068	4		IN	7701461338 7701462232 7700692312 7700663545	0630	40.3	8	111.6	PN	45	A		
						EX	7700663546 7701461339	0631	33.3	8	111.6	PN	45	A		
						IN		G52054	13.07	8	49					Br
						EX		G52054	13.07	8	49					Br
RENAULT DIESEL																
R5 Supercinq GTD / SD / TD R9 GTD / TD / TDE R11 GTD / TD / TDE Express (F40) D Eng. F8M Clio RL / RN R19 Chamade TD / GTD / TDE R21 Nevada Eng. F8Q Clio 1.9 D (40/48/66 KW)	F8M F8Q	1982 1983 1985 1989 1990 1993	1595 1870	4		IN	7701468035	0654	35.0	8	111.6	PN	45	A		
						IN	7701465107 7701466716 7701462813 7700738494 7700702871	0650	36.2	8	111.7	PN	30	A		
						EX	7701462814 7700696117	0651	31.6	8	111.3	PN	45	A		
						IN		G52105	13.07	8	39					Br
						EX		G52105	13.07	8	39					Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
RENAULT DIESEL																
Megane 1.9 D Eng. F8Q.672 Clio 1.9 D Kangoo 1.9 D Express 1.9 D	F8Q	1995	1870	4		IN	7701471704	0714	35.0	8	110.3	PN	45	A		
							7701469369									
							EX	7701471705	0717	31.3	8	109.8	PN	45		A
								7701469373								
	IN		G52105	13.07	8	39							Br			
	EX		G52105	13.07	8	39							Br			











RENAULT DIESEL																
Megan 1.9 D Clio D Kangoo 1.9 D Eng. F8Q 632 Scenic 1.9 DCi (75/85 KW)	F8Q	1999 2001	1870	4		IN	7701468190	0714	35.0	8	110.3	PN	45	A		
							7701471704									
							EX	7701468193	0715	31.5	8	110.5	PN	45		A
								7701469371 7701468623								
	IN		G52105	13.07	8	39							Br			
	EX		G52105	13.07	8	39							Br			

RENAULT DIESEL																
Grand Espace TD Espace TD Laguna Eng. G8T - 706 Eng. G8T - 708 Turbo (62.5 KW) Safrane 2.2 TD	G8T	1993 1995 1999	2188	4		IN	7701468169	0720	32.2	7	117.6	PN	45	K		
							7701469684									
							EX	7701468170	0721	31.1	7	117.6	PN	45		K
								7700859517								
	IN															
	EX															

RENAULT DIESEL															
Megane 1.9 DTi Eng. F9Q 730 / 734 (74 KW) Megane 1.9 DCi Kangoo 1.9 DTi Eng. F9Q 782 / 790 / 732 / 733 Laguna 1.9 Dci Espace 1.9 Dci Master 1.9 Dti Trafic 1.9 DCi Eng. F9Q 750	F9Q	1996 2001	1870	4		IN	7701476024	0726	35.3	7	110.9	PN	45	A	
							7700110387								
							7701471702								
							EX	7701476025	0727	32.6	7	110.7	PN	45	
7701471703 7700110389															
	IN	77 00 859 086	G52585	12.06	7	38.3							Br		
	EX	77 00 859 086	G52585	12.06	7	38.3							Br		

RENAULT DIESEL															
Modus 1.5 Dci Clio 1.5 Dci Megane 1.5 Dci Kangoo 1.5 Dci Scenic 1.5 Dci (60Kw) Eng. K9K 700 / 704 Logan 1.5 Dci Duster 1.5 Dci Lodge 1.5 Dci Eng. K9K792	K9K	2001 2002 2004 2012	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K	
							7701476573								
							132011980R								
							EX	7701473183	1703	28.9	6	100.8	PN	45	
7701476572 132024905R															
	IN														
	EX														

RENAULT DIESEL															
Vel Satis 3.0 24V Dci Laguna 2.2 16V Dci Vel Satis 2.2 16V Dci Espace 2.2 16V Dci Grand Espace 2.2 16V Dci Trafic T27-T29 2.5 Dci	GRT G9U G9T	2004	2188 2463 2958	4 V6		IN	7701472669	1708	30.6	6	123.2	PN	45	K	
							EX	7701472670	1709	29.5	6	123.0	CV	45	
	IN														
	EX														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
RENAULT DIESEL															
Nuovo Mascott 3.0 Dci 16V Nuovo Master 3.0 Dci 16V Eng.ZD3.A600-A604 120.50 160.55		2004	2953	4		IN	7701475382	1718	32.0	7	113.5	CV	45	A	
						EX	7701475381	1719	30.0	7	113.4	CV	45	A	
															
RENAULT DIESEL															
Master T28 2.8 TD Eng. S9W 702 Safrane Eng. 2144.97 Turbo Diesel (85 KW)	S9W	1996 2001	2499	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A	
						EX	7701467249	2669	36.6	8	121.9	PN	45	A	
															
RENAULT DIESEL															
Safrane Eng. 2144.97 Turbo Diesel (85 KW)	214497	1992	2499	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A	
						EX	7701203675	2692	34.5	8	122.0	PN	45	A	
															
RENAULT DIESEL															
Scenic 1.6 Dci Megane 1.6 Dci Fluence 1.6 Dci Kajar 1.6 Dci Eng. RLM-R9M	RLM R9M	2011	1598	4		IN	132017444R 132010370R	2362	23.5	6	104.1	PN	45	K	
						EX	132024894R 132027372R	2363	23.4	6	104.0	PN	45	K	
															
RENAULT DIESEL															
Laguna 2.0 Dci Megane 2.0 Dci Espace 2.0 Dci VelSatis 2.0 Dci Koleos 2.0 Dci Espace 2.0 Dci Master 2.3 CDTi 16V Eng. M9R-M9T	M9R M9T	2008 2010	1995 2299	4		IN	7701476596 132012274R	3652	27.7	6	103.9	PN	45	K	
						EX	7701476595	3653	26.1	6	103.8	CV	45	K	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
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ROVER

Rover 100 Metro 16V	18K4F	1989	1119	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A	
Rover 11 4i Aut.	K16	1991	1396					LGH10029L							
Rover 214 SLi / GSi 16V	K64	2001	1588												
Rover 414 Si / SLi 16V	K65	2004	1796												
Rover 416 16V SLI	L82					EX	LGH100820	0861	24.2	6	90.0	PN	45	A	
Rover 416 16V ESI	184KF						LGH101190								
200 1.4 S / Si							LGH10028								
400 1.4 S / Si															
200 1.6						IN	LGJ10034	G52318	9.84	6.01	30			Gh	
400 1.6						EX	LGJ10034	G52499	9.88	6.01	30			Gh	
Tourer 1.6															
MGF 1.8															
75 1.8															
25 1.1 16V															
25 1.4 16V															
25 1.6															
25 1.8															
75 1.8															
45 1.4															
45 1.6															
45 1.8															
Freelander 1.8 Softback															

ROVER

Rover 100 Metro	11K2F	1990	1113	4		IN	WAM4002	0862	33.5	7	90.5	PN	45	A	
Rover 100 Metro 1.4 GS	L06	2001	1396												
Rover 111	K63														
Rover 214 S / 414 16V (44/56 KW)															
200 1.1 8V						EX	LGH101180	0863	31.2	7	91.0	PN	45	A	
25 1.1 / 1.4							WAM4003								
						IN	WAM4227	G52317	12.03	7.01	32			Gh	
						EX	WAM4227	G52317	12.03	7.01	32			Gh	

ROVER













220 Turbo 16V	T16	1991	1996	4		IN	LGH101060	0890	31.9	7.1	110.8	PN	45	A	
620 16V Ti								LGH10020							
820 Si / SLi 16V															
Eng. T 16.4 (100 KW)															
820 Turbo						EX	LGH10049	0891	29.4	7.1	110.8	PN	45	A	
							LGH101000								
						IN	LGJ100540	G52551	12.04	7.14	46.8			Gh	
						EX	LGJ100550	G52552	12.04	7.14	51.3			Gh	

ROVER







Mini Cooper		1984	1275	4		IN	TAM1058	1957	33.2	7.1	90.7	PN	45	K	
British Open		1999													
						EX	TAM1061	1958	29.3	7.1	90.7	PN	45	K	













ROVER











Landrover 88 / 90 / 109 / 110		1984	2286	4		IN	ETC4067	2070	44.5	7.9	111.4	PN	30	K	
Landrover 90 / 110		1985	2494												
Defender 90 / 110 (58/62 KW)		1987													
						EX	ETC5866	2071	34.3	8.7	111.4	PN	45	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.		
ROVER																	
Freelander 2.5 Softback 200 1.8 Vi MGF 1.8 WC 75 2.0 V6 75 2.5 V6 Eng. 20K4F / 25K4F 45 2.0 V6 825 2.5 i V6 24V	20K4F 25K4F	1999 2001 2004	1796 1985 2497	4 V6		IN	LGH10064	2194	31.5	6	89.6	CV	45	A			
						EX	LGH10065 LGH101360	2195	27.5	6	90.0	CV	45	A			
																	
ROVER																	
Mini One 90CV Mini Cooper 115CV Eng. BMW R50 Tritec	18K4K	2001	1600	4		IN	11341485585 11347829955 11347513019	3407	30.3	6	109.0	CV	45	K			
						EX	11347829943 11347829944 11347513020	3408	23.3	6	117.8	PN	45	A			
																	
ROVER																	
216 16V 400 1.6 Sli Eng.D16A7	D16A7	1996 1998	1594	4		IN	FDU1485 LGH101100	5606	29.0	5.5	115.0	CV	45	A			
						EX	FDU1487 LGH101110	5607	25.0	5.5	118.7	CV	45	A			
																	
ROVER																	
216-416 1.6i 16V SOHC-DOHC 25-45 1.6i 16V	16K4K16	1995 2000	1588	4		IN	LGH101310	5804	30.0	5.5	118.7	CV	45	A			
						EX	LGH101330	5805	26.0	5.5	116.0	CV	45	A			
																	
ROVER																	
Range Rover Sport Discovery III	448S2	2002	4400	V8		IN	4646005 LR002447	5840	34.8	5	105.3	CV	45	A			
						EX	4646004	5841	30.9	5	105.1	PN	45	A			
																	
ROVER																	
Discovery 1 Discovery 2 Defender Range Rover			3500 3900 4000 4600	V8		IN	LGH000030	6008	39.9	8.7	117.0	CV	45	P			
						EX	LGH000040	6009	34.3	8.7	117.0	CV	45	P			
																	










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
ROVER DIESEL																			
Range Rover 2.5 TD	256T	1994	2497	6		IN	STC2156	0098	35.9	6	103.7	PN	45	K					
						EX	STC2149	0099	30.9	6	103.6	PN	45	K					
						IN		G52534	12.55	6	39.5				Br				
						EX		G52534	12.55	6	39.5					Br			
ROVER DIESEL																			
Land Rover Discovery 200 Tdi 80Kw 12L Eng. 2.5 L Turbo Defender 90 TDi (83 KW) MAXION 200 TDI		1989 1994	2494	4		IN	ERR1157	0670	39.5	8	116.5	PN	30	K					
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K					
						IN	ETC8003	G52554	14.06	8	49				Gh				
						EX	ETC8003	G52554	14.06	8	49					Gh			
ROVER DIESEL																			
Maxion HSD 21L Serie 300 83Kw		1994	2494	4		IN	ERR3777	0672	38.9	8	116.3	PN	30	K					
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K					
ROVER DIESEL																			
420 TD 620 TD 200 2.0 SD / SDi 400 2.0 SD / Sdi 25 2.0 D 25 2.0 TD (74 / 83) Kw 45 2.0 TD	20T2N	2004	1994	4		IN	LGH100990	0674	37.2	7	86.7	PN	45	A					
						EX	LGH100980	0675	32.5	7	86.7	PN	45	A					
ROVER DIESEL																			
75 2.0 CDT 75 2.0 CDTi Eng. 204D2-306D1 RangeRover 3.0 TD6 24V	204D2 204D3 306D1	1999	1950	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K					
						EX	LGH101450	0677	25.9	6	99.9	PN	45	K					
ROVER DIESEL																			
Discovery 2.5 TD Eng.TD5 10P-15P	TD5	1997	2496	5		IN	ERR6611	0678	34.7	7	105.3	PN	30	K					
						EX	ERR6612	0679	31.7	7	105.3	PN	45	K					















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
ROVER DIESEL															
Eng. XDU7 TE Turbo Rover 218 / 418 SLD / TD Eng. XUD 9 A Rover 218 SD (49/65 KW)	XUD7 XUD9	1991	1769 1905	4		IN	LGH10053 LGH10051	0816	38.5	8	112.5	PN	45	A	
						EX	LGH10052 LGH10054 LGH10075	0821	33.0	8	112.0	PN	45	A	
						IN	0220-65	G52290	14.06	8.01	52				Br
						EX	0220-65	G52290	14.06	8.01	52				Br
ROVER DIESEL															
Range Rover Sport Discovery III		2002	3600	V8		IN	1311281	2270	27.7	6	97.1	PN	45	K	
						EX	1316137 1520918	2271	25.2	6	96.4	PN	45	K	
						IN									
						EX									
ROVER DIESEL															
Mini One Diesel Eng. TOYOTA 1NDTV		2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A	
						EX	11347791055	3416	28.0	6	100.0	CV	45	A	
						IN		G552701	11.09	6.01	40.6				MS
						EX		G552701	11.09	6.01	40.6				MS
SAAB															
900 SE Coupé 24V 900 SE / 900 SE Cabriolet 24V (125 KW)	B258	1993	2498	6		IN	4500849	2170	32.0	6	102.1	PN	45	K	
						EX	4500864	2171	29.0	6	92.2	PN	45	K	
						IN		G52482	10.03	6	45				Gh
						EX		G52482	10.03	6	45				Gh
SAAB															
9000 CSE / CDE 24V 9000 Griffin 24V (155 KW)		1994	2962	6		IN	4500849	2170	32.0	6	102.1	PN	45	K	
						EX	90410816	4005	29.0	6	102.1	PN	45	K	
						IN									
						EX									
SAAB															
9-3 1.8i 16V	Z18XE	2004	1796	4		IN	641048	2184	31.2	5	101.3	CV	45	K	
						EX	641357	2185	27.4	5	100.8	CV	45	K	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
SAAB																	
9.3 Sport Sedan	B207R	2000				IN	12786696	2192	35.1	6	102.2	CV	45	K			
						EX	12791961	2193	30.1	6	100.9	CV	45	K			
SAAB																	
900 2.3 / 2.3 16V 900 S / 900 S Coupé 900 SE / 900 SE Coupé 900 S Cabriolet 9000 CS 2.0 / 2.3 16V 9000 CSE / Aero / CD / CDE (96/108/110/125/147/165 KW) Eng.B204-B234	B204 B234	1992 1993	1985 2290	4		IN	9165580	4004	33.0	7	107.8	PN	45	K			
						EX	7500085 9165598	4003	29.0	7	108.3	PN	45	K			
SAAB																	
9-3 B205-E-R-L B235-R 9-5 B205-E-R-L B235-R Eng.B205E-B235R	B205E B235R	1998	2000 2300			IN	9185851	4006	33.1	5	107.5	CV	45	K			
						EX	9399965 9179219	4007	29.0	5	107.9	PN	45	K			
						IN	9399957	G552636	12045	5	48.5				MS		
						EX	9399957	G552636	12045	5	48.5				MS		
SAAB																	
Eng.Vortec 256Cl.	256Cl	2921 3651 4200	2009	4 6		IN	12601763	4008	38.6	6	105.8	CV	45	K			
						EX	12601762	3706	33.5	6	107.9	CV	45	K			
																	
SAAB DIESEL																	
9-3 1.9 Tid 120-120 CV ENG.Z19DTH-Z19DTV	Z19DTH	2004	1910	4		IN	93178587	1398	27.8	6	114.4	PN	45	K			
						EX	93178588	1399	25.8	6	114.4	PN	45	K			
																	
SAAB DIESEL																	
9-3 2.2 Tid 16V Eng.D229L Opel	D229L	2000	2172	4		IN	642168	2188	29.0	6	97.1	PN	45	K			
						EX	642211	2189	26.0	6	97.1	PN	45	K			
						IN		G552482	10.03	6.01	45				MS		
						EX		G552482	10.03	6.01	45				MS		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
SAAB DIESEL																			
9-5 3.0 Tid 16V Eng.Y30DT	Y30DT	2001	2958	v6		IN	641067	2352	27.4	6	98.5	PN	45	A					
						EX	641380	2353	26.5	6	98.1	PN	45	A					
																			
SCANIA																			
Eng. DN 11 Eng. DS 11 - Turbo Eng. DSC 11 - Turbo Eng. DS 14 - Turbo Eng. DSC 14 - Turbo (149/202/252/258/285/309 KW) 144 530 DSC 14 144 460 DSC 14 114 320 DSC 11 114 340 DSC 11 114 360 DSC 11	DSC11 DSC14	1981 1983 1986 2001	11015 14181	6 8		IN	294674 352212 352211 1360836	1010	54.0	11	162.5	PN	20	A					
						IN	324675 1361191 289483	1019	54.0	11	162.5	PN	20	A					
						EX	1100997 1397521 1116987 232018 1360834 352347	1023	44.6	11	162.5	PN	45	A					
																			
						IN	300957	G52077	18.01	11	80								Gh
						EX	300958	G52078	18.01	11	73								Gh
SCANIA																			
Eng. DN 14 Eng. DS 14 - Turbo (191/272 KW)	DN14 DS14	1981	14181	8		IN	294674 1360836	1010	54.0	11	162.5	PN	20	A					
						EX	243477 1361197	1021	44.0	11	162.5	PN	30	A					
																			
SCANIA																			
Dennis Enviro 300	DC913	2017	9000	5 6		IN	1887056	1011	44.0	10	171.2	PN	20	Z					
						EX	2032823 2026052	5163	41.0	10	171.6	PN	30	Z					
																			
SCANIA																			
Serie 4 Irizar PB 12.37 Omniexpress	DC12IRAN DC12F6 DC1305	2004	12000 12742	6		IN	1887056 1886946	1011	44.0	10	171.2	PN	20	Z					
						EX	1854801 1781847	1013	41.0	10	171.5	PN	45	Z					
						EX	1854802	1014	44.0	10	171.5	PN	45	Z					
																			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
SCANIA																	
Eng. DC9	DC9	2006	9000	6		IN	1386647	1015	46.0	11	162.5	PN	20	A			
							EX	1903846	1016	41.0	11	162.5	PN	45	A		
SCANIA																	
Eng. DN 14 Eng. DS 14 - Turbo (191/275 KW)		1968 1969 1981	14181	8		IN	272804	1020	54.0	11	162.5	PN	30	A			
							EX	243477 1361197	1021	44.0	11	162.5	PN	30	A		
SCANIA																	
Eng. DS 10 - Turbo Eng. DS 11 - Turbo Eng. DS 14 - Turbo (162/202/258 KW)	DS10 DS11 DS14	1958 1968 1981	10260 11015 14181	8		IN	1361192	1020	54.0	11	162.5	PN	30	A			
							IN	272804 1361190 270247	1022	54.0	11	162.5	PN	30	A		
EX	232018 1360834	1023	44.6	11	162.5	PN	45	A									
SCANIA																	
Eng. DS 9 Turbo Eng. DSC 9 Turbo (150/185/207 KW) 94 220 DSC9 94 260 DSC9 94 310 DSC9	DS9 DSC9	1985	8471	6		IN	391608	1028	51.0	10.9	162.5	PN	20	A			
							EX	1360833 366256 278102	1029	44.0	10.9	162.5	PN	45	A		
IN	300957	G52077	18.01	11	80									Gh			
EX	300958	G52078	18.01	11	73									Gh			
SEAT																	
Alhambra 1.8 i T 20V Ibiza 1.8T Ibiza 1.8T Cupra Leon 1.8 T 20V Cordoba 1.8 i T 20V Toledo 1.8 i T 20V	AQX AYP	2000 2004	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K			
							EX	058109611E	1135	29.9	6	103.9	PN	45	K		
IN	058 103 415	G52488	11.06	6	35.9									Br			
EX	058 103 415	G52488	11.06	6	35.9									Br			
SEAT																	
Toledo 1.8 i 20V Leon 1.8 i 20V	AEN AGP	2000	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K			
							EX	058109611M 06B109611D	1133	29.9	6	104.0	PN	45	K		
IN	058 103 415	G52488	11.06	6	35.9									Br			
EX	058 103 415	G52488	11.06	6	35.9									Br			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
SEAT																
Leon 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K		
						EX	04E109611K	2977	23.5	5	110.1	PN	30	K		
SEAT																
Leon 1.4 TSI 16V	CMBA CXSA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K		
						EX	04E109611J	2979	25.0	5	110.1	PN	30	K		
SEAT																
Cordoba 1.6 Toledo GL / GLX 1.8 Cordoba 1.8	ABS	1991	1598 1781	4		IN	035109601K	3016	38.0	8	91.9	PN	45	K		
						EX	053109611	2980	33.2	8	91.2	PN	45	K		
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
	EX	056 103 419A	G51227	12.06	7.98	36.5				Br						
SEAT																
Toledo 2.0 Ibiza / Cordoba Alhambra 2.0 (66/85 KW) Ibiza 1.6 Leon 1.6	AGG AEH AFT APF AUR	1993 1999 2000	1781 1984	4		IN	078109601B 078109601E 037109601 078109601A	3038	39.5	7	91.9	CV	45	K		
						EX	048109611B 037109611B	3039	32.9	7	91.2	PN	45	K		
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
	EX	037 103 419B	G52470	12.06	6.98	36.5				Br						
SEAT																
Toledo GT 1.8 16V Ibiza 1.8 16V Cordoba 1.8 16V	ABF	1991 1993	1781	4		IN	027109601C	3040	32.0	7	95.5	PN	45	A		
						EX	027109611D	3041	28.0	7	98.2	PN	45	A		
							IN	027 103 419	G52304	12.06	7	38				Br
	EX	027 103 419	G52304	12.06	7	38				Br						
SEAT																
Toledo GL / GLX / GT 2.0 Eng. ZE - AAM (85 KW)	ZE AAM	1991	1984	4		IN	026109601A 026109601C	3042	40.0	8	91.0	PN	45	K		
						EX	053109611	2980	33.2	8	91.2	PN	45	K		
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
	EX	056 103 419A	G51227	12.06	7.98	36.5				Br						







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
SEAT																			
Toledo 2.0 16V Ibiza 1.8i 16V-2.0i 16V Cordoba 16V 1.8-2.0 16V Eng. ADL-ABF (95 KW)	ADL ABF	1994	1780	4		IN	051109601B	3062	32.0	7	95.5	PN	45	K					
						EX	051109611B	3063	27.0	7	98.0	PN	45	K					
						IN	051 103 419	G52472	12.06	6.98	35				Br				
				EX		051 103 419	G52472	12.06	6.98	35					Br				
SEAT																			
Arosa 1.0 Cordoba 1.0 Ibiza 1.0	ALD AUC ANV	1998	999	4		IN	030109601AK	3080	31.0	6	99.0	PN	45	K					
						EX	030109611S	3081	26.0	6	99.0	PN	45	K					
						IN	032 103 419A	G52464	11.07	6.98	33				Br				
				EX		032 103 419A	G52464	11.07	6.98	33					Br				
SEAT																			
Arosa 1.4 Cordoba 1.4 Ibiza 1.4 Inca 1.4	ALD AUC ANV	1998	1391	4		IN	030109601AL	3098	33.5	6	99.2	PN	45	K					
						EX	030109601T	3099	28.0	6	99.1	PN	45	K					
																			
SEAT																			
Ibiza 1.4 16V Cordoba 1.4 16V 101Cv Cordoba 1.6 16V Arosa 1.4 16V Leon 1.6 16V Ibiza 1.2 12V Toledo 1.4i 16V	AQQ AFK AUA BBY AUS AZD AHW BZG AZQ	1998 2001 2004	1390 1597 1198	4 3		IN	036109601S 036109601AD	3102	29.5	6	100.9	CV	45	K					
						EX	036109611K	3103	26.0	6	100.6	PN	45	K					
						IN	058 103 415	G52488	11.06	6	35.9				Br				
				EX		058 103 415	G52488	11.06	6	35.9					Br				
SEAT																			
Cordoba 1.0 Arosa 1.0 Ibiza 1.0	AER ALL	1999	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K					
						EX	030109611N	3105	26.0	7	94.4	PN	45	K					
						IN	032 103 419A	G52464	11.07	6.98	33				Br				
				EX		032 103 419A	G52464	11.07	6.98	33					Br				
SEAT																			
Altea 1.6 Toledo 1.6 Ibiza 1.6 BiFuel Altea 1.6 BiFuel	BGU BSE BSF CHGA	2004 2011	1595	4		IN	06B109601D 06B109601H	3114	39.4	6	93.8	CV	45	K					
						EX	06B109611C	3115	32.9	6	93.8	PN	45	K					
																			















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
SEAT															
Toledo 2.0 16V FSI Toledo 1.8 16V TFSI Leon 2.0 16V FSI Altea 2.0 16V FSI Exeo 1.8 TFSI 16 V Alhambra 1.8 TFSI	BLX BLR CDHA CDA	2004 2009	1800 1984	4		IN	06D109601K 06E109601E 06D109601M	3126	33.8	6	104.0	CV	45	K	
						EX	06D109611L 06D109611T	3127	28.0	6	101.9	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br
SEAT															
Ibiza 1.2 TSI Leon 1.2 TSI Altea 1.2 TSI	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K	
						EX	03F109611B 03F109611C	3131	30.0	6	98.3	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br
SEAT															
Mii Tsi 16V Leon Tsi 16V	CWA CHYA CHYB	2014	1595	4		IN	04E109601	3147	29.6	5	110.2	PN	45	K	
						EX	04E109611L	3148	27.0	5	110.1	PN	30	K	
						IN									
						EX									
SEAT															
Ibiza Cordoba	ABD		1300 1400	4		IN	030109601L 030109601J	5240	35.9	7	99.2	PN	45	K	
						EX	030109611D	5245	29.0	7	99.0	PN	45	K	
						EX	030109611A	3009	28.8	8	99.0	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
SEAT															
Ibiza Cordoba	ABU	1993	1598	4		IN	032109601G	5242	34.6	7	94.8	PN	45	K	
						EX	032109611G	5243	29.0	7	95.0	PN	45	K	
						IN									
						EX									
SEAT															
Ibiza 1.4 Arosa 1.4 Cordoba 1.4 Ibiza 1.6 Cordoba 1.6	AEX AEE	1999	1390 1598	4		IN	030109601AH 030109601AD	5246	35.5	7	94.7	PN	45	K	
						EX	030109611G	5243	29.0	7	95.0	PN	45	K	
						IN	032 103 419A	G52464	11.07	6.98	33				Br
						EX	032 103 419A	G52464	11.07	6.98	33				Br












Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
SEAT														
Ibiza Cordoba Eng.AAU-ABD- (34-44)KW	AEV ABD	1994	1043 1391	4		IN	030109601G	5248	34.0	7	99.0	PN	45	K
							EX 030109611D	5245	29.0	7	99.0	PN	45	K
SEAT DIESEL														
Toledo 1.9 TDi Alhambra 1.9 TD (66 KW)	1Z	1995	1896	4		IN	028109601H	1948	36.0	8	96.9	PN	45	K
							EX 046109611F	1949	31.5	8	96.9	PN	45	K
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br
SEAT DIESEL														
Ronda D / L / GL Malaga D / L / GL GLX Top Ibiza D / L / GL (40.5 KW)	138A5000	1984 1985	1714 Fiat Engine	4		IN	4368843	2711	38.5	8	126.0	PN	45	A
							EX 4368845 5996615	2712	33.5	8	126.0	PN	45	A
SEAT DIESEL														
Ibiza 1.9 TDi Toledo 1.9 TDi Cordoba 1.9 TDi Leon 1.9 TDi Alhambra 1.9 TDi (66/81 KW)	AHN AHU ALH AGR AFN ASV	1999 2001	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K
							EX 028109611G	2971	31.5	7	96.9	PN	45	K
						IN	037 103 419B	G52470	12.06	6.98	36.5			Br
						EX	037 103 419B	G52470	12.06	6.98	36.5			Br
SEAT DIESEL														
Toledo GL / Ibiza / Cordoba Toledo GLX / Ibiza / Cordoba (48/50/55 KW)	1Y AAZ	1991 1993	1896	4		IN	069109601F 069109601H	3043	36.0	8	95.6	PN	45	K
							EX 074109611	3045	31.2	8	95.6	PN	45	K
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	049 103 419	G51498	12.06	7.98	42.3			Br
SEAT DIESEL														
Arosa 1.7 SDi Ibiza 1.9 D / SDi Cordoba 1.9 D / Sdi	AEY AHG	1999	1716	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K
							EX 028109611K	3107	31.5	7	96.4	PN	45	K
						IN	037 103 419B	G52470	12.06	6.98	36.5			Br
						EX	037 103 419B	G52470	12.06	6.98	36.5			Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
SEAT DIESEL																
Arosa 1.4 TDi Eng. AMF Leon 1.9 TDi Leon 1.9 TDi Cupra Alhambra 1.9 TDi Cordoba 1.9 TDi Toledo 1.9 TDi Ibiza 1.9 Tdi Altea 1.9 TDi (86/110 KW)	AMF	2001	1422	4	T	IN	038109601B	3110	36.0	7	89.9	PN	45	K		
	AUY	2003	1896	3												
	ARL	2004														
	ATD															
	ASZ BKC						EX	038109611B 038109611F	3111	31.5	7	89.9	PN	45	K	
SEAT DIESEL																
Arosa 2.0 16V Tdi	BKD AZV	2004	1968	4	T	IN	03G109601A	3118	29.4	6	88.5	PN	45	K		
							EX	03G109611B	3119	25.5	6	88.2	PN	45	K	
SEAT DIESEL																
Altea 2.0 Tdi-PD 16V Leon 2.0 Tdi-PD 16V Toledo 2.0 Tdi-PD 16V	AZV	2005	1968	4	T	IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
	BKD BMN															
							EX	03G109611D	3121	25.4	6	87.5	PN	45	K	
							IN EX	058 103 415 058 103 415	G52488 G52488	11.06 11.06	6 6	35.9 35.9				Br Br
SEAT DIESEL																
Ibiza 1.4 Tdi Eng. BHC Leon 1.9 Tdi Leon 2.0 Tdi	BHC	2003	1422	3	T	IN	038109601E	3132	36.0	7	89.5	PN	45	K		
	AXR	2005	1896													
	BLS	2006	1968													
	BXE BXF BLB BMM						EX	038109611E	3133	31.5	7	89.1	PN	45	K	
						IN EX	037 103 419B 037 103 419B	G52470 G52470	12.06 12.06	6.98 6.98	36.5 36.5				Br Br	
SEAT DIESEL																
Altea 2.0 Tdi Leon 2.0 Tdi Exeo 2.0 Tdi	CBAA	2007	1968	4	T	IN	03L109601	3142	28.1	6	99.3	PN	45	K		
	CBAB CBBA CBBB	2009														
	CAGC CJCC CAGA						EX	03L109611	3143	26.0	6	99.1	PN	45	K	
	CJCA CAHA CGLB						IN EX		G52632 G52632	10.06 10.06	5.98 5.98	42 42				Br Br
SEAT DIESEL																
Ibiza 1.2 Tdi Ibiza 1.6 Tdi Leon 1.6 Tdi Altea 1.6 Tdi	CAYB	2011	1197	4	T	IN	03L109601A	3144	26.5	6	99.3	PN	45	K		
	CAYC CFWA		1598													
	CLNA CLCA						EX	03L109611A	3145	24.4	6	99.1	PN	45	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SETRA																
Multiclass S 415 H	OM 470.903	2012	10677	6		IN	03L109601	3142	28.1	6	99.3	PN	45	K		
Multiclass S 416 H	OM 470.906	2013				IN	4700500626		42.5	9.5	239.9	PN	20	A		
Multiclass S 417 UL	OM 470.908	2014				EX	03L109611	3143	26.0	6	99.1	PN	45	K		
Multiclass S 419 UL		2016				EX	4700500427	3272	40.0	9.5	246.5	PN	30	A		
Confortclass S 511 HD						IN		G52632	10.06	5.98	42				Br	
Confortclass S 515 HD						EX		G52632	10.06	5.98	42				Br	
Confortclass S 516 HD																
Confortclass S 517 HD																
SETRA																
Topclass S 431 DT	OM 471.900	2014	12809	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A		
Confortclass S 516 HD	OM 471.902	2016														
Confortclass S 517 HD						EX	4710500427	3283	43.5	9.5	246.6	PN	30	A		
Topclass S 515 HDH																
Topclass S 516 HDH																
Topclass S 517 HDH																
SHAANXI																
F 2000 SX4254	WD 12.375	2006	11596	6		IN	03L109601	3142	28.1	6	99.3	PN	45	K		
F 3000 SX4255		2009				IN	4700500626		42.5	9.5	239.9	PN	20	A		
F 3000 SX4257						EX	03L109611	3143	26.0	6	99.1	PN	45	K		
						EX	4700500427	3272	40.0	9.5	246.5	PN	30	A		
						IN		G52632	10.06	5.98	42				Br	
						EX		G52632	10.06	5.98	42				Br	
SKODA																
Forman 135 L / LK / LE / LS / LSK		1989	1137	4		IN	114020249 441012093466 047109601	0680	34.0	8	101.3	PN	45	A		
Eng. 781.115.116.135.136			1289													
Favorit - Forman 135						EX	441012093476 114020266 047109611	0681	30.0	8	101.8	PN	45	A		
136 L / LK / LE / LS / LSK / LSE																
Eng. 781.115.116.135.136 (38/46 KW)						IN	047 109 608	G52774	12.06	7.98	40.8				Gh	
Felicia 1.3						EX	047 109 608	G52774	12.06	7.98	40.8				Gh	
SKODA																
Octavia 1.8T RS	AWT	2000	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
Superb 1.8 T 20V	AGU	2003														
						EX	058109611E	1135	29.9	6	103.9	PN	45	K		
						IN	058 103 415	G52488	11.06	6	35.9				Br	
						EX	058 103 415	G52488	11.06	6	35.9				Br	
SKODA																
Octavia 1.8 T	AGN	1998	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
Superb 2.8 V6 30V	AMX	2003														
						EX	058109611M 06B109611D	1133	29.9	6	104.0	PN	45	K		
						IN	058 103 415	G52488	11.06	6	35.9				Br	
						EX	058 103 415	G52488	11.06	6	35.9				Br	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
SKODA																		
Felicia 1.3 Fabia 1.4	AZF ATZ AME AQW	1998 2000	1289 1397	4		IN	047109601D	2960	34.0	7	101.3	PN	45	K				
						EX	047109611D	2961	30.1	7	101.3	PN	45	K				
SKODA																		
Fabia 1.0	ATY ARV AQV	2000	997	4		IN	047109601F	2962	34.0	7	103.8	CV	45	K				
						EX	047109611B	2963	27.0	7	103.7	PN	45	K				
SKODA																		
Octavia 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K				
						EX	04E109611K	2977	23.5	5	110.1	PN	30	K				
SKODA																		
Octavia 1.4 TSI 16V	CHPA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K				
						EX	04E109611J	2979	25.0	5	110.1	PN	30	K				
SKODA																		
Octavia 1.6 Octavia 2.0 Fabia 2.0 Superb 2.0	AQY AEH AZL AZM	1998 2000 2003	1984	4		IN	078109601B 078109601E	3038	39.5	7	91.9	CV	45	K				
						EX	048109611B	3039	32.9	7	91.2	PN	45	K				
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br			
SKODA																		
New Fabia 1.2 6V	BMD AWY	2007	1198	3		IN	03D109601B 032109601L	3097	34.5	6	99.2	PN	45	K				
						EX	03D109611A 030109611T	3099	28.0	6	99.1	PN	45	K				
						IN	058 103 415	G52488	11.06	6	35.9				Br			
						EX	058 103 415	G52488	11.06	6	35.9				Br			













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SKODA																
FABIA 1.4 i 16V	AFH	1999	1390	4		IN	036109601P	3100	29.5	6	97.9	CV	45	K		
							EX	036109611L	3101	26.1	6	97.2	PN	45	K	
								IN	032 103 419A	G52464	11.07	6.98	33			Br
								EX	032 103 419A	G52464	11.07	6.98	33			Br
SKODA																
Fabia 1.4 16V Fabia 1.2 12V New Fabia 1.2 12V New Fabia 1.4-1.6	AUA AUB BBZ AZQ BZG BTS BXW BUD BXW	2000 2003 2007	1198 1390	3 4		IN	036109601AD 036109601S	3102	29.5	6	100.9	CV	45	K		
							EX	036109611K	3103	26.0	6	100.6	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			Br
								EX	058 103 415	G52488	11.06	6	35.9			Br
SKODA																
FABIA 1.0 Eng.AER	AER	2000	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K		
							EX	030109611N	3105	26.0	7	94.4	PN	45	K	
								IN	032 103 419A	G52464	11.07	6.98	33			Br
								EX	032 103 419A	G52464	11.07	6.98	33			Br
SKODA																
Octavia 1.6 i Octavia 1.6 GPL	AVU BGU CHGA	2000 2011	1595	4		IN	06B109601D	3114	39.4	6	93.8	CV	45	K		
							EX	06B109611C	3115	32.9	6	93.8	PN	45	K	
																
SKODA																
Octavia 2.0 FSI 16V Superb 1.8 TFSI Yeti 1.8 TFSI	BLX BLY BLR CDAA	2004	1798 1994	4		IN	06D109601K 06E109601E 06D109601M	3126	33.8	6	104.0	CV	45	K		
							EX	06D109611K 06D109611L 06D109611T	3127	28.0	6	101.9	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			Br
								EX	058 103 415	G52488	11.06	6	35.9			Br
SKODA																
Fabia 1.2 TSI Octavia 1.2 TSI Roomster 1.2 TSI Yeti 1.2 TSI	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K		
							EX	03F109601B 03F109601C	3131	30.0	6	98.3	PN	45	K	
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.			
SKODA																		
Fabia 1.6 Tsi 16V Octavia 1.6 Tsi 16V Yeti 1.6 Tsi 16V Citigo 1.0	CWA CHYA CHYB	2014	999 1595	3 4		IN	04E109601	3147	29.6	5	110.2	PN	45	K				
						EX	04E109611L	3148	27.0	5	110.1	PN	30	K				
SKODA																		
Felicia 1.6	AEE	1998	1598	4		IN	030109601AH 030109601AD	5246	35.5	7	94.7	PN	45	K				
						EX	032109611G	5243	29.0	7	95.0	PN	45	K				
						IN	032 103 419A	G52464	11.07	6.98	33				Br			
					EX	032 103 419A	G52464	11.07	6.98	33					Br			
SKODA DIESEL																		
Octavia 1.9 D Octavia 1.9 Tdi	AGR AHF	1998	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K				
						EX	028109611G	2971	31.5	7	96.9	PN	45	K				
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br			
					EX	037 103 419B	G52470	12.06	6.98	36.5					Br			
SKODA DIESEL																		
Felicia D	AEF	1996	1900	4		IN	028109601B 028109601C	2972	36.0	7	95.5	PN	45	K				
						EX	028109611E	2973	31.1	7	95.6	PN	45	K				
						IN		G51227	12.06	7.98	36.5				Br			
					EX	056 103 419A	G51227	12.06	7.98	36.5					Br			
SKODA DIESEL																		
Fabia 1.9 Sdi Octavia 1.9 Sdi	ASY AEY AQM AGP	2000	1896	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K				
						EX	028109611K	3107	31.5	7	96.4	PN	45	K				
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br			
					EX	037 103 419B	G52470	12.06	6.98	36.5					Br			
SKODA DIESEL																		
Superb Tdi V6 24V	AYM	2001	2496	V6		IN	059109601B 059109601C	3108	27.2	6	100.6	PN	45	K				
						EX	059109611B	3109	24.1	6	100.6	PN	45	K				
						IN		G52632	10.06	5.98	42				Br			
					EX		G52632	10.06	5.98	42					Br			







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
SKODA DIESEL																
Fabia 1.9 TDi Superb 1.9 Tdi Fabia 1.4 TDi Eng,AMF(BEFORE 2003)	ATD	2000	1896	4	T	IN	038109601B	3110	36.0	7	89.9	PN	45	K		
	ASZ	2003	1422	3												
	AVB					EX	038109611B 038109611F	3111	31.5	7	89.9	PN	45	K		
	AWX AMF															
SKODA DIESEL																
Octavia 2.0 16V Tdi	BKD	2004	1968	4	T	IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
					EX	03G109611D	3121	25.4	6	87.5	PN	45	K			
						IN	058 103 415	G52488	11.06	6	35.9				Br	
						EX	058 103 415	G52488	11.06	6	35.9				Br	
SKODA DIESEL																
Superb 2.5 V6	BDG	2003	2496	V6	T	IN	059109601F	3122	27.2	6	100.6	PN	45	K		
					EX	059109611G	3123	24.1	6	100.7	PN	45	K			
SKODA DIESEL																
Fabia 1.4 TDi Eng,AMF (AFTER 2003) New Fabia 1.4 Tdi New Fabia 1.9 Tdi Superb 2.0 Tdi	AMF BSW BLS BMS BMP	2003	1422	3	T	IN	038109601E	3132	36.0	7	89.5	PN	45	K		
		2007	1896			4										
							EX	038109611E	3133	31.5	7	89.1	PN	45	K	
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br	
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
SKODA DIESEL																
Superb V6 30V	AMK BBG	2001	2771	V6	T	IN	059109601G	3138	28.6	6	99.3	PN	45	K		
					EX	059109611K	3139	26.8	6	99.2	PN	45	K			
SKODA DIESEL																
Octavia 2.0 Tdi RS 16V	CBAA CBAB CBBA CBBB	2007	1968	4	T	IN	03L109601	3142	28.1	6	99.3	PN	45	K		
					EX	03I109611	3143	26.0	6	99.1	PN	45	K			















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.							
SKODA DIESEL																						
Yeti 1.6 Tdi Yeti 2.0 Tdi Octavia 1.6 Tdi Roomster 1.2 TDi Roomster 1.6 Tdi Superb 1.6 Tdi Fabia 1.2 Tdi Fabia 1.6 Tdi	CAYC	2010	1199	3	4	IN	03L109601A	3144	26.5	6	99.3	PN	45	K								
	CFWA		1598				04L109601A															
	CLCA																					
	CFHA																					
	CFHF						EX	03L109611A	3145	24.4	6	99.1	PN	45	K							
	CUSA						04L109611A															
	CUSB																					
CUTA																						
SMART																						
Fortwo Turbo 1.0	M132930	2008	999	3		IN	1320530001	3248	28.0	5	85.5	CV	45	A								
							1010A124															
							EX	1320530005	3249	25.0	5	86.9	PN	45	A							
							1011A078															
SMART																						
Smart Smart City Fortwo Roadster Crossblade 600	M160910	1998 2002 2003 2004	599 698	3		IN	1600530001	3250	30.1	6	89.2	PN	45	A								
							EX									1600500027	3251	24.9	6	89.4	PN	45
							SMART															
							Smart Fourfour 1.1 12V Smart Fourfour 1.3 16V Smart Fourfour 1.5 16V	M134E11 M135E13 M135E15	2004	1124 1332 1499	3	4	IN	1350530001	3261	30.4	5	89.5	CV	45	A	
EX	1350530005	3262	25.4	5	90.9	CV								45								
SMART DIESEL																						
Smart 800 Dci	OM660	1999	799	3		IN								6600530101	2796	27.6	6	91.2	PN	45	K	
							EX	6600530005	2797	25.2	6	91.2	PN	45								
							SMART DIESEL															
Fourfour 1.5 Dci	OM639	2004	1493	3		IN	05175396AA	4218	28.5	6	102.3	PN	45	K								
							EX									05175397AA	4219	25.4	6	102.3	PN	45
							IN		G5S2816	11.56	6	34.4				MS						
							EX										G5S2816	11.56	6	34.4		











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SOLARIS																
Vacanza 12	XE 250 C XE 280 C	2002 2005	12580	6		IN	1342220	1178	45.5	9	163.3	PN	20	A		
							EX	1362696	1179	42.4	9	158.4	PN	45	A	
								IN	1313683	G52835	15.06	9	77			Gh
								EX	1313683	G52835	15.06	9	77			Gh
SOLARIS																
Urbino 18	D 2866 LOH 25	1999	11967	6		IN	51041010478	1625	58.0	12	142.5	PN	30	A		
							EX	51041010479	1626	51.0	12	142.5	PN	45	A	
								IN	51032010088	G52049	18.03	12.03	64			Gh
								EX	51032010088	G52049	18.03	12.03	64			Gh
SOLARIS																
Urbino 9 Urbino 12 Urbino 15	D 0824 LOH 05 D 0826 LOH 18 D 0826 LOH 17	1999	4580 6871	4 6		IN	51041010425	1630	49.0	10	136.6	PN	30	A		
							EX	51041010410	1631	42.0	10	136.3	PN	45	A	
								IN	51032011052	G52162	16.03	10	65			Gh
								EX	51032011053	G52163	16.03	10	55			Gh
SOLARIS																
Vacanza 12 Vacanza 13	MX 300	2005	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A		
							EX	1678541	2291	42.5	10	168.6	PN	30	A	
SOLARIS																
Alpino	ISBe4 250B	2007	6728	6		IN	1404919	5626	33.0	7	124.6	PN	30	A		
							EX	1404918	5627	33.0	7	124.3	PN	45	A	
SSANG YOUNG																
Korando E 2.0 Korando E 2.3 Korando E 3.2 Musso E 2.0 Musso E 3.2 MJ E 2.0 16V MJ E 2.3 16V Rexton 3.2 i V6 24V Eng.Mercedes	E20 E23 E32	1999	1998 2295 3199	4 6		IN	1110531101	2772	35.0	7	101.5	PN	45	A		
							EX	1110501227 1110501257	2773	31.0	7	103.5	PN	45	A	
								IN		G52453	12.56	7.02	37.5			Gh
								EX		G52453	12.56	7.02	37.5			Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
SSANG YOUNG														
Kyron	DDT		1998	4		IN	6650500427	3290	30.4	6	109.1	PN	45	K
						EX	6650530401	3291	27.6	6	108.8	PN	45	K
														
SSANG YOUNG DIESEL														
Korando 2.3 TD Korando 2.9 TD Musso 2.3 TD Musso 2.9 TD MJ 661 2.3 TD Rexton 2.9 Tdi Istana Furgonato	OM601 OM661 OM602 OM662	1999 2001	2299 2874	4 5		IN	6010531501 6010531901	2747	38.0	8	106.4	PN	45	A
						EX	6010502527 6010502827	2748	35.0	9	106.4	PN	45	A
														
						IN		G52099	14.03	8	39.5			Gh
						EX		G52101	14.03	9	37.5			Gh
SSANG YOUNG DIESEL														
MJ 2.9 TD		2001	2874	5		IN	6010531801	3292	38.0	8	105.5	CV	45	A
						EX	6010502627	3293	35.0	9	105.5	PN	45	A
														
STEYR DAIMLER PUCH														
280 GE 4x4 Eng. M 110 110.994 (115 KW)	M110	1983	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A
						EX	1170500127 1170500027	2729	39.1	9	118.2	PN	45	A
														
						IN	110 050 53 24	G52275	14.04	9	51.5			Ra
EX	110 050 65 24	G51311	15.04	11	54			Ra						
STEYR DAIMLER PUCH														
200 GE 4x4 Eng. M 102 102.964 (80 KW)	M102	1982 1984	1997	4		IN	1020531601 1020531801	2737	43.0	8	114.9	PN	45	A
						EX	1020500327	2738	39.0	9	115.8	PN	45	A
														
						IN	102 050 17 24	G52067	14.04	8	46			Ra
EX	102 050 18 24	G52069	14.04	9	51			Ra						
STEYR DAIMLER PUCH														
230 GE 4x4 Eng. M 102 102.981 / .998 102.958 / .987 (79/92 KW)	M102	1984	2299	4		IN	1020531501 1020531701	2739	46.0	8	115.0	PN	45	A
						EX	1020500327	2738	39.0	9	115.8	PN	45	A
														
						IN	102 050 17 24	G52067	14.04	8	46			Ra
EX	102 050 18 24	G52069	14.04	9	51			Ra						













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
STEYR DAIMLER PUCH															
300 GSE 4x4 Eng. M 103E (125 KW)	M103E	1989	2960	6		IN	1030531301	2745	43.0	8	110.3	PN	45	A	
							1030532001								
							EX	1030501727	2746	39.0	9	110.9	PN	45	A
							1030500527								
						IN	103 050 03 24	G52125	14.04	8	42		Ra		
						EX	103 050 07 24	G52127	14.04	9	48		Ra		
STEYR DAIMLER PUCH															
G 230 4WD Eng. M 104.996 (115 KW)	M104	1993	3199	6		IN	1110530201	2770	35.0	7	101.5	PN	45	K	
							EX	1110500527	2771	31.0	7	103.5	PN	45	K
						IN	606 053 02 30	G52453	12.56	7.02	37.5		Gh		
						EX	606 053 02 30	G52453	12.56	7.02	37.5		Gh		
STEYR DAIMLER PUCH DIESEL															
Eng. OM 616 616.936 / .938 240 GD 4x4 Eng. OM 617 617.931 / .932 300 GD 4x4 (53/65 KW)	OM616 OM617	1979	2399 2998	4 5		IN	6160530301	0163	39.8	10	131.5	CV	30	VA	
							6160530401								
							EX	6160500027	0164	34.2	10	131.0	PN	30	VA
							6160500527								
						IN	616 053 03 29	G50108	14.03	10	60		Gh		
						EX	621 053 36 30	G50110	14.03	10	48.5		Gh		
STEYR DAIMLER PUCH DIESEL															
Eng. OM 602 602.930 250 GD 4x4 (66 KW)	OM602	1985	2497	5		IN	6010530401	2747	38.0	8	106.4	PN	45	A	
							6010531201								
							EX	6010501227	2748	35.0	9	106.4	PN	45	A
							6010502127								
						IN		G52099	14.03	8	39.5		Gh		
						EX		G52101	14.03	9	37.5		Gh		
SUBARU															
Justy 1.3 i 16V (50 KW) Eng.G13BA Suzuki	G13BA	2002	1298	4		IN	1291182010	2540	36.0	7	115.5	CV	45	A	
							EX	1291582062	2541	30.0	7	114.6	PN	45	A
						IN		G52611	12.05	7	48		Gh		
						EX		G52611	12.05	7	48		Gh		
SUBARU															
Justy G3X 1.3 16V Eng.M13A	M13A	2004	1328	4		IN	1291154G00	2936	30.0	5.5	101.0	PN	45	A	
							EX	1291554G50	2937	25.0	5.5	99.0	PN	45	A
															















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
SUBARU																
Legacy Impreza 2.0 Sport Look Forester 2.0 115CV	EJ22	1990/92 2001	1994 2212	4		IN	13201AA080	3786	32.5	6	101.0	CV	45	A		
							13201AA082									
							13201AA190									
							EX	13202AA110	3787	28.0	6	101.2	CV	45		A
13202AA112																
13202AA171																
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	
SUBARU																
Impreza 1.6 AWD Impreza 1.8 Legacy 1.8 i 16V	EJ18	1989 1999	1820	4		IN	13201AA072	3794	31.0	6	101.0	CV	45	A		
							13201AA180									
							EX									13202AA102
							13202AA161									
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	
SUBARU																
Impreza 2.0 GT Legacy Eng. EJ20 (85/110 KW)	EJ20	1990	1994	4		IN	13201AA250	3796	36.0	6	93.2	CV	45	A		
							EX									13202AA281
							13202AA270									
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	
SUBARU																
Impreza 1.6 Eng. EJ16 70 Kw	EJ16	1999	1600	4		IN	13201AA420	3798	32.5	6	120.6	CV	45	A		
							EX									13202AA430
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	
SUBARU																
Legacy 2.5 16V Outback 2.5 16V		2004	2457	4		IN	13201AA361	3800	36.0	6	120.6	CV	45	A		
							EX									13202AA371
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	
SUBARU																
Justy 1.3 i 16V Eng. G13BB Suzuki	G13BB	2001	1298	4		IN	1291171C00	3802	29.1	5.5	92.3	PN	45	A		
							EX									1291571C50
IN	13212-AA040	G5S2664	11.08	6	52.5					MS						
EX	13212-AA040										G5S2664	11.08	6	52.5	MS	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SUBARU																
Impreza 1.5		2010	1498	4		IN	13201AA530	3804	29.3	6	104.4	CV	45	A		
							EX	13202AA560	3805	24.0	6	105.7	CV	45	A	
																
SUBARU																
Forester 2.0 16V AWD Legacy 2.0 16V Eng.EJ20J	EJ20J	2001 2004	1994	4		IN	13201AA351	3806	34.0	6	120.6	CV	45	A		
							EX	13202AA361	3807	30.0	6	121.6	CV	45	A	
																
SUBARU																
Forester 2.0T Impreza WRX Euro 3 Forester 2.5T 16V		2001 2004	1994 2457	4		IN	13201AA390 13201AA371	3808	35.9	6	104.4	CV	45	A		
							EX	13202AA400 13202AA411 13202AA412	3809	32.0	6	104.6	CV	45	A	
																
SUBARU																
Trezia 1.3 16V Eng. 1NR-FE	1NRFE	2011	1329	4		IN	1371147010	5538	28.9	5.5	103.4	PN	45	A		
							EX	1371547010	5539	24.3	5.5	104.6	PN	45	A	
																
SUBARU DIESEL																
Justy 1.3 Tdi 16V Eng.Z13DT		2003	1248	4		IN	641072	2924	21.8	6	109.2	PN	45	K		
							EX	641071	2925	21.8	6	109.2	PN	45	K	
																
						IN		G5S2805	10.03	6.02	43				MS	
						EX		G5S2805	10.03	6.02	43				MS	
SUBARU DIESEL																
Trezia 1.4 D Eng. 1ND-TV	1NDTV	2011	1364	4		IN	1371133030	3415	30.6	6	100.0	CV	45	A		
							EX	1371533040	3416	28.0	6	100.0	CV	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
SUZUKI															
GMI Metro Swift 1.0		1989/93	1000	3		IN	96060053 1291160B20	1380	35.0	5.5	84.1	CV	45	A	
						EX	96060054 1291560B70	1381	28.0	5.5	84.0	PN	45	A	
															
SUZUKI															
Jimmy SJ 40 Eng. F10A Cultus AA 41 / Swift 1.0-1.3 Eng. G10 1.3 GSi Samurai 1.0 - 1.3 Jimmy SJ 413-SJ410 Eng. G13A (38/44 KW)	G10A G13A F10A	1983 1984	970 993 1298 1325	3 4		IN	1291182000 1291182010	2540	36.0	7	115.5	CV	45	A	
						EX	1291582000 1291582062 1291582050	2541	30.0	7	114.6	PN	45	A	
						IN	11115-82000	G52611	12.05	7	48				Gh
						EX	11115-82000	G52611	12.05	7	48				Gh
SUZUKI															
Vibra Santana	G16A	1988	1590	4		IN	1291160A10	2542	36.6	7	115.6	CV	45	A	
						EX	1291560A50	2543	32.5	7	114.5	CV	45	A	
						IN	11115-82000	G52611	12.05	7	48				Gh
EX	11115-82000	G52611	12.05	7	48				Gh						
SUZUKI															
Alto 1.0		1998	993	4		IN	12911M72F10	2576	34.0	7	117.5	CV	45	A	
						EX	12915M72F10	2577	28.1	7	116.3	CV	45	A	
															
SUZUKI															
New Alto 1.1 Eng.RF410	RF410	2004	1061	4		IN	12911M84420 12911M84400	2578	26.6	5.5	90.5	CV	45	A	
						EX	12915M84400 12915M84440	2579	23.4	5.5	78.1	PN	45	A	
															
SUZUKI															
Liana 1.6 16V Jimmy 1.3 16V Swift 1.3 16V Eng.SN413V-M13A	SN413V M13A	2001 2004 2006	1328 1586	4		IN	1291154G00	2936	30.0	5.5	101.0	PN	45	A	
						EX	1291554G00 1291554G50	2937	25.0	5.5	99.0	PN	45	A	
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.							
SUZUKI																						
Splash 1.0 12V Splash 1.2 12V Eng.K10B-K12B	K10B K12B	2008	996 1242	3 4		IN	93193754	3628	27.5	5.5	87.5	PN	45	A								
							1291151K00 4708925															
							EX	93193762 4708933 1291587L50	3629	22.9	5.5	87.0	CV	45		A						
																						
SUZUKI																						
Swift Eng. G13B Escudo Eng. G16A Baleno 1.6 12V (54.5/70 KW) Baleno 1.3 Jimny 1.3 i 16V Vitara 1.6 16V Grand Vitara 1.6 16V CARRY 1.3 i 16V Wagon R 1.3 WT Eng.RB413	G13B G16B RB413	1987 1991 2000 2004	1299 1328 1590	4		IN	1291171C00	3802	29.1	5.5	92.3	PN	45	A								
							1299171C00															
							EX	1291571000 1291571C50	3803	24.9	5.5	79.9	PN	45		A						
													IN	11115-60B11		G5S2635	11.1	5.5	32			
						EX	11115-60B11	G5S2635	11.1	5.5	32				MS							
SUZUKI																						
Wagon R 1.0 Wagon R 1.2 Eng.K10A-K12A	K10A K12A	1998	996 1171	4		IN	1291173G00	3840	24.6	5.5	80.2	PN	45	A								
							EX	1291573G00	3841	21.5	5.5	81.3	PN	45		A						
						IN	11115-73G01-001	G5S2761	10.6	5.5	29.4				MS							
						EX	11115-73G01-001	G5S2761	10.6	5.5	29.4				MS							
SUZUKI																						
Ignis 1.3 16V Jimny 1.3 16V Eng.M16A	M16A	2001 2004	1328	4		IN	1291169G00	3842	30.0	6	100.8	PN	45	A								
							EX	1291569G50	3843	25.0	6	99.0	PN	45		A						
						IN	11115-54G00-001	G5S2771	10.6	5.5	40				MS							
						EX	11115-54G00-001	G5S2771	10.6	5.5	40				MS							
SUZUKI																						
Baleno 1.8 16V Eng.G18	G18	1994	1840	4		IN	1291186FA0	3848	33.0	6	86.2	CV	45	A								
							EX	1291586F50	3849	28.0	6	85.9	CV	45		A						
																						















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
SUZUKI															
Swift IV 1.2 16V Splash 1.2 16V Eng.K12BWT	K12BWT	2010	1242	4		IN	1291169L00	3852	27.5	5	87.5	CV	45	A	
						EX	1291569L00 1291569LG0	3853	22.9	5	87.1	PN	45	A	
															
SUZUKI DIESEL															
Vitara 1.9 DDIS	F9Q	2007	1870	4		IN	1291067JG0	0726	35.3	7	110.9	PN	45	A	
						EX	1291567JG0	0727	32.6	7	110.7	PN	45	A	
															
SUZUKI DIESEL															
Baleno 1.9 TD Vitara 1.9 TD	XUD9TE	1998	1905	4		IN	1283266G00 1291166G00 1291186CA0	0816	38.5	8	112.5	PN	45	A	
						EX	1291566G00 1291586CA0	0821	33.0	8	112.0	PN	45	A	
							IN	G52434	14.05	8.01	48				Br
						EX	G52434	14.05	8.01	48					Br
SUZUKI DIESEL															
Vitara 2.0 Tdi	RHZ	2001	1998	4		IN	094895	0856	35.6	6	107.1	PN	45	K	
						EX	094996	0857	33.8	6	107.1	PN	45	K	
							IN	0220-A2	G5S2750	10065	6.01	41.5			MS
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS
SUZUKI DIESEL															
Vitara 2.0 Tdi 16V	RHW	2002	1998	4		IN	0948C0	0881	29.9	6	106.2	PN	45	K	
						EX	0949A9	0882	25.0	6	106.2	PN	45	K	
							IN	0220-A2	G5S2750	10065	6.01	41.5			MS
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS
SUZUKI DIESEL															
Jimny 1.5 DDIS		2004	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K	
						EX	7701473183	1703	28.9	6	100.8	PN	45	K	
															







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
SUZUKI DIESEL																		
Vitara 2.0 TD	RF	1994	1998	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A				
						EX	0112121B	1711	36.0	8	106.8	PN	45	A				
						IN		G552731	11.05	6.01	39				MS			
						EX	011-10-290	G52346	14.03	8.03	37.7				Gh			
SUZUKI DIESEL																		
Liana 1.4 DDiS	RB414D	2004	1398	4		IN	1291173J00	2256	24.3	5.5	96.4	PN	45	K				
						EX	1291573J00	2257	22.4	5.5	96.5	PN	45	K				
																		
SUZUKI DIESEL																		
Wagon R 1.3 DDiS Ignis 1.3 DDiS Splash 1.3 Ddis Swift 1.3 Ddis	RB413D	2004 2008	1248	4		IN	1291185E00 12911M86J00	2924	21.8	6	109.2	PN	45	K				
						EX	1291585E00 12915M86J00	2925	21.8	6	109.2	PN	45	K				
																		
SUZUKI DIESEL																		
Grand Vitara 2.0 TDi			1997	4		IN	1291178E00	3850	39.4	8	106.8	PN	30	A				
						EX	1291578E00	3851	35.1	8	106.7	PN	45	A				
																		
TATA DIESEL																		
Indica 2.0 Tdi 16V	483DL	2007	1998	4		IN	254705125114	0816	38.5	8	112.5	PN	45	A				
						EX	4705125113	0821	33.0	8	112.0	PN	45	A				
																		
TATA DIESEL																		
LPS 3516 LPT 1613 LPT 1615	6 BT5.9	2007 2012	5883	6		IN	3920867	1968	45.0	8	129.2	PN	30	A				
						EX	3920868	1969	42.0	8	129.0	PN	45	A				
																		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
TEMSA															
Diamond 14	D 2066 LOH 04	2006	10518	6		IN	51041010574	1798	40.0	9	160.4	PN	30	K	
						EX	51041010546	1799	38.0	9	160.4	PN	45	K	
															
TEMSA															
Tourmalin 12 Tourmalin 13	PR 228 S	2006	9260	6		IN	1345509	1844	40.5	9	157.7	PN	20	A	
						EX	1352127	1845	37.0	9	155.1	PN	45	A	
							IN	1313683	G52835	15.06	9	77			
						EX	1313683	G52835	15.06	9	77				Gh
TEMSA															
Safari 12 HD Safari 13 HD Safir Safir Vip Safir Plus Safir Plus Vip	MX 300	2009 2010	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A	
						EX	1678541	2291	42.5	10	168.6	PN	30	A	
															
TEMSA															
Tourmalin 12 Tourmalin 13	ISBe4 300	2006	6728	6		IN	3940735	5626	33.0	7	124.6	PN	30	A	
						EX	3940734	5627	33.0	7	124.3	PN	45	A	
															
TOYOTA															
Mark II / ToyoAce / Corona HiAce / TownAce Hi Lux 1600 Torveno 1.6 TownAce 1.6(48 KW)	12 R	1977	1587	4		IN	1371131050	0724	40.0	8	109.0	PN	45	A	
						EX	1371531070	0725	34.0	8	109.0	PN	45	A	
							IN	11122-23010	G51400	14.04	8	50			
						EX	11122-23010	G51400	14.04	8	50				Gh
TOYOTA															
Camry / Carina / Chaser / Celica / Corona / Cresta / Mark II / Vista 1800 Camry / Vista	1S 2S	1981/86 1982/86	1832 1995	4		IN	1371163010	1767	40.0	8	109.7	PN	45	L	
						EX	1371563011 1371563010	1768	34.0	8	109.3	PN	45	L	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
TOYOTA																
Corolla	12T	1970	1407	4		IN	1371125011	1779	41.0	8	109.0	CV	45	L		
Celica	13T	1976	1588													
Carina		1978	1770													
Sprinter 1400		1979														
Corona						EX	1371525011	1780	36.0	8	109.0	CV	45	L		
Sprinter																
Torveno																
TownAce																
Chaser																
Cresta																
LiteAce																
Mark II 1800																
TOYOTA																
Corona	18R	1972	1969	4		IN	1371134010	1789	41.0	8	113.2	CV	45	L		
Chasel																
Cressida																
HiAce																
Mark II						EX	1371538020 1371534010 1371534032	1782	36.0	8	113.2	PN	45	L		
Carina																
HiLux																
Celica 2000						IN	11122-33011	G51332	14.04	8.01	53				Gh	
						EX	11122-38021	G51936	13.04	8	57				Gh	
TOYOTA																
Yaris 1.0	1SZFE	1999	998	4		IN	1371123030	1810	26.0	5	88.2	CV	45	A		
Yaris 1.0 16V	2SZFE	2004	1296					137110J010								
Yaris 1.3 16V		2006						1371197401								
						EX	1371597401 1371523030 137150J010	1811	22.6	5	89.2	CV	45	A		
						IN	11124-87101	G52691	12.08	6.6	55				Gh	
						EX	11128-87101	G52692	12.08	6.6	55				Gh	
TOYOTA																
Yaris 1.3 16V	1NZFE	2001	1299	4		IN	1371121010	1812	30.5	5	89.2	CV	45	A		
Yaris 1.5 16V	2NZFE		1497													
Prius 1.5 16V																
Allian 1.5						EX	1371521010	1813	25.4	5	88.0	CV	45	A		
Auris 1.5																
Corolla 1.5																
Corolla 1.5 SW																
Rumion 1.5																
Verso 1.5																
Platz 1.3																
Will 1.3																
Ractis 1.5																
Sienta 1.5																
Spade 1.5																
TOYOTA																
MR2 1.8 i 16V WT	2ZZFE	2001	1398	4		IN	137110D020	1814	31.0	5.5	88.7	CV	45	A		
Celica 1.8 i 16V WT	3ZZFE	2004	1598					1371122040								
Corolla 1.4 16V	4ZZFE		1794													
Auris 1.4						EX	1371522040 137150D010 137150D020	1815	26.1	5.5	88.7	CV	45	A		
Corolla 1.6 16V																
Avensis 1.8 16V																
Avensis 1.6 16V																
Rav4 1.8i WT																
						IN	11122-20020	G52699	10.34	5.51	34.5				Gh	
						EX	11122-20020	G52699	10.34	5.51	34.5				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
TOYOTA															
Rav 4 2.0 16V Avensis 2.0 16V	1AZFE	2000	1998	4		IN	1371128030	1816	33.9	5.5	101.7	CV	45	A	
	1AZFSE 2AZFE	2009				EX	1371528030 1371528010	1817	29.5	5.5	101.1	CV	45	A	
						IN	11122-28010	G52698	10.34	5.51	38.4				Gh
						EX	11126-20020	G52743	10.34	5.51	40.5				Gh
TOYOTA															
IQ 1.0 Aygo 1.0 WT Yaris 1.0	1KRFE	2005	998	3		IN	1371140040	2253	27.4	5	88.4	CV	45	A	
		2009 2010				EX	1371540040	2254	23.6	5	89.2	CV	45	A	
															
TOYOTA															
Coaster Massy Dyna Tractor FB Bus Fork File		1981 1992	2366			IN	1371135010	2552	45.0	8	113.5	PN	45	L	
						EX	1371535020	2553	37.0	8	112.3	PN	45	L	
						IN	11122-38021	G51936	13.04	8	57				Gh
						EX	11122-38021	G51936	13.04	8	57				Gh
TOYOTA															
Town Ace Lite Ace / Master Ace HiAce / HiLux / Master Ace / Town Ace	1Y	1983	1626	4		IN	1371171010	2558	40.1	8	108.3	PN	45	A	
	2Y 3Y		1812 1998			EX	1371571010	2559	36.0	8	108.6	PN	45	A	
															
TOYOTA															
Hiace Coaster	2TRFE	2008	2693	4		IN	1371175110	3830	37.5	5.5	106.4	PN	45	A	
						EX	1371575100	3831	31.6	5.5	106.9	PN	45	A	
															
TOYOTA															
Starlet Starlet Corolla 12V EP 71 / 76 / 81 Tercel (40/55/68 KW) Eng.1EL3-2EL2E	EP71	1984	999	4		IN	1371210010	5125	21.0	6	98.5	PN	45	A	
	1EL3 2EL2E	1985 1987 1991 1993	1296			IN	1371110020	5123	30.0	6	92.4	CV	45	A	
						EX	1371510030	5124	31.0	6	92.5	CV	45	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
TOYOTA																		
Paseo Tercel / corsa / Cyros 16V (85 KW) Corolla 1.3 16V	4EFE	1992 1992/93	1332 1496 1497	4		IN	1371111012 1371111011	5126	28.5	6	93.5	CV	45	A				
						EX	1371511030	5117	24.5	6	94.0	CV	45	A				
						IN	11122-10040	G52206	11.04	6.01	40.5				Gh			
				EX		11122-10040	G52206	11.04	6.01	40.5					Gh			
TOYOTA																		
Rav 4 Eng.2GRFE Land Cruiser Prado	1GRFE 2GRFE	2009 2010	3456 4461	V6 V8		IN	1371131100	5494	38.0	5.5	105.9	CV	45	A				
						EX	1371531120	5495	32.0	5.5	110.4	CV	45	A				
																		
TOYOTA																		
Landcruiser 100 4.7V8 GS 430 WT LS 430 WT	2UZFE 3UZFE	2000	4664 4293	6 8		IN	1371150060	5496	34.5	5.5	95.1	CV	45	A				
						EX	1371550060 1371550070	5497	29.0	5.5	95.1	PN	45	A				
																		
TOYOTA																		
Lexus IS 200	1GFE	1999	1988	6		IN	1371170060	5498	29.5	5	91.7	CV	45	A				
						EX	1371570080	5499	25.0	5	91.8	CV	45	A				
																		
TOYOTA																		
Corolla 1.6 16V Corolla Sedan / Wagon Celica	4AF	1987/90 1989	1587	4		IN	1371115030	5502	30.0	6	91.3	CV	45	A				
						EX	1371515030	5503	24.5	6	91.9	CV	45	A				
																		
TOYOTA																		
Cressida / Supra 24V Supra Turbo (150 KW)	7MGE	1988 1992	2954	4		IN	1371142020	5504	32.0	6	98.2	CV	45	A				
						EX	1371542010	5505	27.5	6	98.3	CV	45	A				
						IN	11122-42010	G52348	11.04	6.01	37				Gh			
				EX		11122-16020	G52349	11.04	6.01	40.5				Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
TOYOTA															
Camry / celica / MR2 (88 KW)	3SFE	1987 1991 1992	1998	4		IN	1371174040 1371174020	5506	32.0	6	100.7	CV	45	A	
						EX	1371574020	5507	27.0	6	100.5	CV	45	A	
						IN	11122-74030	G52666	11.03	6.01	38.5				Gh
						EX	11122-16010	G52667	11.03	6.01	40.5				Gh
TOYOTA															
Camry ES 250 (118 KW)	2VZFE	1989 1990 1991	2506	6		IN	1371162020	5512	33.0	6	96.1	CV	45	A	
						EX	1371562020	5513	27.2	6	96.2	PN	45	A	
TOYOTA															
P.U. 2WD / 4WD 4 Runner 2WD / 4WD T 100 4 Runner 3.0 V6 Eng. 3VZ - E (105 KW)	3VZFE	1988 1988 1993	2959	4 6		IN	1371165010	5514	42.0	8	104.3	CV	45	A	
						EX	1371565010	5515	34.9	8	104.0	CV	45	A	
TOYOTA															
Camry V6 24V 3.0 ES 300 Eng. 3VZ - FE	3VZFE	1992 1992 1998	2957	6		IN	1371162030	5516	34.0	6	95.2	CV	45	A	
						EX	1371562030 1371562040 1371562050	5517	27.3	6	95.0	CV	45	A	
TOYOTA															
Lexus ES 300 Lexus RX 300 WT Eng. 1MZFE	1MZFE	1996	2995	6		IN	1371120020	5522	34.0	5.5	95.2	CV	45	A	
						EX	1371520020	5523	27.3	5.5	95.3	CV	45	A	
TOYOTA															
Lexus GS 300 Lexus GS 300 WT			3000	6		IN	1371146022 1371146021	5524	33.5	6	98.6	CV	45	A	
						EX	1371546020	5525	29.0	6	99.1	PN	45	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
TOYOTA															
Carina 2.0 Rav 4.2.0 Camry 3.0 6V Picnic 2.0 16V Funcruiser 2.0 16V DOHC Camry Celica MR2 Turbo		1990 1992 1993	1998 2959	4 6		IN	1371103020 1371174101	5526	32.0	6	97.6	CV	45	A	
						EX	1371503020 1371574100	5527	26.9	6	98.4	CV	45	A	
															
TOYOTA															
Yaris 1.8 i 16V Eng.2ZRFE Auris 1.6 i 16V Eng.1ZRFE Rav 4.2.0 16V Dohc Avenis 2.0 16V Dohc	1ZRFE 2ZRFE	2006 2009	1797 1987	4		IN	1371137020 137110T010	5532	32.0	5.5	109.4	CV	45	A	
						EX	1371537030 137150T010	5533	27.5	5.5	108.3	CV	45	A	
															
TOYOTA															
Celica 1.8 T Sport Corolla 1.8 16V Eng. 2ZZGE	2ZZGE	2001	1796	4		IN	1371188600	5534	34.0	5.5	111.3	CV	45	A	
						EX	1371588601	5535	29.0	5.5	111.7	CV	45	A	
						IN	11122-88600	G5S2662	10.55	5.51	43				MS
						EX	11122-88600	G5S2662	10.55	5.51	43				MS
TOYOTA															
Avenis 1.8 WT 16V Celica 1.8 WT 16V Corolla 1.8 WT 16V Celica 1.8 MR2 1.8 WT 16V Rav 4 1.8 WT 16V Eng. 1ZZ-FE	1ZZFE	1794	2000	4		IN	1371122030	5536	32.0	5.5	88.7	CV	45	A	
						EX	1371522030	5537	27.5	5.5	88.7	CV	45	A	
						IN	11122-20020	G52699	10.34	5.51	34.5				Gh
						EX	11122-20020	G52699	10.34	5.51	34.5				Gh
TOYOTA															
Verso 1.3 16V S IQ 1.3 16V Yaris II 1.3 16V Yaris III 1.3 16V Urban Cruiser 1.3 16V Eng.1NRFE	1NRFE	2011	1329	4		IN	1371147010	5538	28.9	5.5	103.4	PN	45	A	
						EX	1371547010	5539	24.3	5.5	104.6	PN	45	A	
															
TOYOTA															
LS 400 SC 400		1990/93 1992/93		4		IN	1371150020	6094	33.5	6	95.0	CV	45	A	
						EX	1371550020	6095	28.0	6	97.0	PN	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
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TOYOTA DIESEL

Corolla 1.9 D	1WZ	2000	1868	4		IN	SU00100100	0816	38.5	8	112.5	PN	45	A	
						EX	SU00100101	0821	33.0	8	112.0	PN	45	A	
															



TOYOTA DIESEL

Aygo 1.4 Dt	ZWZTV DV4TD	2006	1398	4		IN	SU00100551	0894	32.8	5.5	97.3	CV	45	K	
						EX	SU00100552	0895	30.3	5.5	97.3	PN	45	K	
															



TOYOTA DIESEL

KZJ070 3.0 D Landcruiser 3.0 TD	1KZ-T	1998	2446 2982	4 6		IN	1371154020	1790	42.5	8	103.5	PN	45	A	
						EX	1371567020	1795	37.1	8	103.5	PN	45	A	
															



TOYOTA DIESEL

Corolla 2.0 D Avensis 2.0 D Previa 2.0 D RAV 4 2.0 Tdi	1CDFTV	2000	1995	4		IN	1371127010	1818	28.0	6	102.6	PN	45	A	
						EX	1371527010	1819	24.0	6	102.0	PN	45	A	
															



TOYOTA DIESEL

Landcruiser 4.2 TDI	1HDFTE	1998	4164	8		IN	1371117020 1371117021	1820	33.0	7	127.2	PN	45	A	
						EX	1371517030	1821	30.5	7	127.3	PN	45	A	
															

TOYOTA DIESEL

Coaster Dyna Route Fork Shovel ToyoAce	2J	1981	2481	4		IN	1371148010	2546	40.5	9	120.7	PN	45	A	
						EX	1371548010	2547	33.5	9	120.7	PN	45	A	
							IN	11122-46010	G51767	14.04	9.02	56			
	EX	11126-46010	G51768	14.04	9.02	60				Gh					

TOYOTA DIESEL

Camry / Corona / Corolla / Sprinter / TownAce / Vista 1800 TownAce 2000 HiLux / ToyoAce (48/53 KW)	1C 2C	1981 1983 1985	1839 1974	4		IN	1371164011 1371164010	2548	38.5	8	105.5	PN	45	A	
						EX	1371564010	2549	32.5	8	106.5	PN	45	A	
							IN	11126-24020	G51448	13.04	8.01	50			
	EX	11126-24020	G51448	13.04	8.01	50				Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
TOYOTA DIESEL															
Avensis 2.0 TD Picnic 2.2 TD Corolla 2.0 D	2CTE 3CTE	1998	1975 2184	4		IN	1371164030	2548	38.5	8	105.5	PN	45	A	
							1371164020								
						EX	1371564030 1371564040	1794	32.4	8	105.3	PN	45	A	
						IN	11122-64010	G52703	13.04	8015	46				Gh
				EX		11126-64030	G52704	13.04	8.01	50					MS












TOYOTA DIESEL															
Corolla 1.4 D4-D Yaris 1.4 Tdi Auris 1.4 D IQ 1.3 Tdi Urban Cruiser 1.4 TD	1NDTV	2002 2004 2010	1364	4		IN	1371133030	3415	30.6	6	100.0	CV	45	A	
							1371133031								
						EX	1371533040 1371533041	3416	28.0	6	100.0	CV	45	A	
						IN	11122-30020	G52701	11.09	6.01	40.6				MS
				EX		11122-30020	G52701	11.09	6.01	40.6					MS






















TOYOTA DIESEL															
5L Hiace	1KZTE		3000	4		IN	1371154030	3814	42.5	8	104.2	PN	45	A	
							1371105020								
						EX	1371554050	3815	36	8	103.9	PN	45	A	











TOYOTA DIESEL															
Hi-Lux 2.5 D-4D	2KDFTV		2494	4		IN	1371130040	3832	30.5	6	105.6	PN	45	A	
							137110L010								
						EX	1371530040 137150L010	3833	26.5	6	105.8	PN	45	A	

TOYOTA DIESEL															
Rush 1.5 16V Vios Soluna Vios	3SZVE	2008	1500	4		IN	13711B1020	3834	27.5	5	88.1	PN	45	A	
						EX	13715BZ010	3835	23.4	5	89.0	PN	45	A	







TOYOTA DIESEL															
Auris 2.0 16VD-4D Avensis 2.2 D 16V RAV 4.2.2 D 136 CV RAV 4.2.2 177 CV Corolla Verso 2.2 16V D	1ADFTV 2ADFTV	2006 2009 2011	2230	4		IN	137110R010	5492	30.1	6	104.5	PN	45	A	
							1371151030								
						EX	137110R010 1371551030	5493	27.0	6	104.1	PN	45	A	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
TOYOTA DIESEL															
Landcruiser 90 3.0 Eng. 1KZTE	1KZTE	2001	2982	4		IN	1371154040	5550	42.4	8	104.2	PN	45	A	
						EX	1371567040	5551	37.0	8	104.2	PN	45	A	
															
TOYOTA DIESEL															
Landcruiser 95 3.0 Land Cruiser Prado	1KDFTV	2001 2010	2982	4		IN	1371130030	5552	32.2	6	105.4	PN	45	A	
						EX	1371530030	5553	27.7	6	105.4	PN	45	A	
															
UTOS UNIVERSAL															
U 650 Tractor		1966		4		IN	10302117	1860	41.0	11	167.5	PN	45	FB	
						EX	10302118	1861	37.0	11	167.5	PN	45	FB	
															
UTOS UNIVERSAL															
U 450		1966		4		IN	D02711	1864	43.5	11	169.0	PN	45	FB	
						EX	D022005	1865	37.0	11	168.5	PN	45	FB	
															
						IN		G51884	18.17	11	85				Gh
						EX		G51884	18.17	11	85				Gh
UTOS UNIVERSAL															
MTZ - 50						IN	501007014	1920	48.0	11	158.5	PN	45	B	
						EX	501007015	1921	42.0	11	158.5	PN	45	B	
															
UTOS UNIVERSAL															
MTZ - 50				4		IN	4753526630	4400	47.8	11	157.8	PN	30	B	
						EX	4753421198	4401	41.8	11	157.8	PN	45	B	
															
VAN HOOL															
Acron TX 16 450	DC 13.124	2015	12742	6		IN	1886246	1008	44.0	10	171.6	PN	20	A	
						EX	1886247	1009	41.0	10	171.6	PN	45	A	
															
						IN	1403823	G52634	16.01	10	73				Gh
						EX	1403823	G52634	16.01	10	73				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
VAN HOOL															
A-Serie A 300	D 2866 LOH	1992	11967	6		IN	51041010478	1625	58.0	12	142.5	PN	30	A	
A-Serie A 360	25	1997													
A-Serie A 600	D 2866 LOH	2004				EX	51041010479	1626	51.0	12	142.5	PN	45	A	
A-Serie AG 300	07														
A-Serie AG 500						IN	51032010088	G52049	18.03	12.03	64				Gh
Eos 90. 90L						EX	51032010088	G52049	18.03	12.03	64				Gh
Eos 100															
Eos 200. 200 L															
Eos 223															
VAN HOOL															
A-Serie A 300	D 0836 LOH	2004	6871	6		IN	51041010425	1630	49.0	10	136.6	PN	30	A	
A-Serie A 308	01														
A-Serie A 320	D 0836 LOH					EX	51041010410	1631	42.0	10	136.3	PN	45	A	
A-Serie A 330	03														
A-Serie A 360						IN	51032011052	G52162	16.03	10	65				Gh
						EX	51032011053	G52163	16.03	10	55				Gh
VAN HOOL															
Serie 9 913 CL	D 2866 LUH	2005	11967	6		IN	51041010547	1635	46.0	9	153.6	PN	30	K	
Serie 9 915 CL	24														
Serie 9 915 TL						EX	51041010548	1636	46.0	9	153.7	PN	45	K	
VAN HOOL															
A-Serie A 330	PR 228 S	2006	9200	6		IN	1345509	1844	40.5	9	157.7	PN	20	A	
A-Serie AG 300	PR 265 S														
T-Serie T 911						EX	1352127	1845	37.0	9	155.1	PN	45	A	
VAN HOOL															
A-Serie A 300 CNG	E 2866 DUH	2005	11967	6		IN	51041010438	2347	58.0	12	142.5	PN	30	A	
A-Serie A 320 CNG	03														
A-Serie A 330 CNG						EX	51041010439	2348	51.0	12	142.5	PN	30	A	
A-Serie AG 300 CNG															
Vauxhall															
Adam 1.2	A10XEP	2000	973	3 4		IN	09158477	2068	28.0	5	93.8	CV	45	K	
Adam 1.4	A12XEL	2003	998						90529527						
Adam 1.4 LPG	A12XER	2004	1199			EX	09158474	2069	25.0	5	93.8	CV	45	K	
Agila 1.0 12V	A14NEL	2005	1229					90529529							
Agila 1.2 16V	A14NET	2009	1364												
Agila 1.2 16V Twinport	A14XER	2010	1398												
Astra 1.2 16V	X10XE	2011													
Astra 1.4i 16V	X12XE	2012													
Astra Van 1.4	Z10XE														
Astra 1.4 Turbo	Z10XEP														
Cascada 1.4	Z12XE														
Combo Tour 1.4	Z12XEP														
Corsa 1.0i 12V	Z14XEL														
Corsa 1.2 16V	Z14XEP														
Corsa 1.2 16V Dual fuel															
Corsa 1.2 Twinport															
Corsa Van 1.2 1															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
VAUXHALL																
Astra 1.8i 16V	C18XE	1993	1799	4		IN	90412277	2170	32.0	6	102.1	PN	45	K		
Astra 2.0i 16V	C18XEL	1994	1998	6												
Astra 2.0 Turbo	C25XE	1996	2198													
Calibra 2.0i 16V	X18XE	2001	2498													
Calibra 2.0i 16V 4x4	X20XER	2003	2597			EX	90410813	2171	29.0	6	92.2	PN	45	K		
Calibra 2.5i 16V	X20XEV	2005	2962													
Frontera 2.2i	X22XE	2006	3175													
Omega 2.0 16V	X22SE	2009														
Omega 2.2 16V	X25SE															
Omega 2.5 V6	X30XE															
Omega 2.6 V6	Y22SE															
Omega 3.0 V6	Y22XE															
Omega 3.2 V6	Y26SE															
Signum 3.2 V6	Y32SE															
Sintra 2.2i 16V	Z20LEH															
Sintra 3.0i 24V	Z20LEL															
Vectra 1.8i 16	Z20LER															
	Z20LET															
	Z22XE															
	Z32SE															
VAUXHALL																
Astra 2.2 16V	A20NFT	1995	1998	4		IN	641063	2192	35.1	6	102.2	CV	45	K		
Astra 2.2 16V SW	A20NHT	1998	2198													
Insignia 2.0 Turbo	Z22SE	2001														
Insignia 2.0 4x4	Z22YH	2004				EX	641376	2193	30.1	6	100.9	CV	45	K		
Signum 2.2i		2005														
Speedster 2.2i 16V		2088														
Vectra 2.2i 16V		2011														
Vectra 2.2i 16V SW		2014														
Zafira 2.2 16V																
VAUXHALL																
Rascal 1.0 Autobus	F10A	1986	970	4		IN	1291182010	2540	36.0	7	115.5	CV	45	A		
Rascal 1.0 Pickup							EX	1291582000	2541	30.0	7	114.6	PN	45	A	
						IN		G52611	12.05	7	48				Gh	
						EX	11115-82000	G52611	12.05	7	48				Gh	
VAUXHALL																
Frontera 3.2i	6VD1	1992	3165	6		IN	641049	2621	34.0	6	103.8	CV	45	A		
Monterey 3.2		1998					EX	641360	2622	28.9	6	103.4	CV	45	A	
																
VAUXHALL																
Combo Mk III Cassone/Furgonato 1.4	A14FP	2011	1368	4		IN	46403681	2921	26.9	6	95.2	CV	45	K		
							EX	46471639	2922	22.4	6	96.0	PN	45	K	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
VAUXHALL DIESEL														
Astra 1.9 CDTi Sport Hatch	A20DTC	2005	1956	4		IN	4817354	2316	28.6	6	95.7	PN	45	K
Astra 1.9 CDTi 16V	A20DTH	2011	1991											
Astra 1.9 CDTi SW	A20DTJ	2013												
Astra 2.0 CDTi	Z19DTH													
Astra 2.0 CDTi SW	Z19DTJ					EX	4817338	2317	24.4	6	95.7	PN	45	K
Cascada 2.0 CDTi														
Insignia 2.0 CDTi														
Insignia 2.0 CDTi 4x4														
Insignia 2.0 CDTi Sports Tourer														
Signum 1.9 CDTi 16V														
Vectra 1.9 CDTi														
Vectra 1.9 CDTi SW														
Zafira 1.9 CDTi														
Z														
VAUXHALL DIESEL														
Vivaro Combi 1.6 CDTi	R9M413	2014	1598	4		IN	6260500500	2362	23.5	6	104.1	PN	45	K
Vivaro Furgonato 1.6 CDTi	R9M450	2016												
						EX	6260500800	2363	23.4	6	104.0	PN	45	K
VAUXHALL DIESEL														
Movano Combi 2.3 CDTi	M9T 676	2010	1995	4		IN	93161682	3652	27.7	6	103.9	PN	45	K
Movano Van 2.3 CDTi	M9T 670	2013	2298											
Movano Chassis/Cab 2.3 CDTi	M9T 680	2014												
Vivaro Combi 2.0 CDTi	M9T 876	2015												
Vivaro Furgonato 2.0 CDTi	M9T 870					EX	93161681	3653	26.1	6	103.8	CV	45	K
	M9R 630													
	M9R 780													
	M9R 782													
	M9R 784													
VOLKSWAGEN														
1200 - 1303 - 1200 L		1974	1285	4		IN	311109601	0734	35.5	8	112.0	CV	45	K
Kombi / Bus / Transporter		1980	1584											
1303 L / LS														
1303 Cabriolet 1.6 (33/37 KW)						EX	043109611 043109611A	2603	30.0	9	112.0	CV	45	K
VOLKSWAGEN														
Derby / Polo GL / L		1975	895	4		IN	052109601	0741	31.5	8	104.0	CV	45	A
Derby / Polo Light / L		1977	1093											
Derby / Polo GLS / LS / S		1979	1272											
Golf / Scirocco GL / L		1981												
Golf GL / L / Formel E						EX	052109611	0742	28.0	8	104.0	CV	45	A
Derby / Polo GLS / LS (29/37/44 KW)														
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
VOLKSWAGEN															
Jetta C / CL / GL Passat C / L / CL Santana CX Golf / Jetta / C / CL / GL Scirocco GL / GLS / GT Jetta GL / GLS / GS / CL Passat GL / CL / C Variant / Formel E Santana CL / GL Scirocco GL / CL / GT LT 28 / 31 / 35 / 45 LT 28 / 31 / 35 / 45 / 50	DL	1981 1982 1983 1984 1989	1297 1457 1588 2384 2383	4 6		IN IN EX	049109601K 049109601F 030109601F 030109601B 030109601D 073109601D 073109601A 030109601C 049109611F	1118 3008 1119	34.0 36.0 31.2	8 8 8	98.7 98.8 98.5	CV PN CV	45 45 45	K K K	
						IN EX	056 103 419A 049 103 419	G51227 G51498	12.06 12.06	7.98 7.98	36.5 42.3				Br Br
VOLKSWAGEN															
Golf GTI / GLI Jetta CLI / GLI / GTI Scirocco GLI / GTI (81 KW)		1975/83 1981 1982/86	1588	4		IN EX	049109601A 049109611A	1125 1126	38.0 31.2	8 8	105.7 105.5	CV CV	45 45	A A	
						IN EX									Br Br
VOLKSWAGEN															
Golf Passat Sharan New Beetle 1.8T Bora 1.8T Passat 1.8T 20V	AGU AEB AJH AWU AWT	1998 1999 2005	1781	4		IN EX	058109601C 058109611E	1132 1135	27.0 29.9	6 6	105.1 103.9	CV PN	45 45	K K	
						IN EX	058 103 415 058 103 415	G52488 G52488	11.06 11.06	6 6	35.9 35.9				Br Br
VOLKSWAGEN															
Golf 1.8 Bora 1.8 Passat 1.8 Passat 2.8	AGN ADR APR	1998 1999	1781 2771	4 V6		IN EX	058109601C 058109611M 06B109611D	1132 1133	27.0 29.9	6 6	105.1 104.0	CV PN	45 45	K K	
						IN EX	058 103 415 058 103 415	G52488 G52488	11.06 11.06	6 6	35.9 35.9				Br Br
VOLKSWAGEN															
Routan 3.6 V6	CJRA	2014	3600	V6		IN EX	05184127AC 7B0109601B 05184128AE 7B01096011B	2644 2645	39 30	6 6	116.4 115.7	PN PN	45 45	K K	
						IN EX									
VOLKSWAGEN															
LT 2.3 Eng.AGL Mercedes	AGL	1997	2300	4		IN EX	00A109601A 00A109611	2772 2773	35.0 31.0	7 7	101.5 103.5	PN PN	45 45	A A	
						IN EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
VOLKSWAGEN																				
Lupo 1.0	AHT	2000	997	4		IN	047109601F	2962	34.0	7	103.8	CV	45	K						
							EX	047109611B	2963	27.0	7	103.7	PN	45	K					
																				
VOLKSWAGEN																				
LT 28 / 31 / 35 / 45 / 50	IE	1989	2383	6		IN	073109601C	2967	36.0	8	88.9	PN	45	K						
							EX	073109611A	2968	31.2	8	88.9	PN	45	K					
																				
VOLKSWAGEN																				
Golf VII 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K						
							EX	04E109611K	2977	23.5	5	110.1	PN	30	K					
																				
VOLKSWAGEN																				
Golf VII 1.4 TSI 16V	CMBA CHPA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K						
							EX	04E109611J	2979	25.0	5	110.1	PN	30	K					
																				
VOLKSWAGEN																				
Golf GTI / GLI Scirocco GTI / GLI / GTS Jetta / Passat GTI (82 KW)	DZ	1983	1781	4		IN	026109601	3006	40.0	8	98.7	PN	45	K						
							026109601D													
							EX	035109613	2969	33.2	8	98.0	PN	45	K					
							EX	035109611H	3007	33.2	8	98.5	PN	45	K					
							EX	035109611F												
	IN	056 103 419A	G51227	12.06	7.98	36.5							Br							
	EX	049 103 419	G51498	12.06	7.98	42.3								Br						
VOLKSWAGEN																				
Polo / Derby L / CL / GL Polo / Derby S / SL / GLS Golf GL / L / Formel E Passat L / GL Polo Derby LS / GLS Golf / Jetta GLS / S / GL / L / LS Scirocco GL / GTL / L (29/37/40/44 KW)		1979 1981	895 1093 1272	4		IN	036109601	3013	34.0	8	104.0	CV	45	A						
							EX	052109611	0742	28.0	8	104.0	CV	45	A					
								IN	056 103 419A	G51227	12.06	7.98	36.5							Br
								EX	056 103 419A	G51227	12.06	7.98	36.5							Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.
VOLKSWAGEN															
Transporter 2.5 B 115CV Corrado 2.0 i	AVT ADY	1994	2500	4		IN	048109601A	3014	39.5	8	91.9	PN	45	K	
						EX	053109611	2980	33.2	8	91.2	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
VOLKSWAGEN															
Golf / Jetta Passat / Scirocco Jetta CL / GL Golf / CL / GLI Jetta / Passat / Scirocco Golf / Jetta / Passat CL / GL / GT Golf / Vento / Passat CL / GL / GT Golf / Vento / Passat CL / GL / GT / Syncro Transporter T4 / Syncro T4		1984 1985 1988 1989 1991 1993	1588 1595 1781 1994 2226	4 5		IN	035109601K 035109601K 035109601G 035109601J	3016	38.0	8	91.9	PN	45	K	
						EX	035109611K 034109611B	3005	33.2	8	90.8	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
VOLKSWAGEN															
Golf/Vento/Passat 1.4 i 16V Passat Synchro Corrado/Golf Cabriolet Sharan Eng. ADY Bora 1.6 i New Beetle Passat 2.0 Transporter 2.0 Vento 1.6 i Vento 2.0 i	ADY AEH AQY AZM AXA AFT ADY	1990 1991 1993 1994 1995 1999 2000 2004	1588 1984	4		IN	078109601B 078109601E 078109601A 078109601A 037109601	3038	39.5	7	91.9	CV	45	K	
						EX	048109611B 037109611B	3039	32.9	7	91.2	PN	45	K	
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br
VOLKSWAGEN															
Golf / Jetta CLI / GTI Golf / Jetta GTI Scirocco GT / GTL / GTX Golf / Jetta CL/GL/GT/GTI Passat CL / GL / GT Golf GTI G60 Passat / Corrado GTI G60 Passat Synchro Golf GTI Vento GL / GT / CL Golf Cabrio Transporter / Multivan / Caravelle		1985 1988 1989 1990 1991 1993	895 1781 1984 1968 2459	4 5		IN	026109601C 026109601A	3042	40.0	8	91.0	PN	45	K	
						EX	034109611B 035109611K	3005	33.2	8	90.8	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
VOLKSWAGEN															
Golf / Vento / Passat Golf GTI Eng.PB Passat Variant Passat Synchro Transporter / Multivan / Caravelle Transporter Synchro T4 (62/74/81 KW)	PB	1990 1991 1994	1588 1968 1984 2459	4 5		IN	026109601C 026109601A	3042	40.0	8	91.0	PN	45	K	
						EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.		
VOLKSWAGEN																
Passat GL5 / CL / Variant Santana CL5 / GL5 Golf C / CL / GL / Cabriolet Jetta / Passat / C / CL / GL Santana CX / GX / LX Scirocco GT / GTL Golf Carat Passat CL Santana LX (55/66/85 KW)		1981 1984	1295 1781 1921	4 5		IN	035109603	3048	38.0	8	98.7	PN	45	K		
							035109601C									
							035109601F									
							EX	035109611H	3007	33.2	8	98.5	PN	45		K
							035109611F									
VOLKSWAGEN																
Polo 1.2 Tsi 16V Tiguan 1.4 Tsi 16V Eng.BWK-CAVA-CAVE-CAXA-CTHA-CTHD Golf VI 1.4 TSi Eos 1.4 TSi Scirocco 1.4 TSi Eng.CAVD	BWK CAVA CAVD CAVE CAXA CTHA CTHD	2012	1200 1400	4		IN	036109601AL	3052	29.5	6	100.5	PN	45	K		
							EX	036109611K	3103	26.0	6	100.6	PN	45		K
								036109611K								
	036109611AE															
VOLKSWAGEN																
Over Sized Head 1302 1300 - 1300 L 1303 - 1303 L 1500 A/N - 1600/1600 A Variant / Transporter 1500 S / Variant 1300 LS / S - 1302 S 1303 L / S 1600 A / I / TL / Variant (33/37/40 KW)		1963 1963 1965 1967 1970 1972 1975	1285 1493 1584	4		IN	041109601	3053	40.0	8	112.0	CV	45	K		
							IN	311109601	0734	35.5	8	112.0	CV	45		K
								40109601								
							EX	041109611	3054	35.8	8	112.0	CV	45		K
								113109612A								
							EX	113109612A	0735	31.9	8	112.0	CV	45		K
								311109612								
								311109612A								
IN	113 101 402	G50431	12.06	7.97	64.5				Br							
EX	113 101 416									G50435	12.06	7.97	65.5			
VOLKSWAGEN																
Golf / Jetta CL / GL Coupé GL Polo 1.0 Fox Oxford / Polo C Polo CL / GT / Coupé Golf 9 / Jetta 1.3 GL / CL Polo G 40 / Coupé Polo C / CL / GT Formel E Glof CL / GL (33/37/40/44/56/83 KW)		1985 1987 1990 1991	1043 1272 1391	4		IN	030109601	3061	34.0	8	99.0	PN	45	K		
							IN	030109601C	3008	36.0	8	98.8	PN	45		K
								030109601D								
								030109601F								
								073109601A								
								073109601D								
								030109601B								
							IN	030109601E	5066	32.0	8	99.3	PN	45		K
EX	030109611B	3009	28.8	8	99.0	PN	45	K								
	030109611A															
	030109611A															
IN	049 103 419	G51498	12.06	7.98	42.3				Br							
EX	049 103 419									G51498	12.06	7.98	42.3			
VOLKSWAGEN																
Sharan 2.0 i 16V Golf / Vento / Passat GTI 16V (105/110 KW) Eng.ABF	ABF	1992	1984	4		IN	051109601B	3062	32.0	7	95.5	PN	45	K		
							EX	051109611B	3063	27.0	7	98.0	PN	45		K
IN	051 103 419	G52472	12.06	6.98	35				Br							
EX	051 103 419									G52472	12.06	6.98	35			

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.								
VOLKSWAGEN																							
Sharan VR6 Golf GTI VR6 Vento GL / GT VR6 Passat GL / GLS / GT VR6 / Variant Corrado / Passat VR6 Golf GTI VR6 / Variant (128/140 KW) Holf 2.3 Bora 2.3 i VR5 Passat 2.3 Eng. AGZ-AAA	AGZ AAA	1991 1992 1994 1995	2792 2861	6		IN	021109601E	3064	39.0	7	106.0	PN	45	K									
							021109601H																
							021109601J																
							021109601K																
							021109601L																
							EX	021109611F	3065	34.2	7	107.0	PN	45	K								
							021109611G																
							021109611D																
							IN	027 103 419	G52304	12.06	7	38										Br	
							EX	027 103 419														G52304	12.06
VOLKSWAGEN																							
Gol Eng.AZP	AZP		1000	4		IN	036109601AE	3068	22.5	6	101.8	PN	45	K									
							036109601AA																
							EX	036109611R	3069	20.0	6	101.7	PN	45	K								
							036109611T																
IN																							
EX																							
VOLKSWAGEN																							
Golf 1.0 16V Eng.ATMI	ATMI	1996	999	4		IN	036109601R	3070	22.5	6	98.7	PN	45	K									
							EX	036109611J	3071	20.0	6	98.5	PN	45	K								
IN																							
EX																							
VOLKSWAGEN																							
POLO 1.0 ('00-'02) LUPO 1.0 ('99-'04) GOL 1.0 FOX 1.0 SAVEIRO 1.0 VOYAGE 1.0 Eng.ALD-AUC-ANV-AQZ-BNX-CCNA	ALD AUC ANV AQZ BNX CCNA	2003	999	4		IN	030109601AK	3080	31.0	6	99.0	PN	45	K									
							030109601AP																
							030109601AS																
							EX	030109611S	3081	26.0	6	99.0	PN	45	K								
							030109611AE																
							030109611AF																
							IN	032 103 419A	G52464	11.07	6.98	33											Br
							EX	032 103 419A															G52464
							VOLKSWAGEN																
Phaeton 4.2 V8 Touareg 4.2 V8 Eng.BGH-BHX	BGH BHX	2003	4172	V8		IN	077109601Q	3088	26.9	6	96.5	CV	45	K									
							EX	077109611S	3089	29.9	6	94.9	CV	45	K								
IN	058 103 415	G52488	11.06	6	35.9												Br						
EX	058 103 415																G52488	11.06	6	35.9	Br		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
VOLKSWAGEN															
New Beetle	AQN	2004	2300	v5		IN	022109601F	3090	30.9	6	136.1	CV	45	K	
Eng.AQN-AXJ	AXJ	2005													
Bora	AQN	2006				IN	022109601E	3092	27.0	6	102.5	PN	45	K	
Eng.AQN-BDE	BDE														
Golf V	AQN					EX	022109611C	3093	27.0	6	136.4	PN	45	K	
Eng.AQN-AQP-AVE	AQP					EX	022109611B	3091	31.0	6	102.2	CV	45	K	
Passat	AVE														
Eng.AZX	AZX														
Phaeton	BRN														
Eng.BRN-BTT-BAN	BTT														
Sharan	BAN														
Eng.AYL	AYL														
Touareg	BJN														
Eng.BJN	AMV														
Transporter															
Eng.AMV															
VOLKSWAGEN															
Polo 1.2	BMD	2004	1198	3		IN	032109601M	3097	34.5	6	99.2	PN	45	K	
Eng.BMD-AWY	AWY		1390				032109601L								
Fox 1.2	BKR														
Eng.BMD															
Fox 1.4						EX	032109611L	3099	28.0	6	99.1	PN	45	K	
Eng.BKR							030109611T								
							030109611T								
							IN	058 103 415	G52488	11.06	6	35.9			Br
							EX	058 103 415	G52488	11.06	6	35.9			Br
VOLKSWAGEN															
Caddy 1.4 B 44CV	AUD	2000	1400	4		IN	030109601AL	3098	33.5	6	99.2	PN	45	K	
Lupo 1.4 i	AEX														
Polo 1.4 i	AKK														
Eng. AUD-AEX-AKV-APQ	AKP														
	AKV														
	APQ														
							IN	030 103 419A	G52462	11.07	6.98	36.5			Br
							EX	030 103 419A	G52462	11.07	6.98	36.5			Br
VOLKSWAGEN															
Polo 1.4	AFH	1999	1390	4		IN	036109601P	3100	29.5	6	97.9	CV	45	K	
Eng. AFH															
							EX	036109611L	3101	26.1	6	97.2	PN	45	K
							IN	032 103 419A	G52464	11.07	6.98	33			Br
							EX	032 103 419A	G52464	11.07	6.98	33			Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
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VOLKSWAGEN

Polo 1.2 12V	BZG	1995	1198	3		IN	036109601AD	3102	29.5	6	100.9	CV	45	K	
Lupo 1.4 16V	AHW	1998	1390	4		EX	036109601AK								
Caddy 1.4 i 16V	AUA	2002	1600				036109601S								
Golf 1.4	AHW	2005					03C109601L								
Polo 1.4 16V	AJV	2006													
Polo 1.6	BAG	2010													
Lupo 1.6 GTI 16V 6m	BLF					EX	036109611K	3103	26.0	6	100.6	PN	45	K	
Touran 1.6 16V FSI	BLP						036109611AE								
Eos 1.6 FSI 16V	BTS						03C1096011Q								
Golf V 1.6 16V FSI	BBZ						03C109611G								
Bora 1.4 i 16V-1.6 i 16V FSI	BKY					03C109611R									
Jetta 1.6 i 16V FSI	BME														
Passat 1.6 16V FSI	BMY				IN	058 103 415	G52488	11.06	6	35.9				Br	
Touran 1.4 16V TSI	BLG				EX	058 103 415								G52488	11.06
New Sharan 1.4 TSI	BWK														
Polo 1.4 Ecofuel	CAVA														
Passat 1.4 Ecofuel	CAVC														
Touran 1.4 Ecofuel	CAVD														
	CAXA														
	CMAA														
	CDGA														

VOLKSWAGEN

Lupo 1.0	ARR	1998	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K	
Eng. AER	ALL						030109601AC								
Polo 1.0															
Eng. ALL															
Golf 1.0 8V						EX	030109611N	3105	26.0	7	94.4	PN	45	K	
						IN	032 103 419A	G52464	11.07	6.98	33				Br
					EX	032 103 419A	G52464								11.07

VOLKSWAGEN

New Beetle 1.6	AYD	2001	1598	4		IN	06B109601B	3114	39.4	6	93.8	CV	45	K	
Eng. AYD	ALZ	2004					06B109601D								
Golf IV 1.6	AVU	2010					06B109601H								
Golf V 1.6	BGU														
Eng. AVU	AVU														
Bora 1.6	BGU					EX	06B109611C	3115	32.9	6	93.8	PN	45	K	
Touran 1.6	BSE					06B109611B									
Caddy 1.6	BSF														
Eng. BGU	ALZ														
Passat 1.6 102 CV	CHGA														
Eng. AVU-BGU-ALZ															
Golf 1.6 BiFuel															
Polo 1.6 BiFuel															
Caddy 1.6 BiFuel															
Eng. CHGA															

VOLKSWAGEN

Golf V 2.0 16V FSI	BLR	2003	1984	4		IN	06D109601K	3126	33.8	6	104.0	CV	45	K	
Golf VI 1.8 16V TFSI	BLX	2009	1800				06D109601M								
Touran 2.0 16V FSI	BLY						06E109601E								
Jetta 2.0 FSI 16V	AXW						06L109601								
Passat 2.0 FSI 16V	CAWB														
Passat 1.8 TFSI 16V	CDAA														
Eng. BLR-BLX-BLY-AXW	CFPA					EX	06D109611K	3127	28.0	6	101.9	PN	45	K	
Tiguan 2.0 TSI	CDAA					06D109611L									
Eng. CAWB	CGYA					06D109611H									
CC 1.8 TFSI 16V						06D109611T									
Amarok 2.0						06J109611A									
Eng. CFPA-CDAA-CGYA						TAPERED									
						06J109611A									
						TAPERED									
						IN	058 103 415	G52488	11.06	6	35.9				Br
					EX	058 103 415	G52488								11.06










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
VOLKSWAGEN															
Phaeton 3.2 V6	AYT	2003	3189	V6		IN	022109601H	3128	33.2	6	136.3	CV	45	K	
Eng. AYT-AVT	AVT	2005	3597												
Touareg 3.2 V6-3.6 V6	BKT	2007					IN	022109601G	3094	33.2	6	102.4	CV	45	K
Eng. BKT	BWS														
Multivan 3.2 V6	AXZ					EX	022109611M	3129	30.2	6	136.1	CV	45	K	
Passat 3.2 V6-3.6 V6	AZZ							022109611P							
Golf 3.2 i V6	BKJ						EX	022109611N	3095	30.2	6	102.2	CV	45	K
Eos 3.2 i V6	BMV														
Eng. BKT-BWS-AXZ-AZZ-BKJ-BMV-	BRJ														
BRJ-AYT-BKL-BRK-BDL-BKK-BFH-	AYT														
BML-BUD-CBR	BKL														
	BRK														
	BDL														
	BKK														
	BFH														
	BML														
	BUD														
	CBR														





VOLKSWAGEN														
Polo 1.2 TSI	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K
Golf V 1.2 TSI														
Golf VI 1.2 TSI														
Beetle 1.2 TSI														
Jetta 1.2 TSI						EX	03F109611B	3131	30.0	6	98.3	PN	45	K
Touran 1.2 TSI							03F109611C							
Caddy 1.2 TSI														
Eng. CBZA-CBZB														
						IN	058 103 415	G52488	11.06	6	35.9			Br
						EX	058 103 415	G52488	11.06	6	35.9			Br

VOLKSWAGEN														
Golf 1.6 Tsi 16V	CWWA	2014	1595	4		IN	04E109601	3147	29.6	5	110.2	PN	45	K
UP 1.6 Tsi 16V														
Polo 1.6 Tsi 16V														
Eng. CWWA														
						EX	04E109611L	3148	27.0	5	110.1	PN	30	K

VOLKSWAGEN														
Golf / Vento / Passat	1F AAM ADZ	1994	1781	4		IN	048109601E	5016	37.9	7	91.7	CV	45	K
Goi Cobrio et / Voriont (55/66 KW)														
Eng. 1F-AAM-ADZ														
						EX	048109611B	3039	32.9	7	91.2	PN	45	K
							037109611B							
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	037 103 419B	G52470	12.06	6.98	36.5			Br

VOLKSWAGEN														
Golf 1.4	ABD	1998	1390	4		IN	030109601J	5240	35.9	7	99.2	PN	45	K
Eng. ABD														
						EX	030109611D	5245	29.0	7	99.0	PN	45	K
						EX	030109611A	3009	28.8	8	99.0	PN	45	K
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.				
VOLKSWAGEN																			
Polo 1.2 Polo 1.4 Golf 1.4 Polo CL 75 Golf CL / Variant TCL Golf / Variant Synchro Vento GL (55 KW)		1994	1390 1598	4		IN	032109601F 032109601G	5242	34.6	7	94.8	PN	45	K					
						EX	032109611G	5243	29.0	7	95.0	PN	45	K					
VOLKSWAGEN																			
Polo 1.0		1992	1050	4		IN	030109601N 030109601M	5244	32.0	7	99.2	PN	45	K					
						EX	030109611D	5245	29.0	7	99.0	PN	45	K					
VOLKSWAGEN																			
Golf / Variant 1.14 i Eng. A.E.A. Polo / Vento Caddy 1.4 Caddy 1.6 Eng. A.E.X. / AEE / AHS / ANX / APQ / AHV / AEA / AHS	AEX AEE AHS ANX APQ AHV AEA AHS	1995	1300 1600	4		IN	030109601AD 032109601E 030109601AH	5246	35.5	7	94.7	PN	45	K					
						EX	032109611G	5243	29.0	7	95.0	PN	45	K					
						IN	032 103 419A	G52464	11.07	6.98	33				Br				
					EX	032 103 419A	G52464	11.07	6.98	33					Br				
VOLKSWAGEN																			
Polo 45 Golf Ecomatic Golf Variant CL Vento Eng. AEV / ABD	AEV ABD	1994	1043 1391	4		IN	030109601G	5248	34.0	7	99.0	PN	45	K					
						EX	030109611D	5245	29.0	7	99.0	PN	45	K					
VOLKSWAGEN																			
Polo 55 1.3 Eng. ADX (40 KW)	ADX	1994	1297	4		IN	030109601AB 030109601AA	5250	32.1	7	94.5	PN	45	K					
						EX	032109611G	5243	29.0	7	95.0	PN	45	K					
						IN	032 103 419A	G52464	11.07	6.98	33				Br				
					EX	032 103 419A	G52464	11.07	6.98	33					Br				
VOLKSWAGEN DIESEL																			
Transporter LT (28-55) D. Turbo Diesel Caravelle D Transporter D (42/55/75 KW)		1981 1982 1986 1987	1715 2383	4 6		IN	069109601D 072109601 069109601C	1130	36.0	8	104.9	CV	45	K					
						EX	068109611D 068109611C 072109611	1131	31.2	8	104.5	CV	45	K					
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br				
					EX	056 103 419A	G51227	12.06	7.98	36.5					Br				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.						
VOLKSWAGEN DIESEL																				
Eng. Man D 0224 M 6.90 / 8.90 / F- FK Eng. Man D 0226M 8.136 F / 9.136 F (66/100 KW)	MAN	1980	3791 5687	4 6		IN	51041010417	1632	47.0	10	136.6	PN	45	A						
						EX	51041010410	1631	42.0	10	136.3	PN	45	A						
						IN	51032011052	G52162	16.03	10	65			Gh						
						EX	51032011053	G52163	16.03	10	55			Gh						
VOLKSWAGEN DIESEL																				
Taro 2.4 D	2L	1989	2446	4		IN	J1371154020	1790	42.5	8	103.5	PN	45	A						
						EX	J1371517010	1791	36.0	8	103.3	PN	45	A						
						IN		G51770	14.04	8.51	61			Gh						
						EX		G51770	14.04	8.51	61			Gh						
VOLKSWAGEN DIESEL																				
Golf / Variant 1.9 TDi / GT Vento 1.9 TDi Passat 1.9 TDi Sharan 1.9 TDi Golf - Cabrio 1.9 TDi (66 KW) Transporter 2.5 TD Eng. AJT / AVF / AXG LT 35 2.5 Tdi 95CV LT 35 2.5 Tdi 109CV LT 46 2.5 Tdi 109CV Eng. AGX-APA-ANY-BBF-AVR Transporter 2.5	AJT AVF AXG AGX APA ANY BBF AVR ACU AJT AHY BJJ BJK BJL BJM	1993 1995 1999 2000 2002	1896 2461 2500	4 5		IN	046109601J 028109601H	1948	36.0	8	96.9	PN	45	K						
						EX	046109611F	1949	31.5	8	96.9	PN	45	K						
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br						
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br						
						VOLKSWAGEN DIESEL														
						Golf SDi 1.9 Eng. AEY / AHF / AFN Polo Variant Eng. AHU Golf Eng. AGR / AHF Bora 1.9 TDi Eng. AHF Passat Eng. AFN New Beetle Eng. ALH Sharan Eng. 1Z from 1Z.770.001 Sharan Eng. AFN (66/81 KW) Vento 1.9 Tdi Caddy1.9 TDi Eng. AHU-ALE-AFN	AEY AHF AFN AHU AGR AHF ALH AFN AHU ALE AFN	1998 1999	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K
EX	028109611G	2971	31.5	7	96.9							PN	45	K						
IN	037 103 419B	G52470	12.06	6.98	36.5									Br						
EX	037 103 419B	G52470	12.06	6.98	36.5									Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
VOLKSWAGEN DIESEL														
Golf / Jetta / Passat	JP	1985	1588	4		IN	068109601C	3015	34.0	8	104.8	CV	45 K	
Santana GTD Turbo	ME	1986	1715											
Golf C / GL / CL	1V	1989												
Passat	JR	1991												
Jetta C / GL / CL	MF					EX	068109611C	1131	31.2	8	104.5	CV	45 K	
Transporter 1.6 / Turbo	RA						068109611D							
Santana C / GL / CL	SB						072109611							
Caravelle D														
Transporter D														
(37/40/42/51/52 KW)						IN	056 103 419A	G51227	12.06	7.98	36.5		Br	
						EX	056 103 419A	G51227	12.06	7.98	36.5		Br	
VOLKSWAGEN DIESEL														
Golf / Vento / Polo	1Y	1989	1895	4		IN	069109601F	3043	36.0	8	95.6	PN	45 K	
Passat CL / GL / GTD	AAZ	1990	1896	5				069109601G						
Eng. 1Y - AAZ TD	AEF	1991	2370	6				069109601H						
Golf Ecomatic / Variant	AAB	1992	2383			IN	028109601C	2972	36.0	7	95.5	PN	45 K	
Polo Eng. AEF	DV	1993	2459											
Transporter / Multivan / Caravelle	1S	1994				EX	028109611E	2973	31.1	7	95.6	PN	45 K	
/ Transporter Synchro T4		1995				EX	068109611L	3045	31.2	8	95.6	PN	45 K	
Eng. 1X.AAB		1996					068109611M							
LT 28 / 31 / 35 / 45 / 50 / 55							069109611							
LT 40 4x4 / LT 45 4x4 Turbo Diesel														
Eng. DV / 1S						IN	056 103 419A	G51227	12.06	7.98	36.5		Br	
Kombi 1.4						EX	056 103 419A	G51227	12.06	7.98	36.5		Br	
Multivan T4														
Caddy 1.9 SDI														
VOLKSWAGEN DIESEL														
Golf / Jetta / Passat / Santan	JP	1985	1588	4		IN	068109601L	3044	34.0	8	95.6	PN	45 K	
GTD - Turbo	ME	1986						068109601M						
Golf / Jetta / Passat C / CL / GL	1V	1989						068109601N						
Passat C / CL / GL / GTD	JR	1991												
Eng. JP / ME / 1V / JR / MF / RA	MF													
/ SB	RA					EX	068109611L	3045	31.2	8	95.6	PN	45 K	
(40/44/51/59 KW)	SB							068109611M						
							069109611							
						IN	056 103 419A	G51227	12.06	7.98	36.5		Br	
						EX	049 103 419	G51498	12.06	7.98	42.3		Br	
VOLKSWAGEN DIESEL														
Polo 1.0 Fox / Oxford		1986	1043	4		IN	030109601	3061	34.0	8	99.0	PN	45 K	
CL movie / Bestselle / Coupé		1990	1272											
Polo D / GT / Coupé / CL			1398											
Fox / Oxford / C														
CL Movie / Bestseller														
Golf / Jetta 1.3 GL														
Polo CL / GT / Fox / Coupé														
(33/35 KW)														
						EX	030109611C	3009	28.8	8	99.0	PN	45 K	
							030109611A							
							030109611B							
						IN	049 103 419	G51498	12.06	7.98	42.3		Br	
						EX	056 103 419A	G51227	12.06	7.98	36.5		Br	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.	
VOLKSWAGEN DIESEL															
Lupo 1.7	AKU	1996	1716	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K	
Eng. AKU	AGD	1999	1896												
Polo 1.9 SDi	ASY	2001													
Eng. AGD-ASY	AHB														
Caddy 1.7 Sdi	AQM					EX	028109611K	3107	31.5	7	96.4	PN	45	K	
Eng. AHB	AGP														
Bora 1.9 Sdi	AEY														
Eng.AQM-AGP						IN	037 103 419B	G52470	12.06	6.98	36.5			Br	
Vento 1.9 Sdi						EX	037 103 419B	G52470	12.06	6.98	36.5			Br	
Eng.AEY (42/47 KW)															

VOLKSWAGEN DIESEL															
Passat 2.5	AFB AKN		2496	V6		IN	059109601B	3108	27.2	6	100.6	PN	45	K	
						EX	059109611B	3109	24.1	6	100.6	PN	45	K	
						IN		G52632	10.06	5.98	42			Br	
						EX		G52632	10.06	5.98	42			Br	






VOLKSWAGEN DIESEL															
Bora-Passat-Golf 85 Kw 1.9 Tdi	AJM	1999	1191	3		IN	038109601B	3110	36.0	7	89.9	PN	45	K	
Eng. AJM-ATD	ATD	2000	1422	4											
Lupo 1.4 TDi	AMF	2001	1896	5											
Eng. AMF(BEFORE2003)	ASZ	2003	2460	W10											
Golf 1.9 TDi 130CV	ARL	2004				EX	038109611F	3111	31.5	7	89.9	PN	45	K	
Eng. ASZ	APL	2005					038109611F								
Golf 1.9 TDi 150CV	ATD	2006					038109611B								
Eng. ARL / APL	AVB														
New Beetle 1.9 TDi	AWX														
Eng. ATD	AVF														
Passat 1.9 TDi	BLK														
Eng. AVB-AWX-AVF	AYH														
Phaeton 5.0 W10 Tdi	AJS														
Touareg 5.0 W10 Tdi	AXC														
Lupo 1.4 Tdi (Before 2003)	AXB														
Multivan Transporter 1.9	AXD														
Multivan Transporter 2.5	AXE														
Polo 1.9 TDi	ATD														
	BLT														
	BAY														

VOLKSWAGEN DIESEL															
LT 35-LT 46 2.8 Tdi 12V	AUH	2002	2800	4		IN	062109601	3116	33.0	7	105.1	PN	30	K	
Eng.AUH-BCQ-AGK-ATA	BCQ														
	AGK														
	ATA					EX	062109611A	3117	39.7	7	105.1	PN	45	K	






VOLKSWAGEN DIESEL															
Touran 2.0 Tdi	BKD	2003	1968	4		IN	03G109601A	3118	29.4	6	88.5	PN	45	K	
ENG.BKD															
Golf 2.0 Tdi PD 16V															
Up To Chassis nr.1K-4B005000						EX	03G109611B	3119	25.5	6	88.2	PN	45	K	











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
VOLKSWAGEN DIESEL																
Golf V 2.0 Tdi 16V Touran 2.0 16V 140CV Jetta 2.0 Tdi-PD 16V Passat 2.0 Tdi-PD 16V ENG.BKD-AZV From Chassis nr.1K-4B005001	BKD	2004	1968	4	T	IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
	AZV	2005				EX	03G109611D	3121	25.4	6	87.5	PN	45	K		
						P	IN	058 103 415	G52488	11.06	6	35.9				Br
							EX	058 103 415	G52488	11.06	6	35.9				Br
VOLKSWAGEN DIESEL																
Passat 2.5 V6 Tdi Eng. BDG-BAU	BDG	2003	2496	v6	T	IN	059109601F	3122	27.2	6	100.6	PN	45	K		
	BAU	2005				EX	059109611G	3123	24.1	6	100.7	PN	45	K		
						P										
VOLKSWAGEN DIESEL																
Lupo 1.4 Tdi Eng.AMF(AFTER 2003) Touran 1.9 Tdi Eng.BKC-BRU-AXR Golf V 1.9 Tdi (90-105CV) Eng.BKC-BRU Passat 2.0 Tdi Eng.BGW-BMP Fox 1.4 Tdi Polo 1.4 Tdi Eng.BNM-BNV Jetta 1.9 Tdi Eng.BKC-BLS Touareg 2.5 R Tdi EngAWB	AMF	2004	1422	3	T	IN	038109601E	3132	36.0	7	89.5	PN	45	K		
	BKC		1896	4		EX	038109611E	3133	31.5	7	89.1	PN	45	K		
	BRU					P										
	AXR						IN	037 103 419B	G52470	12.06	6.98	36.5				Br
BKC						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
BMP																
BRU																
BGW																
BNM																
BNV																
BKC																
BLS																
AWB																
VOLKSWAGEN DIESEL																
Lupo 1.2 Tdi	AYZ	1999	1191	3	T	IN	045109601	3134	35.9	7	89.7	PN	45	K		
	ANY					EX	045109611	3135	31.5	7	89.7	PN	45	K		
						P										
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
VOLKSWAGEN DIESEL																
Phaeton 3.0 Tdi 24V Tuareg 3.0 Tdi 24V	CARA	2007	2967	v6	T	IN	059109601G	3138	28.6	6	99.3	PN	45	K		
	CASA					EX	059109611K	3139	26.8	6	99.2	PN	45	K		
	CASB					P										
	CASC															
CExA																
VOLKSWAGEN DIESEL																
New Beetle 2.0 Tdi	BEW	2005	1996	4	T	IN	038109601F	3140	35.5	7	88.8	PN	45	K		
						EX	038109611G	3141	31.4	7	88.4	PN	45	K		
						P										
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.
VOLKSWAGEN DIESEL														
Golf VI 2.0 Tdi Eng. CBAB - CBBB	CBAA CBAB	2007 2010	1968	4		IN	03L109601 04L109601B	3142	28.1	6	99.3	PN	45	K
Touran 2.0 Tdi Eng. CFHC - CFJA	CBBB CFHC	2014												
Sharan 2.0 Tdi Eng. CFGB	CFJA CFGB					EX	03L109611 04L109611B	3143	26.0	6	99.1	PN	45	K
Tiguan 2.0 Tdi 140-170Cv	CDBA													
Passat 2.0 TDI 16V	CDCA					IN		G52632	10.06	5.98	42			Br
Passat CC 2.0 Tdi 16V	CUUA					EX		G52632	10.06	5.98	42			Br
Golf 2.0 TDI 16V	CUUB													
Scirocco 2.0 TDI 16V	CKUB													
Eng. CBAA-CBAB	CKTB													
Amarok 2.0 Tdi	CKTC													
Eng. CDBA-CDCA														
Maggiolino														
Eng. CUUA														
VOLKSWAGEN DIESEL														
Polo 1.2 Tdi	CAYA	2010	1199	3		IN	03L109601A 04L109601A	3144	26.5	6	99.3	PN	45	K
Polo 1.6 Tdi	CAYB	2014	1598	4										
Golf VI 1.6 Tdi	CAYC					EX	03L109611A 04L109611A	3145	24.4	6	99.1	PN	45	K
Touran 1.6 Tdi	CAYD													
Jetta III - Jetta IV 1.6 Tdi	CAYE													
Eng. CAYC-CFWA-CAYD-CAYE-CAYB-	CFWA													
CAYA-CUSA-CUSB-CUTA	CLHA													
Touran 1.6 Tdi	CUSA													
Eng. CAYB	CUSB													
	CUTA													
VOLVO														
66 DL / L	B10E	1975	1108	4		IN	3267437 31044019	0405	33.5	7	89.6	CV	45	A
Eng. B 10E	B13E	1976	1289											
66 GL / DL / Sedan / Kombi	B14E	1981	1397			EX	31005192 3267436	0649	30.3	7	89.0	CV	45	H
Eng. B 13E														
345 / 343 DL / GL / L														
Eng. B 140E						IN	3102891-3	G50394	11.15	7	41.5			Gh
(33/42/52 KW)						EX	3102891-3	G50394	11.15	7	41.5			Gh
VOLVO														
343 / 345 / 360 DL / L	B14	1982	1397	4		IN	32776932	0406	34.0	7	91.2	CV	30	A
Eng. B 14		1985												
340						EX	32674376 32776957	0407	29.0	7	89.0	CV	45	H
(47 KW)														
						IN	3102891-3	G50394	11.15	7	41.5			Gh
						EX	3102891-3	G50394	11.15	7	41.5			Gh
VOLVO														
343 / 345 DL / L	B14	1985	1397	4		IN	32874190	0412	34.0	7	90.5	CV	45	H
Eng. B 14														
(52 KW)						EX	32778136	0407	29.0	7	89.0	CV	45	H
						IN	3102891-3	G50394	11.15	7	41.5			Gh
						EX	3102891-3	G50394	11.15	7	41.5			Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
VOLVO															
740 GLT 16V 940 GLE 16V Eng. B 234F (114/117 KW)		1988	2316	4		IN	13177936	0535	34.5	7	122.5	PN	45	K	
						EX	13177928	0536	31.5	7	122.3	PN	45	K	
						IN	1378960	G52496	12	7	55				Gh
						EX	1378960	G52496	12	7	55				Gh
VOLVO															
240 Eng. B 200 E / B 230 E 242 / 244 / 245 Eng. B 19 A 340 / 360 GLE Eng. B 200 E 343 / 345 Eng. B 19 A 740 Eng. B 200 E 740 / 780 - Turbo Eng. B 200 ET 940 GL Eng. B 200 F 242 / 244 / 245 Eng. B 21 A / E 242 / 244 / 245 USA Eng. B 21 E USA 244/245 Turbo 240 GL 740 GL 940 GL 740 T 760 T 780 T 940 T	B19A B21 B21A B21E B23A	1974 1976 1979 1980 1981 1982 1983 1985 1985 1985 1988 1991	1986 1991 2127 2316	4		IN	4633954	0537	44.0	8	110.5	PN	45	K	
						EX	12766879 35472471 4635264	0538	35.0	8	111.0	PN	45	K	
						IN	463771	G51563	13.5	8	52				Gh
						EX	463771	G51563	13.5	8	52				Gh
VOLVO															
740 GLT 16V Eng. B 204 E 760 GLE / 780 GLE Turbo 16V 940 GLE - Turbo 16V 960 GLE -à Turbo Eng. B 204 FT / GT DOHC (100/140/147 KW)		1988 1989 1991	1986 1991	4		IN	13784731	0539	32.5	7	122.5	PN	45	K	
						EX	13784749 35144914	0540	29.5	7	122.3	PN	45	K	
						IN	1378960	G52496	12	7	55				Gh
						EX	1378960	G52496	12	7	55				Gh
VOLVO															
850 2.0 GLE 10V S70 10V V70 10V S80 10V Eng. B5202S			1994	5		IN	6842421 1397190	0544	40.0	7	97.9	CV	45	K	
						EX	6842422 1397191	0545	35.0	7	96.9	CV	45	K	
						IN	1270397	G52573	11.99	7	39.5				Gh
						EX	1270397	G52573	11.99	7	39.5				Gh
VOLVO															
264 / 265 DL / GL / GLE / TE / GI Eng. B 27 A / E 262 / 265 / 264 760 / 780 GLE Eng. B 28 A / E / F (92/95/103/106/108/114 KW)	B27A B28A	1975 1980 1985	2664 2849	6		IN	2453900	0635	43.9	8	112.0	PN	30	A	
						EX	2458024	0637	37.0	8	111.3	PN	45	A	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
VOLVO																			
360 GL - 340 Eng. B 172 480 ES 440 GL / GLE / GLT Eng. B 18 E / F 440 / 480 Turbo 440 GL / 460 GLE 460 1.8 (60/70/75 KW)	B17 B18	1985 1986 1988 1990	1720	4		IN	33422783	0652	38.2	8	111.5	PN	30	A					
							EX	33243997 33437385	0653	32.5	8	111.3	PN	45	A				
							IN EX	415266 415266	G51016 G51016	15 15	8.74 8.74	63.5 63.5						Gh Gh	
VOLVO																			
440 / 460 Eng. B 18U 480 Eng. B 20F (80/81 KW)	B18U B20F	1993 1994	1994 1998	4		IN	33448416	0712	40.1	8	107.1	PN	45	A					
							EX	33448424	0713	32.7	8	106.9	PN	45	A				
							IN EX	3343624 3343624	G52582 G52582	13.07 13.07	8 8	37.7 37.7						Br Br	
VOLVO																			
S60 2.0 T S60 2.4 T S60 2.3 T5 V70 2.4 T AWD S80 2.8 T6 XC90 2.5 T XC90 2.9 T S40 2.4 V50 2.4 XC70 2.5T Eng. B5254T2-B62947-B5244T (200 KW) C70 2.5 i T	B5254T2 B62947 B5244T	2001 2004	1984 2435 2319 2783	5 6		IN	9454608	1177	32.0	6	104.3	CV	45	K					
							IN	9454607	1175	31.0	6	104.3	CV	45	K				
							EX	9454610	1176	27.0	6	103.3	CV	45	K				
							IN EX	1270391 1270391	G52497 G52497	11.99 11.99	7 7	45 45						Gh Gh	
VOLVO																			
C30 1.6 S40 1.6 V50 1.6 Eng. B4164S3 Ford	B1464S3 B4164S3S	2004 2006	1596	4		IN	30711639	1262	30.0	6	99.0	CV	45	K					
							EX	30711638	1263	24.1	6	101.5	CV	45	K				
							IN EX	1270391 1270391	G52497 G52497	11.99 11.99	7 7	45 45						Gh Gh	
VOLVO																			
C30 2.0 S40 2.0 V50 2.0 Eng. B4204S3	B4204S3	2006	1999	4		IN	30777329	1315	35.0	5.5	103.4	CV	45	A					
							EX	30777328	1316	30.0	5.5	104.6	PN	45	A				
							IN EX	1270391 1270391	G52497 G52497	11.99 11.99	7 7	45 45						Gh Gh	
VOLVO																			
C30 1.8 S40 1.8 V50 1.8 Eng. B4184S11 Ford	B1464S3	2004 2006	1798	4		IN	8694781	1317	32.5	5.5	103.4	CV	45	A					
							EX	8694780	1318	28.0	5.5	104.6	CV	45	A				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.					
VOLVO																				
S60 1.6 T4 16V S80 1.6 T4 16V V40 1.6 T4 16V V60 1.6 T4 16V V70 1.6 T4 16V ENG.B4164T-T1-T2-T3-T4	B4164T	2010 2011 2012	1595	4		IN	31370617	1856	30.0	5	98.8	CV	45	K						
						EX	31330401 31375559	1857	24.9	5	99.7	PN	30	K						
						IN	1270391	G52497	11.99	7	45				Gh					
						EX	1270391	G52497	11.99	7	45				Gh					
VOLVO																				
S60 2.0 T 16V S80 2.0 T 16V V60 2.0 T 16V V70 2.0 T 16V XC60 2.0 T 16V Eng.B4204T6-T7	B4504T6 B4204T7	2011 2012	1948	4		IN	31316318	2266	32.5	5.5	103.4	CV	45	A						
						EX	31316317 9487443	2379	28.0	5.5	104.7	PN	45	A						
						EX	31316317 9487443	2267	28.0	5.5	104.7	PN	45	A						
						IN	1270391	G52497	11.99	7	45				Gh					
						EX	1270391	G52497	11.99	7	45				Gh					
VOLVO																				
850 GLT 20V 850 2.0 T5 850 T5 / Break 20V Eng. B 5234 FT Turbo Eng. B 5254 F 960 Berlina / Break 24V Eng. B 6304 F (125/150/166/177 KW) S 40 / V 40 1.6 16V S 40 / V 40 1.8 16V S 40 / V 40 1.8i 16V S 40 / V40 1.9 16V T4 S40 / V 40 2.0 16V S40 / V 40 2.0 16V T V70 T5 S80 T5 C70 T5 V70 2.5 BiFuel V70 2.4 R XC 70 V90 3.0i V6 S60 2.4	B5204 B5234 B5254 B6254 B6304 B4164	1990 1992 1994 2001	1588 1731 1834 1855 1984 2319 2435 2473 2922	5 6		IN	1270455	2378	32.0	7	104.3	CV	45	K						
						IN	9207874 13976410	0530	31.0	7	104.1	CV	45	K						
						EX	9207977 1366490 9207880 9471466 9471463 13668827	0531	27.0	7	103.5	CV	45	K						
						IN	1270391	G52497	11.99	7	45				Gh					
						EX	1270391	G52497	11.99	7	45				Gh					
						VOLVO DIESEL														
360 D Eng. D16 (40 KW)	D16	1984	1596	4		IN	32879660	0650	36.2	8	111.7	PN	30	A						
						EX	32879678	0651	31.6	8	111.3	PN	45	A						
						IN		G52105	13.07	8	39				Br					
						EX		G52105	13.07	8	39				Br					
VOLVO DIESEL																				
460 1.9 TD S40 / V40 1.9 D S70 / V70 / S80 2.5 D			1870 2460	4 5		IN	3345515 30852144	0714	35.0	8	110.3	PN	45	A						
						EX	30852146 3345516	0715	31.5	8	110.5	PN	45	A						
						IN		G52585	12.06	7	38.3				Br					
						EX		G52585	12.06	7	38.3				Br					



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	M.		
VOLVO DIESEL																
C30 2.0 D S40 2.0 D V50 2.0 D C70 2.0 D V70 2.0 D Eng.D4204T	D4204T	2004 2006	1997	4		IN	8653745	0879	29.8	6	105.0	PN	45	K		
							EX	8653744	0880	24.9	6	105.0	PN	45	K	
																
VOLVO DIESEL																
C30 1.6 D S40 1.6 D V50 1.6 Di 16V Eng.D4164T	D4164T	2004 2006	1560	4		IN	30711498	0898	25.6	5.5	96.4	CV	45	K		
							EX	30711497	0899	23.4	5.5	96.6	PN	45	K	
																
VOLVO DIESEL																
740 /760 GLE TD 940 / 960 GLE TD Eng. D24 T - Turbo 240/244/245/740 940 GLD/760 GLED Eng. D 24 740 / 760 / 940 / 960 GLE TD Intercooler 780 TD Intercooler Eng. D24 TIC - Turbo (61/81/85/90 KW)	D24T	1981 1982 1985 1990	2303 2383	6		IN	13281472	1130	36.0	8	104.9	CV	45	K		
							EX	13280896	1131	31.2	8	104.5	CV	45	K	
								13281480								
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br		
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br		
VOLVO DIESEL																
850 TDI Eng. AAT D252T (103 KW)	AAT D252T	1996	2461	5		IN	046109601J	1948	36.0	8	96.9	PN	45	K		
							EX	046109611F	1949	31.5	8	96.9	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br		
						EX	056 103 419A	G51227	12.06	7.98	36.5			Br		
VOLVO DIESEL																
C30 D2 S40 D2 S60 D2 V50 D2 V40 D2 V70 D2 S80 D2 Eng.D4162T	D4162T	2010	1560	4		IN	31330181	2274	30.2	5.5	95.5	PN	45	K		
							EX	31330182	2275	27.5	5.5	95.5	PN	45	K	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
VOLVO DIESEL															
C30 2.4 D5	D5244T	2003	2401	5		IN	8631650	2380	28.8	6	98.1	PN	45	K	
C70 2.4 D5	D5204T	2004													
XC90 2.4 D5		2006													
S40 2.4 D5		2010													
S60 2.4 D5						EX	8631651	2381	26.2	6	97.8	PN	45	K	
S80 2.4 D-D5															
V50 2.4 D5															
V70 2.4 D5															
XC70 2.4 D5															
ENG.D5244T															
C30 D3															
C30 D4															
S40 D3															
S40 D4															
V50 D3															
V50 D4															
S80 D5															
VOLVO INDUSTRIAL															
Eng. THD 100 D - Turbo (185/203 KW)		1984	9599	6		IN	4692406	2116	49.0	11	167.3	PN	30	A	
							EX	467503 467857 467682 4678553	2126	46.0	11	167.0	PN	45	A
VOLVO INDUSTRIAL															
Eng. D 100 B (122/147 KW)	D100	1974	9599	6		IN	4692406	2116	49.0	11	167.3	PN	30	A	
							EX	4220174	2118	46.0	11	167.2	PN	45	I
VOLVO INDUSTRIAL															
Eng. TD 100 A Turbo Eng. D 100 A (122/169/192 KW)		1965	9599	6		IN	4220166	2117	50.0	11	167.2	PN	30	H	
							EX	4220174 422285	2118	46.0	11	167.2	PN	45	I
VOLVO INDUSTRIAL															
Eng. D 120 Eng. TD 120A Turbo (117/243 KW)		1970/78	12000	6		IN	4230165	2119	54.0	11	167.2	PN	30	I	
							EX	4230173	2120	50.0	11	167.2	PN	45	I
						IN	422320	G51316	17.99	11.04	82				Gh
							EX	421297	G51260	17.99	11.04	66			



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
VOLVO INDUSTRIAL																
Eng. TDA / C / E / F / G - Turbo Eng. TD 121 F / G / GD - Turbo Eng. TD 122 F / FS - Turbo Eng. TD 123 E / ES - Turbo (227/243/262/283/291/298 KW)		1977 1980 1988 1991	12000	6		IN	4683025	2121	54.0	11	167.2	PN	30	A		
							EX	4683033	2122	50.0	11	167.2	PN	45	A	
								IN		G50278	18.02	11.02	86			Gh
								EX	421790	G51260	17.99	11.04	66			Gh
VOLVO INDUSTRIAL																
Eng. D7A / D7B Turbo Eng. TD 70 E / F / G / H - Turbo Eng. TD 70 FS - Turbo Eng. TD 71 F / FD / FQ / FS - Turbo (155/165/169/175/180/191/210 KW)	D7A D7B	1976 1979 1985 1993	6700 6730	6		IN	4663795	2123	43.0	11	148.5	PN	30	A		
							EX	421680 4653811 4711958	2124	37.0	11	148.6	PN	45	A	
								IN	477877	G52574	15.99	8	64.5			Gh
								EX	477877	G52574	15.99	8	64.5			Gh
VOLVO INDUSTRIAL																
Eng. TD 100 A / B - Turbo Eng. TD 100 F / G - Turbo Eng. THD 100 E - Turbo Eng. TD 101 F / G / GA - Turbo Eng. TD 101 FA / FC / FD Turbo Eng. THD 101 K - Turbo Eng. THD 102 KF - Turbo (160/169/180/200/203-210/220/228/235/262 KW) FL 10-360 FM 10-3	FM10 FL10	1965 1981 1983 1984 1991 1991 1993 2000	9599 9600 12000	6		IN	4675021	2125	50.0	11	167.2	PN	30	A		
								1545290								
								479204								
								8194223								
							EX	467857 8194224 467503 467682 4678553	2126	46.0	11	167.0	PN	45	A	
							EX	21016539	2411	40.0	8	191.7	PN	40	K	
EX	21428679	5189	40	8	191.6	PN	40	K								
EX	21428675															
	IN	422320	G51316	17.99	11.04	82			Gh							
	EX	421790	G51260	17.99	11.04	66			Gh							
VOLVO INDUSTRIAL																
Eng. D 60 Eng. TD 60 Turbo Eng. TD 61 Turbo Eng. TD 61 F / G Turbo Eng. TD 63 E / ES Turbo (85/88/106/111/112/125/132/148/152 KW) FL 180 - 12 FL 220 - 12 FL 250 - 12 FL 250 - 15 Eng. D6A	D6A	1975 1978 1985 1991	5480 6730	6		IN	4655486	2127	41.0	8	145.3	PN	30	XB		
								4205530								
								3825723								
							IN									
EX	4655494	2128	37.0	8	145.3	PN	45	XB								
EX	8192143															
VOLVO INDUSTRIAL																
Eng. D 16A 4V Turbo Eng. TD 162 F - Turbo Eng. TD 163 ES - Turbo (342/346/370/382 KW)		1987 1991 1994	16100 16120 16121	6		IN	1556472	2130	47.0	9.5	176.6	PN	30	A		
								1543026								
							EX	1543027 1556896 863702 1556473	2131	45.0	9.5	176.6	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.
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VOLVO INDUSTRIAL

FH 12 - 340 FH 12 - 380 FH 12 - 420 FH 12 - 460 Eng.D12A24V	FH12 D12A	1998 2000	16100	6		IN	1547492 3169490	2141	39.9	8	192.0	PN	30	A		
						EX	20441486 3165234 8148574 20441945	2142	40.0	8	191.7	PN	45	A		
						IN	1546437	G52695	14.99	8.01	83.4				Gh	
						EX	1546437	G52695	14.99	8.01	83.4				Gh	



VOLVO INDUSTRIAL

Eng. TD 73 E / ES Turbo		1995	6700	6		IN	3978768	2143	43.0	8	149.6	PN	30	A		
						EX	3978766	2384	39.0	8	149.5	PN	45	A		
						IN	477877	G52574	15.99	8	64.5				Gh	
						EX	477877	G52574	15.99	8	64.5				Gh	



VOLVO INDUSTRIAL








Eng. TD 73 E / ES - Turbo (169/191 KW)		1991	6700	6		IN	477447	2376	43.0	8	149.7	PN	30	H		
						EX	477443	2144	39.0	8	149.7	PN	45	H		
																







VOLVO INDUSTRIAL






FH 16-550 FH 16-610 Eng.D16C	D16C	2002	16123	6		IN	24426433 20739057 20739058	2402	49	10	192.7	PN	25	AP	
						IN	20735572	2404	49.0	10	192.7	PN	20	AP	
						EX	20513284 20513285	2403	46.0	10	191.2	PN	45	A	
															

VOLVO INDUSTRIAL

FM 12-420 FH 12-420 FH 12-460 FH 12-500 Eng.D12D	D12D	2002	12130	6		IN	20459326	2407	40.0	8	191.7	PN	30	A	
						EX	8148574 3165234 20478551 3165234 20441486	2142	40.0	8	191.7	PN	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
VOLVO INDUSTRIAL																			
FM 300-340-360-380 Eng,D9B	D9B	2006	9360	6		IN	20528113	2408	38.0	8	192.0	PN	30	K					
						EX	20564039 21430916	2412	36.0	8	192.7	PN	30	K					
VOLVO INDUSTRIAL																			
FM 9-260 FM 9-300 FM 9-340 FM 9-380 FM 12-380 FH 12-380 Eng,D9A	D9A	2002	9360 12130	6		IN	20528113 20551761	2408	38.0	8	192.0	PN	30	K					
							20450002	2400	38.0	8	191.7	PN	30	A					
						EX	8148069 20516141	2401	38.0	8	191.5	PN	30	A					
						EX	20570965	2409	38.0	8	191.7	PN	30	K					
VOLVO INDUSTRIAL																			
FH 400/420/440/460/480 FH 500/520/540 FM 360/380/420/480/500 FMX 380/420/460/500/540 9700 / 9900 VHD VNL VAH VNM	D13A360 D13A400 D13A440 D13A480 D13A520 D13B360 D13B400 D13B440 D13B500 D13C380 D13C420 D13C460 D13C500 D13C540	2005 2007 2009 2012 2016	12800	6		IN	20740798 20561995 20712128	2410	42.0	8	192.0	PN	25	K					
						EX	20768519	2411	40.0	8	191.7	PN	40	K					
VOLVO INDUSTRIAL																			
FH12 FM12 Eng,D12C-D12D-B7R-D7E	D12C D12D B7R D7E320	2007	12000	6		IN	20980413 20833932	5226	38.2	8	145.7	PN	30	K					
						EX	20997871 20833936	5227	35.8	8	145.8	PN	45	K					
VOLVO INDUSTRIAL																			
FM 330 FM 370 FM 410 FM 450 FMX 330 FMX 370 FMX 410 FMX 450 B11R	D11A430 D11C330 D11C370 D11C410 D11C450 D11K330 D11K370 D11K380 D11K410 D11K430 D11K450 D11K460	2005 2010 2011 2012 2013	10800	6		IN	20540017	5297	40.0	8	192.0	PN	30	K					
						EX	21430918 20564020	5298	38.0	8	192.7	PN	30	K					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.
ZASTAVA															
Yugo 45 Eng. 100 GL 064 (33 KW)	100GL064	1980	903	4		IN	4265695	0220	29.0	7	95.0	CV	45	A	
						EX	4266321	0222	26.0	7	95.0	PN	45	K	
						EX	4377979	0221	26.0	7	95.5	PN	45	A	
						IN	4265699	G50507	13.03	7.02	42.5				Gh
						EX	4265699	G50507	13.03	7.02	42.5				Gh
ZASTAVA															
101 Yugo 55 Eng. 128 A.000 (41 KW)	128A000	1978 1980	1116	4		IN	4239917	0247	36.0	8	108.5	PN	45	A	
						EX	4315062	0248	31.0	8	109.0	PN	45	A	
						IN	4250803	G51467	14.06	8.02	46.5				Gh
						EX	4250803	G51467	14.06	8.02	46.5				Gh
ZETOR															
Tractor 2011 / 2013 / 2017 / 2023 / 2511 Eng. 2001 Tractor 3011 / 3013 / 3016 / 3017 / 3511 Eng. 3001 Tractor 4011 / 4045 / 4511 / 5511 / 5711 Eng. 4001 (16/24/32 KW)	2001 3001 4001	1960/77	1560 2340 3120	2 3 4		IN	950505	0780	39.2	8	129.4	PN	45	N	
						EX	950506	0781	33.2	10	127.5	PN	45	P	
						IN									
						EX									
ZETOR															
5711						IN	69010554	0786	44.5	10	129.5	PN	45	A	
						EX	69010555	0787	36.6	10	129.5	PN	45	A	
						IN									
						EX									
ZETOR															
Tractor 8011 / 8045 Eng. 8001 Tractor 8611 / 12011 / 12045 Eng. 8601 (55/84 KW)	8001 8601	1969	4562 6842	4 6		IN	480005014	0788	49.3	10	138.9	PN	45	A	
						IN	480005915	0784	49.0	10	139.0	PN	30	A	
						EX	480005015	0789	41.3	10	138.9	PN	45	A	
						IN									
						EX									
ZIL															
5301	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B	
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
ZOTYE																
SR9	4G63	2016	1997	4		IN	MD127840	1442	34.0	6.5	109.5	CV	45	A		
						EX	MD127841	1443	30.5	6.5	109.7	CV	45	A		
ZOTYE																
T600 2008 5008	4G15	2013	1468	4		IN	MD128435	5216	30.9	6.6	100.9	CV	45	A		
						IN	MD188434									
						EX		5214	33.0	6.5	101.0	CV	45	A		
ZOTYE																
T700 2008 5008	4G18	2015	1598	4		IN	MD339752	5217	29.0	5.5	115.5	CV	45	A		
						EX	MD339754	5218	25.4	5.5	114.7	CV	45	A		

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0006	116080330101	1	0002	195580330100	4	3007	035109611H	8	3044	068109601M	11
1092	60513310	1	1398	55195535	4	3043	069109601F	8	3044	068109601N	11
1092	60564098	1	1398	46802049	4	3043	069109601G	8	3045	068109611L	11
1092	195360330000	1	1399	55202557	4	3043	069109601H	8	3045	074109611	11
1093	60512751	1	1404	55193126	4	3048	035109601C	8	3045	069109611	11
1093	195100330105	1	1404	46478834	4	3048	035109601F	8	3045	068109611M	11
1094	60512982	1	1404	60814605	4	3062	051109601B	8	3045	069109611	11
1095	60601089	1	1404	46750859	4	3063	051109611B	8	3045	074109611	11
1096	60525336	1	1405	55202630	4	3084	077109601K	8	3108	059109601B	11
1096	A133798	1	1405	60814604	4	3085	077109611D	8	3108	059109601C	11
1097	60525337	1	1405	46416321	4	3088	077109601Q	8	3109	059109611C	11
1097	A133799	1	1405	46783962	4	3089	077109611K	8	3109	059109611B	11
1098	A134957	1	2647	55190248	4	3090	022109601F	8	3110	038109601B	11
1098	60540326	1	2654	55205125	4	3091	022109611B	8	3111	038109611B	11
1099	60540325	1	2658	55206431	4	3092	022109601E	8	3118	03G109601A	12
1099	A134958	1	2658	55207517	4	3093	022109611C	8	3119	03G109611B	12
1100	60513702	1	2659	55205183	4	3096	06E109601H	9	3120	03G109601B	12
1100	60625603	1	2659	55207955	4	3127	06D109611L	9	3121	03G109611D	12
1100	195610330000	1	2659	55207955	4	3094	022109601G	9	3122	059109601F	12
1101	60513703	1	2659	55220016	4	3095	022109611N	9	3123	059109611G	12
1101	195610330100	1	2659	55222934	4	3102	036109601S	9	3132	038109601E	12
1102	60667700	1	2677	55190249	4	3102	036109601AD	9	3133	038109611E	12
1102	60582738	1	0296	61316814	5	3103	036109611K	9	3134	045109601	12
1102	55186769	1	0297	61315973	5	3114	06B109601D	9	3135	045109611	12
1103	60582739	1	0304	98480846	5	3114	06B109601B	9	3136	057109601	12
1400	60560643	2	0305	99452179	5	3115	06B109611B	9	3137	057109611B	12
1401	60560644	2	2694	7547158	5	3115	06B109611C	9	3138	059109601G	13
2192	55192156	2	2694	60808694	5	3126	06D109601K	9	3139	059109611K	13
2193	71739686	2	2695	60808695	5	3126	06D109601M	9	3139	059109611H	13
2648	71741112	2	2924	55219793	5	3126	06E109601E	9	0045	86K944	13
2649	71741113	2	2925	55208213	5	3127	06D109611K	9	0047	NKJ0032	13
2652	55225886	2	2695+0,6T	7588577	5	3127	06D109611L	9	2264	612817	13
2653	55225887	2	1118	046109601K	5	3127	06D109611H	9	2265	VEJ1005	13
2660	55557741	2	1118	049109601F	5	3127	06D109611T	9	3140	038109601F	13
2661	71744388	2	1119	049109611F	5	3128	022109601H	9	3141	038109611G	13
2662	55185028	2	1119	049109611K	5	3129	022109611P	9	3142	03L109601	13
2663	55185080	2	3048	035109601C	5	1123	068109601	10	3143	03L109611	13
2663	55206233	2	3048	035109601F	5	1124	068109611	10	3144	03L109601A	13
2663	55239748	2	1132	058109601C	6	1124	068109611	10	3145	03L109611A	13
0254	7597080	3	1132	058109601C	6	1129	069109601	10	0048	11341705560	14
0254	5953041	3	1133	058109611M	6	1130	069109601C	10	0070	11341257592	14
2686	60805834	3	1133	06B109611D	6	1130	069109601D	10	0070	11341273592	14
2686	7574739	3	1135	058109611E	6	1131	068109611C	10	0071	11341250129	14
2686	7722907	3	2978	04E109601B	6	1131	068109611D	10	0071	11341269419	14
2687	7574742	3	2979	04E109611J	6	1131	072109611	10	0071	11341710788	14
2687	60805836	3	3006	026109601	6	3130	03F109601A	10	0071	11341250129	14
2687	7598073	3	3007	035109611F	6	3131	03F109611B	10	0071	11341269419	14
2687	7611673	3	3007	035109611H	6	3131	03F109611C	10	0071	11341710788	14
2687	7650916	3	2980	048109611A	7	1948	028109601A	10	0072	1267687	14
2719	7547400	3	2980	053109611	7	1948	028109601H	10	0072	11341265453	14
2719	7031135	3	2980	048109611A	7	1948	046109601G	10	0072	1265453	14
2719	46406169	3	2980	053109611	7	1948	046109601G	10	0072	11341267721	14
2914	560017	3	3005	035109611K	7	1948	046109601J	10	0073	1271273	14
2914	60811153	3	3005	034109611B	7	1948	046109601J	10	0073	1280643	14
2914	7766564	3	3014	048109601A	7	1949	046109611C	10	0073	11341280643	14
2915	60674496	3	3016	035109601G	7	1949	046109611F	10	0073	1267688	14
2915	560018	3	3016	035109601H	7	1949	046109611E	10	0073	11341267722	14
2915	60811154	3	3016	035109601J	7	2970	028109601D	10	0080	1709955	14
2916	60812982	3	3016	035109601K	7	2971	028109611G	10	0080	11341727358	14
2916	7735898	3	3038	078109601A	7	3045	068109611M	10	0081	11341727352	14
2917	60812981	3	3039	048109611B	7	3045	068109611L	10	0081	1717978	14
2917	7735899	3	3039	078109611C	7	1131	068109611C	11	0080	11341727358	15
2940	55229666	3	2980	053109611	7	1131	068109611D	11	0080	11341706941	15
2941	55231897	3	2980	048109611A	7	1131	072109611	11	0081	11341117579	15
0001	2036026	4	2980	053109611	7	3015	068109601C	11	0081	11341727352	15
0001	116760330001	4	3005	034109611B	7	3015	068109601D	11	0081	11341717878	15
0001	60507189	4	3005	035109611K	7	3043	069109601F	11	0082	11341713731	15
0002	116760330101	4	3040	027109601C	7	3043	069109601G	11	0083	11341720827	15
0002	60732850	4	3041	027109611B	7	3043	069109601H	11	0083	11341708895	15
0002	60540864	4	3041	027109611C	7	3045	068109611L	11	0084	11341720828	15
0002	60507190	4	3041	027109611D	7	3045	068109611M	11	0084	11341708896	15
0002	2037025A	4	3042	026109601A	7	3045	069109611	11	0086	11341739658	15
0002	2037018	4	3042	026109601C	7	3045	074109611	11	0086	11341739658	15
0002	60507190	4	3007	035109611F	8	3044	068109601L	11	0086	11341436949	15

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0087	11341436950	15	3412	11347573840	18	1066	2W2622	23	4051	2481467	26
0087	11341433893	15	0062	11342242621	19	1067	1061111	23	4051	2243030	26
0087	11341739665	15	0062	11341279141	19	1067	4N5653	23	4052	3081861	26
0100	11341738218	15	0062	11342242624	19	1067	1W3860	23	4052	3441624	26
0100	11341739820	15	0063	11341275965	19	1067	1152367	23	4053	3081860	26
0100	11341739822	15	0063	11342242622	19	1398	93185523	23	4054	2418382	27
0100	11341438451	15	0063	11342242623	19	1399	93178588	23	4054	2527803	27
0101	11347505731	15	0064	11342243328	19	4038	4W5374 GAS	23	4100	1W1818	27
0101	11341738219	15	0065	11342244282	19	4039	2W2443 GAS	23	4101	1W1819	27
0101	11341739821	15	5165	11347548280	19	1070	8H1993	24	4102	1W8606	27
0101	11341739823	15	5166	11341440304	19	1071	8H1994	24	4103	1W1822	27
0106	11341731640	16	5167	11341707519	19	1072	6H3026	24	4103	2W3211	27
0106	11341435480	16	5167	11347529839	19	1072	4F213	24	4125	2418383	27
0106	11341408015	16	5206	11341404588	19	1073	4F212	24	4104	1457390	27
0106	11341736549	16	5207	11341404589	19	1074	7M7358	24	4104	2527801	27
0107	11341736558	16	0098	11342244858	19	1075	7M7359	24	4105	1478211	27
0107	11341433699	16	0098	11342244814	19	1075	9M4163	24	4105	1557130	27
0107	11341408016	16	0098	11342246524	19	1076	7M7817	24	4106	1537023	27
0107	11341741231	16	0099	11342246525	19	1077	8H7097	24	4106	2365605	27
0107	11341435482	16	0099	11342244815	19	1077	8N3723	24	4107	1537024	27
0107	11341433481	16	0099	11342244851	19	1078	2M6402	24	4108	1528380	27
0107	11341433481	16	0677	11342247077	20	1078	1P0407	24	4109	1527585	27
0108	11341736567	16	0677	11342247077	20	1078	1N4885	24	4110	1227353	28
0108	11341731642	16	0898	11347805968	20	1079	1P1081	24	4111	1018314	28
0108	11341433482	16	0899	11347805969	20	1079	7S9345	24	4112	7W7490	28
0108	11341433700	16	3415	11347791054	20	1079	1P2629	24	4113	7W7491	28
0108	11341435476	16	3416	11347791055	20	1079	7N9541	24	4114	1632442	28
0109	11341433701	16	0677	11342247077	21	1079	2M6403	24	4114	1874123	28
0109	11341435478	16	1625	51041010375	21	1079	7E7830	24	4115	1883122	28
0109	11341433483	16	1625	51041010478	21	1079	8N3725	24	4116	2335469	28
0109	11341741230	16	1626	51041010479	21	1080	9L7682	25	4117	2335470	28
0109	11341731643	16	1626	51041010447	21	1081	9N5125	25	4118	7E4609	28
0109	11341736576	16	3417	11127797711	21	1081	1196772	25	4118	1219839	28
0114	11341738220	16	3418	11347797712	21	1081	9L7683	25	4118	7E4609	28
0114	11341438449	16	3418	11348511622	21	1082	5S6452	25	4118	1219839	28
0115	11347502351	16	3419	11347799612	21	1082	7S8809	25	4119	9H4811	28
0115	11341738221	16	9400	11347812618	21	1082	2W2621	25	4119	9H1087	28
2250	11347587470	16	9401	11347812616	21	1082	9N6117	25	4120	2M7727	28
2250	11347534508	16	1630	51041010425	21	1083	5S6449	25	4121	1632431	29
2251	11347547187	16	1631	51041010410	21	1083	5S7232	25	4122	1632432	29
2251	11347547187	16	1798	51041010574	22	1083	7S6767	25	4122	1577126	29
2255	11347585901	16	1799	51041010546	22	1083	8N0875	25	4049	2128477	29
3402	11347539919	17	2347	51041010438	22	1084	9N0180	25	4123	517738	29
3403	11347553774	17	2348	51041010439	22	1085	9N0185	25	4124	517739	29
3404	11347533884	17	2736	9060500326	22	1086	6N9915	25	5441	1888640	29
3405	11347533885	17	2777	9060500327	22	1086	7N0572	25	5442	1529857	29
3406	11347503737	17	5226	20833932	22	1086	2W2620	25	6515	2255495	29
3406	11341435461	17	5226	20980413	22	1087	7N0573	25	6516	2255499	29
3407	11341485585	17	5227	20833936	22	1087	6N9916	25	15158	7E9578	29
3407	11347829955	17	5227	20997871	22	1087	1007861	25	15158	7C5215	29
3407	11347513019	17	2192	55192156	22	1087	1487455	25	15158	1242692	29
3407	11347513023	17	2192	12786696	22	1517	10618851	25	15158	1929213	29
3408	11347829943	17	2193	12791961	22	4130	612979	25	15158	1570672	29
3408	11347829944	17	2463	12575352	23	4030	2941684	25	15159	1337029	29
3408	11347513020	17	2463	641079	23	4031	2941685	25	15159	7C1586	29
3408	11347513024	17	2464	12575354	23	4032	3096688	26	15159	1570671	29
3409	11347553771	17	2464	12575354	23	4033	3399637	26	3407	04777770AB	29
3409	11347539915	17	2464	12575354	23	4036	1642542	26	3407	11341485585	29
3410	11347553772	17	2465	12575351	23	4040	1220321	26	3408	04777772AC	29
5167	11347592839	17	2465	12575351	23	4041	1220322	26	3408	04777772AB	29
5167	11341707519	17	3710	12590771	23	4041	1642543	26	3408	11347829943	29
5167	11347503738	17	3710	12617533	23	4042	2102529	26	4195	4663836AA	30
3411	11347553775	18	3711	12582719	23	4043	1047184	26	4196	4892094AA	30
3412	11347553776	18	3711	12612427	23	4043	2102542	26	4197	04663345	30
3412	11347573840	18	1004	7W8064	23	4043	3074641	26	4198	04448052	30
3413	11347552952	18	1004	611589	23	4043	3089177	26	4199	04621116	30
3414	11347552953	18	1004	1614280	23	4043	5008528	26	4200	MD301193	30
3420	11347583777	18	1005	1051779	23	4043	5008527	26	4201	MD306183	30
3420	11347583779	18	1005	7W2699	23	4044	1944897	26	4203	04663347	30
3422	11347598273	18	1005	6115590	23	4044	4432712	26	4209	04663902	30
5157	11341722908	18	1005	1360819	23	4047	2120932	26	4202	04663836	30
5158	11341722909	18	1066	4N5654	23	4048	2120933	26	4203	04663347	30
5159	11341722910	18	1066	1152368	23	4050	2527802	26	4203	04663347	30
5160	11341722911	18	1066	1W3859	23	4050	2243028	26	4204	04648615	30

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
4205	04648613	30	0818	97531079	35	2253	0948E2	38	2700	95493872	42
4206	04667969AB	31	0818	97531079	35	2254	0949C8	38	2700	95569116	42
4206	04884691AA	31	0819	97531046	35	2255	0948G4	39	2701	5457479	42
4207	04884690AA	31	0819	094958	35	2268	9676359080	39	2701	95569117	42
4207	050737737AA	31	0828	91537492	35	2269	9676359180	39	1964	150288	43
4207	04777898AA	31	0828	91512944	35	2946	0948A5	39	1964	68276	43
4207	4884690AA	31	0828	094847	35	2947	0949A5	39	1964	144911	43
4208	04663899	31	0828	91512096	35	3404	0948F9	39	1966	3040830	43
4208	04663899	31	0830	91518971	35	3404	753388480	39	1966	3000926	43
4209	04663902	31	0831	91518972	35	3404	0949F6	39	1966	135957	43
2643	53006724	31	0840	9606070180	35	3404	753388580	39	1966	145701	43
2792	05073735AA	31	0840	96059361	35	3405	0949F6	39	1966	145701	43
2793	05073738AA	31	0840	094866	35	0128	95638449	39	1966	3040830	43
2793	05073737AA	31	0841	9614703280	35	0128	96012815	39	2705	0948A2	43
4210	04781025AA	31	0841	094972	35	0129	95638450	39	5640	0948F1	43
4211	04781029AB	31	0841	96059362	35	0129	96012816	39	5640	0948G7	43
4250	53006723	31	0841	9606070480	35	4224	0948F2	39	5641	0949E6	43
3120	68001582AA	32	0841	094976	35	4225	0949E7	39	5641	0949G1	43
3121	68001583AA	32	0838	97531080	36	0814	0948A8	40	1967	3275356	44
4216	05066770AA	32	0838	094858	36	0814	96150145	40	1967	3275355	44
4217	05066769AA	32	0839	97531044	36	0814	094874	40	1968	3920867	44
1398	55195535	32	0839	094959	36	0815	96150144	40	1968	3901117	44
1398	46802049	32	0849	094891	36	0815	094980	40	1968	3802355	44
1399	55202557	32	0850	96096851	36	0816	094859	40	1969	3802356	44
2644	05184127AC	32	0850	094873	36	0816	094863	40	1969	3920868	44
2645	05184128AE	32	0850	96101886	36	0816	094894	40	1969	3901607	44
4218	05175396AA	32	0851	96096852	36	0820	93501070	40	1970	3924472	44
4219	05175397AA	32	0851	96101887	36	0820	93501279	40	1970	3924492	44
4220	68027469AA	32	0851	094970	36	0820	094846	40	1970	3802275	44
4221	68027470AA	32	0872	094893	36	0821	93510774	40	1970	3802463	44
4212	53021550AA	33	0854	94892	36	0821	094973	40	1970	3915506	44
4213	53021551AA	33	0855	0949A6	36	0821	96272853	40	1971	3921444	44
4213	53021551AB	33	0855	094992	36	0821	96005392	40	1971	3902254	44
1273	T1464557	33	0858	094883	36	0821	93510773	40	1971	3802085	44
4224	KK05047068AA	33	0859	094989	36	0821	93501280	40	4300	207241	44
4224	KK05047068AB	33	0873	0948A4	36	0821	93501280	40	4300	3088393	44
4225	KK05047069AA	33	0874	0949A4	36	0821	96137360	40	4300	3088391	44
4225	KK05047069AB	33	0875	094899	37	0844	96007817	40	4300	3035110	44
4226	4105579	33	0876	094999	37	0844	96008334	40	4301	166774	44
4227	5214866	33	0877	0948A7	37	0844	094868	40	4312	4899632	44
4228	4298131	33	0877	0948C6	37	0845	094968	40	4302	3803854	44
4229	4298142	33	0878	0949A7	37	0845	96042957	40	4302	3084045	44
4230	4448052	33	0878	0949C2	37	0845	96079213	40	4303	3166410	44
4231	4621115	33	0859	0949A8	37	0846	094884	40	4303	3800891	44
5229	T1464556	33	0859	0949C5	37	0847	094990	40	4304	4965868	45
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0122	5457475	34	0883	0948C5	37	0852	094872	41	4304	3685996	45
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0611	91520847	34	0889	0948E0	37	0856	094895	41	4307	3802812	45
0618	91510548	34	0892	094875	37	0857	094996	41	4308	216707	45
6118	MD075925	34	0893	094981	37	0879	0948A3	41	4308	138886	45
6119	MD075927	34	0896	0948C8	38	0880	0949A3	41	4308	138887	45
6125	MD083848	34	0897	0949C4	38	0881	0948C0	41	4311	3394112	45
6126	MD083851	34	2012	91540748	38	0881	0948C0	41	4311	3394112	45
6127	MD024518	34	2012	094861	38	0882	0949A9	41	5626	3940735	45
6128	MD024519	34	2012	96172597	38	0894	0948C2	41	5627	3940734	45
0624	95563504	34	2013	96172795	38	0895	0949B1	41	5627	3968183	45
0624	094838	34	2013	91540782	38	0898	0948C7	41	15406	3068519	45
0624	95551307	34	2013	094962	38	0899	0949C3	41	15406	3070473	45
0624	7910025378	34	2014	91535017	38	1271	0948E6	42	15406	3803726	45
0624	7910025377	34	2014	91537468	38	1272	0949E3	42	15406	3803425	45
0625	7910030808	34	2014	094856	38	2256	0948C4	42	15406	3069672	45
0625	95551308	34	2014	094887	38	2257	0949C1	42	15406	3406657	45
0625	094942	34	2015	094957	38	2258	0948E5	42	15409	3033234	46
0625	7910025382	34	2015	91535019	38	2259	0949E1	42	15409	3801357	46
0635	95536524	34	2015	91537470	38	2274	0948F7	42	15409	3606856	46
0659	95536523	35	2015	094957	38	2275	0949F5	42	15409	3803995	46
0817	91513446	35	2250	0948E8	38	2668	094896	42	15409	3417713	46
0817	91537493	35	2251	0949E2	38	2671	0949A0	42	15409	3818520	46
0817	91508631	35	2252	0948A6	38	2671	0949A0	42	15411	3418020	46
0817	094952	35	2251	0949E2	38	2700	5478734	42	15411	4955239	46

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
15411	4926069	46	15454	96896007	50	2253	1371140040	54	0290	8823545	58
15411	3800638	46	15455	96896008	50	2253	1371140040	54	0290	8823548	58
15411	3803311	46	15455	96440079	50	2254	1371540040	54	0291	8823549	58
15411	3070159	46	15455	96376980	50	2254	1371540040	54	0291	8823544	58
15411	3418021	46	2314	642027	51	5626	1404919	54	0294	4535494	58
15411	3800639	46	2314	641085	51	5627	1404918	54	0295	4535495	58
0405	7701458180	46	2314	98113743	51	2534	1371187701	54	0299	4632840	58
0407	7700638247	46	2315	641400	51	2534	1371187705	54	0302	4580688	58
15415	3942588	46	2315	641086	51	2535	1371587702	54	0328	4802204	58
15415	3800340	46	2315	97385842	51	2535	1371587701	54	0304	4695850	59
15416	3800341	46	2316	96951454	51	2558	1371171010	55	0304	4683025	59
15416	3942589	46	2316	4817354	51	2559	1371571010	55	0304	4683025	59
15419	3802659	46	2316	4805321	51	2566	1371144013	55	0305	4683026	59
15419	3922714	46	2317	96951455	51	2567	1371544022	55	0305	2991999	59
15420	3922713	46	2317	4817338	51	3860	1371187202	55	0310	4704214	59
15420	3802658	46	1178	1342220	51	3861	1371587202	55	0311	4704215	59
0448	7701471378	47	1179	1362696	51	3862	1371197205	55	0311	4808415	59
0449	7701471379	47	2327	25183821	51	3863	1371597203	55	0312	4638617	59
0449	7701473354	47	2328	25183822	51	3863	1371587208	55	0313	4684088	59
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0641	7701465090	47	2747	6010531701	51	5528	1371187103	55	0330	98448462	59
0641	7701468149	47	2747	6010531201	51	5528	1371187104	55	0330	98497241	59
1702	7701473184	47	2748	6010501227	51	5529	1371587105	55	0330	4860106	59
1703	7701473183	47	2748	6010500227	51	5529	1371587106	55	0330	98443427	59
1704	7701472986	47	2748	6010502127	51	2528	1371187312	56	0331	4860107	59
1705	7701473004	47	2944	55223835	51	2529	1371587319	56	0331	1908427	59
2068	90529527	47	2945	55223836	51	2554	1371156030	56	0516	8824754	59
2069	90529529	47	1187	211260	52	2555	1371556030	56	0516	4821709	59
2069	55565339	47	1187	257263	52	3282	4710500426	56	0517	8830045	59
5288	132017322R	47	1188	210504	52	3283	4710500527	56	0517	8825776	59
5289	132027223R	47	1188	517472	52	3722	23518745	56	0517	4821711	59
2146	90215492	48	1188	257265	52	3723	23519093	56	0516+0,6T	4821710	59
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2171	90410813	48	1193	267356	52	4037	23529596	57	2456	5806605	60
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2306	96230591	49	1179	1654942	53	1968	3802355	57	0286	4659379	60
2307	96230595	49	1844	1345509	53	1969	3802356	57	0286	1902205	60
2308	96335947	49	1845	1352127	53	5626	3940735	57	0287	4621484	60
2309	96335948	49	1846	1307654	53	5627	3940734	57	0287	4673608	60
2310	93333561	49	1847	1327029	53	0286	60105343	58	0287	4658055	60
2311	93333562	49	1847	1327029	53	0286	4659379	58	0287	4658055	60
2321	93399245	49	1848	1603846	53	0286	1901963	58	0288	4824416	61
2322	24578793	49	1848	1684773	53	0286	1902205	58	0288	4803805	61
2323	93399246	50	2290	1684513	53	0287	4621484	58	0288	1904656	61
2324	24579671	50	2291	1678541	53	0287	4673608	58	0288	98435622	61
2325	96463002	50	2292	1912976	53	0287	4658055	58	0288	4784888	61
2326	96463003	50	2293	1741505	53	0287	4658055	58	0288	99432652	61
2660	641076	50	0718	1371131030	54	0288	4824416	58	0288	1908408	61
2661	641391	50	0719	1371531030	54	0288	99432652	58	0288	98435622	61
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2772	1040531201	50	0724	1371131050	54	0288	4803805	58	0289	99432718	61
2773	1110501227	50	0725	1371531070	54	0288	1904656	58	0289	99432718	61
0816	FS054982	50	1779	1371125011	54	0288	4784888	58	0289	99432717	61
0816	50054982	50	1780	1371525011	54	0289	1904655	58	0289	4806717	61
0821	50060609	50	1810	1371197401	54	0289	4784889	58	0289	4784889	61
0821	FS060609	50	1810	1371123030	54	0289	4789890	58	0289	1908410	61
15454	96376881	50	1811	1371597401	54	0289	4806717	58	0289	4806718	61
15454	96440081	50	1811	1371523030	54	0289	4806718	58	0289	1904655	61

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
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2441	1908409	61	3051	98407026	64	0253	4173746	67	2699		70
2441	1904654	61	5622	98474603	64	0253	4255694	67	2702	4376861	70
2441	4784890	61	5622	98478407	64	0253	4255779	67	2703	4376862	70
0296	61316814	61	5623	98474604	64	0254	5953041	67	2704	5976805	70
0296	61320722	61	2449	5801487019	64	0254	4293992	67	2704	4376864	70
0296	61370865	61	5624	500355776	64	0254	4469661	67	2707	46470637	71
0296	61318428	61	5624	504042366	64	0254	5975341	67	2920	46470638	71
0297	61321255	61	5624	5801551448	64	0254	7597080	67	0254	4293992	71
0297	61315973	61	5625	504042367	64	0254	7631719	67	0254	7631719	71
0298	4535358	61	5625	500355779	64	0254	4359309	67	0254	7597080	71
0299	4535359	61	5625	504314695	64	0255	4300760	67	0254	5975341	71
0299	4632840	61	5626	4895052	65	2710	4319339	67	0254	5953041	71
0299	4632840	61	5627	4895051	65	2710	5973129	67	0254	4359309	71
0299	4535359	61	5628	504069199	65	2710	7565813	67	0254	4359309	71
0302	4580688	62	5628	500362855	65	2710	4403047	67	0254	4469661	71
0304	98480846	62	5628	504378070	65	0205	4094941	68	2715	4415238	71
0304	4683025	62	5629	500362856	65	0205	4146638	68	2716	4415239	71
0304	4638615	62	5634	500355778	65	0205	4374855	68	2716	5957451	71
0305	99452179	62	5635	504080352	65	0205	5977214	68	2717	4426397	71
0305	2991999	62	5635	500355780	65	0205	4340268	68	2718	4394134	71
0305	4683026	62	5635	504293892	65	0219	4294099	68	2718	5975849	71
0312	4638617	62	0204	4058859	65	0263	4351243	68	2719	7547400	71
0313	4684088	62	0204	4062108	65	0263	4365783	68	2719	4440061	71
0314	4684089	62	0204	4294098	65	0264	4340118	68	2719	7031135	71
0611	7910028074	62	0205	4374855	65	0266	4379986	68	2719	46406169	71
0611	094927	62	0205	5977214	65	0462	82316779	68	2910	7712114	71
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0618	094833	62	0205	4146638	65	0463	82399550	68	2912	55192067	72
0635	094836	62	0205	4094941	65	0728	4351237	68	2912	46413806	72
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1969	4895188	62	5640	504238926	65	2920	4412822	68	2912	46761369	72
4312	4899632	62	5641	504081062	65	2920	4340119	68	2912	55183592	72
2444	98444133	63	5641	504238928	65	2920	4340119	68	2913	46413807	72
2444	98446334	63	5641	504184682	65	0840	9153501780	68	2913	46462159	72
2444	99485232	63	0205	4374855	65	0840	9605936180	68	2913	55196738	72
5621	99444132	63	0205	4094941	65	0841	9153501980	68	2913	46461209	72
5621	4828299	63	0205	4340268	65	0841	9614703280	68	2913	46761370	72
2445	504203471	63	0205	5977214	65	0854	9628943380	68	2914	7766564	72
2445	5801493134	63	0205	4146638	65	0855	9629861180	68	2915	60674496	72
2450	504042365	63	0210	4132958	66	0875	9623950380	69	2915	7766565	72
2450	500354685	63	0211	4064702	66	0876	9636001780	69	2916	7735898	72
2450	500354682	63	0212	4121897	66	1827	55229667	69	2916	60812982	72
2450	99456803	63	0213	4121898	66	1828	55231995	69	2917	7735899	72
2451	500354687	63	0214	4265690	66	2192	71739277	69	2917	46417653	72
2451	99457210	63	0215	5977614	66	2193	71739320	69	2917	60812981	72
2451	504042363	63	0215	4265692	66	2652	55225886	69	2926	55194993	72
2666	98429886	63	0220	46407749	66	2653	55225887	69	2927	55194994	72
2666	1908394	63	0220	4265695	66	2660	55557741	69	2934	55198341	72
2667	98412705	63	0220	46427459	66	2661	71744388	69	2935	55198342	72
2667	1908395	63	0220	5959564	66	2662	55185028	69	0280	4741915	73
2668	98468338	63	0221	7783841	66	2663	55206233	69	0281	4733348	73
2669	98418161	63	0221	7736408	66	2663	55239748	69	0844	9600781780	73
2700	5471746	63	0221	5973130	66	2663	55185080	69	0845	9604295780	73
2700	5478734	63	0221	5959563	66	2670	7770334	70	0856	9624774280	73
2701	5414239	63	0221	4377979	66	2670	46436048	70	0857	9624774580	73
2701	5457479	63	0221	4183555	66	2682	5942727	70	2705	4757358	73
2702	4376861	63	0222	4266321	66	2682	46406854	70	2705	7301820	73
2703	4376862	63	0223	5976236	66	2682	7666228	70	2706	4733349	73
2448	4673862	64	0223	4400640	66	2683	5942728	70	2936	71742050	73
2646	500327442	64	0231	4137337	66	2683	7666227	70	2937	71747245	73
2671	99432837	64	0232	4137338	66	2683	46514754	70	0881	9635317980	73
2671	99432837	64	0233	4250799	67	2683	5942728	70	0882	9635318480	73
2692	7302157	64	0234	4147475	67	2683	46514754	70	0898	9645024780	73
2692	7303309	64	0234	4250800	67	2683	7666227	70	0899	9640840080	73
2692	7301821	64	0234	4252787	67	2686	7574739	70	1271	9660035980	74
2705	7301820	64	0239	4080364	67	2686	7722907	70	1272	9660640080	74
2705	7301820	64	0240	4111154	67	2687	7598073	70	1404	60814605	74
2705	4757358	64	0243	4127674	67	2687	7574742	70	1404	46750859	74
3050	4837679	64	0244	4127675	67	2687	7650916	70	1404	55193126	74
3050	4849522	64	0244	4146641	67	2687	7611673	70	1405	46764378	74

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
1405	55202630	74	2694	5990532	77	1308	928M6507C2A	80	0365	6172848	83
1405	60814604	74	2694	5990532	77	1308	6742921	80	0365	93FF6505AA	83
1405	46783962	74	2695+0,6T	7588577	77	1308	928M6507C1A	80	0365	89FF6505AA	83
1398	55195535	74	0360	81SM6507KF	77	1309	948M6505A2A	80	0365	89FF6505AA	83
1398	46802049	74	0360	89SM6507AA	77	1309	7314594	80	0365	89FF6505FA	83
1399	55202557	74	0361	81SM6505AF	77	1309	7314599	80	1319	1198044	83
2647	55190248	74	0360	89SM6507AA	78	1312	98MM6507C2B	80	1319	1352129	83
2654	55205125	74	0360	6086114	78	1312	1072048	80	1319	1078429	83
2658	55206431	74	0360	81SM6507KF	78	1315	1324132	80	0368	894F6507A1B	83
2659	46787902	74	0360	6172656	78	1315	1213175	80	0368	1050570	83
2659	55207955	74	0362	81SM6505AG	78	1315	1124377	80	0369	6200033	83
2659	55205183	74	0362	81SM6505BG	78	1315	1374186	80	0369	894F6505A1B	83
2659	55207955	74	0362	V86SF6505AA	78	1315	1584022	80	0400	785F6507AAA	83
2659	55205183	74	0362	89SM6505AG	78	1316	1324131	80	0401	785F6505AAA	83
2672	46527855	74	0362	6103818	78	1316	1124378	80	0616	78EM6507AA	83
2672	7798620	74	0380	1051773	78	1316	1584019	80	0617	78EM6505AA	83
2673	46527856	74	0381	1069529	78	1317	1324691	80	0626	83EM6507AA	83
2673	7783225	74	0381	1101934	78	1318	1324690	80	0824	93500418	83
2673	7783225	74	0382	6742922	78	1324	91XM6507AC	80	0824	83EM6507BB	83
2677	55190249	74	0382	1041830	78	1324	7076363	80	0825	93500889	83
2678	7553000	75	0383	1033898	78	1325	91XM6505AB	80	0825	83EM6505AB	83
2679	7553004	75	1309	1023591	78	1325	6576229	80	1348	715F6507AAD	83
2690	7597566	75	0384	97MM6507A2B	78	1326	86TM6507FA	81	1349	715F6505AAC	83
2691	7597565	75	0384	1051772	78	1327	86TM6505AD	81	0848	1683701	84
2692	7301821	75	0385	56GC6505A2A	78	1328	88TM6507AA	81	0848	9M5Q6507AA	84
2692	7302157	75	0385	1139387	78	1329	88TM6505AA	81	0880	1231930	84
2705	4757358	75	0386	1041838	78	1331	74TM6507AB	81	0879	1231931	84
2705	7301820	75	0386	928M6507F2A	78	1331	89BM6505CA	81	0880	1231930	84
2711	4368843	75	0387	1033899	78	1331	1038606	81	0894	1145933	84
2712	4368845	75	1340	6640543	78	1331	1653978	81	0894	1152191	84
2712	5996615	75	1340	6640544	78	1332	6165228	81	0895	1145932	84
2713	4424173	75	1340	6640548	78	1332	89BM6507BA	81	0895	1152190	84
2713	4424173	75	1340	928M6507D1A	78	1336	919M6507AA	81	0895	1202362	84
2714	4424174	75	1341	6911483	78	1337	919M6505AA	81	0898	1229882	84
2924	55195680	75	1341	1023593	78	1338	85HM6507FA	81	0899	1229883	84
2924	46518930	75	1341	928M6505D2A	78	1339	85HM6505AA	81	1271	1121333	84
2924	55219793	75	1341	6640542	78	1342	711M6507LA	81	1271	1121331	84
2925	55208213	75	1341	948M6505B2A	78	1342	801M6507CA	81	1271	1217148	84
2925	46518931	75	3501	F8CZ6505AA	78	1343	711M6505GA	81	1271	1216915	84
2692+0,6T	4826033	75	0390	1053844	79	1343	791M6505JA	81	1271	1738494	84
0220	4265695	76	0391	1124512	79	1343	791M6505GA	81	1271	BK2Q6507BB	84
0220	4265695	76	0391	1053842	79	1354	70HM6507AE	82	1271	XS7Q6507A2C	84
0221	4377979	76	0391	1066044	79	1355	70HM6505AF	82	1272	1121332	84
0222	4266321	76	0398	771M6507DA	79	1355	78HM6505BA	82	1272	1134466	84
0222	4266321	76	0398	771M6507EA	79	1356	70HM6507DD	82	1272	1214456	84
0247	4239917	76	0398	771M6507GA	79	1364	78HM6505CA	82	1272	1706990	84
0248	5973128	76	0398	801M6507GA	79	1856	1755220	82	1275	1096250	85
0248	4315062	76	0398	801M6507JA	79	1856	1800892	82	1276	1096248	85
0264	4340118	76	1343	711M6505GA	79	1856	BM5G6507AE	82	1283	1449108	85
0319	7609772	76	1343	711M6505MA	79	1857	1800711	82	1283	6M346507AA	85
2710	5973129	76	1343	711M6505NA	79	1857	BM5G6505BA	82	1284	1449109	85
2920	4340119	76	1343	791M6505GA	79	0340	84FM6507CB	82	1284	6M346505AA	85
2944	55223835	76	1343	791M6505JA	79	0340	84FM6507AB	82	1710	RF0112111	85
2944	55270167	76	1262	1320927	79	0340	1631007	82	1711	RF0112121	85
2945	55223836	76	1262	1122364	79	0340	84FM6507AC	82	1711	RF0112121	85
2945	55270169	76	1262	1S4G6507CA	79	0340	84FM6507BB	82	1714	3595890	85
2707	4412816	76	1263	1113189	79	0341	84FM6505AC	82	1715	3595885	85
2920	4340119	76	1263	1S6C6505BA	79	0341	1631002	82	1948	1669766	85
0342	80BM6507AC	77	1263	1113189	79	2266	1675266	82	1949	1669772	85
0342	80BM6507BC	77	1277	1151997	79	2267	1682170	82	2258	0948E5	85
0342	80BM6507AB	77	1277	1320926	79	2267	5144989	82	2258	1451597	85
0342	77BM6507AB	77	1302	7078139	79	0364	6172851	83	2258	1871590	85
0343	84BM6505GA	77	1302	88WM6507BA	79	0364	1113197	83	2259	0949E1	85
0343	77BM6505AC	77	1302	95WM6507AA	79	0364	89FF6507FA	83	2259	1427813	85
0344	77BM6507DB	77	1303	95WM6505AA	79	0364	1012773	83	2259	6G9Q6505AA	85
0344	80BM6507DC	77	1303	88WM6505EA	79	0364	6781619	83	2274	1685847	86
0354	78TM6507AA	77	1303	88WM6505DA	79	0364	6781621	83	2274	AV6Q6507AA	86
0354	78TM6507BA	77	1303	7078136	79	0364	93FF6507AF	83	2275	1685845	86
0354	78TM6507CA	77	1303	XC1G6505AA	79	0364	89FF6507FB	83	2275	AV6Q6505AA	86
1281	78TM6505FA	77	1303	1124347	79	0364	1078433	83	2924	46518930	86
1281	78TM6505GA	77	1306	1012749	80	0364	89FF6507AA	83	2925	46518931	86
1281	78TM6505HA	77	1307	1012747	80	0364	93FF6507AA	83	2970	1079769	86
1333	77BM6505DB	77	0381	1101934	80	0365	6172854	83	2971	1049788	86
1333	77BM6505EB	77	0381	XS6G6505B2A	80	0365	6172845	83	3110	1100679	86

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
3111	1100678	86	3708	12577696	90	5804	14711P08000	94	3218	2221223000	99
0193	81710772	86	3709	12568412	90	5804	14711P2A000	94	3219	2221137201	99
0193	EIADDN6507	86	3709	12577697	90	5804	14711P1JE00	94	3220	2221237200	99
0195	723F6505ABA	86	3710	12617533	90	5805	14721P08000	94	3986	222112G000	99
0195	81854802	86	3710	12590771	90	5805	14721P1JE00	94	3987	2221225002	99
0195	EIADDN6505C	86	3711	12582719	90	5805	14721P2A000	94	5520	2221122003	100
1358	703F6507AAA	86	3711	12612427	90	5806	14711PNA000	95	5521	2221222011	100
1358	723F6507AAA	86	4008	12601763	90	5807	14721PNA000	95	0816	2221129000	100
1358	723F6507GAA	86	4400	2401007014B7	90	5807	14721PRB000	95	0821	2221229000	100
1358	813F6507DAA	86	4400	2401007014B4	90	5805	14721P2A000	95	1440	2221142850	100
1358	693F6507BAA	86	4400	2401007014B9	90	5808	14711RNA000	95	1441	2221242850	100
1359	703F6505AAA	86	4401	2401007015B6	90	5810	14711PCX000	95	1599	2221142520	100
1359	81596819	86	4401	2401007015B7	90	5811	14721PCX000	95	1600	2221242520	100
1359	723F6505GAA	86	4401	2401007015B9	90	5811	14721R40A00	95	2474	OK55112111A	100
1359	693F6505AAB	86	1848	1603846	90	5812	14711R40A00	95	2475	OK55112121A	100
1359	2701E6505A	86	1179	1362696	90	5814	14711PT2000	95	3198	2221222004	100
1359	813F6505DAA	86	5626	1404919	91	5815	14721PT2000	95	3204	2221142200	100
1369	510E507B	86	5627	1404918	91	5818	14711P0A000	95	3205	2221242200	100
0198	C5NE6507A	87	2290	1684513	91	5818	14711PDAE00	95	5520	2221122003	100
0198	D3NN6507A	87	2291	1678541	91	5818	14711POHA00	95	3192	222112F000	100
0198	81823823	87	1524	4255254	91	5819	14721POHA00	95	3193	222122F001	100
0198	87800344	87	1525	4255255	91	5819	14721PDAE00	95	3221	2221127001	101
0199	C5NE6505A	87	1630	51041010425	91	5819	14721P0A000	95	3221	2221127000	101
0199	81843651	87	1631	51041010410	91	0674	14711P5TG01	96	3222	2221227000	101
0199	D3NN6505A	87	0422	1218394	91	0675	14721P5TG01	96	3222	2221227001	101
1868	XL3Z6507AA	87	0423	1218383	91	5611	14721P75000	96	3223	222112A100	101
1869	XL3Z6505AA	87	2345	51041010537	91	5611	14721P75A00	96	3224	222122A100	101
15238	F4TZ6507B	87	2346	51041010538	91	5820	14711P13000	96	3225	222114A061	101
15238	1823453C1	87	0428	1235104	92	5821	14721P13000	96	3226	222124A061	101
15239	F4TZ6505C	87	0429	1240265	92	5822	14711PR3000	96	3229	2221142861	101
15239	1823452C1	87	0429	1235105	92	5823	14721PR3000	96	3230	2221242861	101
2500	E8BZ6507A	87	3001	25552400	92	5824	14711P75000	96	0587	795730R1	101
2501	E8BZ6505A	87	3001	25552500	92	5824	14711P75A00	96	0588	795729R1	101
3007	035109611F	87	3001	71262713	92	5826	14711PB500	96	3228	2221242220	101
3007	035109611F	87	3002	25552800	92	5827	14721PR7A00	96	3707	2221142220	101
3048	035109601C	87	3002	71250985	92	2186	14711PLZD00	96	1478	3055055R2	102
5093	F5UZ6507A	87	3002	71261358	92	2187	14721PLZD00	96	1478	3055055R1	102
5094	F4TZ6505B	87	5182	14711PH3000	92	4402	61560050042	97	1479	3055056R1	102
1858	F87Z6507BA	88	5183	14721PH7000	92	4403	61560050041	97	1479	3055056R2	102
1859	F87Z6505BA	88	5182	14711PH3000	92	5554	14711383000	97	3353		102
1859	4438257	88	5197	14711P73J01	92	5555	14721383000	97	3357		102
1859	595093	88	5583	14711P07000	92	5586	14721RBDE00	97	5144	675046C4	102
4235	BR3Z6505A	88	5584	14721P07000	92	5618	14711RBDE00	97	5144	675046C2	102
4240	BR3Z6507A	88	5611	14721PH3000	92	5850	14711RLOG00	97	5145	676865C4	102
4240	FR3Z6507A	88	5823	14721PR3000	92	5851	14721RLOG50	97	5145	676865C2	102
4241	FR3Z6505A	88	5587	14711RB0000	93	1422	MD000480	97	15402	1818580C1	102
1380	1291160B20	88	5588	14721RB0000	93	1423	MD000481	97	15403	1824838C1	102
1380	96060053	88	5589	14711R60000	93	1428	MD016460	97	15502	1823875C2	102
1381	96060054	88	5590	14721P2A000	93	1428	2221121010	97	15503	1824840C1	102
1381	1291560B70	88	5604	14711PE0660	93	1429	MD016461	97	15504	1839968C1	102
1393	21007038	88	5605	14721PE0660	93	1429	2221221004	97	15505	1842145C2	102
1394	21007037	88	5606	14711PM3000	93	1429	2221221304	97	15506	8C3Z6507A	102
1394	21000637	88	5606	14711P1KE01	93	1442	2221133000	98	15507	8C3Z6505A	102
1394	21007154	88	5607	14721PM3000	93	1443	2221233000	98	1104	8941539690	103
4242	AA5Z6507A	88	5607	14721P1KE01	93	2514	2221102200	98	1104	8942512750	103
4243	AA5Z6505A	88	5608	14711PG6000	93	2515	2221202200	98	1105	8944410740	103
4244	BC3Z6507A	88	5609	14721PG6000	93	3188	2221104000	98	1105	8971197510	103
4245	CC3Z6505B	88	5610	14711POBA00	93	3189	2221204000	98	1105	8942514400	103
1395	21007039	89	5614	14711PT3A00	94	3190	2221103000	98	1105	8942512760	103
1396	21007040	89	5614	14711PT3A00	94	3190	2221103201	98	1116	8942171780	103
2192	12575793	89	5614	14711P45601	94	3191	2221203000	98	1117	8942171790	103
2193	24454518	89	5614	14711PV1000	94	3191	2221203201	98	2170	641022	103
2542	96057952	89	5615	14721PT6A00	94	3200	2221102510	98	2171	641325	103
2543	96067994	89	5615	14721P45601	94	3200	2221102500	98	2619	8942519770	103
3700	10198816	89	5615	14721PT3A00	94	3201	2221202500	98	2627	8942519780	103
3701	10198817	89	5825	14721PV1000	94	3209	2221126600	98	3902	8970274992	103
3702	2114084	89	5616	14711PY3000	94	3210	2221226000	98	3903	8970141741	103
3702	10241743	89	5616	14711P5A000	94	3211	2221123600	99	3904	8970338642	104
3703	2113234	89	5617	14721P5A000	94	3212	2221223600	99	3904	8970338641	104
3703	12550909	89	5617	14721PY3000	94	3213	2221123100	99	3905	8972195092	104
3704	14033927	89	5800	14711PWA000	94	3214	2221223100	99	3905	8971891140	104
3705	10149663	89	5801	14721PWA000	94	3215	222112B000	99	2172	8943268430	104
3706	12601762	90	5802	14711P8EA00	94	3216	222122B000	99	2173	8941100173	104
3708	12568411	90	5803	14721P8EA00	94	3217	2221123000	99	2173	8941150592	104

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
2582	9125518020	104	5045	R89222	109	0177	4153629	112	2510	OK9BV12111	116
2583	5125520260	104	5045	R89223	109	0177	2137457	112	2511	OK56612121	116
2588	8971371540	104	5045	R83071	109	0177	2137301	112	2514	2221102200	116
2589	8971371551	104	5046	R89227	109	0178	4153696	112	2515	2221202200	116
3906	8943958822	104	5069	R79630	109	1500	3357290	112	2516	OK2NC12111	116
3907	8972098763	104	5069	R79629	109	1501	3357291	112	2517	OK2NC12121	116
3908	8980169730	104	5069	R79628	109	1506	2133730	112	2518	2221135520	116
3908	8973096751	104	5069	R79623	109	1507	2934523	112	2519	2221235500	116
3909	8980169741	104	5070	R79625	109	1507	3371746	112	2526	OB65712111	117
3909	8973096771	104	5070	R79626	109	1508	4170898	112	2527	OK93812121	117
2621	641049	105	5070	R79627	109	1508	4272209	112	3188	2221104000	117
2621	8971319610	105	5070	R79624	109	1509	4170899	112	3189	2221204000	117
2622	641360	105	5071	R45004	109	5221	4153455	112	3190	2221103000	117
2622	8971319620	105	5071	R45005	109	1520	4159138	113	3190	2221103201	117
2623	8970155462	105	5071	R45003	109	1520	4159136	113	3191	2221203000	117
2624	8970155471	105	5071	R43883	109	1521	4159137	113	3191	2221203201	117
3910	9944649210	105	5075	R43787	109	1522	4159140	113	3194	OBP1B12111	117
3910	8944649212	105	5075	R43788	109	1524	4204014	113	3195	MBP0512121A	117
5100	8971317290	105	5075	R43789	109	1524	4255254	113	3209	2221126600	117
5101	8944332450	105	5075	R43679	109	1524	4283380	113	3210	2221226000	117
5101	8982773830	105	5072	R43914	110	1525	4204015	113	3211	2221123600	117
5101	89704386H	105	5073	R50358	110	1525	4255255	113	3212	2221223600	117
5101	8970438612	105	5073	R55055	110	1525	4283381	113	1599	2221142520	118
9544	AJ810945	105	5073	R55057	110	1526	04226413	113	1600	2221242520	118
9545	NCA2532AA	105	5073	R55059	110	1526	4267453	113	3215	222112B000	118
9547	EAC1547	105	5074	R55056	110	1526	4225353	113	3215	222112B400	118
9548	EAC1548	105	5074	R55058	110	1526	4226562	113	3216	222122B000	118
2258	0948E5	106	5074	R50357	110	1527	04226412	113	3219	2221137201	118
2259	0949E1	106	5074	R55060	110	2642	4228353	113	3220	2221237200	118
4212	53021550AA	106	5075	R43789	110	5219	4159139	113	3986	2221125000	118
4213	53021551AB	106	5075	R43679	110	5219	4231804	113	3986	2221125002	118
4213	53021551AA	106	5075	R43787	110	2630	4234951	113	3986	222112G000	118
4224	0948F2	106	5075	R43788	110	2630	4234952	113	3987	2221225000	118
4225	0949E7	106	5077	R75690	110	2630	4231479	113	3987	2221225002	118
9549	XR822776	106	5078	R63982	110	2630	4159136	113	1710	RF0112111	118
9550	AJ810106	106	7011	R44174	110	2630	4159136	113	1711	RF0112121B	118
4250	33003515R	106	7012	R98062	110	2631	4159137	113	2474	OK55112111A	118
4251	33003860R	106	7012	R97490	110	2631	4231804	113	2475	OK55112121A	118
0630	7701462232	107	7014	R97492	110	2632	4131597	114	2478	222114A000	119
0631	7701461339	107	7014	R90692	110	2633	4131598	114	2479	222124A000	119
2792	05073735AA	107	0173	3369307	111	2634	4124018	114	2482	2221141001	119
2793	05073737AA	107	0174	3369308	111	2635	4124019	114	2483	2221245000	119
2793	05073738AA	107	7015	R84618	111	2636	4254934	114	2483	2221245001	119
4252	53020747AB	107	7015	R93308	111	2636	4254284	114	2490	OK05412111	119
4253	53020748	107	7015	R93312	111	2637	4254935	114	2491	OK05412121	119
4256	53010512AA	107	7016	R84619	111	2637	4254285	114	2492	OK65D12111	119
4257	53010513AA	107	7016	R93313	111	2638	4285985	114	2493	OK65B12121	119
3120	68001582AA	107	7016	R93311	111	2639	4285986	114	3192	222112F000	119
3121	68001583AA	107	7017	R26124	111	2640	4284042	114	3193	222122F201	119
4216	05066770AA	107	7018	R26123	111	2641	4284043	114	3221	2221127001	119
4217	05066769AA	107	0175	3358980	111	5226	04903005	114	3221	2221127000	119
4218	05175396AA	108	0175	3358982	111	5227	04903006	114	3222	2221227000	119
4219	05175397AA	108	0176	3358984	111	1442	2221133000	115	3222	2221227001	119
4220	68027469AA	108	0176	3358981	111	1443	2221233000	115	3223	222112A100	120
4221	68027470AA	108	0177	4153631	111	2469	222113E000	115	3224	222122A100	120
5900	375631	108	0177	4153773	111	2470	222123E000	115	3225	222114A061	120
5901	375630	108	0177	4150036	111	2471	222113C100	115	3226	222124A061	120
3300	R518806	108	0177	2137457	111	2471	222113C800	115	1964	6610414110	120
3301	R524875	108	0177	4153629	111	2471	222113C810	115	1964	6610414210	120
3304	R520223	108	0177	2137301	111	2472	222123C100	115	5032	6240414110	120
3305	R520224	108	0178	4153697	111	2472	222123C800	115	5032	4089089	120
5902	414487	108	0178	2137300	111	2494	K95412111	115	5032	4007179	120
5903	369443	108	0178	2232717	111	2495	K01312121	115	5033	6240414210	120
5904	334781	108	0178	2237221	111	2500	MB30112111	115	5034	6221414110	120
5905	334782	108	0178	3371776	111	2501	K15112121	115	5035	6221414211	120
3306	R122035	109	0178	4153696	111	2501	K15012121	115	5036	6162434110	120
3306	R516892	109	0178	4153696	111	2502	OK30E12111	115	5036	6162434111	120
3306	R122035	109	1494	3361636	112	2503	OK30E12121	115	5037	6162434110	120
3306	R516892	109	1495	3361616	112	2504	K93012111	116	5037	6164414211	120
3308	R502454	109	1498	4208095	112	2505	K93012121	116	5037	6164414211	120
3309	R502455	109	1498	4255216	112	2506	OK30C12111	116	5038	6736414110	121
3310	R90602	109	1499	4208096	112	2507	OK30C12121	116	5039	6736414210	121
3311	R90601	109	1499	4255217	112	2508	OK24712111	116	5040	6215414110	121
5045	R89224	109	0177	4153773	112	2509	OK24712121	116	5041	6215414212	121

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5042	50213800	121	0254	4469661	125	2913	46461209	128	2945	55208213	132
5042	6127414113	121	0254	4359309	125	2920	4340119	128	4220	K68027469AA	132
5043	50213900	121	0254	4293992	125	2920	4340119	128	4221	K68027470AA	132
5043	6127414214	121	2710	4403047	125	2920	4412822	128	5840	4646005	132
5452	6136424110	121	2710	5973129	125	2920	5985066	128	5840	LR002447	132
5453	6136424210	121	2710	7565813	125	2920	7633752	128	5841	4646004	132
5454	6207414110	121	0248	5973128	125	2914	7766564	128	0098	STC2156	133
5454	50222985	121	0248	4315062	125	2915	7766565	128	0099	STC2149	133
5455	6209414210	121	0254	4293992	125	2915	60674496	128	0670	ERR1157	133
5455	6209414210	121	0254	4359309	125	2914	7766564	129	0671	ERR1156	133
5455	6204414210	121	0254	5975341	125	2916	7735898	129	0677	LGH101450	133
5455	50222984	121	0254	7597080	125	2917	46417653	129	0677	LGH101450	133
5455	52409645	121	0255	4300760	125	2917	7735899	129	0678	ERR6611	133
5456	6136414110	121	0319	7609772	125	2921	46403681	129	0679	ERR6612	133
5457	6136414211	121	0320	7617500	125	2922	46471639	129	6008	LGH000030	133
5460	6209414110	121	0462	82316779	125	2926	55194993	129	6009	LGH000040	133
5460	58234197	121	0463	82399550	125	2927	55194994	129	2258	0948E5	133
5310	1G89613110	122	0463	82336458	125	2928	55194219	129	2259	0949E1	133
5311	1G89613120	122	0635	7910245390	126	2929	55200422	129	1798	51041010574	134
5458	50222606	122	0637	7910246494	126	2940	55229666	129	1798	51041010575	134
5458	6150414111	122	0840	9605936180	126	2941	55231897	129	1799	51041010546	134
5459	6150414210	122	0841	9611782880	126	2948	46533298	129	2270	1311281	134
5459	50222607	122	0854	9628943380	126	0844	9600781780	130	2271	1316137	134
5161	15451-13112	122	0855	9629861180	126	0845	9604295780	130	2271	1520918	134
5162	15451-13122	122	0875	9623950380	126	0856	9624774280	130	6515	3142H071	134
15047	15221-13110	122	0876	9636001780	126	0857	9624774580	130	6516	3142A151	134
15048	15221-13212	122	1400	60810666	126	2946	9630441380	130	5226	20833932	134
15050	15261-13110	122	1400	60663241	126	2947	9640181380	130	5227	20980413	134
15051	15261-13210	122	1400	55186770	126	0879	9627184380	130	5494	1371131100	134
15256	671304C2	122	1401	60560644	126	0880	9634437580	130	5495	1371531120	134
15257	341057R2	122	1401	60810667	126	0881	9635317980	130	5496	1371150060	135
0258	21011007010	123	2644	05184127AC	126	0882	9635318480	130	5497	1371550060	135
0258	4183269	123	2645	05184128AE	126	1404	60814605	130	5498	1371170060	135
0259	21011007012	123	2652	55225886	127	1404	46750859	130	5499	1371570080	135
0259	4183270	123	2653	55225887	127	1404	55193126	130	5522	1371120020	135
15259	15393-13110	123	2662	55185028	127	1405	46783962	130	5523	1371520020	135
15260	15393-13120	123	2663	55185080	127	1405	60814604	130	1512	20180250	135
15261	14601-13110	123	2663	55206233	127	1398	55195535	131	1513	20180240	135
15262	14601-13120	123	2663	55239748	127	1398	46802049	131	5492	137110R010	135
15273	1C01013113	123	2670	46436048	127	1399	55202557	131	5493	137150R010	135
15274	1C01013122	123	2670	7770334	127	2647	55190248	131	5524	1371146022	135
15275	1G67313110	123	2682	5942727	127	2654	55205125	131	5524	1371146021	135
15276	1G67313120	123	2682	7666228	127	2658	55206431	131	5525	1371546020	135
2148	642758	123	2683	46514754	127	2659	46787902	131	5532	137110T010	135
2149	642858	123	2683	7666227	127	2659	55207955	131	5533	137150T010	135
0816	094894	124	2683	7666227	127	2659	55205183	131	0860	LGH10029	136
0821	094947	124	2683	5942728	127	2659	46787902	131	0861	LGH101190	136
2815	21081007010	124	2686	7574739	127	2659	55207955	131	1608	51041010509	136
2816	210811007010	124	2686	7722907	127	2677	55190249	131	1609	51041010501	136
2817	21081007012	124	2687	7574742	127	2658	55206431	131	1614	51041010314	136
2818	21121007010	124	2687	7598073	127	2659	55207955	131	1616	51041010286	136
2819	21121007012	124	2687	7650916	127	2672	7798620	131	1616	51041010399	136
0220	4259853	124	2687	7611673	127	2673	7783225	131	1625	51041010375	136
0220	4265695	124	0254	4293992	128	2692	7301821	131	1625	51041010478	136
0220	5959564	124	0254	4359309	128	2692	7302157	131	1625	51041010348	136
0221	4274135	124	0254	4469661	128	2694	7547158	131	1626	51041010479	136
0221	4377979	124	0254	5953041	128	2694	5990532	131	1626	51041010367	136
0221	5959563	124	0254	5975341	128	2695	5990533	131	1626	51041010447	136
0221	5963326	124	0254	7597080	128	2705	4757358	131	2194	LGH10064	136
0221	5973130	124	0254	7631719	128	2705	7301820	131	2195	LGH10065	136
0247	5999660	124	2707	4412816	128	2692+0,6T	4826033	131	5532	1371137020	136
0247	4239917	124	2707	5997328	128	2695+0,6T	7588577	131	5533	1371537030	136
0247	4460697	124	2707	7633751	128	2924	46518930	132	1626	51041010447	137
0248	4314869	124	2719	46406169	128	2924	55219793	132	1626	51041010367	137
0248	4315062	124	2719	7031135	128	2925	46518931	132	1628	51041010334	137
0248	5973128	124	2719	4440061	128	2925	55208213	132	1630	51041010422	137
0248	96700315	124	2719	7547400	128	0860	LGH10029	132	1630	51041010425	137
0253	4173746	125	2910	7712114	128	0861	LGH10028	132	1631	51041010410	137
0253	4255694	125	2911	46413334	128	2194	LGH10064	132	1631	51041010411	137
0253	4255779	125	2912	46462158	128	2195	LGH10065	132	1631	51041010410	137
0254	7597080	125	2912	46517325	128	2195	LGH101360	132	1631	51041010411	137
0254	7631719	125	2912	46761369	128	2944	55195680	132	1632	51041010417	137
0254	5975341	125	2913	46761370	128	2944	46518930	132	1633	51041010482	137
0254	5953041	125	2913	46462159	128	2945	46518931	132	1634	51041010483	137

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1635	51041010547	137	6521	732101M1	141	3497	G61212121	146	2735	1160500127	150
1636	51041010548	137	1262	C60112111	142	3500	YF0912111	146	2734	1160500326	151
1796	51041010523	137	1263	C40112121	142	3501	YF0912121	146	2734	1160500426	151
1797	51041010524	137	1263	C40112121	142	3502	AJ0312111	146	2735	1160500127	151
0860	LGH10029	138	1277	C40112111A	142	3503	AJ0312121	146	2735	1160500027	151
0861	LGH101190	138	1313	C20112111	142	3504	ZJ0112111A	146	2737	1020500426	151
1798	51041010574	138	1313	1E0612111	142	3505	ZJ0112121	146	2737	1020500526	151
1798	51041010575	138	1314	C20112121	142	3505	ZJ0112121A	146	2737	1020501601	151
1799	51041010546	138	1315	LF0112111	142	3505	ZJ0112121B	146	2737	1020501801	151
1799	51041010606	138	1316	LF0112121	142	3506	ZY0112111A	146	2737	1020530901	151
2194	LGH10064	138	1316	LF0212121	142	3507	ZY0112121	146	2737	1020531801	151
2194	LGH20065	138	1317	1324691	142	3507	ZY0112121A	146	2738	1020500027	151
2195	LGH101360	138	1317	L80112111	142	3507	ZY0112121B	146	2738	1020500327	151
2345	51041010515	138	1317	1211483	142	3510	L3K912111	147	2738	1020500027	151
2345	51041010516	138	1318	1324690	142	3511	L3K912121C	147	2738	1020500327	151
2345	51041010537	138	1318	L80112121C	142	3514	1E0512111	147	2739	1020500326	151
2346	51041010498	138	1331	1E0312121	142	3515	1E0512121	147	2739	1020531701	151
2346	51041101506	138	1332	1E0312111	142	3516	Z50112111C	147	2739	1020530801	151
2346	51041010538	138	1658	F60112111	143	3516	Z50112111A	147	2739	1020531501	151
0674	LGH100990	138	1659	F60112121	143	3517	Z50112121	147	2740	1000500901	151
0675	LGH100980	138	1662	029012111C	143	3518	KL0112111A	147	2741	1000500127	151
0677	LGH101450	138	1663	D2726505A	143	3519	KL0112121	147	2743	1030532301	151
0677	LGH101450	138	1663	030512121	143	3520	JE2612111	147	2743	1030531601	151
5194	622604600054	139	1664	B630012111	143	3521	JE2612121	147	2743	1030532101	151
5195	630804600024	139	1665	B630012121	143	3522	057112111	147	2744	1030501327	151
5195	622604603024	139	1668	F80112111A	143	3523	057112121	147	2729	1170500027	152
5198	620704603024	139	1669	F80412121	143	3524	KJ0112111	147	2729	1170500127	152
5198	630804600014	139	1669	F80112121A	143	3525	KJ0112121A	147	2745	1030532001	152
5198	630504600044	139	1670	024912111A	143	3526	B3C712111A	148	2745	1030531301	152
5199	630504600034	139	1671	024912121A	143	3527	B3C712121A	148	2746	1030500527	152
5199	620704603014	139	1674	032412111A	143	3527	B3D212121A	148	2746	1030501727	152
5200	622804603014	139	1675	048812121	143	3528	ZL012111	148	2755	1020530601	152
5230	622604605014	139	1675	032412121A	143	3529	ZL012121	148	2756	1020500127	152
5231	622604607014	139	1676	055212111	144	5112	E5D312111	148	2756	1020500427	152
5232	622604605034	139	1677	055212121A	144	5113	E35812121	148	2758	1020531001	152
5232	622604607034	139	1678	063612111	144	0894	Y40112111	148	2758	1020531401	152
5320	961004600014	139	1680	063612121	144	0895	Y40112121	148	2759	1020500827	152
5321	961004600024	139	1680	052712121	144	0898	Y60112111	148	2759	1020501127	152
0790	690GC2187B	140	1690	F20212111	144	0899	Y60112121	148	2759	1020500627	152
0790	690GC2187A	140	1690	F20112111	144	1283	WE0112111	148	2760	1170500126	152
0791	688GC2352A	140	1691	F20112121	144	1283	6M346507AA	148	2764	1040530801	152
5322	12275153	140	1691	F20112121B	144	1283	1449108	148	2764	1040531001	152
5323	12275154	140	1691	F20112121A	144	1284	WE0112121	148	2765	1040501427	152
5324	623404600014	140	1696	B54112111	144	1284	6M346505AA	148	2766	1190530401	152
5325	623404600064	140	1697	B54112121	144	1284	1449109	148	2766	1190530501	152
5326	623404600054	140	1698	BP4W12111	144	1710	RF0112111	149	2767	1190500527	152
0792	690GC2193	140	1698	BP0512111	144	1711	RF0112121B	149	2768	1190530801	152
0793	688GC337A	140	1698	BP0612111	144	1712	RF2A12111	149	2768	1190531801	152
0794	690GC2210	140	1699	BP4W12121	144	1713	RF2A12121	149	2775	1190501027	152
0795	688GC2378	140	1699	BP0512121A	144	1713	RF5C12121	149	2775	1190500927	152
0796	690GC2200	140	2510	FS0112111B	144	1714	WL0112111	149	2770	1110530201	153
0797	688GC2373	140	2510	FS0112111C	144	1714	WL5112111	149	2770	1110530101	153
1151	690GC342	140	2511	FS0112121B	144	1715	WL5112121A	149	2771	1110500527	153
1152	688GC344	140	2511	FS0112121A	144	1715	WL0112121	149	2772	1110531101	153
1153	690GC425A	140	2526	B65712111	145	1716	RF5C12111	149	2772	1110532101	153
1154	688GC416	140	2526	B6MC12111	145	3530	R2AA12111	149	2773	1110501427	153
2345	51041010537	141	2527	B69512121B	145	3531	R2AA12121	149	2773	1110501227	153
2346	51041010538	141	2527	BJ0112121	145	3534	SH0112111	149	2763	1040501027	153
0185	826244M1	141	2527	B66012121	145	3535	SH0112121A	149	2763	1040501727	153
0186	826245M1	141	3480	PE0112111	145	3535	SH0112121D	149	2772	1040531201	153
0580	731151M1	141	3481	PE0112121	145	2723	1100500726	150	2772	1040531401	153
0580	732811M1	141	3487	BP0112111	145	2725	1100500027	150	2774	1190531201	153
0581	731152M1	141	3488	BP0112121	145	2728	1160500226	150	2775	1190500927	153
0581	737640M1	141	3489	JE0112111	145	2728	1160500126	150	2775	1190501027	153
0585	0910060	141	3490	B36612111	145	2728	1160500226	150	2782	1660530101	154
0586	734106M1	141	3491	B36612121	145	2728	1160500126	150	2783	1660500327	154
0587	733819M1	141	3492	ZL0212111	145	2728	1160500126	150	2784	1130530001	154
0588	733818M1	141	3493	ZL0212121	145	2728	1160500226	150	2785	1130500127	154
4400	2401007014B7	141	3494	KF0112111A	146	2729	1170500127	150	2786	1660530201	154
4400	2401007014B4	141	3495	K80112121	146	2729	1170500027	150	2787	1660500427	154
4400	2401007014B9	141	3495	KF0112121	146	2732	1110530401	150	2786	1660530201	154
4401	2401007015B6	141	3496	G60112111	146	2732	1110530301	150	2788	1130530101	154
4401	2401007015B7	141	3497	G60112121	146	2733	1110500627	150	2788	1130530501	154
4401	2401007015B9	141	3497	G60212121	146	2735	1160500027	150	2789	1130500227	154

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3252	2660530105	154	2663	6260500800	158	1429	MD016461	163	0715	M889131	167
3252	2660500027	154	0154	3460530001	159	1432	MD070691	163	0715	M852146	167
3250	1600530001	155	0154	3460530101	159	1433	MD070694	163	0726	MW30620685	167
3250	1600530101	155	0155	3460530005	159	1433	MD070693	163	0727	MW30620686	167
3251	1600500027	155	0155	3550500127	159	3415	11347791054	163	1434	MD050552	167
3251	1600500327	155	0155	3460530105	159	3416	11347791055	163	1435	MD050543	167
3253	2710530001	155	2051	3550530001	159	9400	11347812618	163	1440	MD083661	167
3254	2710500027	155	2052	3550530005	159	9401	11347812616	163	1440	MD083657	167
3254	2710500427	155	2052	3550500027	159	1442	2221133000	164	1441	MD083662	167
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3255	2710530601	155	4218	5175396AA	159	1442	MD127847	164	1599	MD198404	167
3256	2710500627	155	4219	6420500527	159	1443	MD127841	164	1600	MD198406	167
3257	2720530801	155	4219	5175397AA	159	1443	MD127848	164	1601	ME200050	168
3257	2720530201	155	2730	4230500026	159	1443	2221233000	164	1602	ME200051	168
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3258	2720500227	155	2731	4230500427	159	2518	MD135479	164	2482	ME013810	168
3258	2780500427	155	2731	4230500327	159	2518	MD172315	164	2483	ME220217	168
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3286	2780500126	156	2777	9060500327	160	4201	MD199193	165	0448	1320100QAA	169
3287	2760500027	156	3271	4700500626	160	4201	MD306183	165	0449	1320200QAA	169
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2796	6600530101	158	3408	11347829943	162	6130	MD162423	166	1224	132014M700	171
2796	Q0004570V003	158	3408	11347513024	162	6131	MN163799	166	1224	1320171J00	171
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1226	1320170J00	171	3617	13202ED000	174	2897	13202BN300	178	2169	641394	181
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1705	1320200QAK	171	3641	132020Z800	176	0556	641015	179	2351	55572519	182
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2828	13202D01100	172	0727	1320200QAN	176	0572	90409992	179	2661	641391	182
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2866	132012J202	172	1719	132022W200	176	2060	641008	180	0099	641346	183
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3603	132021F700	173	2891	1320251N00	177	2149	90281715	180	2155	641353	184
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3605	132029E000	173	2891	132027F400	177	2164	642667	181	2172	641044	184
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3606	13201BM505	174	2892	1320160J03	177	2165	641306	181	2173	641300	184
3607	13202BM500	174	2893	1320260J02	177	2168	55557781	181	2173	641322	184

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2188	642168	184	0591	BDU1399	187	0625	7910006855	190	0892	094875	195
2188	641068	184	0591	LGH10036	187	0625	094933	190	0893	094981	195
2188	55353375	184	0592	BDU1400	187	0629	094832	190	0896	0948C8	195
2188	642165	184	0592	LGH10037	187	0635	094836	191	0897	0949C4	195
2189	642208	184	2906	1457503	187	0635	094836	191	1706	094885	195
2189	642211	184	2907	4803849	187	0637	094930	191	1707	094991	195
2189	641381	184	2907	1457499	187	0637	094932	191	2010	094871	195
2189	12992480	184	2907	3142A101	187	0659	094938	191	2010	094862	195
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2314	642027	184	4033	3142A181	187	0696	094851	191	2011	094978	195
2315	641400	184	4034	3142H101	187	0696	3780600	191	2012	094861	195
2315	641086	184	4035	3142A171	187	0696	131336	191	2013	094977	195
2316	96440147	185	5443	31431731	187	0696	553421	191	2013	094962	195
2316	4805321	185	0577	3142A051	188	0697	3781100	191	2014	094856	196
2316	96951454	185	0577	3142A051	188	0697	131337	191	2015	094957	196
2316	4817354	185	0587	31431315	188	0697	554682	191	2015	094957	196
2317	96440148	185	0587	31431103	188	0818	094857	191	2250	0948E8	196
2317	4805322	185	0587	31431641	188	0819	094958	191	2251	0949E2	196
2317	4817338	185	0587	31431311	188	1273	094961	191	2252	0948A6	196
2317	96951455	185	0587	31431351	188	0817	094948	192	2253	0948E2	196
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2362	4423068	185	0588	31431109	188	0833	138851	192	2947	0949A5	197
2362	95517881	185	0588	31431104	188	0833	094953	192	3404	0948F9	197
2363	4423303	185	2905	31431701	188	0833	9751668880	192	3405	0949F6	197
2363	95518256	185	5080	3142L051	188	0834	094852	192	4224	0948F2	197
2363	4423067	185	5080	3142L071	188	0834	9751651580	192	4225	0949E7	197
2363	95517880	185	5082	3142L072	188	0836	094848	192	0616	094827	197
2658	641464	185	5438	3142H002	188	0837	094949	192	0616	094841	197
2658	55565261	185	5441	1888640	188	0840	094866	192	0617	094925	197
2659	641465	185	5442	1529857	188	0841	094976	192	0617	094939	197
2659	641106	185	6502	3142L081	188	0841	094966	192	0617	094925	197
2659	55565262	185	6502	3142L088	188	0841	094972	192	0626	094837	197
2671	99432873	186	6503	3142D051	188	0842	094867	193	0814	9603345480	198
2705	7301820	186	6506	3142D041	188	0843	094967	193	0814	094874	198
2705	7301820	186	6507	3142D031	188	0838	094858	193	0815	094980	198
2924	641072	186	0102	094864	189	0839	094959	193	0816	094859	198
2924	641077	186	0103	094965	189	0839	094959	193	0816	094863	198
2924	4708612	186	0600	094839	189	0839	094959	193	0816	094894	198
2924	93193443	186	0601	094934	189	0839	094959	193	0821	094973	198
2924	642028	186	0601	094936	189	0849	094891	193	0821	094974	198
2925	641071	186	0601	094944	189	0850	094865	193	0821	094960	198
2925	641402	186	6513	3142H041	189	0850	094873	193	0821	094947	198
2925	4708613	186	6514	3142D061	189	0851	094970	193	0821	094964	198
2925	93193444	186	6515	3142H071	189	0854	094886	193	0820	094846	198
2944	641475	186	6516	3142A151	189		(to 7664)		0820	9751668980	198
2944	642052	186	0610	094834	189	0854	094892	193	0821	094947	198
2945	641101	186	0611	094921	189		(from 7665)		0821	094960	198
3652	4431242	186	0611	094921	189	0855	094992	193	0821	094964	198
3652	4420439	186	0611	094927	189	0855	0949A6	193	0821	094973	198
3652	93168105	186	0618	094829	189	0872	094893	193	0821	9751669380	198
3653	4431241	186	0618	094833	189	0873	0948A4	193	0822	094840	198
3653	93161681	186	0618	094855	190	0874	0949A4	193	0823	094937	198
3653	7701476595	186	0619	094955	190	0875	094899	194	0844	094868	199
3910	641042	186	0619	094956	190	0876	094999	194	0845	094968	199
5101	641352	186	0619	094969	190	0876	094999	194	0846	094884	199
4400	2401007014B7	187	0620	094830	190	0877	0948A7	194	0847	094990	199
4400	2401007014B4	187	0621	094923	190	0877	0948C6	194	0848	0948F6	199
4400	2401007014B9	187	0621	094928	190	0878	0949C2	194	0880	0949F1	199
4401	2401007015B6	187	0621	094923	190	0878	0949A7	194	0880	0949A3	199
4401	2401007015B7	187	0621	094928	190	0883	0948A1	194	0825	094945	199
4401	2401007015B9	187	0622	094831	190	0883	0948C5	194	0852	094872	199
0578	31431681	187	0622	7910030957	190	0883	0948A1	194	0853	9610612480	199
0579	31431761	187	0623	094929	190	0884	0949A2	194	0853	094979	199
0589	31431741	187	0623	094931	190	0887	094882	194	0853	094993	199
0589	31431281	187	0623	91502890	190	0888	094987	194	0856	094895	199
0590	31431941	187	0624	7910010826	190	0859	0949A8	194	0857	094996	199
0590	31431271	187	0624	7910025377	190				0824	094849	200

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0824	094853	200	5292	5010450590	203	0640	6001548030	206	0650	7700738494	209
0825	094950	200	5292	5000676258	203	0641	7701465090	206	0650	7700702871	209
0879	0948A3	200	5292	5000667939	203	0641	7701468419	206	0651	7701462814	209
0880	0949A3	200	5293	5010359501	203	0641	7700865934	206	0651	7701462814	209
0880	0949F1	200	5294	5010412164	203	0641	7700865832	206	0651	7700696117	209
0881	0948C0	200	0402	7700565824	204	0641	6001548029	206	0654	7701468035	209
0881	0948C0	200	0402	7701458152	204	0652	7700713788	206	0714	7701468190	210
0882	0949A9	200	0638	6075981100	204	0652	7701463081	206	0714	7701471704	210
0882	0949A9	200	0638	5555751	204	0653	7700713790	206	0714	7701471704	210
0885	094881	200	0639	5555263	204	0653	7701463082	206	0714	7701469369	210
0885	094898	200	0639	7701458195	204	0659	7701464794	206	0715	7701468193	210
0886	094986	200	0639	7700555263	204	0659	7701460148	206	0715	7701469371	210
0894	0948C2	200	5295	5010284847	204	0659	7701460143	206	0715	7701468623	210
0895	0949B1	200	5296	5010284848	204	0659	7700733512	206	0717	7701471705	210
0898	0948C7	200	5297	7420540013	204	0659	7700644709	206	0717	7701469373	210
0899	0949C3	200	5297	7420540017	204	0659	7700740221	206	0720	7701468169	210
1271	0948E6	200	5298	7420564020	204	0659	7700701645	206	0720	7701469684	210
1271	9675708880	200	5298	7421430918	204	0407	7701461802	207	0721	7701468170	210
1272	0949E3	200	0405	7701458180	204	0407	7701463181	207	0721	7700859517	210
1272	9675709680	200	0405	7701458186	204	0407	6001004967	207	0726	7701476024	210
2258	0948E5	201	0405	7700561318	204	0407	7700638247	207	0726	7700110387	210
2258	9676718180	201	0405	7701458180	204	0407	7700666112	207	0726	7701471702	210
2259	0949E1	201	0405	7701458186	204	0407	7700677772	207	0727	7701476025	210
2259	9676718280	201	0407	6001004967	204	0407	7701460690	207	0727	7701471703	210
2259	0949G2	201	0407	7701463181	204	0407	7701461214	207	0727	7700110389	210
2270	0948E1	201	0407	7701461802	204	0655	7701462137	207	1702	7701473184	210
2271	0949C6	201	0407	7701461214	204	0655	7700682064	207	1702	7701476573	210
2272	0948G1	201	0407	7701460690	204	0658	7701464556	207	1702	132011980R	210
2273	0949F7	201	0407	7700677772	204	0659	7701464557	207	1703	7701473183	210
2274	0948F7	201	0407	7700638247	204	0708	7701465495	207	1703	7701476572	210
2275	0949F5	201	0407	7700666112	204	0710	7701465496	207	1703	132024905R	210
2668	094896	201	0648	7700648969	204	0711	7701465497	207	1708	7701472669	210
2671	0949A0	201	0648	7700509771	204	0712	7701466606	207	1709	7701472670	210
2700	094845	201	0649	7700560792	204	0713	7701466607	207	1718	7701475382	211
2701	094946	201	0649	7701458190	204	0798	7701471780	207	1719	7701475381	211
2705	0948A2	202	0649	7701460256	204	0799	7701471781	207	2669	7701467249	211
2410	20712128	202	0406	7700639627	205	0800	7701468960	208	2692	7701203675	211
2410	21428655	202	0406	7701460699	205	0800	7700112413	208	2705	7701462678	211
2671	5001836573	202	0407	7700638247	205	0801	7701468961	208	2705	7701463603	211
2692	7301821	202	0407	7700666112	205	0801	7700112412	208	2705	7701463603	211
2705	7701463603	202	0407	7700677772	205	0802	7701468861	208	2705	7701463603	211
2705	7701030863	202	0407	7701460690	205	0802	7700865550	208	2705	7701463603	211
5189	21428679	202	0407	7701461214	205	0803	7701468862	208	2705	7701463603	211
5189	21428675	202	0407	7701461802	205	0803	7700865551	208	2705	7701463603	211
5640	0948F1	202	0407	7701463181	205	0806	7701469266	208	2362	132017444R	211
5640	0948G7	202	0407	6001004967	205	0807	7701469269	208	2362	132010370R	211
5641	0949E6	202	0412	7700690577	205	1006	7701471279	208	2363	132024894R	211
5641	0949G1	202	0412	7701462385	205	1006	7701474287	208	2363	132027372R	211
5048	5000681141	203	0414	7701465172	205	1007	7701473101	208	3652	7701476596	211
5048	5010295349	203	0415	7701465173	205	1007	7701471280	208	3652	132012274R	211
5048	5000663529	203	0448	7701472124	205	1007	7701474286	208	3653	7701476595	211
5048	5000658408	203	0448	7701471378	205	1704	7701472986	208	0860	LGH10029	212
5048	5000663520	203	0449	7701473355	205	1705	7701473004	208	0860	LGH10029L	212
5048	5000663530	203	0449	7701471379	205	1705	7701477875	208	0861	LGH100820	212
5053	153694	203	0449	7701473354	205	1706	094885	208	0861	LGH101190	212
5053	153695	203	0530	7438610007	205	1707	094991	208	0861	LGH10028	212
5054	153693	203	0531	7438610008	205	3618	13201EN20A	209	0862	WAM4002	212
5054	5000670206	203	0624	7701459824	205	3619	13201EN20A	209	0863	LGH101180	212
5054	5000670730	203	0624	7910025377	205	5288	132017322R	209	0863	WAM4003	212
5054	153692	203	0625	7701459825	205	5288	132013562R	209	0890	LGH101060	212
5054	5000670730	203	0625	7910025379	205	5289	132027223R	209	0890	LGH10020	212
5054	5000663527	203	0635	7700635409	206	5289	132025379R	209	0891	LGH10049	212
5054	5000663464	203	0635	7700644710	206	6411	7701474099	209	0891	LGH101000	212
5054	5000670121	203	0635	7700709794	206	6412	7701474100	209	0891	LGH101140	212
5054	5000670206	203	0635	7701460147	206	0630	7701461338	209	1957	TAM1058	212
5054	5000663528	203	0635	7701463786	206	0630	7701462232	209	1958	TAM1061	212
5186	5000678873	203	0635	7701465325	206	0630	7701462232	209	2070	ETC4067	212
5187	5000678652	203	0635	7910245390	206	0630	7700692312	209	2071	ETC5866	212
5291	5010450589	203	0637	7910245802	206	0630	7700663545	209	2194	LGH10064	213
5291	5000676035	203	0637	7900000681	206	0631	7700663546	209	2195	LGH10065	213
5291	5000676035	203	0637	7701463787	206	0631	7701461339	209	2195	LGH101360	213
5291	5010553049	203	0640	7701465088	206	0650	7701465107	209	3407	11341485585	213
5291	5000667762	203	0640	7700273371	206	0650	7701466716	209	3407	11347829955	213
5292	5010553312	203	0640	7700853390	206	0650	7701462813	209	3407	11347513019	213

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3408	11347829943	213	2352	641067	217	3127	06D109611T	221	3101	036109611L	226
3408	11347829944	213	2353	641380	217	3009	030109611A	221	3102	036109601AD	226
3408	11347513020	213	5163	2032823	217	3130	03F109601A	221	3102	036109601S	226
5606	FDU1485	213	5163	2026052	217	3131	03F109611B	221	3103	036109611K	226
5606	LGH101100	213	1011	1887056	217	3131	03F109611C	221	3104	030109601AG	226
5607	FDU1487	213	1011	1886946	217	3147	04E109601	221	3105	030109611N	226
5607	LGH101110	213	1013	1854801	217	3148	04E109611L	221	3114	06B109601D	226
5804	LGH101310	213	1013	1781847	217	5240	030109601L	221	3115	06B109611C	226
5805	LGH101330	213	1014	1854802	217	5240	030109601J	221	3126	06D109601K	226
5840	4646005	213	1015	1386647	218	5242	032109601G	221	3126	06E109601E	226
5840	LR002447	213	1016	1903846	218	5243	030109611G	221	3126	06D109601M	226
5841	4646004	213	1020	272804	218	5243	032109611G	221	3127	06D109611K	226
6008	LGH000030	213	1020	1361190	218	5245	030109611D	221	3127	06D109611L	226
6009	LGH000040	213	1020	1361192	218	5245	030109611D	221	3127	06D109611T	226
0098	STC2156	214	1020	1361192	218	5246	030109601AH	221	3130	03F109601A	226
0099	STC2149	214	1020	272804	218	5246	030109601AD	221	3131	03F109601B	226
0670	ERR1157	214	1020	1361190	218	1948	028109601H	222	3131	03F109601C	226
0671	ERR1156	214	1021	243477	218	1949	046109611F	222	2970	028109601D	227
0671	ERR1156	214	1021	1361197	218	2711	4368843	222	2971	028109611G	227
0672	ERR3777	214	1021	243477	218	2712	4368845	222	2972	028109601B	227
0674	LGH100990	214	1021	1361197	218	2712	5996615	222	2972	028109601C	227
0675	LGH100980	214	1022	270247	218	2970	028109601D	222	2973	028109611E	227
0677	LGH101450	214	1023	1360834	218	2971	028109611G	222	3106	028109601J	227
0677	LGH101450	214	1023	232018	218	3043	069109601F	222	3107	028109611K	227
0678	ERR6611	214	1023	232018	218	3043	069109601H	222	3147	04E109601	227
0679	ERR6612	214	1023	232018	218	3045	074109611	222	3148	04E109611L	227
0816	LGH10053	215	1023	1360834	218	5245	030109611D	222	5243	032109611G	227
0816	LGH10051	215	1028	391608	218	5248	030109601G	222	5246	030109601AH	227
0821	LGH10052	215	1028	1319081	218	3106	028109601J	222	5246	030109601AD	227
0821	LGH10054	215	1029	1360833	218	3107	028109611K	222	3108	059109601B	227
0821	LGH10075	215	1029	366256	218	3110	038109601B	223	3108	059109601C	227
2270	1311281	215	1029	278102	218	3111	038109611B	223	3109	059109611B	227
2271	1316137	215	1132	058109601C	218	3111	038109611F	223	3110	038109601B	228
2271	1520918	215	1132	058109601C	218	3118	03G109601A	223	3111	038109611B	228
2170	4500849	215	1133	058109611M	218	3119	03G109611B	223	3111	038109611F	228
2170	4500849	215	1133	06B109611D	218	3120	03G109601B	223	3120	03G109601B	228
2171	4500864	215	1135	058109611E	218	3121	03G109611D	223	3121	03G109611D	228
2184	641048	215	2976	04E109601A	219	3132	038109601E	223	3122	059109601F	228
2185	641357	215	2977	04E109611K	219	3133	038109611E	223	3123	059109611G	228
3415	11347791054	215	2978	04E109601B	219	3142	03L109601	223	3132	038109601E	228
3416	11347791055	215	2979	04E109611J	219	3143	03L109611	223	3133	038109611E	228
4005	90410816	215	2980	053109611	219	3144	03L109601A	223	3138	059109601G	228
2192	12786696	216	3016	035109601K	219	3145	03L109611A	223	3139	059109611K	228
2193	12791961	216	2980	053109611	219	3142	03L109601	224	3142	03L109601	228
1398	93178587	216	3038	078109601B	219	3143	03L109611	224	3143	03L109611	228
1399	93178588	216	3038	078109601E	219	0680	114020249	224	3144	03L109601A	229
2188	642168	216	3038	037109601	219	0680	441012093466	224	3144	04L109601A	229
2189	642211	216	3038	078109601A	219	0680	047109601	224	3145	03L109611A	229
3706	12601762	216	3038	078109601A	219	0681	441012093476	224	3145	04L109611A	229
4003	7500085	216	3039	048109611B	219	0681	114020266	224	3248	1320530001	229
4003	9165598	216	3039	037109611B	219	0681	047109611	224	3248	1010A124	229
4004	9165580	216	3040	027109601C	219	1132	058109601C	224	3249	1320530005	229
4006	9185851	216	3041	027109611D	219	1132	058109601C	224	3249	1011A078	229
4007	9399965	216	3042	026109601A	219	1133	058109611M	224	3250	1600530001	229
4007	9179219	216	3042	026109601C	219	1133	058109611M	224	3251	1600500027	229
4008	12601763	216	3062	051109601B	220	1133	058109611M	224	2796	6600530101	229
1010	294674	217	3063	051109611B	220	1133	06B109611D	224	2797	6600530005	229
1010	352212	217	3080	030109601AK	220	1135	058109611E	224	3261	1350530001	229
1010	352211	217	3081	030109611S	220	2960	047109601D	225	3262	1350530005	229
1010	1360836	217	3098	030109601AL	220	2961	047109611D	225	4218	05175396AA	229
1010	294674	217	3098	030109601AL	220	2962	047109601F	225	4219	05175397AA	229
1010	1360836	217	3099	030109601T	220	2963	047109611B	225	1178	1342220	230
1011	1887056	217	3102	036109601S	220	2976	04E109601A	225	1179	1362696	230
1019	324675	217	3102	036109601AD	220	2977	04E109611K	225	1625	51041010478	230
1019	1361191	217	3103	036109611K	220	2978	04E109601B	225	1626	51041010479	230
1019	289483	217	3104	030109601AG	220	2979	04E109611J	225	1630	51041010425	230
1021	243477	217	3105	030109611N	220	3038	078109601B	225	1631	51041010410	230
1021	1361197	217	3114	06B109601D	220	3038	078109601E	225	2290	1684513	230
1023	1100997	217	3114	06B109601H	220	3039	048109611B	225	2291	1678541	230
1023	1397521	217	3115	06B109611C	220	3097	03D109601B	225	2772	1110531101	230
1023	1116987	217	3126	06D109601K	221	3097	032109601L	225	2773	1110501227	230
1023	232018	217	3126	06E109601E	221	3099	03D109611A	225	2773	1110501257	230
1023	1360834	217	3126	06D109601M	221	3099	030109611T	225	5626	1404919	230
1023	352347	217	3127	06D109611L	221	3100	036109601P	226	5627	1404918	230

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3290	6650500427	231	2540	1291182010	235	1780	1371525011	240	5535	1371588601	244
3291	6650530401	231	2541	1291582000	235	1782	1371538020	240	5536	1371122030	244
2723	1100500726	231	2541	1291582062	235	1782	1371534010	240	5537	1371522030	244
2729	1170500127	231	2541	1291582050	235	1782	1371534032	240	5538	1371147010	244
2729	1170500027	231	2542	1291160A10	235	1789	1371134010	240	5539	1371547010	244
2737	1020531601	231	2543	1291560A50	235	1810	1371123030	240	6094	1371150020	244
2737	1020531801	231	2576	12911M72F10	235	1810	137110J010	240	6095	1371550020	244
2738	1020500327	231	2577	12915M72F10	235	1810	1371197401	240	0816	SU00100100	245
2738	1020500327	231	2578	12911M84400	235	1811	1371597401	240	0821	SU00100101	245
2739	1020531501	231	2579	12915M84440	235	1811	1371523030	240	0894	SU00100551	245
2739	1020531701	231	2936	1291154G00	235	1811	137150J010	240	0895	SU00100552	245
2747	6010531501	231	2937	1291554G00	235	1812	1371121010	240	1790	1371154020	245
2747	6010531901	231	2937	1291554G50	235	1813	1371521010	240	1790	1371154020	245
2748	6010502527	231	3628	93193754	236	1814	137110D020	240	1795	1371567020	245
2748	6010502827	231	3628	1291151K00	236	1814	1371122040	240	1818	1371127010	245
3292	6010531801	231	3628	4708925	236	1815	1371522040	240	1819	1371527010	245
3293	6010502627	231	3629	93193762	236	1815	137150D010	240	1820	1371117020	245
0163	6160530301	232	3629	4708933	236	1815	137150D020	240	1820	1371117021	245
0163	6160530401	232	3629	1291587L50	236	1816	1371128030	241	1821	1371517030	245
0164	6160500027	232	3802	1291171C00	236	1816	1371128010	241	2546	1371148010	245
0164	6160500527	232	3802	1299171C00	236	1817	1371528030	241	2547	1371548010	245
2540	1291182010	232	3803	1291571000	236	1817	1371528010	241	2548	1371164030	245
2541	1291582062	232	3803	1291571C50	236	2253	1371140040	241	2548	1371164020	245
2745	1030531301	232	3840	1291173G00	236	2254	1371540040	241	2548	1371164011	245
2745	1030532001	232	3841	1291573G00	236	2552	1371135010	241	2548	1371164010	245
2746	1030501727	232	3842	1291169G00	236	2553	1371535020	241	2549	1371564010	245
2746	1030500527	232	3843	1291569G50	236	2558	1371171010	241	1794	1371564030	246
2747	6010530401	232	3848	1291186FA0	236	2559	1371571010	241	1794	1371564040	246
2747	6010531201	232	3849	1291586F50	236	3830	1371175110	241	3415	1371133030	246
2748	6010501227	232	3852	1291169L00	237	3831	1371575100	241	3415	1371133031	246
2748	6010502127	232	3853	1291569L00	237	5123	1371110020	241	3416	1371533040	246
2770	1110530201	232	3853	1291569L50	237	5124	1371510030	241	3416	1371533041	246
2771	1110500527	232	0726	1291067JG0	237	5125	1371210010	241	3814	1371154030	246
2936	1291154G00	232	0727	1291567JG0	237	5117	1371511030	242	3814	1371105020	246
2937	1291554G50	232	0816	1283266G00	237	5126	1371111012	242	3815	1371554050	246
3786	13201AA080	233	0816	1291166G00	237	5126	1371111011	242	3832	1371130040	246
3786	13201AA082	233	0816	1291186CA0	237	5494	1371131100	242	3832	137110L010	246
3786	13201AA190	233	0821	1291566G00	237	5495	1371531120	242	3833	1371530040	246
3787	13202AA110	233	0821	1291586CA0	237	5496	1371500600	242	3833	137150L010	246
3787	13202AA112	233	0856	094895	237	5497	1371550060	242	3834	1371181020	246
3787	13202AA171	233	0857	094996	237	5497	1371550070	242	3835	137158Z010	246
3794	13201AA072	233	0881	0948C0	237	5498	1371170060	242	5492	137110R010	246
3794	13201AA180	233	0882	0949A9	237	5499	1371570080	242	5492	1371151030	246
3795	13202AA102	233	1702	7701473184	237	5502	1371115030	242	5493	137110R010	246
3795	13202AA161	233	1703	7701473183	237	5502	1371115050	242	5493	1371551030	246
3796	13201AA250	233	0816	254705125114	238	5502	1371115050	242	5550	1371154040	247
3797	13202AA281	233	0821	254705125113	238	5503	1371515030	242	5551	1371567040	247
3797	13202AA270	233	1710	RF0112111	238	5504	1371142020	242	1860	10302117	247
3798	13201AA420	233	1711	RF0112121B	238	5505	1371542010	242	1861	10302118	247
3799	13202AA430	233	2256	1291173J00	238	5506	1371174040	243	1864	D02711	247
3800	13201AA361	233	2257	1291573J00	238	5506	1371174020	243	1865	D022005	247
3801	13202AA371	233	2924	1291185E00	238	5507	1371574020	243	1920	501007014	247
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3803	1291571C50	233	2925	1291585E00	238	5513	1371562020	243	4400	4753526630	247
3804	13201AA530	234	2925	12915M86J00	238	5514	1371165010	243	4401	4753421198	247
3805	13202AA560	234	3850	1291178E00	238	5515	1371565010	243	5552	1371130030	247
3806	13201AA351	234	3851	1291578E00	238	5516	1371162030	243	5553	1371530030	247
3807	13202AA361	234	1968	3920867	238	5517	1371562030	243	1008	1886246	247
3808	13201AA390	234	1969	3920868	238	5517	1371562040	243	1009	1886247	247
3808	13201AA371	234	1798	51041010574	239	5517	1371562050	243	1625	51041010478	248
3809	13202AA400	234	1799	51041010546	239	5522	1371120020	243	1626	51041010479	248
3809	13202AA411	234	1844	1345509	239	5523	1371520020	243	1630	51041010425	248
3809	13202AA412	234	1845	1352127	239	5524	1371146022	243	1631	51041010410	248
2924	641072	234	2290	1684513	239	5524	1371146021	243	1635	51041010547	248
2925	641071	234	2291	1678541	239	5525	1371546020	243	1636	51041010548	248
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3416	1371533040	234	5627	3940734	239	5526	1371174101	244	1845	1352127	248
5538	1371147010	234	0724	1371131050	239	5527	1371503020	244	2068	09158477	248
5539	1371547010	234	0724	1371131050	239	5527	1371574100	244	2068	90529527	248
1380	96060053	235	0725	1371531070	239	5532	1371137020	244	2069	09158474	248
1380	1291160B20	235	1767	1371163010	239	5532	137110T010	244	2069	90529529	248
1381	96060054	235	1768	1371563011	239	5533	1371537030	244	2347	51041010438	248
1381	1291560B70	235	1768	1371563010	239	5533	137150T010	244	2348	51041010439	248
2540	1291182000	235	1779	1371125011	240	5534	1371188600	244	2170	90412277	249

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
2171	90410813	249	0735	311109612	254	3104	030109601AC	257	3045	068109611M	261
2192	641063	249	0735	311109612A	254	3105	030109611N	257	3045	069109611	261
2193	641376	249	3007	035109611H	254	3114	06B109601B	257	3008	030109601B	261
2540	1291182010	249	3007	035109611F	254	3114	06B109601D	257	3008	030109601C	261
2541	1291582000	249	3042	026109601C	254	3114	06B109601H	257	3008	030109601D	261
2621	641049	249	3042	026109601A	254	3115	06B109611C	257	3008	030109601F	261
2622	641360	249	3048	035109603	254	3115	06B109611B	257	3008	073109601A	261
2921	46403681	249	3048	035109601C	254	3126	06D109601K	257	3008	073109601D	261
2922	46471639	249	3048	035109601F	254	3126	06D109601M	257	3009	030109611C	261
2316	4817354	250	3049	040109601	254	3126	06E109601E	257	3009	030109611A	261
2317	4817338	250	3052	036109601AL	254	3126	06L109601	257	3009	030109611B	261
2362	6260500500	250	3053	041109601	254	3127	06D109611K	257	3044	068109601L	261
2363	6260500800	250	3054	041109611	254	3127	06D109611L	257	3044	068109601M	261
0734	311109601	250	3103	036109611K	254	3127	06D109611H	257	3044	068109601N	261
0741	052109601	250	3103	036109611K	254	3127	06D109611T	257	3045	068109611L	261
0742	052109611	250	3103	036109611AE	254	3127	06J109611A TAPERED	257	3045	068109611M	261
2603	043109611	250	3008	030109601C	254	3127	06J109611A TAPERED	257	3045	069109611	261
2603	043109611A	250	3008	030109601D	254	3039	048109611B	258	3061	030109601	261
3652	93161682	250	3008	030109601F	254	3039	037109611B	258	3106	028109601J	262
3653	93161681	250	3008	073109601A	254	3094	022109601G	258	3107	028109611K	262
1118	049109601K	251	3008	073109601D	254	3095	022109611N	258	3108	059109601B	262
1118	049109601F	251	3008	030109601B	254	3128	022109601H	258	3109	059109611B	262
1119	049109611F	251	3009	030109611B	254	3129	022109611M	258	3110	038109601B	262
1125	049109601A	251	3009	030109611A	254	3129	022109611P	258	3111	038109611F	262
1126	049109611A	251	3009	030109611A	254	3130	03F109601A	258	3111	038109611F	262
3008	030109601F	251	3061	030109601	254	3131	03F109611B	258	3111	038109611B	262
3008	030109601B	251	3062	051109601B	254	3131	03F109611C	258	3116	062109601	262
3008	030109601D	251	3063	051109611B	254	3147	04E109601	258	3117	062109611A	262
3008	073109601D	251	5066	030109601E	254	3148	04E109611L	258	3118	03G109601A	262
3008	073109601A	251	3064	021109601E	255	5016	048109601E	258	3119	03G109611B	262
3008	030109601C	251	3064	021109601H	255	3009	030109611A	258	3120	03G109601B	263
1132	058109601C	251	3064	021109601J	255	5240	030109601J	258	3121	03G109611D	263
1132	058109601C	251	3064	021109601K	255	5240	030109601L	258	3122	059109601F	263
1133	058109611M	251	3064	021109601L	255	5242	032109601F	259	3123	059109611G	263
1133	06B109611D	251	3065	021109611F	255	5242	032109601G	259	3132	038109601E	263
1135	058109611E	251	3065	021109611G	255	5243	032109611G	259	3133	038109611E	263
2644	05184127AC	251	3065	021109611D	255	5243	032109611G	259	3134	045109601	263
2644	7B0109601B	251	3068	036109601AE	255	5244	030109601N	259	3135	045109611	263
2645	05184128AE	251	3068	036109601AA	255	5244	030109601M	259	3138	059109601G	263
2645	7B01096011B	251	3069	036109611R	255	5245	030109611D	259	3139	059109611K	263
2772	00A109601A	251	3069	036109611T	255	5245	030109611D	259	3140	038109601F	263
2773	00A109611	251	3070	036109601R	255	5245	030109611D	259	3141	038109611G	263
2962	047109601F	252	3071	036109611J	255	5246	030109601AD	259	0405	3267437	264
2963	047109611B	252	3080	030109601AK	255	5246	032109601E	259	0405	31044019	264
0742	052109611	252	3080	030109601AP	255	5246	030109601AH	259	0405	31044019	264
2967	073109601C	252	3080	030109601AS	255	5248	030109601G	259	0406	32776932	264
2968	073109611A	252	3081	030109611S	255	1130	069109601D	259	0407	32674376	264
2969	035109613	252	3081	030109611AE	255	1130	072109601	259	0407	32776957	264
2976	04E109601A	252	3081	030109611AF	255	1130	069109601C	259	0649	31005192	264
2977	04E109611K	252	3088	077109601Q	255	1131	068109611D	259	0649	3267436	264
2978	04E109601B	252	3089	077109611S	255	1131	068109611C	259	3142	03L109601	264
2979	04E109611J	252	3090	022109601F	256	1131	072109611	259	3142	04L109601B	264
3006	026109601	252	3091	022109611B	256	5243	032109611G	259	3143	03L109611	264
3006	026109601D	252	3092	022109601E	256	5250	030109601AB	259	3143	04L109611B	264
3007	035109611H	252	3093	022109611C	256	5250	030109601AA	259	3144	03L109601A	264
3007	035109611F	252	3097	032109601M	256	1631	51041010410	260	3144	04L109601A	264
3013	036109601	252	3097	032109601L	256	1632	51041010417	260	3145	03L109611A	264
2980	053109611	253	3098	030109601AL	256	1790	J1371154020	260	3145	04L109611A	264
3005	034109611B	253	3099	030109611T	256	1791	J1371517010	260	0407	32778136	264
3005	035109611K	253	3099	032109611L	256	1948	046109601J	260	0412	32874190	264
3014	048109601A	253	3099	030109611T	256	1948	028109601H	260	0535	13177936	265
3038	078109601B	253	3099	030109611T	256	1949	046109611F	260	0536	13177928	265
3038	078109601E	253	3100	036109601P	256	2970	028109601D	260	0537	4633954	265
3038	078109601A	253	3101	036109611L	256	2971	028109611G	260	0538	12766879	265
3038	078109601A	253	3102	036109601AD	257	1131	068109611C	261	0538	35472471	265
3038	037109601	253	3102	036109601AK	257	1131	068109611D	261	0538	4635264	265
3039	048109611B	253	3102	036109601S	257	1131	072109611	261	0539	13784731	265
3039	037109611B	253	3102	03C109601L	257	2972	028109601C	261	0540	13784749	265
3042	026109601C	253	3103	036109611K	257	2973	028109611E	261	0540	35144914	265
3042	026109601A	253	3103	036109611AE	257	3015	068109601C	261	0544	6842421	265
2980	048109611A	253	3103	03C1096011Q	257	3043	069109601F	261	0544	1397190	265
2980	053109611	253	3103	03C109611G	257	3043	069109601G	261	0545	6842422	265
0734	311109601	254	3103	03C109611R	257	3043	069109601H	261	0545	1397191	265
0735	113109612A	254	3104	030109601AG	257	3045	068109611L	261	0635	2453900	265

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0637	2458024	265	2125	1545290	270	0787	69010555	273			
0652	33422783	266	2125	479204	270	0788	480005014	273			
0653	33243997	266	2125	8194223	270	0789	480005015	273			
0653	33437385	266	2126	467857	270	4400	2401007014B7	273			
0712	33448416	266	2126	8194224	270	4400	2401007014B4	273			
0713	33448424	266	2126	467503	270	4400	2401007014B9	273			
1175	9454607	266	2126	467682	270	4401	2401007015B6	273			
1176	9454610	266	2126	4678553	270	4401	2401007015B7	273			
1177	9454608	266	2411	21016539	270	4401	2401007015B9	273			
1262	30711639	266	5189	21428679	270	1442	MD127840	274			
1263	30711638	266	5189	21428675	270	1443	MD127841	274			
1315	30777329	266	2127	4655486	270	5214	MD139755	274			
1316	30777328	266	2127	4205530	270	5216	MD128435	274			
1317	8694781	266	2127	3825723	270	5217	MD339752	274			
1318	8694780	266	2128	4655494	270	5218	MD339754	274			
1856	31370617	267	2128	8192143	270						
1857	31330401	267	2130	1556472	270						
1857	31375559	267	2130	1543026	270						
2266	31316318	267	2131	1543027	270						
2267	9487443	267	2131	1556896	270						
2379	31316317	267	2131	863702	270						
0530	9207874	267	2131	1556473	270						
0530	13976410	267	2141	1547492	271						
0531	9207977	267	2141	3169490	271						
0531	1366490	267	2142	20441486	271						
0531	9207880	267	2142	3165234	271						
0531	9471466	267	2142	8148574	271						
0531	9471463	267	2142	20441945	271						
0531	13668827	267	2143	3978768	271						
0531	13668827	267	2384	3978766	271						
0650	32879660	267	2142	8148574	271						
0651	32879678	267	2142	3165234	271						
0714	3345515	267	2142	20478551	271						
0714	30852144	267	2142	3165234	271						
0715	30852146	267	2142	3165234	271						
0715	3345516	267	2142	3165234	271						
2378	1270455	267	2142	20441486	271						
0879	8653745	268	2144	477443	271						
0880	8653744	268	2376	477447	271						
0898	30711498	268	2402	24426433	271						
0899	30711497	268	2402	20739057	271						
1130	069109601C	268	2402	20739058	271						
1130	9135926	268	2403	20513284	271						
1130	13281472	268	2403	20513285	271						
1130	13280888	268	2404	20735572	271						
1130	13892617	268	2407	20459326	271						
1131	13280896	268	2408	20528113	272						
1131	13281480	268	2412	20564039	272						
1131	13892625	268	2400	20450002	272						
1131	068109611C	268	2401	8148069	272						
1131	9135927	268	2401	20516141	272						
1948	046109601J	268	2408	20528113	272						
1948	046109601J	268	2408	20551761	272						
1949	046109611F	268	2409	20570965	272						
2274	31330181	268	2410	20740798	272						
2275	31330182	268	2410	20561995	272						
2116	4692406	269	2410	20712128	272						
2116	4692406	269	2411	20768519	272						
2117	4220166	269	5226	20980413	272						
2118	4220174	269	5226	20833932	272						
2118	4220174	269	5227	20997871	272						
2118	422285	269	5227	20833936	272						
2380	8631650	269	5297	20540017	272						
2381	8631651	269	5298	21430918	272						
2119	4230165	269	5298	20564020	272						
2120	4230173	269	0220	4265695	273						
2121	4683025	270	0221	4377979	273						
2121	4683025	270	0222	4266321	273						
2122	4683033	270	0247	4239917	273						
2123	4663795	270	0248	4315062	273						
2124	421680	270	0780	950505	273						
2124	4653811	270	0781	950506	273						
2124	4711958	270	0784	480005915	273						
2125	4675021	270	0786	69010554	273						

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ALFA ROMEO	Pag	195580330100	0002	4	035109611H	3007	8	068109601N	3044	11
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195360330000	1092	55193126	1404	4	035109601C	3048	8	068109611M	3045	11
60512751	1093	46478834	1404	4	035109601F	3048	8	069109611	3045	11
195100330105	1093	60814605	1404	4	051109601B	3062	8	074109611	3045	11
60512982	1094	46750859	1404	4	051109611B	3063	8	059109601B	3108	11
60601089	1095	55202630	1405	4	077109601K	3084	8	059109601C	3108	11
60525336	1096	60814604	1405	4	077109611D	3085	8	059109611C	3109	11
A133798	1096	46416321	1405	4	077109601Q	3088	8	059109611B	3109	11
60525337	1097	46783962	1405	4	077109611K	3089	8	038109601B	3110	11
A133799	1097	55190248	2647	4	022109601F	3090	8	038109611B	3111	11
A134957	1098	55205125	2654	4	022109611B	3091	8	03G109601A	3118	12
60540326	1098	55206431	2658	4	022109601E	3092	8	03G109611B	3119	12
60540325	1099	55207517	2658	4	022109611C	3093	8	03G109601B	3120	12
A134958	1099	55205183	2659	4	06E109601H	3096	9	03G109611D	3121	12
60513702	1100	55207955	2659	4	06D109611L	3127	9	059109601F	3122	12
60625603	1100	55207955	2659	4	022109601G	3094	9	059109611G	3123	12
195610330000	1100	55220016	2659	4	022109611N	3095	9	038109601E	3132	12
60513703	1101	55222934	2659	4	036109601S	3102	9	038109611E	3133	12
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55185028	2662	049109611F	1119	5	AUDI DIESEL		Pag	VEJ1005	2265	13
55185080	2663	049109611K	1119	5	068109601	1123	10	BLMC DIESEL		Pag
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11347513024	3408	17	12786696	2192	22	2941685	4031	25	CHRYSLER	Pag	
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04884691AA	4206	31	97531079	0818	35	9676359080	2268	39	0948A2	2705	43
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04777898AA	4207	31	91537492	0828	35	0949A5	2947	39	0949E6	5641	43
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04663899	4208	31	094847	0828	35	753388480	3404	39	CUMMINS		Pag
04663899	4208	31	91512096	0828	35	0949F6	3404	39	150288	1964	43
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04781025AA	4210	31	9606070180	0840	35	0948F2	4224	39	3040830	1966	43
04781029AB	4211	31	96059361	0840	35	0949E7	4225	39	3000926	1966	43
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CHRYSLER DIESEL		Pag	9614703280	0841	35	95638449	0128	39	145701	1966	43
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68001583AA	3121	32	97531080	0838	36	96150145	0814	40	3920867	1968	44
05066770AA	4216	32	094858	0838	36	094874	0814	40	3901117	1968	44
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CHRYSLER USA		Pag	094970	0851	36	93510774	0821	40	3915506	1970	44
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53021551AA	4213	33	094992	0855	36	93510773	0821	40	207241	4300	44
53021551AB	4213	33	094883	0858	36	93501280	0821	40	3088393	4300	44
T1464557	1273	33	094989	0859	36	93501280	0821	40	3088391	4300	44
KK05047068AA	4224	33	0948A4	0873	36	96137360	0821	40	3035110	4300	44
KK05047068AB	4224	33	0949A4	0874	36	96007817	0844	40	166774	4301	44
KK05047069AA	4225	33	094899	0875	37	96008334	0844	40	4899632	4312	44
KK05047069AB	4225	33	094999	0876	37	094868	0844	40	3803854	4302	44
4105579	4226	33	0948A7	0877	37	094968	0845	40	3084045	4302	44
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4298142	4229	33	0949C2	0878	37	094884	0846	40	4965868	4304	45
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MD024518	6127	34	0948A9	0889	37	094895	0856	41	216707	4308	45
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CITROEN		Pag	094875	0892	37	0948A3	0879	41	138887	4308	45
AM1247E	0122	34	094981	0893	37	0949A3	0880	41	3394112	4311	45
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7910025382	0625	34	094957	2015	38	094896	2668	42	3818520	15409	46
95536524	0635	34	0948E8	2250	38	0949A0	2671	42	3418020	15411	46
95536523	0659	35	0949E2	2251	38	0949A0	2671	42	4955239	15411	46
91513446	0817	35	0948A6	2252	38	5478734	2700	42	4926069	15411	46
91537493	0817	35	0949E2	2251	38	95493872	2700	42	3800638	15411	46
91508631	0817	35	0948E2	2253	38	95569116	2700	42	3803311	15411	46
094952	0817	35	0949C8	2254	38	5457479	2701	42	3070159	15411	46
97531079	0818	35	0948G4	2255	39	95569117	2701	42	3418021	15411	46

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3800639	15411	46	F5060609	0821	50	1371140040	2253	54	8823545	0290	58
3942588	15415	46	642027	2314	51	1371540040	2254	54	8823548	0290	58
3800340	15415	46	641085	2314	51	1371540040	2254	54	8823549	0291	58
3800341	15416	46	98113743	2314	51	1371187701	2534	54	8823544	0291	58
3942589	15416	46	641400	2315	51	1371187705	2534	54	4535494	0294	58
3802659	15419	46	641086	2315	51	1371587702	2535	54	4535495	0295	58
3922714	15419	46	97385842	2315	51	1371587701	2535	54	4632840	0299	58
3922713	15420	46	96951454	2316	51	1371171010	2558	55	4580688	0302	58
3802658	15420	46	4817354	2316	51	1371571010	2559	55	4802204	0328	58
DACIA		Pag	4805321	2316	51	1371144013	2566	55	4695850	0304	59
7701458180	0405	46	96951455	2317	51	1371544022	2567	55	4683025	0304	59
7700638247	0407	46	4817338	2317	51	1371187202	3860	55	4683025	0304	59
7701471378	0448	47	6010502127	2748	51	1371587202	3861	55	4683026	0305	59
7701471379	0449	47	55223835	2944	51	1371197205	3862	55	2991999	0305	59
7701473354	0449	47	55223836	2945	51	1371597203	3863	55	4704214	0310	59
7701465088	0640	47	25183821	2327	51	1371587208	3863	55	4704215	0311	59
7701465090	0641	47	25183822	2328	51	1371187208	3864	55	4808415	0311	59
7701468149	0641	47	6010530401	2747	51	1371187103	5528	55	4638617	0312	59
132017322R	5288	47	6010531701	2747	51	1371187104	5528	55	4684088	0313	59
132027223R	5289	47	6010531201	2747	51	1371587105	5529	55	4684089	0314	59
7701472986	1704	47	6010501227	2748	51	1371587106	5529	55	98448462	0330	59
7701473004	1705	47	6010500227	2748	51	DAIHATSU DIESEL		Pag	98497241	0330	59
DACIA DIESEL		Pag	DAF TRUCKS		Pag	1371187312	2528	56	4860106	0330	59
7701473184	1702	47	1342220	1178	51	1371587319	2529	56	98443427	0330	59
7701473183	1703	47	1362696	1179	51	1371156030	2554	56	4860107	0331	59
DAEWOO-CHEVROLET		Pag	211260	1187	52	1371556030	2555	56	1908427	0331	59
90529527	2068	47	257263	1187	52	DETROIT DIESEL		Pag	8824754	0516	59
90529529	2069	47	210504	1188	52	4710500426	3282	56	4821709	0516	59
55565339	2069	47	517472	1188	52	4710500527	3283	56	8830045	0517	59
90215492	2146	48	257265	1188	52	23518745	3722	56	8825776	0517	59
96098751	2147	48	613965	1189	52	23519093	3723	56	4821711	0517	59
90220119	2164	48	674830	1189	52	4720500126	3726	56	4821710	0516+0,6T	59
90323756	2165	48	613966	1190	52	4730500126	3726	56	8806875	0524	60
90323757	2165	48	674829	1190	52	4730500127	3727	56	8821781	0524	60
641034	2168	48	242253	1191	52	11140400	3728	56	8806876	0525	60
641340	2169	48	242199	1192	52	12140400	3729	56	8821782	0525	60
90412277	2170	48	655395	1193	52	23501576	15407	57	580605	2456	60
90410813	2171	48	267356	1193	52	8929589	15407	57	580606	2457	60
96182934	2300	48	655398	1194	52	23529629 Nimonic	15407	57	FIAT IVECO		Pag
96182933	2301	48	267357	1194	52	8929590	15408	57	4741915	0280	60
96103129	2302	49	286292	1196	52	23501577	15408	57	4733348	0281	60
96103129	2302	49	286291	1197	52	23507504	5228	57	4673862	2448	60
96182806	2302	49	1259989	1198	52	23524521	5228	57	7301820	2705	60
96103130	2303	49	266305	1198	52	23529596	4037	57	4757358	2705	60
96182805	2303	49	266306	1199	52	DONG FENG		Pag	504069200	2705	60
1291178800	2304	49	1254382	1199	52	0949A8	0859	57	4733349	2706	60
94580146	2304	49	394838	1840	53	0949A9	0889	57	4849522	3050	60
96352793	2305	49	394839	1841	53	3940735	5626	57	4673861	3051	60
1291578800	2305	49	1362696	1179	53	3940734	5627	57	1901964	0269	60
96230591	2306	49	1654942	1179	53	EL DETALLE		Pag	4621511	0269	60
96230595	2307	49	1345509	1844	53	4153629	0177	57	60105343	0286	60
96335947	2308	49	1352127	1845	53	4153696	0178	57	1901963	0286	60
96335948	2309	49	1307654	1846	53	4267453	1526	57	4659379	0286	60
93333561	2310	49	1327029	1847	53	4226412	1527	57	1902205	0286	60
93333562	2311	49	1327029	1847	53	3802355	1968	57	4621484	0287	60
93399245	2321	49	1603846	1848	53	3802356	1969	57	4673608	0287	60
24578793	2322	49	1684773	1848	53	FIAT ALLIS		Pag	4658055	0287	60
93399246	2323	50	1684513	2290	53	60105343	0286	58	4658055	0287	60
24579671	2324	50	1678541	2291	53	4659379	0286	58	4824416	0288	61
96463002	2325	50	1912976	2292	53	1901963	0286	58	4803805	0288	61
96463003	2326	50	1741505	2293	53	1902205	0286	58	1904656	0288	61
641076	2660	50	1371131030	0718	54	4621484	0287	58	98435622	0288	61
641391	2661	50	1371531030	0719	54	4673608	0287	58	4784888	0288	61
1110531101	2772	50	1371531050	0719	54	4658055	0287	58	99432652	0288	61
1040531201	2772	50	1371131050	0724	54	4658055	0287	58	1908408	0288	61
1110501227	2773	50	1371531070	0725	54	4824416	0288	58	98435622	0288	61
96376881	15454	50	1404919	5626	54	99432652	0288	58	1904656	0288	61
96440081	15454	50	1404918	5627	54	98435622	0288	58	99432718	0289	61
96896007	15454	50	DAIHATSU		Pag	4803805	0288	58	99432718	0289	61
96896008	15455	50	1371125011	1779	54	1904656	0288	58	99432717	0289	61
96440079	15455	50	1371525011	1780	54	4784888	0288	58	4806717	0289	61
96376980	15455	50	1371197401	1810	54	1904655	0289	58	4784889	0289	61
DAEWOO-CHEVROLET DIESEL		Pag	1371123030	1810	54	4784889	0289	58	1908410	0289	61
F5054982	0816	50	1371597401	1811	54	4789890	0289	58	4806718	0289	61
50054982	0816	50	1371523030	1811	54	4806717	0289	58	1904655	0289	61
50060609	0821	50	1371140040	2253	54	4806718	0289	58	1904666	0289	61

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4802204	0328	61	98407026	3051	64	5975341	0254	67	7631719	0254	71
4802204	0328	61	98474603	5622	64	7597080	0254	67	7597080	0254	71
1908409	2441	61	98478407	5622	64	7631719	0254	67	5975341	0254	71
1904654	2441	61	98474604	5623	64	4359309	0254	67	5953041	0254	71
4784890	2441	61	5801487019	2449	64	4300760	0255	67	4359309	0254	71
61316814	0296	61	500355776	5624	64	4319339	2710	67	4359309	0254	71
61320722	0296	61	504042366	5624	64	5973129	2710	67	4469661	0254	71
61370865	0296	61	5801551448	5624	64	7565813	2710	67	4415238	2715	71
61318428	0296	61	504042367	5625	64	4403047	2710	67	4415239	2716	71
61321255	0297	61	500355779	5625	64	4094941	0205	68	5957451	2716	71
61315973	0297	61	504314695	5625	64	4146638	0205	68	4426397	2717	71
4535358	0298	61	4895052	5626	65	4374855	0205	68	4394134	2718	71
4535359	0299	61	4895051	5627	65	5977214	0205	68	5975849	2718	71
4632840	0299	61	504069199	5628	65	4340268	0205	68	7547400	2719	71
4632840	0299	61	500362855	5628	65	4294099	0219	68	4440061	2719	71
4535359	0299	61	504378070	5628	65	4351243	0263	68	7031135	2719	71
4580688	0302	62	500362856	5629	65	4365783	0263	68	46406169	2719	71
98480846	0304	62	500355778	5634	65	4340118	0264	68	7712114	2910	71
4683025	0304	62	504080352	5635	65	4379986	0266	68	46413334	2911	71
4638615	0304	62	500355780	5635	65	82316779	0462	68	55192067	2912	72
99452179	0305	62	504293892	5635	65	82336458	0463	68	46413806	2912	72
2991999	0305	62	504072531	5640	65	82399550	0463	68	46462158	2912	72
4683026	0305	62	504238926	5640	65	4351237	0728	68	46517325	2912	72
4638617	0312	62	504081062	5641	65	4365782	0729	68	46761369	2912	72
4684088	0313	62	504238928	5641	65	4412816	2707	68	55183592	2912	72
4684089	0314	62	504184682	5641	65	4412822	2920	68	46413807	2913	72
7910028074	0611	62	FIAT AUTO		Pag	4340119	2920	68	46462159	2913	72
094927	0611	62	4058859	0204	65	4340119	2920	68	55196738	2913	72
7910029730	0618	62	4062108	0204	65	9153501780	0840	68	46461209	2913	72
094833	0618	62	4294098	0204	65	9605936180	0840	68	46761370	2913	72
094836	0635	62	4374855	0205	65	9153501980	0841	68	7766564	2914	72
094938	0659	62	5977214	0205	65	9614703280	0841	68	60674496	2915	72
4895187	1968	62	4340268	0205	65	9628943380	0854	68	7766565	2915	72
4895188	1969	62	4146638	0205	65	9629861180	0855	68	7735898	2916	72
4899632	4312	62	4094941	0205	65	9623950380	0875	69	60812982	2916	72
98444133	2444	63	4294099	0219	65	9636001780	0876	69	7735899	2917	72
98446334	2444	63	4132958	0210	66	55229667	1827	69	46417653	2917	72
99485232	2444	63	4064702	0211	66	55231995	1828	69	60812981	2917	72
99444132	5621	63	4121897	0212	66	71739277	2192	69	55194993	2926	72
4828299	5621	63	4121898	0213	66	71739320	2193	69	55194994	2927	72
504203471	2445	63	4265690	0214	66	55225886	2652	69	55198341	2934	72
5801493134	2445	63	5977614	0215	66	55225887	2653	69	55198342	2935	72
504042365	2450	63	4265692	0215	66	55557741	2660	69	71742050	2936	73
500354685	2450	63	46407749	0220	66	71744388	2661	69	71747245	2937	73
500354682	2450	63	4265695	0220	66	55185028	2662	69	FIAT AUTO DIESEL	Pag	
99456803	2450	63	46427459	0220	66	55206233	2663	69	4741915	0280	73
500354687	2451	63	5959564	0220	66	55239748	2663	69	4733348	0281	73
99457210	2451	63	7783841	0221	66	55185080	2663	69	9600781780	0844	73
504042363	2451	63	7736408	0221	66	7770334	2670	70	9604295780	0845	73
98429886	2666	63	5973130	0221	66	46436048	2670	70	9624774280	0856	73
1908394	2666	63	5959563	0221	66	5942727	2682	70	9624774580	0857	73
98412705	2667	63	4377979	0221	66	46406854	2682	70	4757358	2705	73
1908395	2667	63	4183555	0221	66	7666228	2682	70	7301820	2705	73
98468338	2668	63	4266321	0222	66	5942728	2683	70	4733349	2706	73
98418161	2669	63	5976236	0223	66	7666227	2683	70	9635317980	0881	73
5471746	2700	63	4400640	0223	66	46514754	2683	70	9635318480	0882	73
5478734	2700	63	4137337	0231	66	5942728	2683	70	9645024780	0898	73
5414239	2701	63	4137338	0232	66	46514754	2683	70	9640840080	0899	73
5457479	2701	63	4250799	0233	67	7666227	2683	70	9660035980	1271	74
4376861	2702	63	4147475	0234	67	7574739	2686	70	9660640080	1272	74
4376862	2703	63	4250800	0234	67	7722907	2686	70	60814605	1404	74
4673862	2448	64	4252787	0234	67	7598073	2687	70	46750859	1404	74
500327442	2646	64	4080364	0239	67	7574742	2687	70	55193126	1404	74
99432837	2671	64	4111154	0240	67	7650916	2687	70	46764378	1405	74
99432837	2671	64	4127674	0243	67	7611673	2687	70	55202630	1405	74
7302157	2692	64	4127675	0244	67	7565812	2696	70	60814604	1405	74
7303309	2692	64	4146641	0244	67	7574881	2697	70	46783962	1405	74
7301821	2692	64	4460697	0247	67		2698	70	55195535	1398	74
7301820	2705	64	5999660	0247	67		2699	70	46802049	1398	74
7301820	2705	64	4239917	0247	67	4376861	2702	70	55202557	1399	74
4757358	2705	64	4173746	0253	67	4376862	2703	70	55190248	2647	74
4837679	3050	64	4255694	0253	67	5976805	2704	70	55205125	2654	74
4849522	3050	64	4255779	0253	67	4376864	2704	70	55206431	2658	74
98497025	3050	64	5953041	0254	67	46470637	2707	71	46787902	2659	74
4837598	3050	64	4293992	0254	67	46470638	2920	71	55207955	2659	74
4673861	3051	64	4469661	0254	67	4293992	0254	71	55205183	2659	74

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55207955	2659	74	81SM6505BG	0362	78	1324131	1316	80	78EM6507AA	0616	83
55205183	2659	74	V865F6505AA	0362	78	1124378	1316	80	78EM6505AA	0617	83
46527855	2672	74	89SM6505AG	0362	78	1584019	1316	80	83EM6507AA	0626	83
7798620	2672	74	6103818	0362	78	1324691	1317	80	93500418	0824	83
46527856	2673	74	1051773	0380	78	1324690	1318	80	83EM6507BB	0824	83
7783225	2673	74	1069529	0381	78	91XM6507AC	1324	80	93500889	0825	83
7783225	2673	74	1101934	0381	78	7076363	1324	80	83EM6505AB	0825	83
55190249	2677	74	6742922	0382	78	91XM6505AB	1325	80	715F6507AAD	1348	83
7553000	2678	75	1041830	0382	78	6576229	1325	80	715F6505AAC	1349	83
7553004	2679	75	1033898	0383	78	86TM6507FA	1326	81	1683701	0848	84
7597566	2690	75	1023591	1309	78	86TM6505AD	1327	81	9M5Q6507AA	0848	84
7597565	2691	75	97MM6507A2B	0384	78	88TM6507AA	1328	81	1231930	0880	84
7301821	2692	75	1051772	0384	78	88TM6505AA	1329	81	1231931	0879	84
7302157	2692	75	56GC6505A2A	0385	78	74TM6507AB	1331	81	1231930	0880	84
4757358	2705	75	1139387	0385	78	89BM6505CA	1331	81	1145933	0894	84
7301820	2705	75	1041838	0386	78	1038606	1331	81	1152191	0894	84
4368843	2711	75	928M6507F2A	0386	78	1653978	1331	81	1145932	0895	84
4368845	2712	75	1033899	0387	78	6165228	1332	81	1152190	0895	84
5996615	2712	75	6640543	1340	78	89BM6507BA	1332	81	1202362	0895	84
4424173	2713	75	6640544	1340	78	919M6507AA	1336	81	1229882	0898	84
4424173	2713	75	6640548	1340	78	919M6505AA	1337	81	1229883	0899	84
4424174	2714	75	928M6507D1A	1340	78	85HM6507FA	1338	81	1121333	1271	84
55195680	2924	75	6911483	1341	78	85HM6505AA	1339	81	1121331	1271	84
46518930	2924	75	1023593	1341	78	711M6507LA	1342	81	1217148	1271	84
55219793	2924	75	928M6505D2A	1341	78	801M6507CA	1342	81	1216915	1271	84
55208213	2925	75	6640542	1341	78	711M6505GA	1343	81	1738494	1271	84
46518931	2925	75	948M6505B2A	1341	78	791M6505JA	1343	81	BK2Q6507BB	1271	84
4826033	2692+0,6T	75	F8CZ6505AA	3501	78	791M6505GA	1343	81	XS7Q6507A2C	1271	84
55223835	2944	76	1053844	0390	79	70HM6507AE	1354	82	1121332	1272	84
55270167	2944	76	1124512	0391	79	70HM6505AF	1355	82	1134466	1272	84
55223836	2945	76	1053842	0391	79	78HM6505BA	1355	82	1214456	1272	84
55270169	2945	76	1066044	0391	79	70HM6507DD	1356	82	1706990	1272	84
FIAT INNOCENTI	Pag		771M6507DA	0398	79	78HM6505CA	1364	82	1096250	1275	85
4265695	0220	76	771M6507EA	0398	79	1755220	1856	82	1096248	1276	85
4265695	0220	76	771M6507GA	0398	79	1800892	1856	82	1449108	1283	85
4377979	0221	76	801M6507GA	0398	79	BM5G6507AE	1856	82	6M346507AA	1283	85
4266321	0222	76	801M6507JA	0398	79	1800711	1857	82	1449109	1284	85
4266321	0222	76	711M6505GA	1343	79	BM5G6505BA	1857	82	6M346505AA	1284	85
4239917	0247	76	711M6505MA	1343	79	1675266	2266	82	RF0112111	1710	85
5973128	0248	76	711M6505NA	1343	79	1682170	2267	82	RF0112121	1711	85
4315062	0248	76	791M6505GA	1343	79	5144989	2267	82	RF0112121	1711	85
4340118	0264	76	791M6505JA	1343	79	FORD EUROPA DIESEL	Pag		3595890	1714	85
7609772	0319	76	1320927	1262	79	84FM6507CB	0340	82	3595885	1715	85
5973129	2710	76	1122364	1262	79	84FM6507AB	0340	82	1669766	1948	85
4340119	2920	76	1S4G6507CA	1262	79	1631007	0340	82	1669772	1949	85
4412816	2707	76	1113189	1263	79	84FM6507AC	0340	82	0948E5	2258	85
4340119	2920	76	1S6C6505BA	1263	79	84FM6507BB	0340	82	1451597	2258	85
FIAT INNOCENTI DIESEL	Pag		1113189	1263	79	84FM6505AC	0341	82	1871590	2258	85
5990532	2694	77	1151997	1277	79	1631002	0341	82	0949E1	2259	85
5990532	2694	77	1320926	1277	79	6172851	0364	83	1427813	2259	85
7588577	2695+0,6T	77	7078139	1302	79	1113197	0364	83	6G9Q6505AA	2259	85
FORD EUROPA	Pag		88WM6507BA	1302	79	89FF6507FA	0364	83	1685847	2274	86
80BM6507AC	0342	77	95WM6507AA	1302	79	1012773	0364	83	AV6Q6507AA	2274	86
80BM6507BC	0342	77	95WM6505AA	1303	79	6781619	0364	83	1685845	2275	86
80BM6507AB	0342	77	88WM6505EA	1303	79	6781621	0364	83	AV6Q6505AA	2275	86
77BM6507AB	0342	77	88WM6505DA	1303	79	93FF6507AF	0364	83	46518930	2924	86
84BM6505GA	0343	77	7078136	1303	79	89FF6507FB	0364	83	46518931	2925	86
77BM6505AC	0343	77	XC1G6505AA	1303	79	1078433	0364	83	1079769	2970	86
77BM6507DB	0344	77	1124347	1303	79	89FF6507AA	0364	83	1049788	2971	86
80BM6507DC	0344	77	1012749	1306	80	93FF6507AA	0364	83	1100679	3110	86
78TM6507AA	0354	77	1012747	1307	80	6172854	0365	83	1100678	3111	86
78TM6507BA	0354	77	1101934	0381	80	6172845	0365	83	FORD FORDSON	Pag	
78TM6507CA	0354	77	XS6G6505B2A	0381	80	6172848	0365	83	703F6507AAA	1358	86
78TM6505FA	1281	77	928M6507C2A	1308	80	93FF6505AA	0365	83	723F6507AAA	1358	86
78TM6505GA	1281	77	6742921	1308	80	89FF6505AA	0365	83	723F6507GAA	1358	86
78TM6505HA	1281	77	928M6507C1A	1308	80	89FF6505AA	0365	83	813F6507DAA	1358	86
77BM6505DB	1333	77	948M6505A2A	1309	80	89FF6505FA	0365	83	693F6507BAA	1358	86
77BM6505EB	1333	77	7314594	1309	80	1198044	1319	83	703F6505AAA	1359	86
81SM6507KF	0360	77	7314599	1309	80	1352129	1319	83	81596819	1359	86
89SM6507AA	0360	77	98MM6507C2B	1312	80	1078429	1319	83	723F6505GAA	1359	86
81SM6505AF	0361	77	1072048	1312	80	894F6507A1B	0368	83	693F6505AAB	1359	86
89SM6507AA	0360	78	1324132	1315	80	1050570	0368	83	2701E6505A	1359	86
6086114	0360	78	1213175	1315	80	6200033	0369	83	813F6505DAA	1359	86
81SM6507KF	0360	78	1124377	1315	80	894F6505A1B	0369	83	510E507B	1369	86
6172656	0360	78	1374186	1315	80	785F6507AAA	0400	83	81710772	0193	86
81SM6505AG	0362	78	1584022	1315	80	785F6505AAA	0401	83	EIADDN6507	0193	86

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723F6505ABA	0195	86	2401007015B6	4401	90	14721P2A000	5805	95	2221222004	3198	100
81854802	0195	86	2401007015B7	4401	90	14711RNA000	5808	95	HYUNDAI DIESEL		Pag
EIADDN6505C	0195	86	2401007015B9	4401	90	14711PCX000	5810	95	2221129000	0816	100
C5NE6507A	0198	87	GINAF		Pag	14721PCX000	5811	95	2221229000	0821	100
D3NN6507A	0198	87	1603846	1848	90	14721R40A00	5811	95	2221142850	1440	100
81823823	0198	87	1362696	1179	90	14711R40A00	5812	95	2221242850	1441	100
87800344	0198	87	1404919	5626	91	14711PT2000	5814	95	2221142520	1599	100
C5NE6505A	0199	87	1404918	5627	91	14721PT2000	5815	95	2221242520	1600	100
81843651	0199	87	1684513	2290	91	14711P0A000	5818	95	OK55112111A	2474	100
D3NN6505A	0199	87	1678541	2291	91	14711PDAE00	5818	95	OK55112121A	2475	100
FORD NAVISTAR		Pag	GULERYUZ		Pag	14711POHA00	5818	95	2221142200	3204	100
F4TZ6507B	15238	87	4255254	1524	91	14721POHA00	5819	95	2221242200	3205	100
1823453C1	15238	87	4255255	1525	91	14721PDAE00	5819	95	222112F000	3192	100
F4TZ6505C	15239	87	51041010425	1630	91	14721P0A000	5819	95	222122F001	3193	100
1823452C1	15239	87	51041010410	1631	91	14721P75000	5611	96	2221127001	3221	101
FORD TRUCK LINCOLN		Pag	51041010537	2345	91	14721P75A00	5611	96	2221127000	3221	101
XL3Z6507AA	1868	87	51041010538	2346	91	14711P13000	5820	96	2221227000	3222	101
XL3Z6505AA	1869	87	HILLMAN		Pag	14721P13000	5821	96	2221227001	3222	101
F5UZ6507A	5093	87	1218394	0422	91	14711PR3000	5822	96	222112A100	3223	101
F4TZ6505B	5094	87	1218383	0423	91	14721PR3000	5823	96	222122A100	3224	101
FORD U.S.A. BRASILE		Pag	1235104	0428	92	14711P75000	5824	96	222114A061	3225	101
E8BZ6507A	2500	87	1240265	0429	92	14711P75A00	5824	96	222124A061	3226	101
E8BZ6505A	2501	87	1235105	0429	92	14711PBY500	5826	96	2221142861	3229	101
035109611F	3007	87	25552400	3001	92	14721PR7A00	5827	96	2221242861	3230	101
035109611F	3007	87	25552500	3001	92	HONDA DIESEL		Pag	2221242220	3228	101
035109601C	3048	87	71262713	3001	92	14711P5TG01	0674	96	2221142220	3707	101
FORD U.S.A.		Pag	25552800	3002	92	14721P5TG01	0675	96	INTERNATIONAL HARVESTER		Pag
F87Z6507BA	1858	88	71250985	3002	92	14711PLZD00	2186	96	795730R1	0587	101
F87Z6505BA	1859	88	71261358	3002	92	14721PLZD00	2187	96	795729R1	0588	101
4438257	1859	88	HONDA		Pag	14721RBDE00	5586	97	3055055R2	1478	102
595093	1859	88	14711PH3000	5182	92	14711RBDE00	5618	97	3055055R1	1478	102
BR3Z6505A	4235	88	14721PH7000	5183	92	14711RLOG600	5850	97	3055056R1	1479	102
BR3Z6507A	4240	88	14711PH3000	5182	92	14721RLOG50	5851	97	3055056R2	1479	102
FR3Z6507A	4240	88	14711P73J01	5197	92	HONDA MOTORCYCLE		Pag		3353	102
FR3Z6505A	4241	88	14711P07000	5583	92	14711383000	5554	97		3357	102
AA5Z6507A	4242	88	14721P07000	5584	92	14721383000	5555	97	675046C4	5144	102
AA5Z6505A	4243	88	14721PH3000	5611	92	HOWO		Pag	675046C2	5144	102
BC3Z6507A	4244	88	14721PR3000	5823	92	61560050042	4402	97	676865C4	5145	102
CC3Z6505B	4245	88	14711RB0000	5587	93	61560050041	4403	97	676865C2	5145	102
G.M.C.		Pag	14721RB0000	5588	93	HYUNDAI		Pag	1818580C1	15402	102
1291160B20	1380	88	14711R60000	5589	93	MD000480	1422	97	1824838C1	15403	102
96060053	1380	88	14721P2A000	5590	93	MD000481	1423	97	1823875C2	15502	102
96060054	1381	88	14711PE0660	5604	93	MD016460	1428	97	1824840C1	15503	102
1291560B70	1381	88	14721PE0660	5605	93	2221121010	1428	97	1839968C1	15504	102
21007038	1393	88	14711PM3000	5606	93	MD016461	1429	97	1842145C2	15505	102
21007037	1394	88	14711P1KE01	5606	93	2221221004	1429	97	8C3Z6507A	15506	103
21006637	1394	88	14721PM3000	5607	93	2221221304	1429	97	8C3Z6505A	15507	103
21007154	1394	88	14721P1KE01	5607	93	2221133000	1442	98	ISUZU		Pag
21007039	1395	89	14711PG6000	5608	93	2221233000	1443	98	8941539690	1104	103
21007040	1396	89	14721PG6000	5609	93	2221102200	2514	98	8942512750	1104	103
12575793	2192	89	14711POBA00	5610	93	2221202200	2515	98	8944410740	1105	103
24454518	2193	89	14711PT3A00	5614	94	2221104000	3188	98	8971197510	1105	103
96057952	2542	89	14711PT3A00	5614	94	2221204000	3189	98	8942514400	1105	103
96067994	2543	89	14711P45601	5614	94	2221103000	3190	98	8942512760	1105	103
10198816	3700	89	14711PV1000	5614	94	2221103201	3190	98	8942171780	1116	103
10198817	3701	89	14721PT6A00	5615	94	2221203000	3191	98	8942171790	1117	103
2114084	3702	89	14721P45601	5615	94	2221203201	3191	98	641022	2170	103
10241743	3702	89	14721PT3A00	5615	94	2221102510	3200	98	641325	2171	103
2113234	3703	89	14721PV1000	5825	94	2221102500	3200	98	8942519770	2619	103
12550909	3703	89	14711PY3000	5616	94	2221202500	3201	98	8942519780	2627	103
14033927	3704	89	14711P5A000	5616	94	2221126600	3209	98	8970274992	3902	103
10149663	3705	89	14721P5A000	5617	94	2221226000	3210	98	8970141741	3903	103
12601762	3706	90	14721PY3000	5617	94	2221123600	3211	99	8970338642	3904	104
12568411	3708	90	14711PWA000	5800	94	2221223600	3212	99	8970338641	3904	104
12577696	3708	90	14721PWA000	5801	94	2221123100	3213	99	8972195092	3905	104
12568412	3709	90	14711P8EA00	5802	94	2221223100	3214	99	8971891140	3905	104
12577697	3709	90	14721P8EA00	5803	94	222112B000	3215	99	ISUZU DIESEL		Pag
12617533	3710	90	14711P08000	5804	94	222122B000	3216	99	8943268430	2172	104
12590771	3710	90	14711P2A000	5804	94	2221123000	3217	99	8941100173	2173	104
12582719	3711	90	14711P1JE00	5804	94	2221223000	3218	99	8941150592	2173	104
12612427	3711	90	14721P08000	5805	94	2221137201	3219	99	9125518020	2582	104
12601763	4008	90	14721P1JE00	5805	94	2221237200	3220	99	5125520260	2583	104
GAZ		Pag	14721P2A000	5805	94	222112G000	3986	99	8971371540	2588	104
2401007014B7	4400	90	14711PNA000	5806	95	2221225002	3987	99	8971371551	2589	104
2401007014B4	4400	90	14721PNA000	5807	95	2221122003	5520	100	8943958822	3906	104
2401007014B9	4400	90	14721PRB000	5807	95	2221222011	5521	100	8972098763	3907	104

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8980169730	3908	104	R83071	5045	109	4153696	0178	112	OK2NC12111	2516	116
8973096751	3908	104	R89227	5046	109	3357290	1500	112	OK2NC12121	2517	116
8980169741	3909	104	R79630	5069	109	3357291	1501	112	2221135520	2518	116
8973096771	3909	104	R79629	5069	109	2133730	1506	112	2221235500	2519	116
641049	2621	105	R79628	5069	109	2934523	1507	112	OB65712111	2526	117
8971319610	2621	105	R79623	5069	109	3371746	1507	112	OK93812121	2527	117
641360	2622	105	R79625	5070	109	4170899	1508	112	2221104000	3188	117
8971319620	2622	105	R79626	5070	109	4272209	1508	112	2221204000	3189	117
8970155462	2623	105	R79627	5070	109	4170899	1509	112	2221103000	3190	117
8970155471	2624	105	R79624	5070	109	4153455	5221	112	2221103201	3190	117
9944649210	3910	105	R45004	5071	109	4159138	1520	113	2221203000	3191	117
8944649212	3910	105	R45005	5071	109	4159136	1520	113	2221203201	3191	117
8971317290	5100	105	R45003	5071	109	4159137	1521	113	OBP1B12111	3194	117
8944332450	5101	105	R43883	5071	109	4159140	1522	113	MBP0512121A	3195	117
8982773830	5101	105	R43787	5075	109	4204014	1524	113	2221126600	3209	117
89704386H	5101	105	R43788	5075	109	4255254	1524	113	2221226000	3210	117
8970438612	5101	105	R43789	5075	109	4283380	1524	113	2221123600	3211	117
JAGUAR		Pag	R43679	5075	109	4204015	1525	113	2221223600	3212	117
AJ810945	9544	105	R43914	5072	110	4255255	1525	113	222112B000	3215	118
NCA2532AA	9545	105	R50358	5073	110	4283381	1525	113	222112B400	3215	118
EAC1547	9547	105	R55055	5073	110	04226413	1526	113	222122B000	3216	118
EAC1548	9548	105	R55057	5073	110	4267453	1526	113	2221137201	3219	118
XR822776	9549	106	R55059	5073	110	4225353	1526	113	2221237200	3220	118
AJ810106	9550	106	R55056	5074	110	4226562	1526	113	2221125000	3986	118
JAGUAR DIESEL		Pag	R55058	5074	110	04226412	1527	113	2221125002	3986	118
0948E5	2258	106	R50357	5074	110	4228353	2642	113	222112G000	3986	118
0949E1	2259	106	R55060	5074	110	4159139	5219	113	2221225000	3987	118
JEEP		Pag	R43789	5075	110	4231804	5219	113	2221225002	3987	118
53021550AA	4212	106	R43679	5075	110	4234951	2630	113	KIA DIESEL		Pag
53021551AB	4213	106	R43787	5075	110	4234952	2630	113	2221142520	1599	118
53021551AA	4213	106	R43788	5075	110	4231479	2630	113	2221242520	1600	118
0948F2	4224	106	R75690	5077	110	4159136	2630	113	RF0112111	1710	118
0949E7	4225	106	R63982	5078	110	4159136	2630	113	RF0112121B	1711	118
33003515R	4250	106	R44174	7011	110	4159137	2631	113	OK55112111A	2474	118
33003860R	4251	106	R98062	7012	110	4231804	2631	113	OK55112121A	2475	118
7701462232	0630	107	R97490	7012	110	4131597	2632	114	222114A000	2478	119
7701461339	0631	107	R97492	7014	110	4131598	2633	114	222124A000	2479	119
05073735AA	2792	107	R90692	7014	110	4124018	2634	114	2221141001	2482	119
05073737AA	2793	107	R84618	7015	111	4124019	2635	114	2221245000	2483	119
53020747AB	4252	107	R93308	7015	111	4254934	2636	114	2221245001	2483	119
53020748	4253	107	R93312	7015	111	4254284	2636	114	OK05412111	2490	119
53010512AA	4256	107	R84619	7016	111	4254935	2637	114	OK05412121	2491	119
53010513AA	4257	107	R93313	7016	111	4254285	2637	114	OK65D12111	2492	119
JEEP DIESEL		Pag	R93311	7016	111	4285985	2638	114	OK65B12121	2493	119
05073738AA	2793	107	R26124	7017	111	4285986	2639	114	222112F000	3192	119
68001582AA	3120	107	R26123	7018	111	4284042	2640	114	222122F201	3193	119
68001583AA	3121	107	K.H.D.		Pag	4284043	2641	114	2221127001	3221	119
05066770AA	4216	107	3369307	0173	111	04903005	5226	114	2221127000	3221	119
05066769AA	4217	107	3369308	0174	111	04903006	5227	114	2221227000	3222	119
05175396AA	4218	108	3358980	0175	111	KIA		Pag	2221227001	3222	119
05175397AA	4219	108	3358982	0175	111	2221133000	1442	115	222112A100	3223	120
68027469AA	4220	108	3358984	0176	111	2221233000	1443	115	222122A100	3224	120
68027470AA	4221	108	3358981	0176	111	222113E000	2469	115	222114A061	3225	120
JENBACHER		Pag	4153631	0177	111	222123E000	2470	115	222124A061	3226	120
375631	5900	108	4153773	0177	111	222113C100	2471	115	KOMATSU		Pag
375630	5901	108	4150036	0177	111	222113C800	2471	115	6610414110	1964	120
334781	5904	108	2137457	0177	111	222113C810	2471	115	6610414210	1964	120
334782	5905	108	4153629	0177	111	222123C100	2472	115	6240414110	5032	120
414487	5902	108	2137301	0177	111	222123C800	2472	115	4089089	5032	120
369443	5903	108	4153697	0178	111	K95412111	2494	115	4007179	5032	120
JHON DEERE		Pag	2137300	0178	111	K01312121	2495	115	6240414210	5033	120
R518806	3300	108	2232717	0178	111	MB30112111	2500	115	6221414110	5034	120
R524875	3301	108	2237221	0178	111	K15112121	2501	115	6221414211	5035	120
R520223	3304	108	3371776	0178	111	K15012121	2501	115	6162434110	5036	120
R520224	3305	108	4153696	0178	111	OK30E12111	2502	115	6162434111	5036	120
R122035	3306	109	4153696	0178	111	OK30E12121	2503	115	6162434110	5037	120
R516892	3306	109	3361636	1494	112	K93012111	2504	116	6164414211	5037	120
R122035	3306	109	3361616	1495	112	K93012121	2505	116	6164414211	5037	120
R516892	3306	109	4208095	1498	112	OK30C12111	2506	116	6736414110	5038	121
R502454	3308	109	4255216	1498	112	OK30C12121	2507	116	6736414210	5039	121
R502455	3309	109	4208096	1499	112	OK24712111	2508	116	6215414110	5040	121
R90602	3310	109	4255217	1499	112	OK24712121	2509	116	6215414212	5041	121
R90601	3311	109	4153773	0177	112	OK9BV12111	2510	116	50213800	5042	121
R89224	5045	109	4153629	0177	112	OK56612121	2511	116	6127414113	5042	121
R89222	5045	109	2137457	0177	112	2221102200	2514	116	50213900	5043	121
R89223	5045	109	2137301	0177	112	2221202200	2515	116	6127414214	5043	121

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6136424110	5452	121	4469661	0254	125	4340119	2920	128	LGH101360	2195	132
6136424210	5453	121	4359309	0254	125	4412822	2920	128	4646005	5840	132
6207414110	5454	121	4293992	0254	125	5985066	2920	128	LR002447	5840	132
50222985	5454	121	4403047	2710	125	7633752	2920	128	4646004	5841	132
6209414210	5455	121	5973129	2710	125	7766564	2914	128	LGH000030	6008	133
6209414210	5455	121	7565813	2710	125	7766565	2915	128	LGH000040	6009	133
6204414210	5455	121	5973128	0248	125	60674496	2915	128	LAND ROVER DIESEL		Pag
50222984	5455	121	4315062	0248	125	9630441380	2946	130	STC2156	0098	133
52409645	5455	121	4293992	0254	125	9640181380	2947	130	STC2149	0099	133
6136414110	5456	121	4359309	0254	125	LANCIA DIESEL		Pag	ERR1157	0670	133
6136414211	5457	121	5975341	0254	125	7766564	2914	129	ERR1156	0671	133
6209414110	5460	121	7597080	0254	125	7735898	2916	129	LGH101450	0677	133
58234197	5460	121	4300760	0255	125	46417653	2917	129	LGH101450	0677	133
1G89613110	5310	122	7609772	0319	125	7735899	2917	129	ERR6611	0678	133
1G89613120	5311	122	7617500	0320	125	46403681	2921	129	ERR6612	0679	133
50222606	5458	122	82316779	0462	125	46471639	2922	129	0948E5	2258	133
6150414111	5458	122	82399550	0463	125	55194993	2926	129	0949E1	2259	133
6150414210	5459	122	82336458	0463	125	55194994	2927	129	1311281	2270	134
50222607	5459	122	7910245390	0635	126	55194219	2928	129	1316137	2271	134
KUBOTA		Pag	7910246494	0637	126	55200422	2929	129	1520918	2271	134
1G89613110	5310	122	9605936180	0840	126	55229666	2940	129	LANDINI		Pag
1G89613120	5311	122	9611782880	0841	126	55231897	2941	129	3142H071	6515	134
15451-13112	5161	122	9628943380	0854	126	46533298	2948	129	3142A151	6516	134
15451-13122	5162	122	9629861180	0855	126	9600781780	0844	130	LAZ		Pag
15221-13110	15047	122	9623950380	0875	126	9604295780	0845	130	51041010574	1798	134
15221-13212	15048	122	9636001780	0876	126	9624774280	0856	130	51041010575	1798	134
15261-13110	15050	122	60810666	1400	126	9624774580	0857	130	51041010546	1799	134
15261-13210	15051	122	60663241	1400	126	9627184380	0879	130	20833932	5226	134
671304C2	15256	122	55186770	1400	126	9634437580	0880	130	20980413	5227	134
341057R2	15257	122	60560644	1401	126	9635317980	0881	130	LEXUS		Pag
15393-13110	15259	123	60810667	1401	126	9635318480	0882	130	1371131100	5494	134
15393-13120	15260	123	05184127AC	2644	126	60814605	1404	130	1371531120	5495	134
14601-13110	15261	123	05184128AE	2645	126	46750859	1404	130	1371150060	5496	135
14601-13120	15262	123	55225886	2652	127	55193126	1404	130	1371550060	5497	135
1C01013113	15273	123	55225887	2653	127	46783962	1405	130	1371170060	5498	135
1C01013122	15274	123	55185028	2662	127	60814604	1405	130	1371570080	5499	135
1G67313110	15275	123	55185080	2663	127	55195535	1398	131	1371120020	5522	135
1G67313120	15276	123	55206233	2663	127	46802049	1398	131	1371520020	5523	135
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21011007010	0258	123	46436048	2670	127	55190248	2647	131	1371146021	5524	135
4183269	0258	123	7770334	2670	127	55205125	2654	131	1371146020	5525	135
21011007012	0259	123	5942727	2682	127	55206431	2658	131	137110T010	5532	135
4183270	0259	123	7666228	2682	127	46787902	2659	131	137150T010	5533	135
642758	2148	123	46514754	2683	127	55207955	2659	131	LEXUS DIESEL		Pag
642858	2149	123	7666227	2683	127	55205183	2659	131	137110R010	5492	135
21081007010	2815	124	7666227	2683	127	46787902	2659	131	137150R010	5493	135
210811007010	2816	124	5942728	2683	127	55207955	2659	131	LISTER		Pag
21081007012	2817	124	7574739	2686	127	55190249	2677	131	20180250	1512	135
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21121007012	2819	124	7574742	2687	127	55207955	2659	131	LOTUS		Pag
LADA ZIGULI DIESEL		Pag	7598073	2687	127	7798620	2672	131	LGH10029	0860	136
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094947	0821	124	7611673	2687	127	7301821	2692	131	LGH10064	2194	136
LANCIA		Pag	4293992	0254	128	7302157	2692	131	LGH10065	2195	136
4259853	0220	124	4359309	0254	128	7547158	2694	131	1371137020	5532	136
4265695	0220	124	4469661	0254	128	5990532	2694	131	1371537030	5533	136
5959564	0220	124	5953041	0254	128	5990533	2695	131	M.A.N.		Pag
4274135	0221	124	5975341	0254	128	4757358	2705	131	51041010509	1608	136
4377979	0221	124	7597080	0254	128	7301820	2705	131	51041010501	1609	136
5959563	0221	124	7631719	0254	128	4826033	2692+0,6T	131	51041010314	1614	136
5963326	0221	124	4412816	2707	128	7588577	2695+0,6T	131	51041010286	1616	136
5973130	0221	124	5997328	2707	128	46518930	2924	132	51041010399	1616	136
5999660	0247	124	7633751	2707	128	55219793	2924	132	51041010375	1625	136
4239917	0247	124	46406169	2719	128	46518931	2925	132	51041010478	1625	136
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4315062	0248	124	7547400	2719	128	46518930	2944	132	51041010367	1626	136
5973128	0248	124	7712114	2910	128	46518931	2945	132	51041010447	1626	136
96700315	0248	124	46413334	2911	128	55208213	2945	132	51041010447	1626	137
4173746	0253	125	46462158	2912	128	K68027469AA	4220	132	51041010367	1626	137
4255694	0253	125	46517325	2912	128	K68027470AA	4221	132	51041010334	1628	137
4255779	0253	125	46761369	2912	128	LAND ROVER		Pag	51041010422	1630	137
7597080	0254	125	46761370	2913	128	LGH10029	0860	132	51041010425	1630	137
7631719	0254	125	46462159	2913	128	LGH10028	0861	132	51041010410	1631	137
5975341	0254	125	46461209	2913	128	LGH10064	2194	132	51041010411	1631	137
5953041	0254	125	4340119	2920	128	LGH10065	2195	132	51041010410	1631	137

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51041010411	1631	137	733819M1	0587	141	ZL0212111	3492	145	1160500126	2728	150
51041010417	1632	137	733818M1	0588	141	ZL0212121	3493	145	1160500226	2728	150
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51041010547	1635	137	2401007014B7	4400	141	KF0112121	3495	146	1110530401	2732	150
51041010548	1636	137	2401007014B4	4400	141	G60112111	3496	146	1110530301	2732	150
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51041010574	1798	138	2401007015B7	4401	141	G61212121	3497	146	1160500127	2735	150
51041010575	1798	138	2401007015B9	4401	141	YF0912111	3500	146	1160500326	2734	151
51041010546	1799	138	MAZDA	Pag		YF0912121	3501	146	1160500426	2734	151
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51041101506	2346	138	1E0612111	1313	142	ZJ0112121B	3505	146	1020501801	2737	151
51041010538	2346	138	C20112121	1314	142	ZY0112111A	3506	146	1020530901	2737	151
M.G.	Pag		LF0112111	1315	142	ZY0112121	3507	146	1020531801	2737	151
LGH10029	0860	138	LF0112121	1316	142	ZY0112121A	3507	146	1020500027	2738	151
LGH101190	0861	138	LF0212121	1316	142	ZY0112121B	3507	146	1020500327	2738	151
LGH10064	2194	138	1324691	1317	142	L3K912111	3510	147	1020500027	2738	151
LGH20065	2194	138	L80112111	1317	142	L3K912121C	3511	147	1020500327	2738	151
LGH101360	2195	138	1211483	1317	142	1E0512111	3514	147	1020500326	2739	151
M.G. DIESEL	Pag		1324690	1318	142	1E0512121	3515	147	1020531701	2739	151
LGH100990	0674	138	L80112121C	1318	142	Z50112111C	3516	147	1020530801	2739	151
LGH100980	0675	138	1E0312121	1331	142	Z50112111A	3516	147	1020531501	2739	151
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630804600024	5195	139	Q29012111C	1662	143	JE2612111	3520	147	1030531601	2743	151
622604603024	5195	139	D2726505A	1663	143	JE2612121	3521	147	1030532101	2743	151
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630804600014	5198	139	B630012111	1664	143	057112121	3523	147	1170500027	2729	152
630504600044	5198	139	B630012121	1665	143	KJ0112111	3524	147	1170500127	2729	152
630504600034	5199	139	F80112111A	1668	143	KJ0112121A	3525	147	1030532001	2745	152
620704603014	5199	139	F80412121	1669	143	B3C712111A	3526	148	1030531301	2745	152
622804603014	5200	139	F80112121A	1669	143	B3C712121A	3527	148	1030500527	2746	152
622604605014	5230	139	Q24912111A	1670	143	B3D212121A	3527	148	1030501727	2746	152
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622604605034	5232	139	032412111A	1674	143	ZZLO12121	3529	148	1020500127	2756	152
622604607034	5232	139	048812121	1675	143	E5D312111	5112	148	1020500427	2756	152
961004600014	5320	139	032412121A	1675	143	E35812121	5113	148	1020531001	2758	152
961004600024	5321	139	055212111	1676	144	MAZDA DIESEL	Pag		1020531401	2758	152
12275153	5322	140	055212121A	1677	144	Y40112111	0894	148	1020500827	2759	152
12275154	5323	140	063612111	1678	144	Y40112121	0895	148	1020501127	2759	152
623404600014	5324	140	063612121	1680	144	Y60112111	0898	148	1020500627	2759	152
623404600064	5325	140	052712121	1680	144	Y60112121	0899	148	1170500126	2760	152
623404600054	5326	140	F20212111	1690	144	WE0112111	1283	148	1040530801	2764	152
MACK	Pag		F20112111	1690	144	6M346507AA	1283	148	1040531001	2764	152
690GC2187B	0790	140	F20112121	1691	144	1449108	1283	148	1040501427	2765	152
690GC2187A	0790	140	F20112121B	1691	144	WE0112121	1284	148	1190530401	2766	152
688GC2352A	0791	140	F20112121A	1691	144	6M346505AA	1284	148	1190530501	2766	152
690GC2193	0792	140	B54112111	1696	144	1449109	1284	148	1190500527	2767	152
688GC337A	0793	140	B54112121	1697	144	MERCEDES BENZ	Pag		1190530801	2768	152
690GC2210	0794	140	BP4W12111	1698	144	RF0112111	1710	149	1190531801	2768	152
688GC2378	0795	140	BP0512111	1698	144	RF0112121B	1711	149	1190501027	2775	152
690GC2200	0796	140	BP0612111	1698	144	RF2A12111	1712	149	1190500927	2775	152
688GC2373	0797	140	BP4W12121	1699	144	RF2A12121	1713	149	1110530201	2770	153
690GC342	1151	140	BP0512121A	1699	144	RF5C12121	1713	149	1110530101	2770	153
688GC344	1152	140	FS0112111B	2510	144	WL0112111	1714	149	1110500527	2771	153
690GC425A	1153	140	FS0112111C	2510	144	WL5112111	1714	149	1110531101	2772	153
688GC416	1154	140	FS0112121B	2511	144	WL5112121A	1715	149	1110532101	2772	153
MARBUS	Pag		FS0112121A	2511	144	WL0112121	1715	149	1110501427	2773	153
51041010537	2345	141	B65712111	2526	145	RF5C12111	1716	149	1110501227	2773	153
51041010538	2346	141	B6MC12111	2526	145	R2AA12111	3530	149	1040501027	2763	153
MASSEY FERGUSON	Pag		B69512121B	2527	145	R2AA12121	3531	149	1040501727	2763	153
826244M1	0185	141	BJ0112121	2527	145	SH0112111	3534	149	1040531201	2772	153
826245M1	0186	141	B66012121	2527	145	SH0112121A	3535	149	1040531401	2772	153
MASSEY FERGUSON DIESEL	Pag		PE0112111	3480	145	SH0112121D	3535	149	1190531201	2774	153
731151M1	0580	141	PE0112121	3481	145	1100500726	2723	150	1190500927	2775	153
732811M1	0580	141	BP0112111	3487	145	1100500027	2725	150	1190501027	2775	153
731152M1	0581	141	BP0112121	3488	145	1160500226	2728	150	1660530101	2782	154
737640M1	0581	141	JE0112111	3489	145	1160500126	2728	150	1660500327	2783	154
0910060	0585	141	B36612111	3490	145	1160500226	2728	150	1130530001	2784	154
734106M1	0586	141	B36612121	3491	145	1160500126	2728	150	1130500127	2785	154

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1660530201	2786	154	6600530005	2797	158	0948G1	2272	162	MN163799	6131	166
1660500427	2787	154	Q0004569V003	2797	158	0949F7	2273	162	MN163286	6132	166
1660530201	2786	154	6510530101	2798	158	11347791054	3415	163	MITSUBISHI DIESEL	Pag	
1130530101	2788	154	6510500127	2799	158	11347791055	3416	163	7701466716	0650	167
1130530501	2788	154	6260500500	2362	158	11347812618	9400	163	7701466717	0651	167
1130500227	2789	154	6260500800	2663	158	11347812616	9401	163	M889130	0714	167
2660530105	3252	154	6420530401	4218	159	MITSUBISHI	Pag		M852144	0714	167
2660500027	3252	154	5175396AA	4218	159	MD000480	1422	163	M889131	0715	167
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1600530101	3250	155	5175397AA	4219	159	MD000481	1423	163	MW30620685	0726	167
1600500027	3251	155	MERCEDES INDUSTRIAL	Pag		MD016460	1428	163	MW30620686	0727	167
1600500327	3251	155	3460530001	0154	159	MD003788	1429	163	MD050552	1434	167
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2710530501	3255	155	3460530105	0155	159	MD070693	1433	163	MD083662	1441	167
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2710500627	3256	155	3550530005	2052	159	MD127840	1442	164	MD198404	1599	167
2720530801	3257	155	3550500027	2052	159	MD127847	1442	164	MD198406	1600	167
2720530201	3257	155	4230500026	2730	159	MD127841	1443	164	ME200050	1601	168
2720500927	3258	155	4030530901	2730	159	MD127848	1443	164	ME200051	1602	168
2720500227	3258	155	4230500427	2731	159	2221233000	1443	164	ME200051	1602	168
2780500427	3258	155	4230500327	2731	159	MD184078	1443	164	ME013810	2482	168
2720530501	3259	155	4030500427	2731	159	MD135479	2518	164	ME220217	2483	168
2720530601	3259	155	4030501027	2731	159	MD172315	2518	164	MN980080	3120	168
2720500827	3260	155	9060500326	2736	159	MD135481	2518	164	MN980081	3121	168
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1350530005	3262	155	6010501927	2748	160	MD135482	2519	164	ME203102	3581	168
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1130530201	3265	156	9060500326	2736	160	MD162780	3552	164	MN960088	4218	169
1130500327	3266	156	4220500226	2750	160	MD162800	3553	164	MN960089	4219	169
2700530001	3284	156	4420500226	2750	160	MD4667807	3554	164	QQC000162	5640	169
2700500100	3285	156	4420500326	2750	160	MD4667969	3554	164	QQC000143	5641	169
2780500126	3286	156	4420500526	2750	160	MD4667810	3555	164	MD173602	6133	169
2760500027	3287	156	4420500427	2751	160	MD4557972	3555	164	MD180356	6134	169
MERCEDES BENZ DIESEL	Pag		4420500227	2751	160	MD348769	3556	164	MTZ	Pag	
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6160530301	0163	156	4220500027	2751	160	MR994497	3559	165	2401007014B4	4400	169
6170530001	0163	156	4220500227	2751	160	MR994498	3560	165	2401007014B9	4400	169
6160500027	0164	156	9060500226	2776	160	MD301193	4200	165	2401007015B6	4401	169
6160500127	0164	156	9060500327	2777	160	MD159502	4200	165	2401007015B7	4401	169
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6160500527	0164	156	4700500427	3272	160	MD199193	4201	165	NISSAN	Pag	
6070531200	1702	157	9360500026	3273	161	MD306183	4201	165	1320100QAA	0448	169
6070531300	1703	157	9360500126	3273	161	MD303177	4201	165	1320200QAA	0449	169
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6060530705	2047	157	5410530101	3280	161	1010A243	4224	165	1320200QAG	0807	169
6060530701	2048	157	4570500327	3281	161	MN183950	4225	165	1320100QAE	1006	170
6060530305	2049	157	4710500426	3282	161	1011A178	4225	165	1320200QAE	1007	170
6060501527	2053	157	4710500527	3283	161	MD342090	5211	165	13201N8501	1206	170
6060501127	2053	157	4710500427	3283	161	MD342091	5212	165	13202N8500	1208	170
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6010531701	2747	157	4730500127	3727	161	MD128434	5215	165	1320278501	1207	170
6010531201	2747	157	MERCEDES MODULATING VALVE	Pag		MD128435	5216	165	13202N0401	1207	170
6010502327	2748	157	4420160191	8001	161	MD339752	5217	165	13202S0500	1207	170
6010500227	2748	157	4420160391	8002	161	MD339754	5218	165	13202N0400	1207	170
6010502127	2748	157	5410160791	8003	161	MD075925	6118	166	13202N6800	1207	170
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6110530401	2792	158	11347533885	3405	162	MD083849	6125	166	132029F610	1221	170
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6600530101	2796	158	11347805968	0898	162	MD162422	6129	166	1320153Y00	1224	171
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132014M700	1224	171	13201VJ260	3604	173	132027F400	2891	177	642829	2165	181
1320171J00	1224	171	132029E000	3605	173	1320160J04	2892	177	641306	2165	181
1320157Y00	1224	171	13202VJ26A	3605	173	1320160J03	2892	177	55557781	2168	181
132012F000	1224	171	13201BM505	3606	174	1320260J02	2893	177	641080	2168	181
132022F000	1225	171	13202BM500	3607	174	132019C600	2894	177	24463777	2168	181
1320271J00	1225	171	13201AU300	3608	174	132029C601	2895	177	641034	2168	181
1320253Y00	1225	171	13202AU300	3609	174	13201BN300	2896	178	641061	2168	181
1320253Y60	1225	171	13201VC200	3610	174	13201AD210	2896	178	641375	2169	181
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132011E700	1226	171	13201ED00A	3616	174	13201EB70A	2896	178	641394	2169	181
1320153J00	1226	171	13201ED00C	3616	174	13202BN300	2897	178	641340	2169	181
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1320170J00	1226	171	13202ED00C	3617	174	13202AD20A	2897	178	641331	2171	181
1320170J00	1226	171	13201EN20A	3618	174	13202EB70B	2897	178	641331	2171	181
1320189J00	1226	171	13202EN200	3619	174	1320100Q0J	2362	178	641321	2171	181
132011E710	1226	171	1320153F02	3620	174	132010370R	2362	178	641048	2184	181
1320189J00	1226	171	1320253F00	3621	174	1320200Q0L	2363	178	641357	2185	181
132011E700	1226	171	1320131V60	3622	175	1320200Q0P	2363	178	641063	2192	181
132011E710	1226	171	1320231V60	3623	175	132024894R	2363	178	641066	2192	181
132011E710	1226	171	1320138V60	3624	175	132016F900	3644	178	641380	2193	181
1320189J00	1226	171	1320238V60	3625	175	132026F900	3645	178	641376	2193	181
1320170J00	1226	171	13201F6511	3626	175	1320167U00	3648	178	55557862	2350	182
1320153J00	1226	171	1320240P00	3627	175	1320267U00	3649	178	642078	2350	182
132011E700	1226	171	13202F6511	3627	175	1320100Q0A	3652	178	642029	2350	182
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1320289J00	1227	171	1320184A00	3634	175	132019X700	3660	178	641401	2351	182
1320270J10	1227	171	1320284A00	3635	175	132029X700	3661	178	641379	2351	182
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1320253J02	1229	171	1320240F01	3637	175	13202F4000	3663	179	55572519	2351	182
1320197E00	1230	171	132010Z800	3640	176	132011AT0A	3664	179	641049	2621	182
1320297E00	1231	171	132020Z800	3641	176	132021AT0A	3665	179	641360	2622	182
1320100QAJ	1704	171	NISSAN DIESEL		Pag	3800340	15415	179	641076	2660	182
1320200QAK	1705	171	13201AW300	0726	176	3800341	15416	179	641391	2661	182
13201R2001	2823	172	1320100QAC	0726	176	OPEL		Pag	641392	2661	182
13202R2000	2824	172	1320100QAM	0726	176	641015	0556	179	55567302	3077	182
13202D1200	2828	172	1320200QAN	0727	176	641317	0557	179	641460	3077	182
13202D0100	2828	172	13202AW300	0727	176	90409996	0557	179	55567301	3078	182
13202D0100	2828	172	13201BN700	1702	176	642763	0572	179	641459	3078	182
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13202W0401	2843	172	132011980R	1702	176	642890	0573	179	4708933	3629	182
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13202H9500	2845	172	1320100QAD	1708	176	93160645	1006	179	1291569LGO	3853	182
1320150K00	2864	172	1320200QAD	1709	176	4411049	1007	179	OPEL DIESEL		Pag
1320101B00	2864	172	132012W200	1718	176	93160646	1007	179	641058	0098	183
1320110B00	2864	172	1320100QAL	1718	176	1100500726	2723	180	641041	0098	183
1320201B00	2865	172	132012W20A	1718	176	1100500027	2725	180	641346	0099	183
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132012J201	2866	172	132022W200	1719	176	641310	2061	180	4402633	0726	183
132012J202	2866	172	132022W20A	1719	176	641045	2068	180	4415921	0726	183
132012F200	2866	172	1320200QAH	1719	176	641051	2068	180	4402634	0727	183
132022J201	2867	172	13201L2000	2874	176	641094	2068	180	4415922	0727	183
132022F210	2867	172	13202L2000	2875	176	9158477	2068	180	641075	1398	183
1320253Y60	1225	173	1320122J01	2882	177	641354	2069	180	641073	1398	183
1320199B10	2868	173	1320122J00	2882	177	641364	2069	180	641074	1398	183
1320199B00	2868	173	1320122301	2882	177	641090	2069	180	641074	1398	183
1320299B10	2869	173	13202V7203	2883	177	641095	2069	180	641403	1399	183
1320299B00	2869	173	13202V7202	2883	177	641096	2069	180	641386	1399	183
13201V5202	2870	173	132010Y000	2884	177	642679	2146	180	641386	1399	183
132010B000	2870	173	1320122J11	2884	177	90295011	2146	180	641385	1399	183
132020B000	2871	173	1320122J10	2884	177	642911	2147	180	4506083	1708	183
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13201BM500	2898	173	132024P400	2885	177	642854	2147	180	4415246	1719	183
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13202BC000	3603	173	1320231N01	2891	177	642789	2157	180	641044	2172	184
132019E000	3604	173	1320231N01	2891	177	642667	2164	181	641000	2172	184

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641300	2173	184	31431941	0590	187	7910025377	0624	190	0948C8	0896	195
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641025	2186	184	31431591	0590	187	094942	0625	190	094885	1706	195
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642168	2188	184	BDU1399	0591	187	094933	0625	190	094871	2010	195
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642165	2188	184	LGH10037	0592	187	094836	0635	191	094978	2011	195
642208	2189	184	1457503	2906	187	094930	0637	191	094861	2012	195
642211	2189	184	4803849	2907	187	094932	0637	191	094977	2013	195
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641085	2314	184	3142H091	4032	187	094851	0696	191	094957	2015	196
642027	2314	184	3142A181	4033	187	3780600	0696	191	094957	2015	196
641400	2315	184	3142H101	4034	187	131336	0696	191	0948E8	2250	196
641086	2315	184	3142A171	4035	187	553421	0696	191	0949E2	2251	196
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96951454	2316	185	3142A051	0577	188	554682	0697	191	0949C8	2254	196
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4805322	2317	185	31431641	0587	188	094961	1273	191	9676359080	2268	197
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96951455	2317	185	31431351	0587	188	094847	0828	192	0948A5	2946	197
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95517881	2362	185	31431104	0588	188	9751668880	0833	192	094841	0616	197
4423303	2363	185	31431701	2905	188	094852	0834	192	094925	0617	197
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641464	2658	185	3142H002	5438	188	094866	0840	192	9603345480	0814	198
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641106	2659	185	3142L081	6502	188	094972	0841	192	094859	0816	198
55565262	2659	185	3142L088	6502	188	094867	0842	193	094863	0816	198
99432873	2671	186	3142D051	6503	188	094967	0843	193	094894	0816	198
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93193443	2924	186	3142A151	6516	189	094891	0849	193	094846	0820	198
642028	2924	186	PEUGEOT		Pag	094865	0850	193	9751668980	0820	198
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641402	2925	186	094965	0103	189	094970	0851	193	094960	0821	198
4708613	2925	186	094839	0600	189	094886 (to 7664)	0854	193	094964	0821	198
93193444	2925	186	094934	0601	189	094892 (from 7665)	0854	193	094973	0821	198
641475	2944	186	094936	0601	189	094992	0855	193	9751669380	0821	198
642052	2944	186	094944	0601	189	0949A6	0855	193	094840	0822	198
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93168105	3652	186	094927	0611	189	094899	0875	194	094884	0846	199
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93161681	3653	186	094833	0618	189	094999	0876	194	0948F6	0848	199
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641042	3910	186	094955	0619	190	0948C6	0877	194	0949A3	0880	199
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PAZ		Pag	094969	0619	190	0949A7	0878	194	094872	0852	199
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2401007015B6	4401	187	094923	0621	190	0949A2	0884	194	094895	0856	199
2401007015B7	4401	187	094928	0621	190	094882	0887	194	094996	0857	199
2401007015B9	4401	187	094831	0622	190	094987	0888	194	094849	0824	200
PERKINS		Pag	7910030957	0622	190	0949A8	0859	194	094853	0824	200
31431681	0578	187	094929	0623	190	094989	0859	194	094950	0825	200
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0948C0	0881	200	5010284848	5296	204	7701463081	0652	206	7701471704	0714	210
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094881	0885	200	7421430918	5298	204	7701460148	0659	206	7701468623	0715	210
094898	0885	200	RENAULT		Pag	7701460143	0659	206	7701471705	0717	210
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094946	2701	201	7701458190	0649	204	7701468960	0800	208	7701462678	2705	211
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0948G7	5640	202	7700638247	0407	205	7701468861	0802	208	7701463603	2705	211
0949E6	5641	202	7700666112	0407	205	7700865550	0802	208	7701463603	2705	211
0949G1	5641	202	7700677772	0407	205	7701468862	0803	208	7701463603	2705	211
R.V.I.		Pag	7701460690	0407	205	7700865551	0803	208	132017444R	2362	211
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21428655	2410	202	7701461802	0407	205	7701469269	0807	208	132024894R	2363	211
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7701030863	2705	202	7700690577	0412	205	7701473101	1007	208	132012274R	3652	211
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21428675	5189	202	7701465172	0414	205	7701474286	1007	208	ROVER		Pag
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153695	5053	203	7438610008	0531	205	132017322R	5288	209	WAM4003	0863	212
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5000663527	5054	203	7700644710	0635	206	RENAULT DIESEL		Pag	TAM1058	1957	212
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5000670121	5054	203	7701460147	0635	206	7701462232	0630	209	ETC4067	2070	212
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5010553312	5292	203	6001548030	0640	206	7700702871	0650	209	11347513020	3408	213
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5000676258	5292	203	7701468419	0641	206	7701462814	0651	209	LGH101100	5606	213
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5010284847	5295	204	7700713788	0652	206	7701471704	0714	210	LGH101330	5805	213

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LR002447	5840	213	1854802	1014	217	032109601G	5242	221	036109601S	3102	226
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LGH000040	6009	213	272804	1020	218	030109611D	5245	221	030109611N	3105	226
ROVER DIESEL		Pag	1361190	1020	218	030109611D	5245	221	06B109601D	3114	226
STC2156	0098	214	1361192	1020	218	030109601AH	5246	221	06B109611C	3115	226
STC2149	0099	214	1361192	1020	218	030109601AD	5246	221	06D109601K	3126	226
ERR1157	0670	214	272804	1020	218	030109611D	5245	222	06E109601E	3126	226
ERR1156	0671	214	1361190	1020	218	030109601G	5248	222	06D109601M	3126	226
ERR1156	0671	214	243477	1021	218	SEAT DIESEL		Pag	06D109611K	3127	226
ERR3777	0672	214	1361197	1021	218	028109601H	1948	222	06D109611L	3127	226
LGH100990	0674	214	243477	1021	218	046109611F	1949	222	06D109611T	3127	226
LGH100980	0675	214	1361197	1021	218	4368843	2711	222	03F109601A	3130	226
LGH101450	0677	214	270247	1022	218	4368845	2712	222	03F109601B	3131	226
LGH101450	0677	214	1360834	1023	218	5996615	2712	222	03F109601C	3131	226
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ERR6612	0679	214	232018	1023	218	028109611G	2971	222	04E109611L	3148	227
LGH10053	0816	215	232018	1023	218	069109601F	3043	222	032109611G	5243	227
LGH10051	0816	215	1360834	1023	218	069109601H	3043	222	030109601AH	5246	227
LGH10052	0821	215	391608	1028	218	074109611	3045	222	030109601AD	5246	227
LGH10054	0821	215	1319081	1028	218	028109601J	3106	222	SKODA DIESEL		Pag
LGH10075	0821	215	1360833	1029	218	028109611K	3107	222	028109601D	2970	227
1311281	2270	215	366256	1029	218	038109601B	3110	223	028109611G	2971	227
1316137	2271	215	278102	1029	218	038109611B	3111	223	028109601B	2972	227
1520918	2271	215	SEAT		Pag	038109611F	3111	223	028109601C	2972	227
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11347791055	3416	215	058109601C	1132	218	03G109611B	3119	223	028109601J	3106	227
SAAB		Pag	058109611M	1133	218	03G109601B	3120	223	028109611K	3107	227
4500849	2170	215	06B109611D	1133	218	03G109611D	3121	223	032109611G	5243	227
4500849	2170	215	058109611E	1135	218	038109601E	3132	223	030109601AH	5246	227
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641357	2185	215	04E109601B	2978	219	03L109611	3143	223	059109601C	3108	227
90410816	4005	215	04E109611J	2979	219	03L109601A	3144	223	059109611B	3109	227
12786696	2192	216	053109611	2980	219	03L109611A	3145	223	038109601B	3110	228
12791961	2193	216	035109601K	3016	219	SETRA		Pag	038109611B	3111	228
12601762	3706	216	053109611	2980	219	03L109601	3142	224	038109611F	3111	228
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9165598	4003	216	078109601E	3038	219	4710500426	3282	224	03G109611D	3121	228
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9179219	4007	216	048109611B	3039	219	03L109611	3143	224	038109611E	3133	228
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SAAB DIESEL		Pag	027109601C	3040	219	SKODA		Pag	059109611K	3139	228
93178587	1398	216	027109611D	3041	219	114020249	0680	224	03L109601	3142	228
93178588	1399	216	026109601A	3042	219	441012093466	0680	224	031109611	3143	228
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642211	2189	216	051109601B	3062	220	441012093476	0681	224	04L109601A	3144	229
641067	2352	217	051109611B	3063	220	114020266	0681	224	03L109611A	3145	229
641380	2353	217	030109601AK	3080	220	047109611	0681	224	04L109611A	3145	229
SCANIA		Pag	030109611S	3081	220	058109601C	1132	224	SMART		Pag
294674	1010	217	030109601AL	3098	220	058109601C	1132	224	1320530001	3248	229
352212	1010	217	030109601AL	3098	220	058109611M	1133	224	1010A124	3248	229
352211	1010	217	030109601T	3099	220	058109611M	1133	224	1320530005	3249	229
1360836	1010	217	036109601S	3102	220	058109611M	1133	224	1011A078	3249	229
294674	1010	217	036109601AD	3102	220	06B109611D	1133	224	1600530001	3250	229
1360836	1010	217	036109611K	3103	220	058109611E	1135	224	1600500027	3251	229
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1361191	1019	217	06B109601D	3114	220	047109601F	2962	225	SMART DIESEL		Pag
289483	1019	217	06B109601H	3114	220	047109611B	2963	225	6600530101	2796	229
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1361197	1021	217	06D109601K	3126	221	04E109611K	2977	225	05175396AA	4218	229
1100997	1023	217	06E109601E	3126	221	04E109601B	2978	225	05175397AA	4219	229
1397521	1023	217	06D109601M	3126	221	04E109611J	2979	225	SOLARIS		Pag
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232018	1023	217	06D109611T	3127	221	078109601E	3038	225	1362696	1179	230
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2026052	5163	217	03F109611C	3131	221	03D109611A	3099	225	51041010410	1631	230
1887056	1011	217	04E109601	3147	221	030109611T	3099	225	1684513	2290	230
1886946	1011	217	04E109611L	3148	221	036109601P	3100	226	1678541	2291	230
1854801	1013	217	030109601L	5240	221	036109611L	3101	226	1404919	5626	230

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1110501227	2773	230	SUZUKI		Pag	TOYOTA		Pag	1371574100	5527	244
1110501257	2773	230	96060053	1380	235	1371131050	0724	239	1371137020	5532	244
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STEYR DAIMLER PUCH DIESEL		Pag	1291571000	3803	236	1371128010	1816	241	1371548010	2547	245
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1291582062	2541	232	SUZUKI DIESEL		Pag	1371110020	5123	241	1371533041	3416	246
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13202AA171	3787	233	094895	0856	237	1371150060	5496	242	13711B1020	3834	246
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13202AA102	3795	233	0949A9	0882	237	1371170060	5498	242	1371151030	5492	246
13202AA161	3795	233	7701473184	1702	237	1371570080	5499	242	137110R010	5493	246
13201AA250	3796	233	7701473183	1703	237	1371151030	5502	242	1371551030	5493	246
13202AA281	3797	233	1291178E00	3850	238	1371115050	5502	242	1371154040	5550	247
13202AA270	3797	233	1291578E00	3851	238	1371115050	5502	242	1371567040	5551	247
13201AA420	3798	233	RF0112111	1710	238	1371515030	5503	242	1371130030	5552	247
13202AA430	3799	233	RF0112121B	1711	238	1371142020	5504	242	1371530030	5553	247
13201AA361	3800	233	1291173J00	2256	238	1371542010	5505	242	UTOS UNIVERSAL		Pag
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1291571C50	3803	233	12911M86J00	2924	238	1371574020	5507	243	D02711	1864	247
13201AA530	3804	234	1291585E00	2925	238	1371162020	5512	243	D022005	1865	247
13202AA560	3805	234	12915M86J00	2925	238	1371562020	5513	243	501007014	1920	247
13201AA351	3806	234	TATA DIESEL		Pag	1371165010	5514	243	501007015	1921	247
13202AA361	3807	234	254705125114	0816	238	1371565010	5515	243	4753526630	4400	247
13201AA390	3808	234	254705125113	0821	238	1371162030	5516	243	4753421198	4401	247
13201AA371	3808	234	3920867	1968	238	1371562030	5517	243	VAN HOOL		Pag
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13202AA411	3809	234	TEMSA		Pag	1371562050	5517	243	1886247	1009	247
13202AA412	3809	234	51041010574	1798	239	1371120020	5522	243	51041010478	1625	248
1371147010	5538	234	51041010546	1799	239	1371520020	5523	243	51041010479	1626	248
1371547010	5539	234	1345509	1844	239	1371146022	5524	243	51041010425	1630	248
SUBARU DIESEL		Pag	1352127	1845	239	1371146021	5524	243	51041010410	1631	248
641072	2924	234	1684513	2290	239	1371546020	5525	243	51041010547	1635	248

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51041010548	1636	248	078109601A	3038	253	036109601AK	3102	257	072109611	1131	261
1345509	1844	248	078109601A	3038	253	036109601S	3102	257	028109601C	2972	261
1352127	1845	248	037109601	3038	253	03C109601L	3102	257	028109611E	2973	261
51041010438	2347	248	048109611B	3039	253	036109611K	3103	257	068109601C	3015	261
51041010439	2348	248	037109611B	3039	253	036109611AE	3103	257	069109601F	3043	261
VAUXHALL		Pag	026109601C	3042	253	03C1096011Q	3103	257	069109601G	3043	261
09158477	2068	248	026109601A	3042	253	03C109611G	3103	257	069109601H	3043	261
90529527	2068	248	048109611A	2980	253	03C109611R	3103	257	068109611L	3045	261
09158474	2069	248	053109611	2980	253	030109601AG	3104	257	068109611M	3045	261
90529529	2069	248	311109601	0734	254	030109601AC	3104	257	069109611	3045	261
90412277	2170	249	113109612A	0735	254	030109611N	3105	257	030109601B	3008	261
90410813	2171	249	311109612	0735	254	06B109601B	3114	257	030109601C	3008	261
641063	2192	249	311109612A	0735	254	06B109601D	3114	257	030109601D	3008	261
641376	2193	249	035109611H	3007	254	06B109601H	3114	257	030109601F	3008	261
1291182010	2540	249	035109611F	3007	254	06B109611C	3115	257	073109601A	3008	261
1291582000	2541	249	026109601C	3042	254	06B109611B	3115	257	073109601D	3008	261
641049	2621	249	026109601A	3042	254	06D109601K	3126	257	030109611C	3009	261
641360	2622	249	035109603	3048	254	06D109601M	3126	257	030109611A	3009	261
46403681	2921	249	035109601C	3048	254	06E109601E	3126	257	030109611B	3009	261
46471639	2922	249	035109601F	3048	254	06L109601	3126	257	068109601L	3044	261
VAUXHALL DIESEL		Pag	040109601	3049	254	06D109611K	3127	257	068109601M	3044	261
4817354	2316	250	036109601AL	3052	254	06D109611L	3127	257	068109601N	3044	261
4817338	2317	250	041109601	3053	254	06D109611H	3127	257	068109611L	3045	261
6260500500	2362	250	041109611	3054	254	06D109611T	3127	257	068109611M	3045	261
6260500800	2363	250	036109611K	3103	254	06J109611A TAPERED	3127	257	069109611	3045	261
93161682	3652	250	036109611K	3103	254	06J109611A TAPERED	3127	257	030109601	3061	261
93161681	3653	250	036109611AE	3103	254	048109611B	3039	258	028109601J	3106	262
VOLKSWAGEN		Pag	030109601C	3008	254	037109611B	3039	258	059109611K	3107	262
311109601	0734	250	030109601D	3008	254	022109601G	3094	258	059109601B	3108	262
052109601	0741	250	030109601F	3008	254	022109611N	3095	258	059109611B	3109	262
052109611	0742	250	073109601A	3008	254	022109601H	3128	258	038109601B	3110	262
043109611	2603	250	073109601D	3008	254	022109611M	3129	258	038109611F	3111	262
043109611A	2603	250	030109601B	3008	254	022109611P	3129	258	038109611F	3111	262
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049109601F	1118	251	030109611A	3009	254	03F109611B	3131	258	062109601	3116	262
049109611F	1119	251	030109611A	3009	254	03F109611C	3131	258	062109611A	3117	262
049109601A	1125	251	030109601	3061	254	04E109601	3147	258	03G109601A	3118	262
049109611A	1126	251	051109601B	3062	254	04E109611L	3148	258	03G109611B	3119	262
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030109601B	3008	251	030109601E	5066	254	030109611A	3009	258	03G109611D	3121	263
030109601D	3008	251	021109601E	3064	255	030109601J	5240	258	03G109601F	3122	263
073109601D	3008	251	021109601H	3064	255	030109601L	5240	258	059109611G	3123	263
073109601A	3008	251	021109601J	3064	255	032109601F	5242	259	038109601E	3132	263
030109601C	3008	251	021109601K	3064	255	032109601G	5242	259	038109611E	3133	263
058109601C	1132	251	021109601L	3064	255	032109611G	5243	259	045109601	3134	263
058109601C	1132	251	021109611F	3065	255	032109611G	5243	259	045109611	3135	263
058109611M	1133	251	021109611G	3065	255	030109601N	5244	259	059109601G	3138	263
06B109611D	1133	251	021109611D	3065	255	030109601M	5244	259	059109611K	3139	263
058109611E	1135	251	036109601AE	3068	255	030109611D	5245	259	038109601F	3140	263
05184127AC	2644	251	036109601AA	3068	255	030109611D	5245	259	038109611G	3141	263
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05184128AE	2645	251	036109611T	3069	255	030109601AD	5246	259	04L109601B	3142	264
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00A109611	2773	251	030109601AK	3080	255	030109601G	5248	259	03L109601A	3144	264
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047109611B	2963	252	030109601AS	3080	255	030109601AB	5250	259	03L109611A	3145	264
052109611	0742	252	030109611S	3081	255	030109601AA	5250	259	04L109611A	3145	264
073109601C	2967	252	030109611AE	3081	255	VOLKSWAGEN DIESEL		Pag	VOLVO		Pag
073109611A	2968	252	030109611AF	3081	255	069109601D	1130	259	3267437	0405	264
035109613	2969	252	077109601Q	3088	255	072109601	1130	259	31044019	0405	264
04E109601A	2976	252	077109611S	3089	255	069109601C	1130	259	31044019	0405	264
04E109611K	2977	252	022109601F	3090	256	068109611D	1131	259	32776932	0406	264
04E109601B	2978	252	022109611B	3091	256	068109611C	1131	259	32674376	0407	264
04E109611J	2979	252	022109601E	3092	256	072109611	1131	259	32776957	0407	264
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026109601D	3006	252	032109601M	3097	256	51041010417	1632	260	3267436	0649	264
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035109611F	3007	252	030109601AL	3098	256	J1371517010	1791	260	32874190	0412	264
036109601	3013	252	030109611T	3099	256	046109601J	1948	260	13177936	0535	265
053109611	2980	253	032109611L	3099	256	028109601H	1948	260	13177928	0536	265
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035109611K	3005	253	030109611T	3099	256	028109601D	2970	260	12766879	0538	265
048109601A	3014	253	036109601P	3100	256	028109611G	2971	260	35472471	0538	265
078109601B	3038	253	036109611L	3101	256	068109611C	1131	261	4635264	0538	265
078109601E	3038	253	036109601AD	3102	257	068109611D	1131	261	13784731	0539	265

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35144914	0540	265	4683033	2122	270	4315062	0248	273
6842421	0544	265	4663795	2123	270	ZETOR		Pag
1397190	0544	265	421680	2124	270	950505	0780	273
6842422	0545	265	4653811	2124	270	950506	0781	273
1397191	0545	265	4711958	2124	270	480005915	0784	273
2453900	0635	265	4675021	2125	270	69010554	0786	273
2458024	0637	265	1545290	2125	270	69010555	0787	273
33422783	0652	266	479204	2125	270	480005014	0788	273
33243997	0653	266	8194223	2125	270	480005015	0789	273
33437385	0653	266	467857	2126	270	ZIL		Pag
33448416	0712	266	8194224	2126	270	2401007014B7	4400	273
33448424	0713	266	467503	2126	270	2401007014B4	4400	273
9454607	1175	266	467682	2126	270	2401007014B9	4400	273
9454610	1176	266	4678553	2126	270	2401007015B6	4401	273
9454608	1177	266	21016539	2411	270	2401007015B7	4401	273
30711639	1262	266	21428679	5189	270	2401007015B9	4401	273
30711638	1263	266	21428675	5189	270	ZOTYE		Pag
30777329	1315	266	4655486	2127	270	MD127840	1442	274
30777328	1316	266	4205530	2127	270	MD127841	1443	274
8694781	1317	266	3825723	2127	270	MD139755	5214	274
8694780	1318	266	4655494	2128	270	MD128435	5216	274
31370617	1856	267	8192143	2128	270	MD339752	5217	274
31330401	1857	267	1556472	2130	270	MD339754	5218	274
31375559	1857	267	1543026	2130	270			
31316318	2266	267	1543027	2131	270			
9487443	2267	267	1556896	2131	270			
31316317	2379	267	863702	2131	270			
9207874	0530	267	1556473	2131	270			
13976410	0530	267	1547492	2141	271			
9207977	0531	267	3169490	2141	271			
1366490	0531	267	20441486	2142	271			
9207880	0531	267	3165234	2142	271			
9471466	0531	267	8148574	2142	271			
9471463	0531	267	20441945	2142	271			
13668827	0531	267	3978768	2143	271			
13668827	0531	267	3978766	2384	271			
1270455	2378	267	8148574	2142	271			
VOLVO DIESEL		Pag	3165234	2142	271			
32879660	0650	267	20478551	2142	271			
32879678	0651	267	3165234	2142	271			
3345515	0714	267	3165234	2142	271			
30852144	0714	267	3165234	2142	271			
30852146	0715	267	20441486	2142	271			
3345516	0715	267	477443	2144	271			
8653745	0879	268	477447	2376	271			
8653744	0880	268	24426433	2402	271			
30711498	0898	268	20739057	2402	271			
30711497	0899	268	20739058	2402	271			
069109601C	1130	268	20513284	2403	271			
9135926	1130	268	20513285	2403	271			
13281472	1130	268	20735572	2404	271			
13280888	1130	268	20459326	2407	271			
13892617	1130	268	20528113	2408	272			
13280896	1131	268	20564039	2412	272			
13281480	1131	268	20450002	2400	272			
13892625	1131	268	8148069	2401	272			
068109611C	1131	268	20516141	2401	272			
9135927	1131	268	20528113	2408	272			
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046109601J	1948	268	20570965	2409	272			
046109611F	1949	268	20740798	2410	272			
31330181	2274	268	20561995	2410	272			
31330182	2275	268	20712128	2410	272			
8631650	2380	269	20768519	2411	272			
8631651	2381	269	20980413	5226	272			
VOLVO INDUSTRIAL		Pag	20833932	5226	272			
4692406	2116	269	20997871	5227	272			
4692406	2116	269	20833936	5227	272			
4220166	2117	269	20540017	5297	272			
4220174	2118	269	21430918	5298	272			
4220174	2118	269	20564020	5298	272			
422285	2118	269	ZASTAVA		Pag			
4230165	2119	269	4265695	0220	273			
4230173	2120	269	4377979	0221	273			
4683025	2121	270	4266321	0222	273			

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G51245	119000150302	1	G552809	55186786	23	G50287	4802126	58	G552750	0220-A2	73
G52082	60737369	1	G50545	5M8023	24	G51039	4676070	58	G52406	7565472	74
G52116	60701202	1	G51264	6N2236	24	G50232		58	G552830	55210016	74
G52119	60579200	1	G51757	7N2051	24	G50284	4578795	58	G50195	4373602	75
G52260	60562594	1	G51239	2P1262	25	G50287	4802126	58	G552805	46816601	75
G52263	60562595	1	G51239	2P1262	28	G51039	4676070	58	G50507	4265699	76
G52263	60562594	1	G52789		30	G50273		59	G51467	4250803	76
G52375	60750222	1	G52850		30	G50278		59	G51940		77
G52403	60810438	1	G552904	4667411	31	G50650	4647838	59	G51943		77
G52601	60810435	1	G552681	05080044AB	31	G50655	4647842	59	G52606		77
G52342	60612835	1	G552902	5066773AA	32	G50900	4672515	59	G51937	81SM6510LC	77
G52527	60612839	1	G552816		32	G52542	4861816	59	G51937	81SM6510LC	78
G52527	60612839	2	G552902	5066773AA	32	G52544	4861811	59	G52504		78
G52342	60612835	2	G52328		34	G50284	4578795	58	G51921		81
G552525	46518800	2	G51956	220510	34	G51355	4733258	60	G52504		78
G552892	9006082	2	G51961	0220-58	35	G50287	4802126	60	G52206		79
G52244	7616998	3	G52298	0220-64	35	G51039	4684422	61	G52500	6172956	79
G52603	4250801	3	G52301	0220-72	35	G51039	4802126	61	G52504		80
G552524	46441525	3	G52314	0220-59	35	G50232		61	G552775		80
G51973	60507152	4	G52298	0220-64	35	G50273		62	G52500	6172956	80
G52475	60811087	4	G52301	0220-72	35	G50278		62	G52564	7402396	83
G52406	7565472	4	G52314	0220-59	36	G50650	4647838	62	G50943	0220-16	83
G552808	55186786	5	G52419	0220-85	35	G50655	4647842	62	G51971		83
G552809	55186786	5	G52422	0221-21	35	G51923	61585072	61	G51993		83
G552830	55210016	4	G52441	0220-84	36	G50942	0220-25	62	G552750	0220-A2	84
G50273		5	G52644	0221-25	36	G51961	0220-58	62	G52836		84
G50278		5	G52654	0220-95	36	G51237	5414143	63	G52944		84
G51923	61585072	5	G552646	0221-24	37	G51238	5414141	63	G552750	0220-A2	85
G52606	4250803	5	G52332	0220-73	37	G51811	4749395	63	G51227	056 103 419A	85
G552805	46816601	5	G52334	0221-19	37	G552797	500391440	63	G52930		85
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G51498	049 103 419	6	G52833	0220-96	37	G50675	4630923	64	G552750	0220-A2	85
G52488	058 103 415	6	G552646	0221-24	37	G50680	4648237	64	G552805	46816601	86
G51227	056 103 419A	7	G52298	0220-64	38	G51811	4749395	64	G50303	EIADDN6510A	86
G52470	037 103 419B	7	G52301	0220-72	38	G50029	987064	65	G51947		87
G51227	056 103 419A	8	G52332	0220-73	38	G50045		66	G50868		91
G52304	027 103 419	7	G52334	0221-19	38	G50146		66	G50869		91
G52472	051 103 419	8	G52435		39	G50480	4294108	65	G52323	12204-PH7-305	92
G52488	058 103 415	8	G52438	0220-91	39	G552811	504053804	65	G52324	12205-PH7-305	92
G52488	058 103 415	9	G52457		40	G50173		67	G52319	12204-PJ7-305	92
G51227	056 103 419A	10	G52529	0220-93	40	G50177		67	G52320	12205-PJ7-305	92
G52488	058 103 415	10	G552750	0220-A2	40	G50507	4265699	66	G52319	12204-PJ7-305	93
G51227	056 103 419A	11	G52836		41	G51801	5924098	66	G52320	12205-PJ7-305	93
G51498	049 103 419	10	G552750	0220-A2	41	G50164		67	G52319	12204-PJ7-305	94
G52470	037 103 419B	10	G52944	XS7Q6510AC	42	G50168		67	G52320	12205-PJ7-305	94
G52470	037 103 419B	11	G552750	0220-A2	42	G50173		68	G552680		95
G51498	049 103 419	11	G51237	5414143	42	G51467	4250803	68	G552683		95
G52488	058 103 415	12	G51238	5414141	42	G50480	4294108	68	G52319	12204-PJ7-305	95
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G52632		13	G52482		48	G552646		69	G52598	12204-P13-305	96
G51871	11121280523	14	G552685	96350913	48	G552524	46441525	69	G52599	12205-P13-305	96
G51913	11121263642	14	G552671	96103034	49	G552525	46518800	69	G52627		96
G52377	11121715373	14	G552686	11115A-70B000	49	G50164		70	G552719	22115-02500	98
G51871	11121280523	15	G552845		49	G52244	7616998	70	G552723	22114-02500	98
G52377	11121715373	15	G52453		50	G52606	4250803	70	G552723	22114-02500	98
G52444	11121735534	15	G552814	24405805	50	G52475	7757052	71	G552725	22114-23901	99
G52444	11121735534	16	G52053	0220-55	50	G52477	7779402	71	G552733	22114-23901	99
G52491		18	G50887	210279	52	G52603	4250801	71	G552734	22115-26000	98
G51871	11121280523	19	G52099		51	G50507	4265699	72	G552783	22114-26000	98
G52271		19	G52101	601 050 09 24	51	G52474	7756897	72	G552725	22114-23901	99
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G52836		20	G50389	240472-5	52	G552821		72	G552733	22114-23901	99
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G552808	55186786	23	G52363	11122-56021	56	G52944		74	G552848	22114-4A000	101

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G50873	3055022R1	102	G52563	B6Y0-10-290	143	G52353	13212-V5010	173	G52641		208
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G51698	8-942067630	103	G52546	B6Z0-10-290	145	G552710	13212-8P360	173	G52585	77 00 859 086	210
G52058	642005	104	G52571	B6Z0-10-280	145	G552712	13213-6N260	173	G52317	WAM4227	212
G52149	94029-347	104	G52572	F2Y1-23-091	145	G52512	13213-53Y60	174	G52499	LGJ10034	212
G52149	94029-347	105	G51334	0370-10-280	148	G52514	13212-53Y60	174	G52551	LGJ100540	212
G552681	611 053 03 29	107	G51335	0305-23-090	148	G552763		176	G52552	LGJ100550	212
G50126	3365788	111	G52346	011-10-290	149	G552765		176	G52290	0220-65	215
G50811	2414268	112	G51311	110 050 65 24	150	G52585		176	G52482		215
G50813	2414269	112	G52275	110 050 53 24	150	G52179	13211-V1700	176	G552636	9399957	216
G51518	2232528	111	G51311	110 050 65 24	150	G52561	13212-54T00	177	G52077	300957	217
G51518	2232528	112	G51684	116 050 36 24	151	G52177		177	G52078	300958	217
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G552910	OK30C-10-291B	116	G52453	606 053 02 30	150	G51951		179	G51227	056 103 419A	219
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G552775	FSY1-10-280	142	G52577		171	G52508	77 00 743 529	208	G51227	056 103 419A	251
G552775	LFY1-10-281	142	G52580		171	G52582		208	G51227	056 103 419A	252

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G52488	058 103 415	255									
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G51227	056 103 419A	259									
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G51316	422320	269									
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G50507	4265699	273									
G51467	4250803	273									



NOTE - NOTE - NOTES - NOTAS

A series of horizontal dashed red lines for writing notes.





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