

MAHLE

Driven by performance

2013/2014

Filtros
Filters
Filtros

AFTERMARKET



MAHLE[®]
ORIGINAL

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**OS PRODUTOS DA MAHLE POSSUEM
CERTIFICAÇÃO COMPULSÓRIA**



Catálogos adicionais

Além deste catálogo*, a MAHLE Metal Leve disponibiliza o seguinte material informativo:

- Catálogo de Pistões, Camisas, Kits e Bronzinas;
- Catálogo de Jogos de Anéis;

- Catálogo de Válvulas, Guias e Sedes de Válvulas;
- Catálogos de Juntas Linha Pesada e Linha Leve.

Esses catálogos estão disponíveis na internet para consulta. Para utilizar esse serviço, é só acessar o site: www.mahle.com.br.

OS PRODUTOS DA MAHLE POSSUEM CERTIFICAÇÃO COMPULSÓRIA

Os produtos MAHLE que possuem certificação compulsória do INMETRO, de acordo com as portarias 301/2011 e 275/2012, são: pistões de liga leve de alumínio (Ciclo Otto e Diesel), pinos de pistão, anéis de pistão, bronzinas planas, bronzinas com flange, buchas e arruelas de encosto.

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A perfeição é a precisão nos detalhes

Nossa especialidade está no motor de combustão interna e nos periféricos. Por exemplo, na Fórmula 1, os kits equipados com componentes MAHLE ganham uma corrida seguida da outra. Obviamente, isto também se aplica ao mercado de equipamento original da indústria automotiva internacional e, conseqüentemente, ao mercado de reposição – porque o que é preferido no mercado de equipamento original também é a primeira opção para reparos e recondiçõamentos. Aproximadamente 3 mil engenheiros de pesquisa e desenvolvimento em nossos centros P&D de Stuttgart, Northampton, Detroit (Farmington Hills e Novi), Jundiaí, Tóquio (Kawagoe e Okegawa) e Shangai trabalham duro para manter esse alto nível de inovação e qualidade, e sua melhoria contínua.

A MAHLE conta com mais de 47 mil empregados, que produzem sistemas de pistão, componentes de cilindro, trens de válvula e sistemas de gerencia-

mento do ar e dos líquidos para a indústria automotiva internacional – e com a mesma inegável qualidade – para o mercado de componentes, atividades apoiadas pela empresa por uma gama de produtos orientados pela demanda do mercado, além de uma grande disponibilidade de entrega e serviços completos.



As melhores referências – no mundo inteiro



Estes clientes de equipamento original confiam na MAHLE em todo o mundo:

Alfa Romeo, Audi, BMW, Case, Caterpillar, Chevrolet, Citroën, CNHTC, Cummins, Dacia, DAF, Daihatsu, Detroit Diesel, Deutz, Dongfeng, Ducati, Ferrari, Fiat, Ford, Freightliner, General Motors, Harley Davidson, Honda, Hyundai, Isuzu, Iveco, Jaguar, John Deere, Kia, Komatsu, Lancia, Land Rover, Mack Trucks, Magna Steyr, MAN, Maserati, Mazda, Mercedes-Benz, Mitsubishi, MWM International, Navistar International, New Holland, Nissan, Opel, Paccar, Perkins, Peugeot, Porsche, Renault, Renault Trucks, Saab, Scania, Seat, Skoda, Smart, Steyr, Stihl, Subaru, Suzuki, Toyota, Vauxhall, Volkswagen, Volvo, Yamaha.

Filtros para automóveis, utilitários e motocicletas

Como fornecedores de sistemas e módulos da indústria global de motores e veículos, desenvolvemos e produzimos sistemas de filtragem altamente eficazes, assim como filtros do ar, óleo, combustível e para cabines.

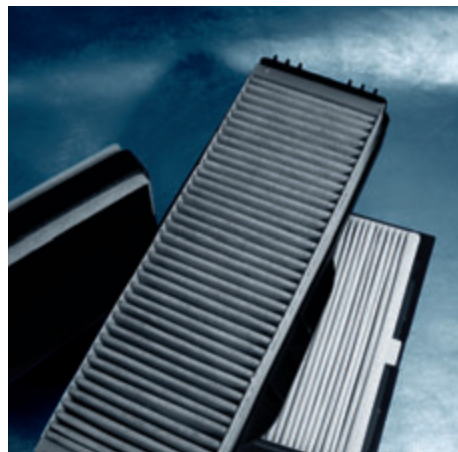
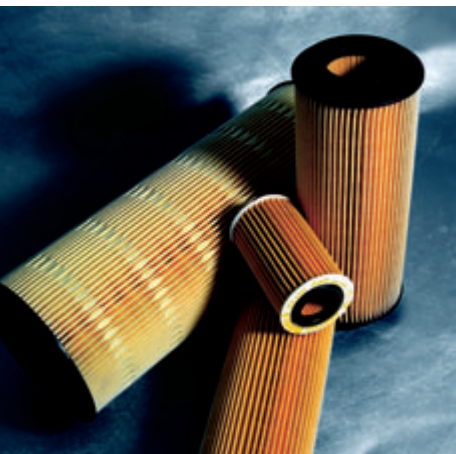
Para preservar o valor e as funções de um veículo, há também a necessidade de atentar para a qualidade das peças de reposição.

Filtros do ar para cabine

Sem filtros do ar para cabine, o nível de poluição dentro do veículo chega a ser seis vezes maior que o da estrada. Portanto, usar um filtro do ar para cabine traz benefícios para a saúde, tanto do condutor como dos passageiros. Os filtros Metal Leve do ar para cabine possuem altos níveis de eficiência, além de extrema durabili-

dade, sendo assim um investimento vantajoso não apenas do ponto de vista da saúde como também da economia.

- Os filtros Metal Leve do ar para cabine retêm 99,5% dos sólidos e aerossóis líquidos contidos nas partículas do ar exterior (partículas de poeira, esporos, fuligem, fumaça e vapores), mantendo-os do lado de fora.
- Os filtros Metal Leve do ar para cabine com cartuchos de dois estágios possuem uma proteção de carvão ativado. Por isso, além de oferecer proteção contra sólidos e aerossóis líquidos, esses filtros reduzem substancialmente as concentrações de ozônio, gases e odores.



Filtros para veículos comerciais e máquinas agrícolas

Sistemas de filtros feitos sob medida para veículos comerciais

Como fornecedor de sistemas para a mais avançada indústria de motores e veículos, desenvolvemos e produzimos – aliados às características do motor, aos fatores de instalação e à área de aplicação – sistemas de filtros otimizados e filtros do ar, óleo, combustível e para o interior dos veículos.

Um adequado e extenso programa de produtos, com elevada cobertura de mercado, está à disposição do mercado de reposição: seja para tratores, colheitadeiras, veículos comerciais, máquinas industriais, veículos especiais ou compressores de ar – a MAHLE tem o filtro otimizado.

Filtros do ar

Meios de filtragem eficientes para diversos sistemas e projetos. Para manutenção e reposição, elementos de segurança protegem a saída do filtro.

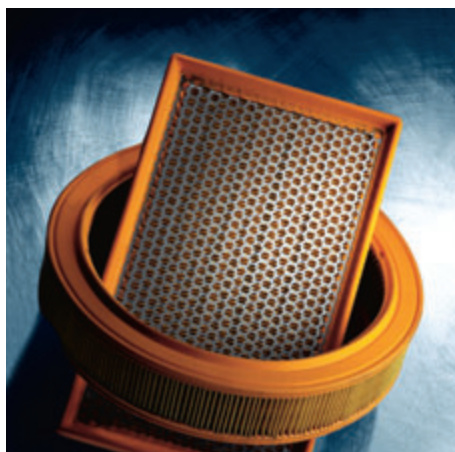
Filtros do óleo

Também com intercambiadores de calor óleo/água e elementos de filtro ecológicos fáceis de trocar.

Filtros do combustível

Também para operação RME*, com elemento de filtro ecológico.

* *Rapeseed Methyl Ester (Biodiesel):
usar quando previamente aprovado pelo
fabricante do veículo.*



Instruções de uso

As denominações de venda se encontram em ordem alfabética. A seguir, detalhamos os seguintes tipos de filtro:

AL = Elemento do secador de ar

G = Filtro do óleo do câmbio

GC = Filtro blindado do óleo do câmbio

H = Filtro do óleo hidráulico

HC = Filtro blindado do óleo hidráulico

HX = Elemento do filtro do óleo hidráulico

K = Filtro do combustível

KC = Filtro blindado do combustível

KL = Filtro em linha do combustível

KX = Elemento para filtro do combustível

L = Filtro do ar

LA = Filtro do ar para cabine

LAG = Filtro do ar para cabine/Kit

LAK = Filtro para conforto de cabine

LAKG = Filtro para conforto de cabine/Kit

LAR = Filtro do ar para cabine/Moldura de plástico

LX = Elementos para filtros do ar seco

LXS = Elementos de segurança para filtros do ar seco

O = Filtros do óleo lubrificante

OC = Filtro blindado do óleo lubrificante

OR = Filtro ecológico do óleo

OX = Elemento para filtro do óleo lubrificante

OZ = Rotor para o centrifugador do óleo

UX = Filtro de ureia

WFC = Filtro para sistema de refrigeração

Abreviações

REFRIG. = Refrigeração

TRANS. = Transmissão

DIR. = Direção

SUC. = Sucção

DESUM. = Desumidificador

COMP. = Compressor

Simbologia

| X | = Aplicação não utiliza filtro de cabine

| ∞ | = Filtro interno para bomba de combustível (Life-Time)

Declaração

Os códigos originais e outras referências das peças dos fabricantes de veículos ou motores estão indicados apenas para comparação.

Em caso de dúvida, favor contatar o nosso SAC – 0800 015 0015. Todas as informações dadas neste catálogo foram cuidadosamente compiladas, mas não têm obrigação contratual.

As modificações referentes aos códigos do motor e dos tipos nas peças dos fabricantes, bem como aos tipos de filtro, também estão sujeitas à mesma ressalva mencionada.

A partir da publicação deste catálogo, todas as edições anteriores perdem a sua validade. Direitos autorais estão reservados. Reproduções totais ou parciais somente poderão ser feitas mediante a nossa permissão prévia por escrito.

Estrutura da página e decodificação dos códigos das peças

MAHLE													
APLICAÇÃO / APPLICATION		MOTOR / ENGINE	ANO / YEAR		5	6	7	8		9	10	11	12
			1°	2°				1°	2°				
1		3	4		5	6	7	8		9	10	11	12
KIA MOTORS													
K3500/3600		2					OC299				X		
Pride		1.3/ 1.3i					OC205				X		
Sephia		1.6i B6	93->				OC205				X		
Sephia 1.5 16V (GTX / LS / Aut.)			01/93-> >12/01				OC195				X		
Sephia 1.6 (GTX)			01/95-> >12/95				OC195				X		
Sephia SLX			01/93-> >12/95				OC195				X		
Sorento		3.5L	04->				OC235/ OC506 PLUS	=			X		
Sorento		3.8L V6	2006->					=			LA301		
Soul		1.6L	2.009 ->		LX2739						X		
Soul		2.0L	2.009 ->		LX2739						X		
SPORTAGE		2.0 16V	2005->		LX1785						LA301		
SPORTAGE		2.7 V6	2005->		LX1785						LA301		
Sportage		DLX Diesel	95->				OC318	KC46			LA301		
Sportage - Gasolina		2.0L	01->				OC205	=			LA301		
Sportage - Gasolina		DLX 2.0 16V	92->		LX1097			KC132			LA301		
KOMATSU													
D122											X	HC81	
D125/D125 A 18		Cummins					OX198D e OX218D				X		
D150/D155A-1 (Após série 20000)		S6 D155 Komatsu Imp.					OX217D/ OX198D				X		
D150/D155A-1 (Até série 19999)		S6 D155 Komatsu Imp.					OX3D				X		
D150/D155A-1 (Série 24805)		S6 D155 Komatsu Imp.						KC133			X		
D155		S1 (série 20000-25483)/ S6D155 Komatsu Imp.					OX217D/ OX198D				X		
D155 A-1		Cummins NT855					OX198D e OX218D	KC133			X		WFC1- REFRIG./ WFC3- PRECAR- GA
D30E - Tratores de esteira		MB OM352	82->		LX236 / LX236/1	LXS41/1	OX197D	KX43/ KX35			X		
D355 A-3		SA6 D 155 Komatsu Imp. 25899					OX217D				X		
D355 A-3		SA6 D 155 Komatsu Imp. 25900					OX198D e OX218D	KC133			X		
D455 A-1		1710 Cummins									X		

- 1 Fabricante
- 2 Veículos/Modelos
- 3 Dados do motor
- 4 Ano de construção
- 5 Filtro do ar primário
- 6 Filtro do ar secundário
- 7 Filtro do óleo
- 8 Filtro do combustível primário
- 9 Filtro do combustível secundário
- 10 Filtro do ar para cabine
- 11 Filtro do óleo hidráulico
- 12 Outros filtros



Overview

EN

english

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**MAHLE PRODUCTS HAVE
MANDATORY CERTIFICATION**



Additional catalogues

In addition to this catalogue*, the following information material is available from MAHLE Metal Leve:

- Valves, Guides and Valve Seats Catalogue
- Heavy and Light Gasket Lines Catalogues
- Catalogue for Piston, Cylinders, Kits and Bearings
- Catalogue for Piston Ring Sets

These catalogues are available for consultation on the our website (www.mahle.com.br).

MAHLE PRODUCTS HAVE MANDATORY CERTIFICATION

The MAHLE products with INMETRO mandatory certification, according to legislations 301/2011 and 275/2012, are: lightweight aluminium alloy pistons (Otto and Diesel cycle), piston pins, piston rings, plain bearings, flanged bearings and thrust washers.

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Perfection is precision in the detail

Our competence is the internal combustion engine and its immediate environment. For example in formula 1, where racing stables equipped with MAHLE components win races again and again. Of course, this applies also to the original equipment market of the international automotive industry and consequently to the aftermarket – because what is preferred in the original equipment market, is also first choice for repair and retrofitting. About 3,000 R&D engineers in our R&D facilities in Stuttgart, Northampton, Detroit (Farmington Hills and Novi), Jundiaí, Tokyo (Kawagoe and Okegawa) and Shanghai work hard to maintain this high level of innovation and quality and keep improving it.

In total, MAHLE has more than 47,000 employees who make piston systems, cylinder components, valve train systems, air management and liquid management systems for the international auto-

motive industry – and in the same uncompromising quality for the component trade, which is supported by us with a demand-oriented product range, high readiness to deliver and comprehensive service.



The best references – worldwide



These original equipment customers trust in MAHLE throughout the world.

Alfa Romeo, Audi, BMW, Case, Caterpillar, Chevrolet, Citroën, CNHTC, Cummins, Dacia, DAF, Daihatsu, Detroit Diesel, Deutz, Dongfeng, Ducati, Ferrari, Fiat, Ford, Freightliner, General Motors, Harley Davidson, Honda, Hyundai, Isuzu, Iveco, Jaguar, John Deere, Kia, Komatsu, Lancia, Land Rover, Mack Trucks, Magna Steyr, MAN, Maserati, Mazda, Mercedes-Benz, Mitsubishi, MWM International, Navistar International, New Holland, Nissan, Opel, Paccar, Perkins, Peugeot, Porsche, Renault, Renault Trucks, Saab, Scania, Seat, Skoda, Smart, Steyr, Stihl, Subaru, Suzuki, Toyota, Vauxhall, Volkswagen, Volvo, Yamaha.

Filters for motor cars, transporters and motorcycles

As system and module supplier of the global engine and vehicle industry, we develop and produce highly effective filter systems and filters for air, oil, fuel and cabin.

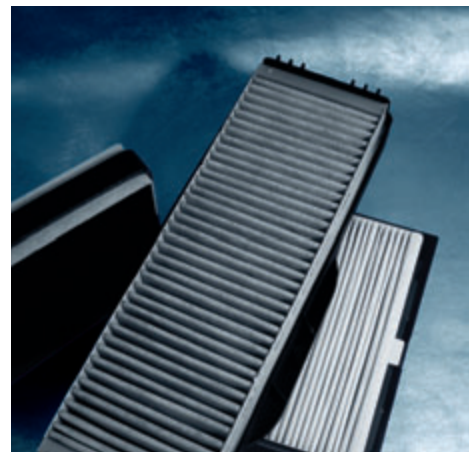
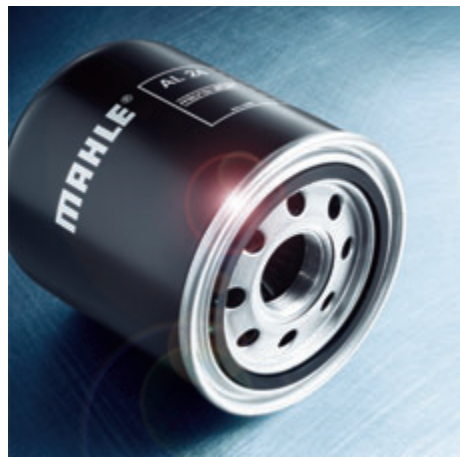
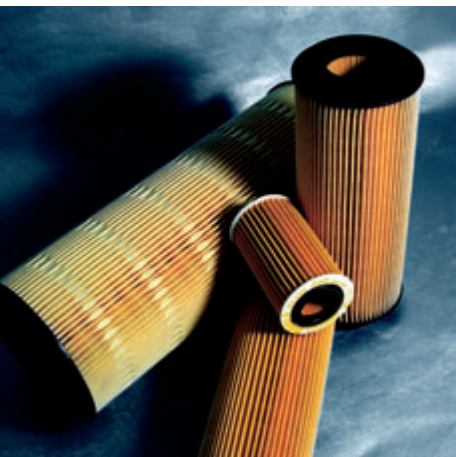
To preserve the value and function of the vehicle, one needs to also pay heed to uncompromising quality with replacement parts.

Cabin air filters

Without cabin air filters, the level of pollutants inside a vehicle is up to six times greater than at the road-side. So using a cabin air filter is a question of the driver and passengers' health. Metal Leve cabin air filters have both high efficiency factors and extreme durability – thus being a sensible investment not only under

health considerations but also in regard to economical aspects.

- Metal Leve cabin air filters catch up to 99.5 % solid and liquid aerosols contained in the outside air (particles such as dust, spores, soot, smoke and fumes), keeping them out of the cabin.
- An activated carbon protective barrier is in action in Metal Leve cabin air filters with two-stage filter media. This filter type therefore offers – additional to protection against solid and fluid aerosols – a dependable reduction in ozone, gas and odour concentrations.



Filters for commercial vehicles and agricultural machinery

Tailor-made filter systems for commercial vehicles

As a systems supplier to the foremost international motor and commercial vehicle industry we develop and produce – attuned to motor characteristics, installation factors and area of application – optimal filter systems and filters for air, oil, fuel and the vehicle interior.

An appropriately broad product program with high market coverage is available for the retail trade: whether for a tractor, harvester, commercial vehicle, plant machinery, special vehicle or compressor – MAHLE has the optimal filter.

Air filters

efficient filter media for diverse systems and designs. For maintenance and exchange, security insets protect the filter exit side.

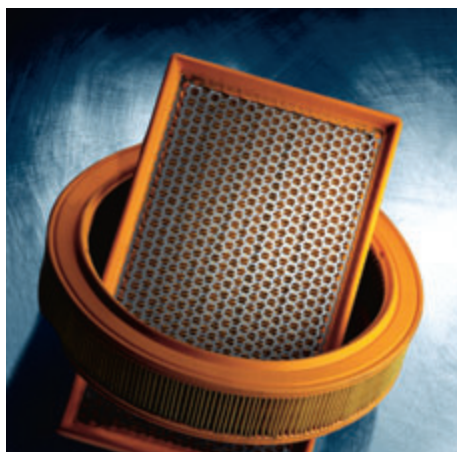
Oil filters

also with oil/water heat-exchangers and easy-to-change eco oil filter elements.

Fuel filters

also for RME* operation, with eco filter element.

* *Rapeseed methyl ester ("Biodiesel"), approval from the vehicle manufacturer is presupposed.*



Instructions for use

Our filter designations are listed alpha-numerically, with letters indicating the specific types of filters:

AL = Air-drying cartridge
G = Gearbox oil filter
GC = Spin-on filters
H = Hydraulic filters
HC = Spin-on filters
HX = Elements for housing filters
K = Fuel filters
KC = Spin-on filters
KL = Inline filters
KX = Fuel filter elements
L = Air filters
LA = Passenger compartment air filter

LAG = Passenger compartment air filter/Kit
LAK = Cabin comfort filter
LAKG = Cabin comfort filter/Kit
LAR = Passenger compartment air filter/
Plastic frame
LX = Air filter elements
LXS = Safety elements for air filters
O = Oil filters
OC = Spin-on filters
OR = Eco oil filter
OX = Oil filter elements
OZ = Rotor for oil extractor
UX = Urea filter
WFC = Coolant filter

Abbreviations

REFRIG. = Refrigeration
TRANS. = Transmission
DIR. = Steering
SUC. = Suction
DESUM. = Air drying cartridge
COMP. = Compressor

Symbology

| X | = Application don't use cabin filter
| ∞ | = Internal filter for fuel pump (Life-Time)

Declaration





Original part numbers as well as others references of vehicle or engine manufacturers are given for internal comparison only.

In case of doubt, please contact us by phone 55-19-34047735 and fax 55-19-34047733. All information given in this catalogue have been compiled carefully, however, they are not binding.

Changes concerning engine and type numbers on the part of the manufacturers and concerning filter types are also subject to this reservation.

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Page structure and decoding of part numbers

MAHLE											
APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR					HIDRÁULICO / HYDRAULIC	OUTROS / OTHER			
			1°	2°		1°	2°				
1	3	4	5	6	7	8	9	10	11	12	
KIA MOTORS											
K3500/3600						OC299		X			
Pride	1.3/ 1.3i					OC205		X			
Sephia	1.6i B6	93->				OC205		X			
Sephia 1.5 16V (GTX / LS / Aut.)		01/93->12/01				OC195		X			
Sephia 1.6 (GTX)		01/95->12/95				OC195		X			
Sephia SLX		01/93->12/95				OC195		X			
Sorento	3.5L	04->				OC235/OC506 PLUS	∞	X			
Sorento	3.8L V6	2006->					∞	LA301			
Soul	1.6L	2.009 ->	LX2739					X			
Soul	2.0L	2.009 ->	LX2739					X			
SPORTAGE	2.0 16V	2005->	LX1785					LA301			
SPORTAGE	2.7 V6	2005->	LX1785					LA301			
Sportage	DLX Diesel	95->				OC318	KC46	LA301			
Sportage - Gasolina	2.0L	01->				OC205	∞	LA301			
Sportage - Gasolina	DLX 2.0 16V	92->	LX1097				KC132	LA301			
KOMATSU											
D122								X	HC81		
D125/D125 A 18	Cummins					OX198D e OX218D		X			
D150/D155A-1 (Após série 20000)	S6 D155 Komatsu Imp.					OX217D/ OX198D		X			
D150/D155A-1 (Até série 19999)	S6 D155 Komatsu Imp.					OX3D		X			
D150/D155A-1 (Série 24805)	S6 D155 Komatsu Imp.						KC133	X			
D155	S1 (série 20000-25483)/ S6D155 Komatsu Imp.					OX217D/ OX198D		X			
D155 A-1	Cummins NT855					OX198D e OX218D	KC133	X			WFC1-REFRIG./ WFC3-PRECAR-GA
D30E - Tratores de esteira	MB OM352	82->	LX236 / LX236/1	LXS41/1	OX197D	KX43/ KX35		X			
D355 A-3	SA6 D 155 Komatsu Imp. 25899					OX217D		X			
D355 A-3	SA6 D 155 Komatsu Imp. 25900					OX198D e OX218D	KC133	X			
D455 A-1	1710 Cummins							X			

- 1 Manufacturer
- 2 Vehicles/Models
- 3 Engine data
- 4 Year of construction
- 5 Primary air filter
- 6 Secondary air filter
- 7 Oil filter
- 8 Primary fuel filter
- 9 Secondary fuel filter
- 10 Cabin air filter
- 11 Hydraulic oil filter
- 12 Other filters



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español

**LOS PRODUCTOS DE MAHLE TIENEN
CERTIFICACIÓN OBLIGATORIA**



Catálogos adicionales

Para completar el presente catálogo*, MAHLE Metal Leve también ofrece las siguientes obras de consulta:

- Catálogo de Pistones, Camisas, Kits y Cojinetes
- Catálogo de Juegos de Anillos

- Catálogo de Válvulas, Guías y Asientos de Válvulas
- Catálogo de Empaquetadura Diesel y Nafta

Estos catálogos están disponibles para consulta en nuestra página web (www.mahle.com.br).

LOS PRODUCTOS DE MAHLE TIENEN CERTIFICACIÓN OBLIGATORIA

Los productos MAHLE que tienen certificación obligatoria del INMETRO, de acuerdo con las Resoluciones 301/2011 y 275/2012, son: pistones de aleación liviana de aluminio (Ciclo Otto y Diesel), pernos de pistón, aros de pistón, cojinetes planos, cojinetes con axial, bujes y arandelas de empuje.

*MAHLE METAL LEVE SE RESERVA DE TODOS LOS DERECHOS, prohibida la comercialización y/o reproducción total o parcial de esta obra, por cualquier medio o proceso, especialmente por sistemas gráficos, fotográficos, reprográficos, fonográficos, videográficos y de microfilmes. Prohibida la memorización y/o la recuperación total o parcial, así como la inclusión de cualquier parte de la obra en cualquier sistema de procesamiento de datos. Estas prohibiciones se aplican también a las características gráficas de la obra y a su edición. La violación de los derechos del autor reservados constituye un crimen (artículo 184 y párrafos del Código Penal de Brasil), con pena de prisión y multa, busca y aprehensión e indemnizaciones diversas (artículo 101 a 110 de la ley 9.610 de 19/02/1998, Ley de los Derechos Reservados del Autor de Brasil).

La perfección es la precisión en el detalle

Nuestro trabajo es el motor de combustión y su entorno inmediato. Por ejemplo en la Fórmula 1, donde los bólidos equipados con componentes MAHLE consiguen una victoria tras otra. Naturalmente estamos presentes también en los primeros equipos de la industria automovilística internacional. Y por ello también en el mercado de recambios: pues lo que se elige para los primeros equipos, se elige también para el recambio. Para mantener este nivel de innovación y de calidad y seguir desarrollándolo, en nuestros centros de investigación y desarrollo en Stuttgart, Northampton, Detroit (Farmington Hills y Novi), Jundiaí, Tokio (Kawagoe y Okegawa) y Shanghai, trabajan alrededor de 3.000 ingenieros de desarrollo.

En total más de 47.000 trabajadores producen en MAHLE sistemas de pistones, componentes de cilindro, sistemas de funcionamiento de válvulas,

sistemas de distribución de aire y sistemas de distribución de líquidos para la industria automovilística internacional y – con la misma calidad incondicional – para el mercado de piezas de recambio, al que abastecemos con una gama de productos adecuada a las necesidades, una alta tasa de servicio y una gran gama de productos.



Las mejores referencias en todo el mundo



Estos son algunos de nuestros clientes de primer equipo, que confían en MAHLE por todo el mundo:

Alfa Romeo, Audi, BMW, Case, Caterpillar, Chevrolet, Citroën, CNHTC, Cummins, Dacia, DAF, Daihatsu, Detroit Diesel, Deutz, Dongfeng, Ducati, Ferrari, Fiat, Ford, Freightliner, General Motors, Harley Davidson, Honda, Hyundai, Isuzu, Iveco, Jaguar, John Deere, Kia, Komatsu, Lancia, Land Rover, Mack Trucks, Magna Steyr, MAN, Maserati, Mazda, Mercedes-Benz, Mitsubishi, MWM International, Navistar International, New Holland, Nissan, Opel, Paccar, Perkins, Peugeot, Porsche, Renault, Renault Trucks, Saab, Scania, Seat, Skoda, Smart, Steyr, Stihl, Subaru, Suzuki, Toyota, Vauxhall, Volkswagen, Volvo, Yamaha.

Filtros para automóviles, vehículos de transporte y motocicletas

Como proveedores de sistemas y módulos para los fabricantes de motores y vehículos, desarrollamos sistemas de filtración y filtros para aire, aceite, combustible y de habitáculo, de alta eficacia.

Es importante utilizar piezas de repuesto de calidad garantizada para mantener el valor y el funcionamiento del vehículo.

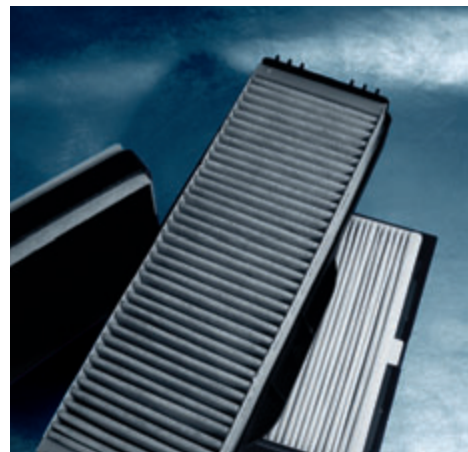
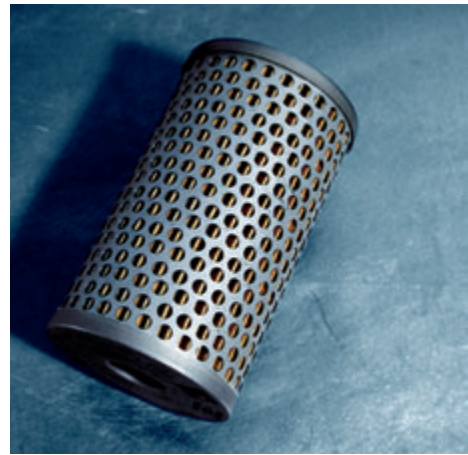
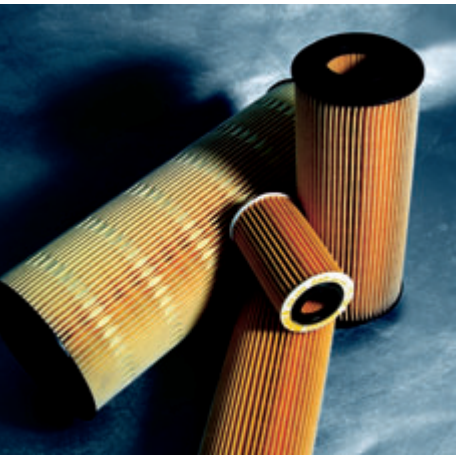
Filtros de habitáculo

Sin un filtro de habitáculo, la concentración de sustancias nocivas en el interior de un vehículo es seis veces más grande que en el exterior, es decir, el filtro de habitáculo vela por la salud de los ocupantes del vehículo.

Los filtros de habitáculo Metal Leve tienen una gran eficiencia y una larga vida útil, de modo que son

una inversión adecuada, tanto desde el punto de vista de la salud como económico.

- Los filtros de habitáculo Metal Leve retienen hasta el 99,5 % de aerosoles sólidos y líquidos (partículas como polvo, polen, hollín y humo).
- Los filtros de habitáculo Metal Leve con cartucho de dos etapas están equipados con un escudo de protección de carbón activo. De esta manera estos filtros, además de la protección contra aerosoles sólidos y líquidos, aseguran la reducción de la concentración de ozono, gases y olores desagradables en el ambiente.



Filtros para vehículos industriales y maquinaria agrícola

Sistemas de filtración hechos a medida para vehículos industriales

En nuestra calidad de proveedores líderes de sistemas para la industria automotriz y de vehículos industriales, desarrollamos y fabricamos sistemas de filtros optimizados, filtros de aire, de aceite y de combustible así como filtros para el interior de vehículos adaptados a las características de motor, condiciones de montaje y ámbitos de aplicación específicos.

Hay un amplio abanico de productos disponibles para múltiples aplicaciones: ya sea para tractores, cosechadoras, vehículos utilitarios, máquinas para la construcción, vehículos especiales o compresores, MAHLE tiene el filtro óptimo para cada caso.

Filtros de aire

medios de filtro eficaces de los modelos más diversos. Para el mantenimiento y la sustitución se utilizan elementos de protección que cubren el lado limpio del filtro.

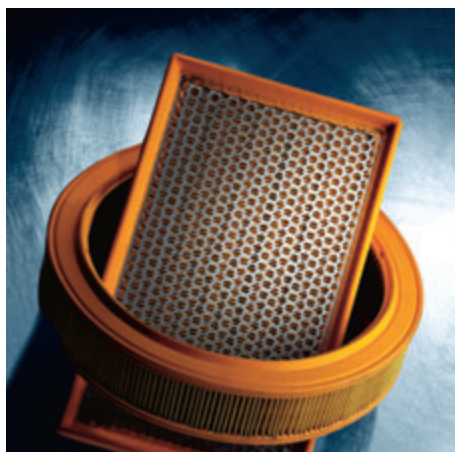
Filtros de aceite

también con intercambiador de aceite/agua y calor y elementos de filtro ecológicos de aceite de fácil cambio.

Filtros de combustible

también para funcionamiento con éster metílico de colza* con elemento de filtro ecológico.

* *Éster metílico de colza ("Biodiesel"), sujeto a la aprobación del fabricante del vehículo.*



Instrucciones de uso

Las denominaciones de venta están por orden alfabético. A continuación les detallamos los siguientes tipos de filtros:

AL = Cartucho del secador de aire
G = Filtro de aceite para la caja de cambios
GC = Filtros recambiables
H = Filtros de aceite hidráulico
HC = Filtros recambiables
HX = Elementos para filtros de cuerpo
K = Filtros de combustible
KC = Filtros recambiables
KL = Filtros en conducto
KX = Elementos para filtros de cuerpo
L = Filtros de aire
LA = Filtros de aire para habitáculo

LAG = Filtro de aire para habitáculo/Kit
LAK = Filtro de confort para el habitáculo
LAKG = Filtro de confort para el habitáculo/Kit
LAR = Filtro de aire para habitáculo/Marco de plástico
LX = Elementos para filtros de aire seco
LXS = Elementos de seguridad para filtros de aire seco
O = Filtros de aceite lubricante
OC = Filtros recambiables
OR = Filtro de aceite ecológico
OX = Elementos para filtros de cuerpo
OZ = Rotor para el centrifugador de aceite
UX = Filtro de adblue
WFC = Filtro para sistema de enfriamiento

Abreviación

REFRIG. = Refrigeración
TRANS. = Engranaje
DIR. = Dirección
SUC. = Succión
DESUM. = Cartucho del secador de aire
COMP. = Compresor

Simbología

| X | = Aplicación no utiliza filtro de cabina
| ∞ | = Filtro interno para bomba de combustible (Life-Time)

Explicaciones

Los números de referencia de los constructores de vehículos y motores se han dado para facilitar la comparación.

En casos de duda les rogamos consultar directamente por el teléfono 55-19-34047735 y fax 55-19-34047733. Los datos de esta lista han sido minuciosamente elaborados, pero no nos responsabilizamos de posibles errores. Tampoco assumimos la responsabilidad sobre modifica-

ciones en los motores y denominación de los artículos por parte de los constructores, así como en los modelos de filtros.





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Configuración de las páginas y claves de los números de artículos

MAHLE														
APLICAÇÃO / APPLICATION		MOTOR / ENGINE	ANO / YEAR		[Icon: Air Filter]		[Icon: Oil Filter]		[Icon: Fuel Filter]		[Icon: Cabin Air Filter]		HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	10	11	12			
1	2	3	4	5	6	7	8	9	10	11	12			
KIA MOTORS														
K3500/3600														
Pride		1.3/ 1.3l												
Sephia		1.6i B6		93->										
Sephia 1.5 16V (GTX / LS / Aut.)				01/93-> >12/01										
Sephia 1.6 (GTX)				01/95-> >12/95										
Sephia SLX				01/93-> >12/95										
Sorento		3.5L		04->										
Sorento		3.8L V6		2006->										
Soul		1.6L		2.009 ->	LX2739									
Soul		2.0L		2.009 ->	LX2739									
SPORTAGE		2.0 16V		2005->	LX1785									
SPORTAGE		2.7 V6		2005->	LX1785									
Sportage		DLX Diesel		95->										
Sportage - Gasolina		2.0L		01->										
Sportage - Gasolina		DLX 2.0 16V		92->	LX1097									
KOMATSU														
D122														
D125/D125 A 18		Cummins												HC81
D150/D155A-1 (Após série 20000)		S6 D155 Komatsu Imp.												
D150/D155A-1 (Até série 19999)		S6 D155 Komatsu Imp.												
D150/D155A-1 (Série 24805)		S6 D155 Komatsu Imp.												
D155		S1 (série 20000-25483)/ S6D155 Komatsu Imp.												
D155 A-1		Cummins NT855												WFC1-REFRIG./ WFC3-PRECAR-GA
D30E - Tratores de esteira		MB OM352		82->	LX236 / LX236/1	LXS41/1								
D355 A-3		SA6 D 155 Komatsu Imp. 25899												
D355 A-3		SA6 D 155 Komatsu Imp. 25900												
D455 A-1		1710 Cummins												

- 1 Fabricante
- 2 Vehículos/Modelos
- 3 Datos del motor
- 4 Año de construcción
- 5 Filtro de aire – primário
- 6 Filtro de aire – secundário
- 7 Filtro de aceite
- 8 Filtro de combustible – primário
- 9 Filtro de combustible – secundário
- 10 Filtro de aire para cabina
- 11 Filtro de aceite hidráulico
- 12 Otros filtros







APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
ADAMS											
Motoniveladoras: 220/- 230/330/440/550/660/777/ PF660/666/777	Detroit 3.71 / 4.71								X		WFC1- REFRIG.
Motoniveladoras: 300/- 330/440/550/660/666/777/H/HR/ NH6/N6.4	Cummins				OX198D OX218D		KC133		X		WFC1- REFRIG.
AGCO											
MF265			LX1687/1	LXS259					X		
AGRALE											
4100 (Máquina Agrícola)	Agrale M93	1999->	LX1802		OC18				X		
4230	Agrale M 790	96->	LX272		OC18		KC113		X	HX15	
5000RD	MWM D229/4	97->	LX275	LXS5/1	OC26		KX43 KX35		X		
6000 (RS/RD/CD)	MWM Sprint 4.07TCA 2.8L	00->	LX1314		OC404		KC121/1 KL41		X		
7000 DX, 7500 DXT	MWM 4.10	94->96	LX243	LXS37/1	OC60		KC121/1 KC18		X		
7000/7500/8500 T	MWM 4.10/4.10 T	97->	LX265	LXS37/1	OC60		KC121/1 KC121 KC119	KC121	X		
8500TDX 4x2, 7000, 7500T	MWM 4.10/4.10 T	97->	LX243	LXS37/1	OC60		KC121 KC119 ⁽²⁾		X		
9200	4.10 TCE	06->			OC60				X		
9200 E-Mec / Furgovan 8000	MWM 4.10 TCA	01/03->			OC60		KC121/1		X		
BF4.150TB	MWM D229/6		LX227	LXS42/1	OC60		KX43 KX35		X	HC76	HC84- TRANS.
BX100, BX4100 Turbo	MWM D229/4D		LX265	LXS37/1	OC60		KX43 KX35		X	HC76	HC84- TRANS.
BX130	MWM D229/6		LX200 LX200/1	LXS40/1	OC60		KC24 KC6D	KX23	X		
BX4110	MWM 229	01/94->	LX265	LXS37/1	OC60		KC18		X	HC76	
BX4.90	MWM D229/4		LX265	LXS37/1	OC26		KX43 KX35	KC18	X	HC76	
BX90	MWM D229/4		LX265	LXS37/1	OC26		KX43 KX35		X	HC76	
Furgovan 6000	MWM Sprint 4.07TCA 2.8L	02->	LX1314		OC404		KC121/1 KL41		X		
Junior	MWM 4.10T	96->	LX910	LXS37/1	OC60		KC18	KC18	X		
MA 7.0	MWM 4.10 T	01/97- >05/00	LX265	LXS37/1	OC60		KC121/1 KC18		X	HX15	
MA 7.0	MWM 4.10 T	00->	LX265	LXS37/1			KC120		X		
MA 7.5 T	MWM 4.10 TCA	01/96- >05/00	LX265	LXS37/1			KC121/1 KC121		X		
MA 7.5 T	MWM 4.10 TCA	06/00->	LX265	LXS37/1			KC120		X		
MA 7.5T - Micro Bus, MA 8.5T - Micro Bus	MWM 4.10T	01/98- >01/99	LX265	LXS37/1	OC35				X	HX15	
MA 7.9	MWM 4.10 TCA	03/06->					KC121/1		X		
MA 8.0	MWM 4.10 TCA	01/05->					KC121/1		X		
MA 8.5	MWM 4.10 TCA	01/96- >05/00	LX265	LXS37/1			KC121/1 KC121		X		
MA 8.5	MWM 4.10 TCA	06/00->	LX265	LXS37/1			KC120		X		
MA 8.5 (E-Tronic)	MWM 4.12 TCE	01/05->	LX1801	LXS219	OC60				X		
MA 8.5T	Cummins B 5.9						KC6D		X	HX15	
MA 9.2	MWM 4.10 TCA	01/02->			OC60		KC121/1		X		
MA 9.2	4.10 TCA	04/05->			OC60				X		
MA 9.2	4.12 TCE	04->			OC60				X		
MA 9.2 (E-Tronic)	MWM 4.12 TCE	01/06->	LX1801	LXS219	OC60				X		

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
AGRALE												
MT 12.0 (LE/SB)	Cummins Int. 4 ISBE	01/06->	LX1801	LXS219	OC60				X			
MT 12.0 (LE/SB)	Cummins Int. 6 ISBE	01/06->	LX1801	LXS219	OC60				X			
T4100, 4200, 4300, 4300 Cambio T	AGRALE M790-D229/4	80->			OC18	KC24 KC6D			X	HX15		OC18- TRANS.
TX1100 Diesel	M 790	82->			OC18	KC24 KC6D			X	HX15		
TX1200, 1600 Álcool	GM 4151	83->	LX902/1		OC301	KL222 KL63			X	HX15		
TX1600 Diesel	MWM D229/3	86->	LX1057		OC26	KC24 KC6D			X	HX15		
TX1800 Diesel	Perkins Q20B4236	82	LX275	LXS5/1	OC324	KC18	KX23		X	HX15		
Volare	MWM Sprint 4.07TCA 2.8L				OC404	KL41			X			
Volare	MWM X10	05/00->	LX265		OC60	KC120			X			
Volare	MWM X10	98-> >05/00	LX265	LXS37/1	OC60	KC121			X	HX15		
Volare A5, A6	MWM Sprint 4.07TCA 2.8L	00->	LX1314	LXS251	OC404	KC121/1 KL41			X	HX15		
Volare A6	MWM 4.07 TCA	01/98-> >12/99	LX265	LXS37/1		KC121/1 KL41			X			
Volare A8	MWM X10	05/00->	LX265	LXS37/1	OC60	KC120			X	HX15		
Volare A8 / 8500	MWM 4.10 TCA	01/98-> >05/00	LX1314	LXS251		KC121/1 KC121			X			
Volare W8	MWM 4.12 TCE	03/06->	LX1801	LXS219	OC60				X			
Volare W9	MWM 4.12 TCE	11/06->	LX1801	LXS219	OC60				X			
W8	MWM 4.10 TCA	04->			OC60				X			
W8	MWM 4.12 TCE	04->			OC60				X			
ALFA ROMEO												
145	2.0 16V	03/98->	LX618		OC66 OC505 PLUS	KL582 (Plus) KL83 ⁽¹⁾				LA34 ⁽³⁾		
145	2.0i	96->	LX618		OC66 OC505 PLUS					LA34		
145, 146	1.9 TD	08/94->	LX453			KC18				LA34 ⁽³⁾		
155	1.9 Turbo Diesel	93->	LX453			KC18				LA34 ⁽³⁾		
155	2.0 16V	95->	LX618		OC66 OC505 PLUS					LA34		
156	2.0	00->			OC66 OC505 PLUS					LA56		
156		10/97->								LA56		
156/156 Sportage (SW/CA)	2.5 MPI V6 24V.	01/03-> >12/03								LA56		
164	3.0 V6 24V	94->				KL2			X			
166	3.0	00->			OC66 OC505 PLUS							
B2500	2.5L	98->			OC274				X			
Spider GTV		86->93			OC23 OC506 PLUS				X			
Spider GTV		95->								LA34		
AM HOIST												
5530	Scania D11			LXS43/1	OC18	KC113			X			
ASIA MOTORS												
825 Micro Ônibus		93->			OC2				X			
Hi Topic	2.7	93->97	LX1068		OC2	KC46			X			

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
ASIA MOTORS											
Hi Topic		97->	LX1094		OC2		KC46		X		
Rocsta		93->94			OC318				X		
Towner 0.8 (todos os modelos)		01/93->12/99	LX1066		OC195				X		
Towner Truck		93->			OC205		KL63		X		
Towner Van/Coach		93->			OC205		KL63		X		
ATLAS COPCO											
AB1202, 1302, ASB1-101-12	Deutz 3/4 Cil.				OC26		KC113		X		
AB1602, 1700, 1702, 1902, 2002	Deutz 6 Cil.			LXS42/1	OC60		KC113		X		
AR - Série 32 C	Deutz F4M 1008	01/92->			OC100 OC505 PLUS				X		
AR - Série 32 E	Deutz F4M 1008	01/93->			OC100 OC505 PLUS				X		
FA1207	Elétrico		LX227	LXS42/1					X		
GA107, 110	STD Compressor Estacionário				OC175				X		
GA1107, 1108, 1110, 1207, 1208, 1209, 1210	Todos STD ou Pack Serv				OC175				X		
GA1407, 1408, 1409, 1410	Todas STD ou Pack Serv.		LX227		OC175				X		
GA207, 208, 209, 210	Todos STD ou Pack Serv				OC175				X		
GA307, 308, 309, 310	Todos STD ou Pack Serv				OC175				X		
GA407, 408, 409, 410	Todos STD ou Pack Serv				OC175				X		
GA507, 508, 509, 510	Todos STD ou Pack Serv				OC175				X		
GA607, 608, 609, 610	Todos STD ou Pack Serv				OC175				X		
GA707	Elétrico			LXS37/1					X		
GA707, 708, 709, 710	Todos STD ou Pack Serv				OC175				X		
GA807	PACK - Compressor				OC175				X		
GA807, 808, 810	Todos STD ou Pack Serv				OC175				X		
GA807, 808, 810, 1107, 1108, 1110, 1207, 1208, 1209, 1210	Pes. Sist. Duplo		LX227	LXS42/1	OC175				X		
GAR30A	Compressor Estacionário		LX272		OC175				X		
P425	Volvo Penta 100A		LX227	LXS43/1	OC30		KX44		X		
PR600	Compressor				OC175				X		
PR700	CUD - Compressor				OC175				X		
PR700TD	Volvo Penta A		LX241	LXS43/1			KX44		X		
PT900, 1200	CAT D334				OX217D		KC114		X		
PT/PTHS/PTS 900/1.200	CAT D343				OC175				X		
RCO810 Perfuratriz	Deutz 6 Cil.				OC60		KC113		X		
ST35, ST48	Deutz 4 Cil.		LX265	LXS37/1	OC26		KC113 KC113		X	OC18	
ST71	Deutz 6 Cil.		LX227	LXS42/1	OC60		KC24 KC24		X	OC18	
ST71 Compressor	Deutz 6 Cil.				OC18				X	OC18	
ST71DD, STS71, STS71DD	Deutz 6 Cil.		LX227		OC60				X	OC18	
ST95	Deutz 6 Cil.		LX275	LXS43/1	OC507		KC24 KC24		X	OC18	
ST95 Compressor					OC18				X	OC18	
VT1, VT3, VT4, VT5	Ford 6 Cil.								X	OC18	





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
ATLAS COPCO											
VT2, VT3	Ford 4 Cil.									X	
VT3 Após Série 212308	Deutz F-4L-514									X	
VT3, VT4	Deutz 4 Cil.	77->								X	OC18
VT3, VT4 Compress.	Deutz F-4L-514									X	
VT4 a partir da série F-223.547	Deutz									X	
VT4DD	Deutz F4L-912									X	
VT5, VT5DD, VT5DDA a partir da série 1967	Deutz F6L-514	67->								X	
VT5, VT5DD, VT5DDA até série 1966	Deutz F6-514	->66								X	
VT5, VT6	Deutz 6 Cil.	77->								X	OC18
VT5, VT6 Compressor	Deutz 6 Cil.									X	
VT6, VT6DD a partir da série 251857	Deutz F6L-514									X	
VT6, VT6DD até série 251856	Deutz F6L-514									X	
XA120DD	Deutz F4L-912									X	
XA120, XA160	Perkins 6354	76->		LXS43/1		OC308		KX23		X	
XA120, XAS120	Perkins 4248		LX227	LXS42/1		OC324		KX23		X	
XA160	Deutz F6L-912			LXS43/1		OC60				X	
XA160	Perkins 6358			LXS43/1		OC18		KX23		X	
XA350DST, XAH350	Scania DS11		LX227	LXS42/1		OC324		KX23		X	
XA40 Compressor portátil	Agrale M 790					OC18				X	
XA60, XA80	Perkins 4203/4236	->74				OX18D		KX23		X	
XA60, XA80	Perkins 4203/4236	75->				OC324		KX23		X	
XAH315,350	Scania DS11					OC175				X	
XA, XAS, XASS120	Perkins 4248					OC175				X	
XA, XAS, XASS120PD	Compressor					OC175				X	
XA, XAS, XASS160	Perkins 6.354					OC175				X	
XA, XAS, XASS175 D	Deutz F6L 913					OC175				X	
XA, XAS, XASS350	Compressor - Scania DS11					OC175				X	
XA, XAS, XASS46 DD	Deutz F2M 1011	01/97->				OC175				X	
XA, XAS, XASS56 DA/DD	Deutz F2M 1011	01/97->				OC175				X	
XA, XAS, XASS60	Perkins 4203/4236					OC175				X	
XA, XAS, XASS60 E	Compressor					OC175				X	
XA, XAS, XASS66 D/DdG	Deutz F3M 1011F	01/97->				OC175				X	
XA, XAS, XASS76 DD	Deutz F3M 1011F	01/97->				OC175				X	
XA, XAS, XASS80	Perkins 4203/4236					OC175				X	
XA, XAS, XASS96 DD	Deutz F3M 1011F	01/98				OC175				X	
XA/ XAS/ XASS 125D	Deutz F4L 913					OC175				X	
XA/ XAS/ XASS 60 E			LX265							X	
XHA120, XA160	Perkins 6354	->75	LX271/2	LXS43/1		OX200D OC175		KX23		X	





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
AUDI											
100	1.8	08/85- >00	LX208/1		OC47 OC522 PLUS				X		
100	1.8	02/85- >11/90	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
100	2.0 4cil.	->07/76			OC47 OC522 PLUS	KL222 KL63			X		
100	2.2 5cil. Gas.	10/82- >88			OC47 OC522 PLUS				LA45		
100	2.2 Gas.	07/84- >12/90			OC47 OC522 PLUS				LA45		
100	2.4 Diesel	05/91- >06/94					KC18		X		
100	2.4 Diesel	09/89- >12/90					KC22		X		
100	2.8	90->94			OC47 OC522 PLUS				LA45		
100 CC/CS/CD	1.8	09/82- >86	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
100 CD	2.1 5cil.Gas.Carb.	10/83- >09/85			OC47 OC522 PLUS				X		
100 D/5D Avant/5D	2.0 5cil.Diesel	78->82			OC324	KC22			X		
100 E	2.2 5cil. Gas.	08/77- >09/82			OC47 OC522 PLUS				X		
100 E	2.2 5cil. Gas.	10/82- >88			OC47 OC522 PLUS				X		
100 E	2.6 V6 Gas.	05/92- >06/94			OC47 OC522 PLUS				X		
100 E	2.6/2.8 V6 Gas.	12/90- >06/94			OC47 OC522 PLUS				X		
100 E/SE	2.0	05/91- >06/94			OC47 OC522 PLUS				X		
100 E/SE	2.0 5cil.Gas.	09/85- >05/91			OC47 OC522 PLUS	KL222 KL63			X		
100 E/SE	2.3 Gas.	09/89- >11/91			OC47 OC522 PLUS				X		
100 E/SE Avant SE	2.0	->09/85			OC47 OC522 PLUS				X		
100 E/SE Avant SE	2.0	10/85- >11/91			OC47 OC522 PLUS				X		
100 LS/DL	1.9	71- >07/76			OC47 OC522 PLUS	KL222 KL63			X		
100 SE	2.1 5cil.Gas.Carb.	08/76- >07/80			OC47 OC522 PLUS	KL222 KL63			X		
100 SE	2.1 5cil.Gas.Carb.	08/80- >82	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
100 Turbo	2.2 Gas.	09/89- >05/91			OC47 OC522 PLUS				X		
100 Turbodiesel	2.0 5cil.Diesel	10/82- >11/91					KC22		X		
100 Turbodiesel após serie P14001	2.5TDi Diesel	01/91- >06/94					KC18		X		
100 (43, 44, 4A, C1-C4)	2.6 E - ABC	03/92- >06/94			OC264				X		
100 (43, 44, 4A, C1-C4)	2.8 E - AAH	12/90- >06/94			OC264				X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
AUDI											
100 (4A, C4)	2.8L 12v V6	01/93- >12/95			OC522 PLUS				LA46 LAK46		
200	2.2	89->00			OC47 OC522 PLUS				X		
200 E	2.2 Gas.	10/79- >09/82			OC47 OC522 PLUS				X		
200 E	2.2 Gas.	10/82- >09/86			OC47 OC522 PLUS				X		
200 Turbo	2.1 Turbo Gas.	04/80- >08/88			OC47 OC522 PLUS				X		
200 Turbo Quattro	2.2	12/87- >08/89			OC47 OC522 PLUS				X		
80	1.3 Gas.	09/72- >07/79	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
80	1.3 Gas.	08/79- >06/81			OC47 OC522 PLUS	KL222 KL63			X		
80	1.6	11/93->	LX208/1		OC47 OC522 PLUS				X		
80	1.6 Gas.	09/75- >10/87	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
80	1.6 Gas.	09/93- >03/95	LX296		OC47 OC522 PLUS						
80	1.8	10/83- >08/89			OC47 OC522 PLUS						
80	1.8	09/89- >10/91	LX208/1		OC47 OC522 PLUS						
80	1.8 Gas.	09/89- >10/91			OC47 OC522 PLUS						
80	1.9 Gas.	09/86- >08/91			OC47 OC522 PLUS						
80	2.0	94->			OC47 OC522 PLUS				LA45		
80	2.0 16V.Gas.	07/90- >06/92			OC47 OC522 PLUS				LA45		
80	2.0 Gas.	11/91- >09/93	LX208/1		OC47 OC522 PLUS				LA45		
80	2.2 20V. Gas.	08/92- >03/95			OC47 OC522 PLUS				LA45		
80	2.2 Gas.	10/94- >12/95			OC47 OC522 PLUS				LA45		
80	2.3	09/91- >06/92			OC47 OC522 PLUS						
80 CD	1.9 Gas.	09/81- >07/83	LX208/1		OC47 OC522 PLUS	KL63					
80 CD/SE	2.0	07/84			OC47 OC522 PLUS				LA45		
80 C/CL/GL	1.3 Gas.	07/81- >08/86	LX208/1		OC47 OC522 PLUS	KL222 KL63			X		
80 D	1.9 Diesel	09/89- >08/91				KC18					
80 E	1.8	09/91- >95	LX208/1		OC47 OC522 PLUS						





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	1°	2°		
AUDI												
80 E/SE	2.0 16V.Gas.	04/94->03/95									LA45	
80 E/SE	2.0 Gas.	09/90->11/91									LA45	
80 E/SE	2.6 V6 Gas.	09/92->03/95									LA45	
80 GL	1.8 Gas.	10/83->08/89	LX208/1									
80 GLE/GTE	1.6/1.8	09/80->07/86										
80 GT	1.6 Gas.	08/73->07/75	LX208/1								X	
80 GTE	1.6 Gas.	08/75->12/76									X	
80 GTE	1.8	10/83->08/89										
80 Quattro (85Q, 89Q, 8A/C, B4)	2.8 - AAH	09/91->12/94									LA45	
80 Quattro (85Q, 89Q, 8A/C, B4)	2.8 E Avant - AAH	08/92->05/95									LA45	
80 S/LS/GL	1.5 Gas.	09/75->	LX208/1								X	
80 Turbodiesel	1.6 Turbodiesel	09/89->91									KC18	
80 Turbodiesel	1.9 turbo Diesel	11/92->95									KC18	
80 (80-89, 8A/C, B1-B4)	2.0 E 16V - ACE	08/92->12/94									LA45	
80 (80-89, 8A/C, B1-B4)	2.8 E - AAH	09/91->12/94									LA45	
81 (80-89, 8A/C, B1-B4)	2.6 E Avant - ABC	07/92->02/96									LA45	
90	2.0 20V. Gas.	05/87->00										
90	2.2 Gas.	07/84->08/89										
90 E/SE	2.3 Gas.	09/89->07/90									X	
90 Turbodiesel	1.6 Turbodiesel	12/86									X	
90 (81, 85, 89, 8A, B2, B3)	2.3 E 20V - 7A (123kW, 167 BHP)	04/90->07/91										
90 (81, 85, 89, 8A, B2, B3)	2.3 E 20V - 7A (125kW, 170 BHP)	08/88->07/91										
A3	1.6	12/96->	LX684								LA31	
A3	1.6	06->									LA31	
A3	1.6 Gas.	09/96	LX684								LA31	
A3	1.6 (8P1/8PA)	05/03->									LA31	
A3	1.6/1.8/1.8T	96->									LA31	
A3	1.8	96->	LX684								LA31	
A3	1.8 20V/ 1.8 20V Turbo	96->	LX684								LA31	
A3 I (8L1)	1.6 - AEH/ AKL/ APF	12/96->									LA31	
A3 I (8L1)	1.6 - AVU	06/00->									LA31	
A3 I (8L1)	1.8 20V - AGN/APG	09/96->									LA31	





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
AUDI												
A3 I (8L1)	1.8 20V Turbo - AGU/AQA/ARX/ARZ/AUM	12/96->					OC264			LA31		
A3 Turbo	1.8 20V.Turbo Gas.	12/96->	LX684					KL79		LA31		
A3 (8L)	1.8L S3 Turbo Quattro	01/99->12/03	LX684				OC47 OC522 PLUS	KL79 KL79/3		LAK63		
A4	1.6 Gas.	10/94->08/95	LX448					KL2		LA45		
A4	1.6/1.8 20V/ TURBO	95->	LX448							LA45		
A4	2.6 V6.Gas.	03/95->	LX448				OC38	KL2		LA45		
A4	1.8 20V. Gas.	10/94->	LX448					KL2		LA45		
A4	2.4 V6.Gas.	08/97->	LX448				OC38	KL2		LA45		
A4	2.8 V6.Gas.	03/96->	LX448					KL2		LA45		
A4	3.0	97->	LX448							LA45		
A4 Automatico	2.0	05->					OC47 OC522 PLUS					
A4 Cambio Multitronic	3.0i 30V.Gas.	01/03->12/04						KL79 KL79/3		LA45		
A4 Todos	2.8	11/94->	LX448							LA45		
A4 Turbo	1.8 20V.Turbo Gas.	10/94->	LX448					KL2		LA45		
A4 Turbodiesel	1.9 turbo Diesel	93->	LX448							LA45		
A4 (B5/8D2, 8D5)	1.6 - ADP/AHL/ANA/ARM	01/95-09/01	LX448				OC264			LA45		
A4 (B5/8D2, 8D5)	1.8 20V - ADR/APT/ARG	01/95-09/01	LX448				OC264			LA45		
A4 (B5/8D2, 8D5)	1.8 20V - AFY	04/95-09/01	LX448				OC264			LA45		
A4 (B5/8D2, 8D5)	1.8 20V Turbo - AEB/ANB/APU/ARK	01/95-09/01	LX448				OC264			LA45		
A4 (B5/8D2, 8D5)	1.8 Turbo - AJL	12/97-09/01	LX448				OC264			LA45		
A6	1.8	96->5/97					OC38			LA46		
A6	2.0	06/94->12/95					OC38			LA46		
A6	2.0 16V.	08/94->					OC38			LA46		
A6	2.3	96->					OC47 OC522 PLUS			LA46		
A6	2.4 V6.Gas.	05/97->	LX448					KL2		LA46		
A6	2.6 V6.	08/94->05/97					OC38			LA46		
A6 C4		94->97								LAK58		
A6 Multitronic	3.0i 30V.Gas.	01/02->	LX448							LA46		
A6 Quattro (4B/C5)	2.2L 20v Turbo S6 - AAN	06/94->07/97					OC522 PLUS			LA46 LAK46		
A6 Quattro (4B/C5)	2.7L Avant Quattro Tiptronic	10/01->12/01	LX448					KL2		LA46 LAK46		
A6 Quattro (4B/C5)	2.7L Quattro Tiptronic	01/00->12/04	LX448					KL2		LA46 LAK46		
A6 Quattro (4B/C5)	2.8L 30v Avant Quattro / Avant Quattro Tiptronic	01/01->12/01	LX448					KL2		LA46 LAK46		
A6 Quattro (4B/C5)	2.8L 30v Quattro / Quattro Tiptronic	01/01->12/01	LX448					KL2		LA46 LAK46		
A6 Todos, S6 Todos		04/97->								LA46		
A6 Turbo	1.8 Gas.	04/97->	LX448				OC38	KL2		LA46		
A6 Turbodiesel	1.9 turbo Diesel	05/97->	LX448							LA46		
A6 (4A, 4B, C4, C5)	2.0 - AAE	06/94->02/97					OC264			LA46		
A6 (4A, 4B, C4, C5)	2.0 - ABK	06/94->02/97					OC264			LA46		
A6 (4A, 4B, C4, C5)	2.6 V6 - ABC	06/94->02/97					OC264			LA46		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
AUDI											
A6 (4A, 4B, C4, C5)	2.8 V6 - AAH	06/94->02/97			OC264				LA46		
A6 (4B/C5)	2.4L 30v Avant	01/99->12/01	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	2.4L 30v (Tiptronic/Multitronic)	01/98->12/03	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	2.7L 30v Avant Tiptronic	01/00->12/01	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	2.8L	01/97->12/01	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	2.8L 30v Avant Tiptronic	01/99->12/01	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	2.8L Avant	01/95->12/97	LX448				KL2		LA46 LAK46		
A6 (4B/C5)	3.0L 30v Avant / Avant Multitronic	01/02->	LX448				KL2		LA46 LAK46		
A8 chassis S032000	2.8 V6 16V.Gas.	07/94->			OC38						
A8 chassis S032000	3.7	09/95->			OC38						
A8 Quattro (4D2, 4D8)	2.8 - AAH	03/94->03/96			OC264						
Allroad I (4BH)	2.7L 30v Quattro Turbo Tip.	01/01->12/05	LX448				KL2		LA46 LAK46		
Cabriolet	2.0	05/93->			OC47 OC522 PLUS						
Cabriolet	2.3 Gas.	07/92->05/94			OC47 OC522 PLUS						
Cabriolet	2.6/2.8 V6.Gas.	05/94->			OC38						
Cabriolet (8G7, B4)	2.0 E - ABK	01/93->10/00			OC264						
Coupê	1.8	85->07/86	LX208/1		OC47 OC522 PLUS				X		
Coupê	1.8	10/86->88			OC47 OC522 PLUS				X		
Coupê	2.0 16V.	10/92->94			OC47 OC522 PLUS						
Coupê	2.0 Gas.	06/89->07/92			OC47 OC522 PLUS						
Coupê	2.2	10/88->09/96			OC47 OC522 PLUS						
Coupê	2.3 20V. Gas.	09/89->11/92			OC47 OC522 PLUS						
Coupê	2.6 V6. Gas.	11/91->09/96			OC47 OC522 PLUS						
Coupê	2.8 Gas.	11/91->09/96			OC47 OC522 PLUS						
Coupê GTE	2.0	08/81->07/86			OC47 OC522 PLUS						
Coupê GT/GT5S	1.9 Gas.	->86	LX208/1		OC47 OC522 PLUS		KL222 KL63		X		
Coupê Quattro (81, 85, 89, 8B)	2.6 E - ABC	08/92->01/97			OC264						
Coupê Quattro (81, 85, 89, 8B)	2.8 E - AAH	08/91->01/97			OC264						
Coupê Turbo	2.2 20V. Gas.	10/90->09/96			OC47 OC522 PLUS						
Coupê (81, 85, 89, 8B)	2.8 E - AAH	09/91->01/97			OC264						
Coupê (81,85, 89, 8B)	2.0 - ABK	09/91->01/97			OC264						
Coupê (81,85, 89, 8B)	2.3 - NG (KAT)	03/90->01/97			OC264						





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
AUDI											
Coupé (81, 85, 89, 8B)	2.6 E - ABC	08/92- >01/97			OC264						
Quattro	2.1	11/80- >07/87			OC47 OC522 PLUS				X		
Quattro Turbo	2.2 Turbo	12/87- >04/91			OC47 OC522 PLUS				X		
S2 Turbo		94->			OC47 OC522 PLUS				X		
S4	2.4 20V.	05/91- >01			OC47 OC522 PLUS				X		
S4 Turbo					OC47 OC522 PLUS				X		
S6 Turbo	2.2 20V	08/94- >01			OC47 OC522 PLUS				X		
TT	1.8 20V Turbo	10/98->	LX684		OC264	KL79			LA31		
TT	1.8 Gas.	99->06	LX684		OC47 OC522 PLUS	KL79			LA31		
TT (8N3, 8N9)	1.8 20V Turbo - AJQ/ APP/ ARY/ AUQ	10/98->	LX684		OC264	KL79			LA31		
TT (8N3, 8N9)	1.8 20V Turbo - AMU/ APX	10/98->	LX684		OC264	KL79			LA31		
V8	3.6/4.2	09/89- >08/93			OC47 OC522 PLUS				X		
BAMBOZZI											
Grupo Gerador Continental	3 Cil.		LX272						X		
Grupo Gerador p/ Solda e Energia 12KVA Mod. Usineiro	Perkins 4203				OX18D	KX23			X		
BANTAN											
450, C450, T450	AC2900, G226				OC67				X		
C266	Ford 401					KX23			X		
S628	MB OM352				OX197D	KX43			X		
SA11, SA12, SA15	Perkins 3152				OX18D	KX23			X		
SA37	Perkins 4236				OC324	KX23			X		
SA41	MB OM314	->82	LXS40/1		OX85D	KX43 KX35			X		
BARBER GREENE											
Acabadora de asfalto 873	Perkins				OX18D	KX23			X		
Acabadoras de asfalto SA37S	Perkins 4236				OC324	KX23			X		
S628	MB OM352				OX197D	KX43			X		
BMW											
316		8/75- >88			OC23	KL222 KL63			X		
316i (E36)	M43B16	07/93- >10/99			OX91D	KL66					
318	4cil.	75->88			OC23	KL222 KL63			X		
318i					OX91D						
318i		10/80- >09/87			OC47 OC522 PLUS				X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
BMW											
318i		80- >09/87			OC23				X		
318i Coupe (E36)	M40B18 (Kat.)	03/92- >04/99			OX91D	KL66					
318i (E36)	M40B18 (Kat.)	12/90- >10/99			OX91D	KL66					
318is Coupe (E36)	M42B18	03/92- >10/95			OX91D	KL66					
318Tdi/Tds		95->				KC18					
318ti Compact (E36)	M42B18	11/94- >08/95			OX91D	KL66					
320	4cil.	8/75- >8/77			OC23	KL222 KL63			X		
320	6cil.	8/77- >11/82			OC235 OC506 PLUS	KL222 KL63			X		
320i	4cil.	->12/82			OC23				X		
320i		->93			OC47 OC522 PLUS						
320i		12/90- >08/95	LX343			KL2					
320i Touring/Conversível	6cil.	12/82- >08/87			OC235 OC506 PLUS				X		
320i Touring/Conversível	6cil.	09/87- >91			OC235 OC506 PLUS				X		
320i (E36)	M52B20	01/95- >10/99	LX343		OX154/1D						
320i/Ci (E46)	M52B20	05/98- >09/00	LX343		OX154/1D	KL66					
320i/Ci (E46)	M52B22	08/00->	LX343		OX154/1D	KL66					
323D		85- >11/88				KC18			X		
323i (E21)		->11/82			OC235 OC506 PLUS				X		
323i (E30)		12/82- >10/86			OC235 OC506 PLUS				X		
323i (E36)	M52B25	03/95- >10/99	LX343		OX154/1D	KL66					
324D	2.4 Diesel	85- >11/88				KC18			X		
325 ETA (E30)		->08/85			OC235 OC506 PLUS				X		
325 ETA (E30)		09/85- >93			OC235 OC506 PLUS				X		
325i 4X4/ Cabrio/Sport/Touring (E30)		10/85->			OC235 OC506 PLUS				X		
325i (E30)		83->90			OC47 OC522 PLUS	KL2			X		
325i (E36)	M52B25	96->97	LX343		OX68D						
325i/Ci (E46)	M52B25	08/00->	LX343		OX154/1D	KL66					
325Td/Tds (E36)		07/93->				KC18					
325Ti E46		2001->			OX154/1D						
328i	2793 cc 24V.	11/94- >08/95				KL2					
328i Cabriolet (E36)	2.8	09/95->	LX343		OX154/1D	KL66					
328i (E36)	M52B28	01/95- >10/99	LX343		OX68D	KL66					
328i/Ci (E46)	M52B28	05/98- >09/00	LX343		OX154/1D	KL66					
330	3.0L	99->05	LX343								





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
BMW											
330i/Ci/Xi (E46)	M54B30	06/00->	LX343		OX154/1D						
518 (E12/E28) -> chassis 4625658		->09/84			OC23	KL222 KL63			X		
518 (E12/E28) chassis 4625659->		->09/84			OC23	KL222 KL63			X		
518i					OX91D				X		
518i (E28)	4cil.	09/83->12/87			OC23				X		
520 (E12)	4cil.	->12/79			OC23				X		
520i	2.0L 12V	01/88->08/90			OC235 OC506 PLUS						
520i (E12)	4cil.	->08/77				KL60			X		
520i (E12)	4cil.	09/77->06/81			OC23				X		
520i (E12)	6cil.	08/77->12/81			OC235 OC506 PLUS				X		
520i (E12/E18/E34)	6cil.	07/81->08/85			OC235 OC506 PLUS				X		
520i (E12/E18/E34)	6cil.	09/85->12/87			OC235 OC506 PLUS				X		
520i (E36)		92->96			OX68D						
520i (E39)	M52B20	01/96->09/00	LX343		OX154/1D	KL66					
520i (E39)		2001->	LX343		OX154/1D						
525 E		83->08/85			OC235 OC506 PLUS				X		
525 E		09/85->88			OC235 OC506 PLUS						
525 (E12)		->04/77			OX200D	KL222 KL63			X		
525 (E12)		05/77->83				KL222 KL63			X		
525i (E30)		83->90			OC47 OC522 PLUS	KL2			X		
525i (E34)	12V	01/88->90			OC235 OC506 PLUS				X		
525i (E34)		91->97			OX68D				X		
525i (E39)		2001->	LX343		OX154/1D						
528 E		83->08/85			OC235 OC506 PLUS				X		
528 E		09/85->88			OC235 OC506 PLUS				X		
528 (E12)		->04/77			OX200D	KL222 KL63			X		
528 (E12)		05/77->83				KL222 KL63			X		
528i (E12)		->08/78				KL60			X		
528i (E39)	M52B28	11/95->09/00	LX343		OX154/1D	KL66					
530i	V8	11/92->98	LX448								
530i		->08/78			OX200D	KL60			X		
530i V8 Touring (E34)	M60B30	09/92->09/96				KL66					
530i V8 (E34)	M60B30	09/92->09/95				KL66	KL2				
530i (E39)		2001->	LX343		OX154/1D						
535i (E39)		09/96->00	LX448								
540i	V8	93->02/94	LX448								





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
BMW											
540i Touring (E34)	M60B30	09/93- >09/96						KL66			
540i V8 (E34)	M60B40	09/93- >09/96						KL66			
540i (E39)	M62B44	04/96- >07/04	LX448					KL66			
625 CCS (E24)		->05/77			OX200D				X		
628 CSI (E24)		09/78- >87			OX200D				X		
630 CS (E24)		->05/77			OX200D				X		
633 CSI (E24)		->03/76			OX200D				X		
633 CSI (E24)		04/76- >05/77			OX200D		KL60		X		
635i (E24)		10/78- >11/80			OX200D				X		
728i (E23)		->08/78					KL60		X		
730i	3.0 V8	06/96->	LX448						X		
730i (E32)	3.0 V8	92- >05/94	LX448						X		
732i (E23)		->08/78					KL60		X		
733i (E23)		->08/78					KL60		X		
735i (E23)		->08/78					KL60		X		
735i (E23)		->11/80			OX200D				X		
735i (E38)		01/96->	LX448						X		
740i (E32/E38)	4.0 V8	92->	LX448						X		
740i (E38)	M60B40	10/94- >10/01					KL66		X		
750i (E38)	M73B54	12/94- >10/01					KL66		X		
830Ci (E31)	M60B30	08/92- >12/99					KL66		X		
840 CSI	4.0 V8	07/93->	LX448						X		
840Ci (E31)	M60B40	02/93- >02/96					KL66		X		
840Ci (E31)	M62B44	01/96- >12/99					KL66		X		
M3 3.2 (E36)	S 50 B 32	09/95- >12/00	LX343		OX68D						
M3 (E30)	2.3	02/86- >90			OC23						
MINI(BMW) Cooper	1.6 l - Gasolina	06/01->			OX175D						
MINI(BMW) Cooper S	1.6 l - Gasolina	03/02->			OX175D						
MINI(BMW) Cooper S	1.6 l - Gasolina	07/04->			OX175D						
MINI(BMW) John Cooper Works	1.6 l - Gasolina	07/04->			OX175D						
One	1.6 l - Gasolina	06/01->			OX175D						
Works	1.6 l - Gasolina	11/03->			OX175D						
X3i (E83)	2.5i 4cil.	06->	LX343								
X3i (E83)	2.5i 6cil.	06->	LX343								
X3i (E83)	3.0i 6cil.	06->	LX343								
X5 (E53)		06/00->			OX154/1D				LAK62		
Z1	2.5	88->91			OC235 OC506 PLUS				X		
Z3	3.0	98->	LX343						X		
Z3 (E36/7)	3.0 V - M54B30	06/00->	LX343		OX154/1D				X		

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
BMW												
Z4 Roadster (E85)	3.0L 6cil.	02->05	LX343						X			
BOB CAT												
M970	Perkins				OC67	KX23			X			
Microcarregadeiras M711, M790	Agrale	82->			OC18	KC24 KC6D			X			OC35
Microcarregadeiras M711, M790	Agrale M790	->81			OC18				X			OC35
BOSCH												
Betoneiras (Elemento de Papel)									X			HX53-DIR.
Bosch Papel 1 litro						KX36	KX36		X			
Bosch Papel 1/2 litro						KX35	KX35		X			
BUCYRUS ERIE												
14B, 22B, 30T	Perkins 6357		LX243		OX200D	KX23			X			
22B	Perkins 6357		LX243			KX23			X			
CARRIER												
Sistema Carrier - Ônibus Rodovi- ário										LA695		
CASE												
1000	Cummins KT1150				OX218D OX198D				X			WFC1- REFRIG.
1050	Case 451B		LX17						X			
1088	Case 6T5.9				OC320	KC24 KC107	KL796		X			
1488						KC24 KC107	KL796		X			WFC1- REFRIG.
150	Detroit 6V 71		LX271/2	LXS43/1		KC24 KC6D			X			
1737	Case 148				OC67				X			
1740	Case 188				OC67				X			
1845C (Pá Carregadeira)	Cummins B5.9				OC320	KC6D			X			
2000 Série - Modelo A2000 (Colheitadeira)	MWM 229-3		LX200	LXS40/1		KX35 KX43			X	HC4		
2470	Scania D11	78->	LX273	LXS44/1		KC113			X	HX51D		
2470 - série 1025257	Case 504 BDT								X	HC85		HX51D- TRANS.
2500	Detroit 4.53N	77->79							X			HX51D- TRANS.
300	Cummins NT855 C380				OX198D OX218D				X			
300 Retroescavadeira	Case 336B	82->83			OC67				X			
310F					OC67				X			
340	Case 188D				OC67				X			
400C					OC18	KC113			X			
4490	Scania D11	86->				KC113			X			
530	Case 188D				OC67				X			
550G			LX2527						X	HC112		

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
CASE												
570 LXT / 570 LXT SERIES / 570 L			LX2527						X			
580 SLE			LX2527						X			
580 SUPER L / 580 SUPER L - SERIES 2 / 580 TLB			LX2527		OC333	KC166	KL796		X			
580CK	Case 188D				OC67				X			
580CK	Série B				OC67				X			
580E	Case 188D				OC67				X			
580E	Perkins 4203				OX18D	KX23			X			
580H	Cummins 4B	96->				KC18			X	HC85		
580H	Perkins 4236				OC324	KX23			X			
580L	Cummins 4B-3.9L	96->	LX2527		OC333	KC119 KC166	KL796		X			WFC2-REFRIG.
580L			LX1142		OC333	KC166	KL796		X			
580L Retroescavadeira	Cummins 3.9L 4 Cil.	01/96->			OC333	KC6D			X			
580V	Perkins 6357		LX973		OX200D	KX23			X			
580V, 580CKV	MWM D222/4	->74			OX47D	KX25			X			
580V, 580CKV	MWM D222/4	75->			OC26	KX25			X			
600, 660	Case importado	->78	LX17		OC67				X			
621 C (Pá Carregadeira)	CUMMINS 6BT 5.9		LX2534				KL870		X			
660	MWM D222/3	->78	LX17		OX47D	KX44			X			
660	MWM D225/6	->78			OC60	KX43 KX35			X			
7000 Série - Modelo 7700	Caterpillar				OC507 OC529				X	HC4		HX15
7000 Série - Modelo 7700	Cummins 6C 8.3L				OC304	KC24 KC107			X	HC4		HX15
7000 Série (Magnum) - Modelo A7000 / 7700	Cummins 6CTA 8.3L		LX760	LXS299	OC304	KC24 KC107			X	HC4		
7000 Série (Magnum) - Modelo A7000 / 7700	Cummins L10		LX760	LXS299	OC304				X	HC4		WFC2-REFRIG.
7000 Série (Magnum) - Modelo A7000 / 7700	Cummins M11		LX760	LXS299	OC304				X	HC4		WFC2-REFRIG.
7000 Série (Magnum) - Modelo A7000 / 7700	Scania DS11		LX760	LXS299	OC18	KC94			X	HC4		
7000 (Colheitadeira de Cana)									LA610	HC99		
721C (PáCarregadeira)	CUMMINS 6CT 8.3M		LX2534						X			
75, 90, 115, 120, 150, 160; Todas 600K	Deutz F-6-413-514				OC60	KC24 KC6D			X			
770					OC67				X			
780CK					OC67				X			
821 (Pá Carregadeira)	Case 6T8.3	1991->1991					KL870		X			
821B (Pá Carregadeira)	Case 6T8.3	1991->1991					KL870		X			
821C (Pá Carregadeira)	CUMMINS 6CT 8.3M		LX2534						X			
825	3368DT				OC67				X			
850	Case 301		LX17						X			
855 P 400 (Aplicação Industrial)			LX760	LXS299	OX198D OX218D	KC133			X			
870	Case 336B				OC67				X			
970	Case 377		LX17		OC67				X			
Brastoft	Motor Cummins L10	95->99			OC541				X			

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CASE											
CA1170, 1175	MWM D225/6-229/6	80	LX236	LXS41/1	OC60	KX43 KX35	KX23		X		
CA1175DS	Perkins 6.354T		LX227	LXS42/1	OC308	KX23			X		
CA875, CA1140	MWM D226/4	79	LX236	LXS41/1	OC26	KX43 KX35	KX23		X		
CASE 254686A1									X	HC106	
CASE L36242, DONALDSON P163425									X	HC105	
CASE N9025, CATERPILLAR 9T5916, DONALDSON P164384									X	HC104	
CASE N9086, DONALDSON P165659									X	HC107	
CS240 (Escavadeira)	Case						KL870		X		
CX240 / 240LR (Escavadeira)	Cummins 6TAA-590						KL870		X		
Ideal 130 M	OM 352		LX265	LXS37/1	OX127D	KX43 KX35			X	HX51D	
Magnum 340	Cummins	10->	LX3259						X		
Modelo 115/ 115P/ 125CK Crawler Series B/ 125PB					OC40		KC113		X	HX107	
P366					OC67				X		
Retroescavadeira 300	Detroit 8 V 71/ Cummins NT 855 C 380		LX760	LXS299					X		
Trator 9310 / 9330	Cummins 6CTA 8.3L						KL870		X		
Trator MX180 Magnum	Cummins 6C 8.3L		LX3261	LXS298			KL870		X		
Trator MX180 Magnum	Cummins 6C 8.3L		LX3261	LXS298			KL870		X		
Trator MX200 Magnum	Cummins 6C 8.3L		LX3261	LXS298			KL870		X		
Trator MX200 Magnum	Cummins 6C 8.3L		LX3259				KL870		X		
Trator MX210	Cummins 6C 8.3L		LX3261	LXS298			KL870		X		
Trator MX210	Cummins 6C 8.3L		LX3259				KL870		X		
Trator MX220 Magnum	Cummins 6C 8.3L		LX3261	LXS298			KL870		X	HC112	
Trator MX220 Magnum	Cummins 6C 8.3L		LX3259				KL870		X	HC112	
Trator MX230	Cummins 6C 8.3L		LX3261	LXS298			KL870		X		
Trator MX230	Cummins 6C 8.3L		LX3259				KL870		X		
Trator MX240 Magnum	Cummins 6CTAA 8.3L	2002->							X	HC112	
Trator MX270 Magnum	Cummins 6CTAA 8.3L	2002->							X	HC112	
Trator MXM135 Maxxum (HCC0030000->)	Cummins 6BT 5.9L	2002->							X	HC112	
Trator MXM150 Maxxum (HCC0030000->)	Cummins 6BT 5.9L	2002->							X	HC112	
Trator MXM165 Maxxum (HCC0030000->)	Cummins 6BT 5.9L	2002->							X	HC112	
Trator MXM180 Maxxum (HCC0030000->)	Cummins 6BT 5.9L	2002->							X	HC112	
Trator STX375 / 425 / 440 / 450 / 500	Cummins QSX15		LX3259						X		
TY 20P-30-45-FC 30-CS 45-TCS 45-60	Deutz 4L 912				OC26		KC113		X		
W14 336B					OC67				X		
W20	MB OM352		LX243	LXS37/1	OX199D	KX43 KX35			X		
W20 até série 6946731	OM352 Industrial					KX43 KX35			X		
W20 E (Pá Carregadeira)	OM 366		LX265	LXS37/1	OX137D				X		
W20 Série acima de 6946732					OX85D	KX43			X		
W26	Case 504 BD/T				OX5D				X		
W36 Após série 6960197						KC24 KC6D			X		

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º

2º

1º

2º

CASE

W36 Até Série 6960196	Scania D11				KC24 KC6D	X		
W36B					KC113	X	HC85	
W36BT - W360	Scania DN11			OC18	KC113 KC113	X		
W36E	Scania DS1192A			OC18	KC113 KC113	X		
W5A	Case 188			OC67		X		
W7E	Perkins 6357			OX200D	KX23	X		

CATERPILLAR

10R, 2144 e SEGS. 22R 942 E SEGS. 13V 682 E SEGS. 87V, 82V				OC121	KC114	X		
1100	Motor de Caminhão			OC336		X		
112 Serie 46D/82F		LX116 LX1062		OX3D		X		
112 Serie 68E/91G				OX3D		X		
112 Serie 89J		LX116 LX1062			KC114	X		
112 Serie 89J1688		LX116 LX1062		OX3D		X		
112 Serie 89J1689-UP		LX116 LX1062		OC121	KC114	X		
112 / 112F / 120G / 120H / 12E / 12G / 130G / 215		LX2528				X		
11R1, 651, 11R652 E SEGS. 14V, 24R 615, 72V, 81V				OC121	KC114	X		
11R, 14V, 61S, 24R		LX1101 LX1063			KC114	X		
12 Serie 13K		LX1101 LX1063			KC114	X		
12 Serie 13K4-568 e Segs.		LX1101 LX1063		OC121	KC114	X		
12 Serie 61M		LX116 LX1062		OC121		X	OX216-DIR. OX216-TRANS.	
12 Serie 61M1-UP		LX116 LX1062		OC121	KC114	X	OX216-DIR.	OX216-TRANS.
12 Serie 73G		LX1101 LX1063		OX3D		X		OX213-DIR./ TRANS. OX219
12 Serie 89H		LX1101 LX1063			KC114	X	OX216-DIR.	OX216-TRANS. OX219
12 Serie 89H1-1224		LX1101 LX1063		OX3D	KC114	X	OX216	OX219
12 Serie 89H1225 e Segs.		LX1101 LX1063		OC121	KC114	X	OX216-DIR.	OX216-TRANS. OX219
12 Serie 89HC13K					KC114	X		OX219
12 Serie 99E		LX116 LX1062		OX3D	KX91	X		OX219
120 Serie 10R /22R		LX1101 LX1063			KC114	X		
120 Serie 10R1-2143 /22RI-941		LX1101 LX1063		OX3D	KC114	X		OX213-DIR./ TRANS.
120 Serie 10R2144-UP /22R942-UP /64U1-UP		LX1063			KC114	X		OX213-DIR./ TRANS.
120 Serie 10R2144 E SEGS		LX1101 LX1063		OC121	KC114	X		OX213-DIR./ TRANS.
120 Serie 13U		LX1101 LX1063			KC114	X	OX213-DIR.	OX216-TRANS.
120 Serie 13U1-681		LX1063		OX3D	KC114	X	OX216-DIR.	OX216-TRANS.
120 Serie 13U682 E SEGS.		LX1101 LX1063		OC121	KC114	X	OX213-DIR.	OX216-TRANS.
120 Serie 13U942-UP		LX1063			KC114	X	OX216-DIR.	OX216-TRANS.
120 Serie 14K		LX1101 LX1063		OX3D	KC114	X		OX213-DIR./ TRANS.
120 Serie 22R942 E SEGS.		LX1101 LX1063		OC121	KC114	X	OX216	OX213-DIR./ TRANS.
120 Serie 61V1-UP /82V1-UP		LX116 LX1062			KC114	X	OX216-DIR.	OX216-TRANS.
120 Serie 64U		LX1101 LX1063		OX3D	KC114	X	OX216	OX213-DIR./ TRANS.


(1) Tipo Exportação





(2) Opcional

(3) Com Ar

(4) Sem Ar



APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER	
		1º	2º			1º	2º				
CATERPILLAR											
120 Serie 82V/87V		LX116	LX1062		OC121			X	OX216-DIR.	OX216-TRANS.	
120B	10R2144 UP-22R942 UP64U1ES	LX1101	LX1063			KC114		X			
120B	13U1-681	LX1101	LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
120B	13U942 UP-87V1 UP	LX1101	LX1063			KC114		X			
120B	14K-10R12143-22R1941	LX1101	LX1063			KC114		X			
120B	82V1 UP-32C	LX1101	LX1063			KC114		X			
120G	87V	LX116	LX1062		OC121	KC114		X	OX216		
12G - Motoniveladora	Caterpillar 3306	LX116	LX1062		OC121	KC114		X	OX216	OX219	
130 Serie 74V		LX116	LX1062		OC121			X	OX216-DIR.	OX216-TRANS.	
130G Serie 74V1-UP		LX116	LX1062			KC114		X	OX216-DIR.	OX216-TRANS.	
14 Serie 12K1-1835		LX1063			OX3D	KC114		X			
14 Serie 12K1836 e Segs.		LX1101	LX1063		OC121	KC114		X		OX213-SUC OX219	
14 Serie 72G		LX1101	LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
14 Serie 72G1-1029		LX1101	LX1063		OX3D	KC114		X			
14 Serie 72G1030 E SEGS.		LX1101	LX1063		OC121	KC114		X	OX216-DIR.	OX216-TRANS.	
14 Serie 96U		LX1101	LX1063		OC121	KC114		X	OX216-DIR.	OX216-TRANS.	
14 Serie 99G					OX3D			X		OX213-DIR./ TRANS.	
140 Serie 11R		LX1101	LX1063			KC114		X		OX213-DIR./ TRANS.	
140 Serie 11R1-651		LX1063			OC121	KC114		X			
140 Serie 14U			LX1063		OC121	KC114		X	OX213-DIR.	OX216-TRANS.	
140 Serie 14U-387			LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
140 Serie 14U388-UP						KC114		X			
140 Serie 24R4922-UP, 11R652-UP			LX1063			KC114		X			
140 Serie 24R/61S		LX1101	LX1063		OC121	KC114		X	OX216	OX213-DIR./ TRANS.	
140 Serie 72V, 81V		LX1101			OC121	KC114		X	OX216-DIR.	OX216-TRANS.	
140B	11R1-851	LX1101	LX1063		OX3D	KC114		X			
140B	11R652 UP-24R942 UP	LX1101	LX1063			KC114		X			
140B	14U388 UP-72V-61V	LX1101	LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
140B	4U1387	LX1101	LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
140B	616-33C	LX1101	LX1063			KC114		X			
140G	5MD1 UP	LX1101	LX1063			KC114		X	OX216-DIR.	OX216-TRANS.	
140G Serie 72V, 81V						KC114		X	OX216-DIR.	OX216-TRANS.	
16 Serie 49G		LX1101	LX1063		OX3D	KC114		X	OX216-DIR.	OX216-TRANS. OX219	
16 Serie 49G554-UP			LX1063		OC121			X	OX216-DIR.	OX216-TRANS.	
16 Serie 93U		LX1100	LXS232		OC122			X	OX216-DIR.	OX216-TRANS.	
1670	Motor de caminhão				OX217D			X			
1673 Demais Séries					OX217D			X			
1674 Série 94B					OX3D	KC114		X			
1676 Série 54B					OX217D	KC114		X			
1693 Série 65B16079					OX217D			X			

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
		1º	2º			1º	2º			
CATERPILLAR										
1693 Série 65B6080									X	
200 Serie 215	96L1->								X	
201 Serie 235	32K								X	
205 Serie 3HC1-UP	Deutz 3HC1-UP								KC113	X
206 Serie 2RC1-UP	Deutz								KC113	X
206 Serie 3GC1-UP	Perkins								KX23	X
211 Serie 5CG1-UP	Deutz								KC113	X
215 Serie 9621-UP		LX116	LX1062						KC114	X
215 Serie 96L		LX116	LX1062						OC121	X
215 Serie 99L; Escavadeiras		LX116	LX1062						KC114	X
215 Series 57Y1-UP, 61Z1-UP, 14Z1-UP		LX116	LX1062						KC114	X
219		LX1774								X
224 Serie 5TC1-UP									OC324	KX23
225 Serie 20S1-UP		LX1101	LX1063						OC121	KC114
225 Serie 51U		LX1101	LX1063						OC336	
225 Serie 51U2832-UP		LX1101	LX1063							KC114
225 Serie 51U589		LX1101	LX1063						OC336	
225 Serie 51U590 e Segs.		LX1101	LX1063						OC336	KC114
225 Serie 61C1-UP		LX1101	LX1063							KC114
225 Serie 76U1-UP		LX1101	LX1063							KC114
227 Serie 10W1-UP		LX116	LX1062							KC114
235 Serie 32K									OC121	KC114
235 Serie 32K1-788										KC114
235 Serie 32K789-UP										KC114
235 Serie 62X1-UP										KC114
235 Serie 81X1-UP										KC114
245 Serie 95V		LX1100	LXS232						OC122	
245B - Minicarregadeira (Ar Radial)	6MF-1>511		LXS7229							X
245B - Minicarregadeira (Ar Radial)	6MF-512>		LXS7229							X
245D - Minicarregadeira (Ar Radial)	4LK		LXS7229							X
245D - Minicarregadeira (Ar Radial)	7ZJ		LXS7229							X
2P4004, 1W3300, 2Y8096, 1R0739									OC529	
2P4005, 1W2660, 2Y8097, 1R0716									OC530	
300 Serie 320B/ 320BL/ 320L/ 330L/ 330LB	Escavadeira								OC507	
3000 Serie	3304 (2B4364->, 4B6032->)/ 3304 (5B1->)/ 3304 (78P1->), 3306 (3N1->)/3306 (63Z1->, 76R273->)/ 3306 (64Z1->, 23C740->), 3306 (66D8891->)/ 3306 (67D1->)								OC507	
3145 Serie 96M/3150 Serie 66P-/97M/3160 Serie 67P/98M									OC336	
3160 Serie 68P									OC336	
3160 Serie 98M	Motor de máquina								OC336	
317		LX1142								X
3204 Serie 45V									OC336	

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º

2º

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CATERPILLAR

APLICAÇÃO / APPLICATION		MOTOR / ENGINE		ANO / YEAR		HIDRÁULICO / HYDRAULIC		OUTROS / OTHER	
				1º	2º	1º	2º		
3208 Serie 40S						OC336		X	
3208 Serie 75V						OC336		X	
3208 Serie 79V		LX1101	LX1063			OC336		X	
3208 Serie 90N						OC336		X	
321 - Caminhão Fora de Estrada (Ar Radial)		LXS7229						X	
3304 Serie 2B4364 e Segs./ 4B6032 e Segs.						OC121	KC114	X	
3304 Serie 5B						OC121	KC114	X	
3304 Serie 78P/ 3306 Serie 3N						OC121	KC114	X	
3306 Serie 66D8891 e Segs./ 23C740 e Segs.						OC121	KC114	X	
3306 Serie 67D						OC121	KC114	X	
3306 Serie 76R273						OC121	KC114	X	
3406 Serie 70V						OC122		X	
3406 Serie 90U/3408 Serie 67U- /3412 Serie 38S						OC122		X	
3406 Serie 91U						OC122		X	
3406 Serie 92U/3408 Serie 28V						OC122		X	
3408B Serie 99U		Motor V8				OC122 OC282(By Pass)		X	
3412 Serie 60M						OC122		X	
35V, 15V								X	OX216-DIR.
36A /5525 E SEGS. 46A 28137 E SEGS. 76V, 77V							KC114	X	
38W							KC114	X	OX216-DIR.
4N5823, 2W2134, 2Y8675, 1R0712							KC222	X	
500 Serie (508-550), 518 (50S206 ->) 528 (51S1->, 97C1->)						OC507		X	
5110B - Escavadeira Frontal		AAA			LXS7229			X	
518 Serie 50S		LX116	LX1062	OX3D		KC114		X	OX216-DIR.
518 Serie 50S1-205		LX116	LX1062	OX3D		KC114		X	OX216-DIR.
518 Serie 50S206 e Segs.		LX116	LX1062	OC121				X	OX216-DIR.
518 Serie 50S206UP, 55U1UP, 94W1UP, 95U1UP		LX116	LX1062			KC114		X	OX216-DIR.
518 Serie 55U / 94U		LX116	LX1062					X	OX216-DIR.
51U 590 E SEGS.							KC114	X	
528 Serie 51S		LX1101	LX1063	OC121		KC114		X	OX216-DIR.
528 Serie 51S129-UP, 97C1-UP							KC114	X	OX216-DIR.
54K Serie 68M1-878; Trator		LX1101					KC114	X	
54K1, 736, 68M1, 650, 54K, 737 E SEGS.							KC114	X	OX216-DIR.
561 92JI-362		LX1101	LX1063	OX3D		KC114		X	OX216-DIR.
561 Serie 54X		LX1101	LX1063	OC507		KC114		X	OX216-DIR.
561 Serie 62A		LX116	LX1062	OX3D				X	OX216-DIR.
561 Serie 85H		LX1101	LX1063	OX3D				X	OX216-DIR.
561 Serie 92J		LX1101	LX1063	OC507		KC114		X	OX216-DIR.
561 Serie 92J363 e Segs.		LX1101	LX1063	OC507		KC114		X	OX216-DIR.
571 95NI-190							KC114	X	HX52-DIR.

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



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HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

CATERPILLAR

APLICAÇÃO / APPLICATION		MOTOR / ENGINE		ANO / YEAR		HIDRÁULICO / HYDRAULIC		OUTROS / OTHER	
		1º	2º	1º	2º				
571 95NI91-UP					KC114		X	HX52-DIR.	HX52-TRANS.
571 Serie 16W		LX1101	LX1063	OC507	KC114		X	OX219-DIR.	HX52-TRANS.
571 Série 64A1151				OX217D			X		OX216-TRANS./DIR.
571 Série 64A152 e Segs.				OX217D			X		OX216-TRANS./DIR.
571 Série 95N		LX1101	LX1063	OC507	KC114		X	HX52-DIR.	HX52-TRANS.
572 96N164-UP		LX1101			KC114		X	HX52-DIR.	HX52-TRANS.
572 96NI-163		LX1101			KC114		X	HX52-DIR.	HX52-TRANS.
572 Serie 40U		LX1101	LX1063	OC507	KC114		X	HX52-DIR.	HX52-TRANS. OX219
572 Série 65A				OX217D			X		OX216-TRANS.
572 Série 65A1175				OX217D			X		OX216-TRANS.
572 Série 65A176 e Segs.				OX217D			X		OX216-TRANS.
572 Serie 96N		LX1101	LX1063	OC507	KC114		X	HX52-DIR.	HX52-TRANS.
583 78UI-UP		LX1100	LXS232		KC114		X	HX52-DIR.	HX52-TRANS.
583 Serie 21A				OX3D	KX91		X		
583 Serie 61A				OX3D			X	OX216	HX52-TRANS.
583 Serie 78V		LX1100	LXS232	OC122			X	HX52-DIR.	HX52-TRANS. OX219
583R - Assentador de Tubos			Motor 3406 C	LXS7229			X		
594 Série 62H				OX217D			X		HX52-TRANS.
594 Serie 96V				OC122	KC114		X	HX52-DIR.	HX52-TRANS.
594H - Assentador de Tubos (Ar Radial)			96V	LXS7229			X		
594H - Assentador de Tubos (Ar Radial)			96V	LX1777	OC122	KC114	X	HX52	
613 Serie 38W		LX1101	LX1063	OC336	KC114		X	HX52-DIR.	OX216-TRANS.
613 Serie 71M/71M11377		LX1101	LX1063	OC336			X	HX52-DIR.	OX216-TRANS.
619 Série 61F/62F		LX1101	LX1063	OX217D			X	HX52	OX217D-TRANS.
621			12Y	LX1100	LXS232		X	OX216-DIR.	OX216-TRANS.
621			85KD	LX1100	LXS232		X	OX216-DIR.	OX216-TRANS.
621 Serie 15U		LX1100	LXS232	OC507	KX91		X	HX52-DIR.	OX216-TRANS.
621 Serie 23H				OX3D	KX91		X	HX52-DIR.	OX216-TRANS.
621 Serie 35V		LX1100	LXS232	OC507			X	OX216-DIR.	OX216-TRANS.
621 Serie 46P		LX1100	LXS232	OC122			X	OX216-DIR.	OX216-TRANS.
623 Serie 46P1-UP		LX1100	LXS232	OC122	KC114		X	OX216-DIR.	OX216-TRANS.
623 Serie 52U				OX3D			X		OX216-TRANS.
623 Serie 52V1-UP				OX3D	KC114		X	OX216-DIR.	OX216-TRANS.
627 Serie 14S1-UP, 15S1-UP		LX1100	LXS232	OC122	KC114		X	OX216-DIR.	OX216-TRANS.
627 Serie 54K1451e Segs.				OC121	KC114		X	OX216-DIR.	OX216-TRANS.

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar



APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

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CATERPILLAR

APLICAÇÃO / APPLICATION	MOTOR / ENGINE		ANO / YEAR		HIDRÁULICO / HYDRAULIC	OUTROS / OTHER
	1º	2º	1º	2º		
627 Serie 54K737-888	LX1101	LX1063			KC114	X HX52-DIR. OX216-TRANS.
627 Serie 54K889-1450	LX1101	LX1063			KC114	X HX52-DIR.
627 Serie 68M1551-UP	LX1100	LXS232	OC121		KC114	X OX216-DIR. OX216-TRANS.
627 Serie 68M651-878	LX1101	LX1063	OC507		KC114	X HX52-DIR. OX216-TRANS.
627 Serie 68M879 e Segs.	LX1100	LXS232			KC114	X
627 Serie Trator 54K-1736/68M1650/54K737 e Segs.			OX3D		KC114	X
627 Serie Trator 54K, 68M1878 - Obs: OX216 - somente p/ 68M1878	LX1101	LX1063			KC114	X HX52-DIR. OX216-TRANS.
630 Serie 14G			OX217D		KX91	X HX52-DIR. HX52-TRANS.
630 Serie 637 (64M1305->)/ 637 (91N374->, 92N1->)			OC507			X
631 Serie 13G			OX217D		KX91	X HX52-DIR. HX52-TRANS.
631 Serie 13G3687-UP			OC122		KC114	X HX52-DIR.
631 Serie 24W			OC122		KC114	X OX216-DIR. OX216-TRANS.
631 Serie 67M			OX217D		KC114	X HX52-DIR. OX216-TRANS.
631D - Escrêiper 24W		LXS7229				X
631E - Escrêiper 1AB-1>1639	LX1777	LXS7229	OX216		KC114	X
632 Serie 14G			OX217D		KX91	X HX52-DIR. HX52-TRANS.
632 Serie 14G81-UP					KC114	X HX52-DIR. HX52-TRANS.
633 Serie 25W					KC114	X OX216-DIR. OX216-TRANS.
633 Serie 44J			OX217D		KC114	X HX52-DIR. HX52-TRANS.
633 Serie 66782-UP					KC114	X OX216-DIR. OX216-TRANS.
633 Serie 66M1781						X HX52-DIR. HX52-TRANS.
633 Serie 66M782 e Segs.						X OX216-TRANS.
633D - Escrêiper (Ar Radial) 25W		LXS7229				X
637 Serie 26W/27W			OC122			X OX216-DIR. OX216-TRANS.
637 Serie 63M305-UP					KC114	X
637 Serie 64N1304					KC114	X OX216-TRANS.
637 Serie 65M, 79P			OX217D		KC114	X HX52 OX216-TRANS.
637 Serie 92N1204					KC114	X OX216-TRANS.
637 Serie 92N205-UP					KC114	X OX216-DIR.
637 Serie Scrapers 91N-1373/64M11304			OX3D		KC114	X OX216-TRANS.
637 Serie Scrapers 91N/64M					KC114	X OX216-TRANS.
637 Serie Scrapers 92N/ 91N374 e Segs./ 64M1305 e Segs.			OC121		KC114	X OX216-TRANS.
637D - Escrêiper (Ar Radial) 26W, 27W	LX1777	LXS7229	OC122			X OX216
637D TR - Escrêiper (Ar Radial) 27W	LX1777	LXS7229	OC122			X OX216
639D - Escrêiper (Ar Radial) 99X		LXS7229				X
641 Serie 65K					KC114	X HX52 OX216-TRANS.
641 Serie 65K1-900			OX3D		KC114	X HX52 OX216-TRANS.
641 Serie 65K901 e Segs.			OC122		KC114	X HX52 OX216-TRANS.
641 Serie Trator 64F/41M			OX217D		KX91	X HX52-DIR. HX52-TRANS.

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º

2º

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2º

CATERPILLAR

APLICAÇÃO / APPLICATION		MOTOR / ENGINE		ANO / YEAR						HIDRÁULICO / HYDRAULIC	OUTROS / OTHER
				1º	2º						
650 Serie 58K								KC114	X	HX52	OX216-TRANS.
650 Serie 58K1-354							OX3D	KC114	X	HX52	OX216-TRANS.
650 Serie 58K355 e Segs.							OC122	KC114	X	HX52	OX216-TRANS.
650 Serie 63F/77F							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
651 Serie 33G/44M							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
651 Serie 67K								KC114	X	HX52	OX216-TRANS.
651 Serie 67K1-508							OX217D	KC114	X	HX52	OX216-TRANS.
651 Serie 67K509 e Segs.							OC122	KC114	X	HX52	OX216-TRANS.
651E - Escreiper (Ar Radial) 89Z		LXS7229							X		
657 Serie 68K1-826 e 68K829							OX3D	KC114	X	HX52	OX216-TRANS.
657 Serie 68K827 e Segs. - Exceto 68K829							OC122	KC114	X	HX52	OX216-TRANS.
657 Serie Scrapers 19G							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
657 Serie Trator 31G/46M							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
657 Serie Trator 68K								KC114	X	HX52	OX216-TRANS.
657E - Escreiper 6PR		LXS7229							X		
657E - Escreiper (Ar Radial) 90Z, 91Z		LXS7229							X		
657E - Escreiper (Ar Radial) 86Z, 87Z		LXS7229							X		
660 Serie 58K								KC114	X	HX52	OX216-TRANS.
660 Serie 58K1-354							OX3D	KC114	X	HX52	OX216-TRANS.
660 Serie 58K355 e Segs.							OC122	KC114	X	HX52	OX216-TRANS.
660 Serie Trator 77F/90F							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
666 Serie 20G205-UP								KC114	X	HX52	HX52-TRANS.
666 Serie 66K1-226							OX3D	KC114	X	HX52	OX216-TRANS.
666 Serie 66K227 e Segs.							OC122	KC114	X	HX52	OX216-TRANS.
666 Serie Scrapers 20G/18G							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
666 Serie Trator 66K								KC114	X	HX52	OX216-TRANS.
666 Serie Trator 77F/32G/64H							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
67M								KC114	X		
68M-879 E SEGS.		LX1100 LXS232					OX3D	KC114	X		
68M 651 E SEGS.								KC114	X		
72G-12K-96V								KC114	X		
72G 1030 E SEGS. 12K 1836 E SEGS. 96V							OC121		X		
769 Serie 1X (Fora de estrada)							OC122		X	HX52-DIR.	OX216-TRANS.
769 Serie 99F (Fora de estrada)							OX217D		X	HX52	HX52-TRANS./DIR.
769 Serie 99F1230 e Segs. (Exceto 99F1231, 99F1238)							OX217D	KC114	X	HX52-DIR.	HX52-TRANS.
769 Serie 99H-11229/99F1231/99F1238							OX217D	KX91	X	HX52-DIR.	HX52-TRANS.
769C - Caminhão (Ar Radial) 1X-6325>		LX1777 LXS7229					OC122	KC114	X	HX52	OX216
769D - Caminhão 5SS, 5TR, 8BB		LXS7229							X		

(1) Tipo Exportação





(2) Opcional

(3) Com Ar

(4) Sem Ar



APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CATERPILLAR											
771C - Caminhão	3BJ-200>		LXS7229						X		
771D - Caminhão	6JR		LXS7229						X		
771D - Caminhão			LXS7229						X		
773 63G253-858					OX217D	KC114			X	HX52-DIR.	HX52-TRANS.
773 63G859 e Segs.					OC122	KC114			X	HX52-DIR.	HX52-TRANS.
773 63WI-UP					OC122	KC114			X	HX52-DIR.	HX52-TRANS.
773 Serie 63G (Fora de Estrada)					OX3D	KC114			X	HX52-DIR.	HX52-TRANS.
773B - Caminhão Fora de Estrada (Ar Radial)	63W		LXS7229						X		
773B - Caminhão Fora de Estrada (Ar Radial)	63W	LX1777			OC122	KC114			X	HX52	
773D - Caminhão Fora de Estrada	7CS		LXS7229						X		
773D - Caminhão Fora de Estrada	7ER		LXS7229						X		
775 - Caminhão Fora de Estrada			LXS7229						X		
775B - Caminhão Fora de Estrada (Ar Radial)	7XJ		LXS7229						X		
777 Serie 84A		LX1100	LXS232		OX3D				X	HX52-DIR.	HX52-TRANS.
777B					OC122	KC114			X	OX216-DIR.	OX216-TRANS.
785 8GB1-UP					OC122	KC114			X	HX52-DIR.	OX216-TRANS.
789					OC122	KC114			X	OX216-DIR.	OX216-TRANS.
793B, 270 Ton.					OC122	KC114			X	OX216-DIR.	OX216-TRANS.
810 Série 814 90P157->					OC507				X		
814 90P157-UP, 14R1-UP			LX1063			KC114			X	HX52-DIR.	OX216-TRANS.
814 Serie Compactadores 90P1-156					OX3D	KC114			X	HX52-DIR.	OX216-TRANS.
814 Serie Compactadores 91P-157 e Segs.		LX1101	LX1063		OC121	KC114			X	HX52-DIR.	OX216-TRANS.
814B Serie 16Z1-UP						KC114			X	OX216-DIR.	OX216-TRANS.
815 Serie Compactadores 91P1-243						KC114			X	HX52-DIR.	OX216-TRANS.
815 Serie Compactadores 91P244 e Segs.		LX1101	LX1063			KC114			X	HX52	OX216-TRANS.
815 Serie Compactadores 91P920 e Segs. exceto 91P925	Caterpillar 3306				OC507	KC114			X	HX52-DIR.	OX216-TRANS.
815B Serie 17Z1-UP						KC114			X	OX216-DIR.	OX216-TRANS.
816 Serie 15Z1-UP									X	OX216-DIR.	OX216-TRANS.
816 Serie Compactadores 57U	Caterpillar 3306	LX1101	LX1063		OC507	KC114			X	OX216-DIR.	OX216-TRANS. OX219
824 Serie 36H430-UP						KC114			X	HX52-DIR.	HX52-TRANS.
824 Serie Compactadores 29G		LX1101	LX1063		OX217D	KX91			X	HX52-DIR.	HX52-TRANS.
824 Serie Compactadores 36H					OX217D				X	HX52	HX52-TRANS.
825 Serie 43N					OX217D	KC114			X	HX52-DIR.	HX52-TRANS.
825 Serie 43N1-493						KC114			X	HX52-DIR.	HX52-TRANS.
825 Serie 43N494-UP						KC114			X	HX52-DIR.	HX52-TRANS.
825C Serie 86X1-UP					OC122	KC114			X	OX216-DIR.	OX216-TRANS.
826 Serie 58U					OX217D	KC114			X	HX52-DIR.	HX52-TRANS.




APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO / HYDRAULIC	OUTROS / OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
CATERPILLAR												
834 Serie 43E					OX217D	KX91			X		HX52-DIR.	HX52-TRANS.
834 Serie 43E362-UP						KC114			X		HX52-DIR.	HX52-TRANS.
835 - Compactador	44N		LX1777		OC122	KC114			X		HX52	
835 Serie 44N					OX217D	KC114			X		HX52-DIR.	HX52-TRANS.
835 Serie 44N1-298						KC114			X		HX52-DIR.	
835 Serie 44N299-UP						KC114			X		HX52-DIR.	
89J						KC114			X			
910 Serie Pá Carregadeiras 80U					OC336				X		OX216	
916 Serie 2XB1-UP			LX116			KC114			X			
91N, 92N, 64N						KC114			X			
920 Serie 62K13389/ 62K3394			LX116	LX1062	OX3D	KC114			X		HX52-DIR.	OX216-TRANS.
920 Serie 62K3390 e Segs.- exceto 62K3394			LX116	LX1062	OC507	KC114			X		HX52-DIR.	OX216-TRANS.
920 Serie 62K4606-7094, 62K7095-UP			LX116	LX1062		KC114			X		HX52-DIR.	OX216-TRANS.
920 Serie 75J1-UP			LX116	LX1062		KC114			X		HX52-DIR.	OX216-TRANS.
920 Serie Pá Carregadeiras 62K			LX116	LX1062		KC114			X		HX52-DIR.	OX216-TRANS.
922 C Serie 25K					OX3D	KX91			X		HX52-DIR.	HX52-TRANS.
922 Serie 88J			LX116	LX1062	OX3D	KC114			X		HX52	OX3D
922 Serie Pá Carregadeiras 59A/94A					OX3D	KC114			X		HX52	OX3D
924F	Caterpillar				OC507				X		HC112	
924G (3DZ1, 3PZ1, 6YW1, 9SW1)	CAT 3056T	1999->							X		HC112	
928G (6XR1, 7SR1, DJD1, WLG1)	CAT 3116T	1998->							X		HC112	
930 Serie 41K1-2626			LX116	LX1062	OX3D	KC114			X		HX52-DIR.	OX216-TRANS.
930 Serie 41K2327, 5314			LX116	LX1062		KC114			X		HX52-DIR.	OX216-TRANS.
930 Serie 41K/ 41K12326/ 41K2327 e Segs.			LX116	LX1062	OX3D				X		HX52-DIR.	OX216-TRANS.
930 Serie 71H			LX116	LX1062	OC507	KC114			X		HX52-DIR.	OX216-TRANS.
930 Serie 73M1-UP, 79J1-UP			LX116	LX1062		KC114			X		HX52-DIR.	OX216-TRANS.
930 Série 938 / 938 G-F	Caterpillar				OC507				X			
930T - Pá Carregadeira	Caterpillar 3304		LX116		OC507	KC114			X		HX52-DIR.	
931 Serie 78U/10N					OC336				X		OX216	
936 Serie 33Z1-UP, 45Z1-UP	1HJ		LX1101			KC114			X			
938F (7SN)									X		HC112	
938G II	CAT 3126B (ATAAC-HEUI)								X		HC112	
93N-94N-72W-91V-92V			LX1101	LX1063		KC114			X			
941 Serie 80H-3085-UP, exceto 80H-3087			LX116	LX1062		KC114			X		OX216-DIR.	OX216-TRANS.
941 Serie 80H/ 80H13085			LX116	LX1062	OX3D				X		OX216-DIR.	OX216-TRANS. OX219
941 Serie 80H/ 80H3086 e Segs. (exceto 80H3087)			LX116	LX1062	OC507				X		OX216-DIR.	OX216-TRANS. OX219
943 Serie 31Y-UP			LX116			KC114			X			
943 Serie 4Z1-UP, 19Z1-UP			LX116			KC114			X			
944 Serie 43A			LX116	LX1062	OX3D				X		HX52	OX3D

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER	
			1º	2º		1º	2º				
CATERPILLAR											
944 Serie 58A1-UP			LX116	LX1062	OX3D		KC114		X	HX52-DIR.	
944 Serie 87J			LX116	LX1062	OX3D		KC114		X	HX52	OX3D
950 Serie 31K/ 31K11015			LX116	LX1062	OC121		KC114		X	HX52-DIR.	OX216-TRANS.
950 Serie 81J1-4272			LX116	LX1062	OX3D		KC114		X	HX52-DIR.	OX216-TRANS.
950 Serie 81J4273 e Segs./ 31K1016 e Segs.			LX116	LX1062	OC507		KC114		X	HX52-DIR.	OX216-TRANS.
950 Serie 81J5411-UP, 31K1201-UP			LX116	LX1062			KC114		X	HX52-DIR.	OX216-TRANS.
950 Série 950 F	Caterpillar				OC507				X		
950B Serie 22Z1-UP							KC114		X		
950G II	CAT 3126B (ATAAC-HEUI)								X	HC112	
950G (8JW)									X	HC112	
950H									X	HC112	
950Serie 90A			LX116	LX1062	OX3D				X	HX52-DIR.	OX216-TRANS.
951 Serie 19H1-UP			LX116	LX1062			KC114		X		
951 Serie 69H1-UP			LX116	LX1062	OX3D		KC114		X	OX216-DIR.	OX216-TRANS.
951 Serie 79H/ 86J			LX116	LX1062	OX3D		KC114		X	OX219-DIR.	HX52-TRANS.
951 Serie 86J1-1991			LX116	LX1062	OX3D		KC114		X	OX219-DIR.	HX52-TRANS.
951 Serie 86J1992 e Segs.			LX116	LX1062	OC507		KC114		X	OX219-DIR.	HX52-TRANS.
953 Serie 5Z1-UP, 76Y1-UP			LX1101				KC114		X		
955 Serie 12A					OX3D				X	HX52	
955 Serie 12A					OX3D				X	HX52-DIR.	
955 Serie 13X			LX1101	LX1063	OC121		KC114		X	OX216-DIR.	OX216-TRANS.
955 Serie 13X1-UP, 57M1-UP, 8Y1-UP			LX1101	LX1063	OC507		KC114		X	OX216-DIR.	OX216-TRANS.
955 Serie 60A			LX116	LX1062	OX3D				X	HX52	OX3D
955 Serie 61H			LX1101	LX1063	OX3D		KC114		X	HX52-DIR.	OX216-TRANS.
955 Serie 85J1, 4729E, 85J4732, 33, 37			LX1101	LX1063	OX3D		KC114		X	HX52	OX216-SUC. OX3D-DIR.
955 Serie 85J4730 e Segs.- exceto 85J4732, 33, 37			LX1101	LX1063	OC507		KC114		X	HX52	OX216-SUC. OX3D-DIR.
955 Serie 85J9510-UP			LX1101	LX1063			KC114		X	HX52-DIR.	OX216-TRANS.
962G II (AXS1, AXY1, AYE1, BAB)	CAT 3126B (ATAAC-HEUI)								X	HC112	
962H									X	HC112	
9637							KC114		X		
966 Serie 25U			LX1101	LX1063	OC507		KC114		X	HX52-DIR.	
966 Serie 33A			LX1101	LX1063	OX3D				X		OX3D
966 Serie 75A			LX1101	LX1063	OX3D				X	HX52	OX3D
966 Serie 76J1-4836, 30K1-1337							KC114		X	HX52-DIR.	OX216-TRANS.
966 Serie 76J15269/ 30K11400			LX1101	LX1063	OX3D		KC114		X	HX52-DIR.	
966 Serie 76J5270-UP, 30K1401-UP			LX1101	LX1063	OC507		KC114		X	HX52-DIR.	OX216-TRANS.
966D Serie 99Y1-UP			LX1101				KC114		X	OX216-DIR.	OX216-TRANS.
966R	Caterpillar 3306				OC507				X		
973 Serie 32Z1-UP			LX1100	LXS232			KC114		X		
977 Serie 11K							KC114		X	HX52-DIR.	HX52-TRANS.

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
CATERPILLAR												
977 Serie 11K-4071-UP					OC507		KC114		X		HX52-DIR.	HX52-TRANS.
977 Serie 11K1-4070					OX3D		KC114		X		HX52-DIR.	
977 Serie 46H			LX1101	LX1063	OX3D		KC114		X		HX52-DIR.	HX52-TRANS.
977 Serie 53A					OX3D		KC114		X		HX52	OX3D
977 Serie 95X1-UP							KC114		X		HX52-DIR.	HX52-TRANS.
980 Serie 42H			LX1101	LX1063			KX91		X		HX52-DIR.	OX216-TRANS.
980 Serie 63X			LX1100	LXS232	OC122				X		OX216-DIR.	OX216-TRANS.
980 Serie 8964784-UP							KC114		X		OX216-DIR.	OX216-TRANS.
980 Serie 89P							KC114		X		HX52-DIR.	OX216-TRANS.
980 Serie 89P1-1529, 89P1-1539					OX3D		KC114		X		HX52-DIR.	OX216-TRANS.
980 Serie 89P11878			LX1101	LX1063			KC114		X		HX52-DIR.	OX216-TRANS.
980 Serie 89P1530, exceto 89P1539					OC507		KC114		X		HX52-DIR.	OX216-TRANS.
980 Serie 89P1540-1878					OC507				X			
980 Serie 89P1879 e Segs.			LX1100	LXS232	OC507		KC114		X		HX52-DIR.	OX216-TRANS.
980 Serie 89P4784-UP			LX1100	LXS232			KC114		X		HX52-DIR.	OX216-TRANS.
983 Serie 38K					OX217D		KC114		X		HX52-DIR.	HX52-TRANS.
988A Serie 87A1-879A							KC114		X		HX52	HX52-TRANS./DIR.
988A Serie 87A19074					OX217D		KX91		X		HX52-DIR.	HX52-TRANS.
988A Serie 87A19075 e Segs.					OX217D		KX91		X		HX52-DIR.	HX52-TRANS.
988B Serie 50W					OC122				X		OX216-DIR.	OX216-TRANS.
992 Serie 25K1169					OX3D				X		HX52-DIR.	HX52-TRANS.
992 Serie 25K1170 e Segs.			LX1100	LXS232	OX3D				X		HX52-DIR.	HX52-TRANS.
992C - Carregadeira de Rodas (Ar Radial)	42X		LX1777						X		HX52	
992C Serie 42X					OC122				X		HX52-DIR.	HX52-TRANS.
99J-10K-17R465 E SEGS. 69V-3X-4X-5X-6X-23V-24V-74W-75W							KC114		X			
Challenger 35			LX1774						X			
Challenger 36			LX1774						X			
Challenger 55			LX1774						X			
CP Série CP-533-C - Rolo Vibratório	Caterpillar				OC507				X			
D10 Serie 84W			LX1100	LXS232	OC122				X		HX52-DIR.	HX52-TRANS.
D3 Serie 79U					OC336				X			OX216-TRANS.
D330 Serie 2B/4B	Motor industrial				OX3D		KC114		X			
D333 Serie 23C					OX3D		KC114		X			
D333 Serie 66D					OX3D		KC114		X			
D343 Serie 33B	Motor Marítimo				OX217D				X			
D343 Serie 33B2567 e Segs.	Motor Marítimo				OX217D		KC114		X			
D343 Serie 62B					OX217D				X			
D346 Serie 39J1521					OX217D				X			

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º

2º

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2º

CATERPILLAR

APLICAÇÃO / APPLICATION	ANO / YEAR		HIDRÁULICO / HYDRAULIC	OUTROS / OTHER
	1º	2º		
D346 Serie 39J1522 e Segs.			OX3D	X
D346 Serie 40J1245			OX217D	X
D346 Serie 40J1246 e Segs.			OX3D	X
D348 Serie 36J1560			OX217D	X
D348 Serie 36J1561 e Segs.			OX3D	X
D348 Serie 38J1192			OX217D	X
D348 Serie 38J1193 e Segs.			OX3D	X
D349 Serie 61P			OX3D	X
D349 Serie 62P			OX3D	X
D353 Serie 46B			OX217D	X
D353 Serie 46B1558 e Segs.			OX217D KC114	X
D353 Serie 47B			OX217D	X
D353 Serie 47B1710 e Segs.			OX217D KC114	X
D379 Serie 68B12539			OX217D KX91	X
D379 Serie 68B12540 e Segs.			OX3D	X
D379 Serie 69B11226			OX217D KX91	X
D379 Serie 69B11227 e Segs.			OX3D	X
D398 Serie 66B13560			OX217D KX91	X
D398 Serie 66B13561 e Segs.			OX3D	X
D398 Serie 67B11390			OX217D KX91	X
D398 Serie 67B1391 e Segs.			OX3D	X
D399 Serie 35B1687			OX217D KX91	X
D399 Serie 35B688 e Segs.			OX3D	X
D399 Serie 91B1386			OX217D KX91	X
D399 Serie 91B1387 E Segs.			OX3D	X
D4 Série - D4D (97F11818->)				X HC112
D4 Serie 20- J/39A/40A/78A/85A/86A/22C			OX3D	X
D4 Serie 28X1727-UP	LX116	LX1062	KC114	X OX216- DIR.
D4 Serie 29X1-UP, 72X1-UP, 52X1-UP	LX116	LX1062	KC114	X OX216 OX216- DIR.
D4 Serie 74U1-UP, 97F1-UP	LX116	LX1062	OX3D KC114	X OX216- TRANS.
D4 Serie 74- U/82J1/82J3256/83J11810/84J11 389 (Exceção Serie 82J13259)			OX3D	X
D4 Serie 82J-3256, 82J-3260UP, 82J-181UP, 84J-139OUP	LX116	LX1062	KC114	X OX216- TRANS.
D4 Serie 82J1-3259, 83J1-1810, 84J1-1369	LX116	LX1062	OX3D KC114	X OX216- TRANS.
D4 Serie 82J, 83J, 84J, 97F, 74U, 76W, 77W	LX116	LX1062	KC114	X OX216- TRANS.
D4 Série D4 (76W, 77W, 97F)/ D4 (82J3256)/ D4 (82J3260->, 83J1811->)/ D4 (84J1390->)			OC507	X
D4H Serie 2AC1-UP	LX116		KC114	X OX216 OX216- TRANS.
D4H Serie 3AC1-UP	LX116		KC114	X OX216 OX216- TRANS.
D4H Serie 8PB1-UP	LX116		KC114	X OX216 OX216- TRANS.
D4H Serie 9DB1-UP	LX116		KC114	X OX216 OX216- TRANS.

APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º

2º

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2º

CATERPILLAR

APLICAÇÃO / APPLICATION MOTOR / ENGINE	ANO / YEAR		HIDRÁULICO / HYDRAULIC	OUTROS / OTHER
	1º	2º		
D5 Serie 26X1-UP, 21Y1-UP	LX1063		KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 81H/82H/83H/84H	LX116 LX1062	OX3D		X OX216-DIR. OX216-TRANS.
D5 Serie 93J-678 e Segs./ 94J1705 e Segs.		OC507	KC114	X OX216-TRANS.
D5 Serie 93J1-677	LX1063	OX3D	KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 93J905-UP	LX1063		KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 93J/94J/95J/96J/98J	LX1101 LX1063		KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 94HI705-2448			KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 94J1-1704		LX1063	OX3D KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 95J1-309	LX1063	OX3D	KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 95J310 e Segs.		OC507	KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 96J1-2797		LX1063	OX3D KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 98J1-1133		LX1063	OX3D KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 98J1134 e Segs.		OC507	KC114	X OX216-DIR. OX216-TRANS.
D5 Serie 98J1591-UP		LX1063	OC507 KC114	X OX216-DIR. OX216-TRANS.
D5 Série D5B - Esteira Caterpillar		OC507		X OX216-DIR. OX216-TRANS.
D5H Serie 1DD1-UP			KC114	X OX216-DIR. OX216-TRANS.
D5H Serie 7NC1-UP			KC114	X OX216-DIR. OX216-TRANS.
D5H Serie 8RC1-UP			KC114	X OX216-DIR. OX216-TRANS.
D6 Serie 17R465-1283, 1284-UP	LX1063	OC507	KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 1Y1-UP	LX1063		KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 23U/24U/74W/75W	LX1100 LXS232	OC507		X HX52-DIR. HX52-TRANS. OX219
D6 Serie 24U/99J11592		OX3D		X OX216-DIR. OX216-TRANS.
D6 Serie 37A/44A/56A/57A	LX116 LX1062	OX3D		X OX216-DIR. OX216-TRANS.
D6 Serie 5X1-UP	LX1063		KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 69U, 3X, 4X, 5X, 6X	LX1100 LXS232	OC507	KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 74A11751/76A12891				X HX52-DIR. HX52-TRANS.
D6 Serie 74A/76A	LX1101 LX1063	OX3D		X HX52-DIR. HX52-TRANS.
D6 Serie 99J1-1550	LX1101 LX1063	OX3D	KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 99J1551e Segs.	LX1100 LXS232		KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 99J1593-UP, 10K629-UP	LX1100 LXS232	OC507	KC114	X HX52-DIR. HX52-TRANS.
D6 Serie 99J1754-2534, 2535-UP	LX1100 LXS232		KC114	X HX52-DIR. HX52-TRANS.
D6 Série D6G SR - Esteira/ D6M XL - Esteira		OC507		X HX52-DIR. HX52-TRANS.
D6D Serie 33X1-UP	LX1100 LXS232		KC114	X HX52-DIR. HX52-TRANS.
D6D, D6E Serie 75W1-UP	LX1100 LXS232		KC114	X HX52-DIR. HX52-TRANS.
D6H Serie 7PC1-UP, 4RC1-UP, 8YC1-UP			KC114	X HX52-DIR. HX52-TRANS.
D7 Serie 47A16392		OX217D		X OX216-TRANS./DIR.

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar



APLICAÇÃO / APPLICATION MOTOR / ENGINE

ANO /
YEAR



HIDRÁULICO/
HYDRAULIC

OUTROS/
OTHER

1º





2º

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2º

CATERPILLAR

D7 Serie 47A3396 e Segs./48A6393 e Segs.			OX217D		X		HX52-TRANS.
D7 Serie 72W, 91V, 92V	LX1101	LX1063	OC121	KC114	X	HX52-DIR.	HX52-TRANS.
D7 Serie 93N1961, 94N13356 (Exceto 94N1334-7/3348/3352/3353)			OX3D	KC114	X		
D7 Serie 93N962-UP, 94N3357-UP			OC121	KC114	X	HX52-DIR.	HX52-TRANS.
D7 Serie 93N/94N	LX1101	LX1063		KC114	X	HX52-DIR.	HX52-TRANS.
D7 Série D7 (45W1, 65V1, 72W1, 91/92V1)/ D7 (93N962->, 94N3357->)			OC507		X		
D7 Série D7 (94N3347, 48, 52, 53)			OC507		X		
D7H Serie 77Z1-UP, 78Z1-UP			OC121	KC114	X	HX52-DIR.	HX52-TRANS.
D8 L			OC122		X	OX216-DIR.	OX216-TRANS.
D8 Serie 22A/35A			OX3D		X		OX216-DIR.
D8 Serie 36A 5525 e Segs.			OC122	KC114	X		
D8 Serie 36A14468					X		OX216-TRANS.
D8 Serie 36A15524/46A129449			OX3D		X		
D8 Serie 36A4469 e Segs./46A10725 e Segs.					X	HX52-DIR.	HX52-TRANS.
D8 Serie 36A4649/5383			OX3D		X		HX52-TRANS.
D8 Serie 36A5384 e Segs.	LX1100	LXS232			X		
D8 Serie 46A110724					X	OX216-DIR.	OX216-TRANS.
D8 Serie 46A2573-8/25739/25740/25743/25746	LX1100	LXS232			X		
D8 Serie 46A28137, 29449	LX1100	LXS232	OX3D	KC114	X	HX52-DIR.	HX52-TRANS.
D8 Serie 46A29450 e Segs.			OC122	KC114	X		
D8 Serie 52A/68A			OX3D		X	OX216-DIR.	OX216-TRANS.
D8 Serie 76V/77V	LX1100	LXS232	OC122		X	HX52-DIR.	HX52-TRANS.
D8 Série D8H - Esteira/ D8N - Esteira			OC507		X		
D8K Serie 76CV1-UP, 77V1-UP	LX1100	LXS232		KC114	X	HX52-DIR.	HX52-TRANS.
D9 - Trator de Esteiras (Ar Radial) 66A-11908> / 90V-4940>	LX1777		OX217D OC122	KC114	X	HX52	
D9 Serie 34A			OX217D		X		OX216-TRANS.
D9 Serie 66A11907			OX217D		X		
D9 Serie 66A11908-UP			OX217D	KC114	X	HX52-DIR.	HX52-TRANS.
D9 Serie 66A13074			OX217D		X		
D9 Serie 66A13265					X	OX216-DIR.	OX216-TRANS.
D9 Serie 66A3075-3265			OX217D		X		
D9 Serie 66A3266 e Segs.			OX217D		X		HX52-TRANS.
D9 Serie 66A9950-11907				KC114	X	HX52-DIR.	HX52-TRANS.
D9 Serie 90V			OC122	KC114	X	HX52-DIR.	HX52-TRANS.
D9 Serie 90V1-UP			OC122	KC114	X	HX52-DIR.	HX52-TRANS.
D9H Serie 90V, 3965-5541			OC122	KC114	X	HX52-DIR.	HX52-TRANS.
H Série Motorgrader (110-190), 112 (89J1689->)/ 120 (10R2144->)/ 120 (13U682->)			OC507		X		
H Série Motorgrader (110-190), 120 H - Motoniveladora			OC507		X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CATERPILLAR											
H Série Motorgrader (110-190), 120 (22R942->)/ 120 (82V1->, 87V1->)/ 120G					OC507				X		
H Série Motorgrader (110-190), 130 (74V)/ 140 (11R1-651)/ 140 (11R652->)					OC507				X		
H Série Motorgrader (110-190), 140 (14U1->)/ 140 (24R/ 61S)/ 140 (72V, 81V)					OC507				X		
H Série Motorgrader (110-190), 140B - Motoniveladora	Caterpillar				OC507				X		
H Série Motorgrader (110-190), 140G - Motoniveladora	Caterpillar 3306				OC507				X		
H Série Motorgrader (110-190), 140H - Motoniveladora	Caterpillar				OC507				X		
H Série Motorgrader (12-24) 12 (13K4568->)/ 12 (61M1->)/ 12 (89H1225->)					OC507				X		
H Série Motorgrader (12-24) 12G - Motoniveladora	Caterpillar 3306				OC507				X		
H Série Motorgrader (12-24) 14 (12K1836->)/ 14 (72G1030->)/ 14G (96U1->, 5MD->)					OC507				X		
SÉRIE 200 - 216 (Maquinária de Obras)		01/96->	LX2959						X		
SÉRIE 200 - 226 (Maquinária de Obras)		01/99->	LX2959						X		
SÉRIE 200 - 228 (Maquinária de Obras)			LX2959						X		
SÉRIE 200 - 236 (Maquinária de Obras)		01/99->	LX2959						X		
SÉRIE 200 - 246 (Maquinária de Obras)		01/96->	LX2959						X		
SÉRIE 900 - 906 (Maquinária de Obras)		01/99->	LX2959						X		
CBT											
1000	Perkins 4203	->75			OX18D	KX23			X		
1000, 2070	Perkins 4203	76->79	LX275	LXS5/1	OC38	KX23	KX23		X		
1065, 2080	MB OM314	75->80			OX85D	KX43			X		
1065/ 1105/ 2600 (Canavieiro)	OM 352 - OM 352 A	01/83->	LX265	LXS37/1	OX199D	KX43 KX35			X		
1090	Perkins 6340	->78				KX23			X		
1090A, 2100	Perkins 6357	76->79			OX200D	KX43			X		
1090A, 2100 (Canavieiro)	Perkins 6357	80->	LX265	LXS37/1	OC308	KX23			X		
2105	MB OM352	76->82	LX236	LXS41/1	OX85D	KX43 KX35			X		
2105 Bufalo pantaneiro	MB OM352A	84->	LX236	LXS41/1	OX199D	KX43 KX35			X		
2105 (Canavieiro)	OM 352 - OM 352 A	01/83->	LX265	LXS37/1	OX199D	KX43 KX35			X	HX15	
2400	Detroit 4.53N	78->79	LX227	LXS42/1					X		
2500	Perkins 6358				OC308	KX23			X		
2600	MB OM352		LX236	LXS41/1	OX85D	KX43	KX43		X		
3000, 3500	Chrysler 318 Alcool	83->	LX236	LXS41/1					X		
8060	MB OM352	84->	LX236	LXS41/1	OX199D	KX43 KX35			X	HX51D	
8240	Perkins 4236 Alcool	->84			OC324	KL63 KL222 ⁽²⁾			X		
8240	Perkins 4248	86->	LX17		OC324	KX23			X		
8260 (4X4)	Perkins 6354		LX236	LXS41/1	OC308	KX23			X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
CBT												
8440	MWM D229/4	85->	LX275	LXS5/1	OC26	KX43 KX35		X				
8450 TURBO (4X4)	MWM TD 229 EC4		LX265	LXS37/1	OC60	KX43 KX35		X	HC86			
9450 TURBO (4X4)	MWM TD 229 EC4		LX265	LXS37/1	OC60	KX43 KX35		X	HX15			
Alfa Javali	CBT MPL Turbo 3 Cil.		LX236		OX200D	KX43 KX35		X				
Jeep 185 Javali	CBT 401 4 Cil.		LX275		OX200D	KX43 KX35		X				
CHERY												
CIELO	1.6L GASOLINA - ACTECO	2010->			OC318							
FACE	1.3L GASOLINA - ACTECO	2010->	LX3116		OC235							
TIGGO	2.0L GASOLINA - ACTECO	2010->			OC317	KL582 (Plus)		LA632				
CHRYSLER												
300 M	3.5 V6 24V	07/98->			OC236			X				
300 M	3.5 V6 24V	98->01			OC18			X				
5.2L V8	98->				OC18							
Caravan	2.4 4cil.	96->			OC534							
Caravan	3.3 V6	93->			OC23 OC506 PLUS							
Caravan	3.3 V6	93->95			OC18							
Caravan	V6	96->			OC18							
Caravan 3.3L	V6	93->			OC23 OC506 PLUS							
Cherokee 2.0 Diesel			LX147		OC318	KX24						
Comanche					OC23 OC506 PLUS							
Dakota	2.5 4cil.	98->	LX577		OC18							
Dakota	2.5 Turbodiesel	01->	LX577		OC18							
Dakota	3.9 V6	97->	LX577		OC18							
Dakota	5.2 V8	97->	LX577		OC18							
Dakota	2.5 Turbodiesel	01	LX577		OC18							
Dakota Sport	2.5 e 3.9L	93->			OC23 OC506 PLUS							
Dakota Sport	2.5L Gasolina	01/99->			OC236							
Dodge 1800, Dodge Polara		73->81				KL63 KL222 ⁽²⁾		X				
Dodge Dart Charger RT-SE, Lebaron, Magnum		74			OC67	KL63 KL222 ⁽²⁾		X				
Dodge E11, 13, 21	Alcool L 318S	81->85				KL222 KL63		X				
Grand Caravan SE/LE	3.3 V6	93->			OC23							
Jeep Cherokee	2.5	93->			OC23							
Jeep Cherokee	2.5i (XJ)	11/96- >11/01			OC236							
Jeep Cherokee	2.5i (XJ) - EPE	12/91- >11/01			OC236							
Jeep Cherokee	4.0i (XJ)	01/95- >11/01			OC236							
Jeep Cherokee	4.0i (XJ)	01/88- >11/01			OC236							
Jeep Cherokee	4.0i (XJ) - ERH	01/88- >11/01			OC236							





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CHRYSLER											
Jeep Cherokee	4.0i (XJ) - MX	12/91- >11/01									
Jeep Cherokee		94->	LX577		OC18						
Jeep Grand Cherokee	4.0	04/99->			OC236						
Jeep Grand Cherokee	4.0i (ZJ)	09/91->			OC236						
Jeep Grand Cherokee	4.0i (ZJ) MX	09/91->			OC236						
Jeep Grand Cherokee	4.0i (Z) S01	10/95->			OC236						
Jeep Grand Cherokee	4.7 V8	04/99- >06/00			OC236						
Jeep Grand Cherokee	4.7 V8 H.O.	09/01->			OC236						
Jeep Grand Cherokee	4.7 V8 (WJ)	01/00->			OC236						
Jeep Grand Cherokee	5.2 V8 (ZJ)	01/92->			OC236						
Jeep Grand Cherokee	5.2 V8 (ZJ) - Y	09/92->			OC236						
Jeep Grand Cherokee	5.2 (Z) - Y01	10/95->			OC236						
Jeep Grand Cherokee	5.9 V8	01/97- >12/98			OC236						
Jeep Grand Cherokee 6	5.2L V8	93->97			OC18						
Jeep Grand Cherokee 6- 4.0L /5.2L-V8	V8	93->			OC23 OC506 PLUS						
Jeep Grand Cherokee 6	4.0L V8	98->			OC18						
Jeep Grand Cherokee 6	5.9L V8	98->			OC18						
Jeep Wranger	4.0	12/91- >09/96			OC236						
Jeep Wranger	4.0 - S01	08/96->			OC236						
Le Baron	2.2	86->91			OC534				X		
Le Baron	2.2i	09/86->			OC236				X		
Le Baron	3.0i V6	01/90- >12/90			OC534				X		
Le Baron	3.0i V6 Cabrio - 6G72	01/90->			OC236				X		
Le Baron, Magnum		74->81	LX1065			KL63 KL222⁽²⁾			X		
Neon	1.8	98->			OC534				X		
Neon	2.0 16V	96->			OC534				X		
Neon LE	1.8	94->			OC534				X		
Neon LE	2.0	94->			OC534				X		
Neon II	1.6 I - Gasolina	01/01->			OX175D				X		
P 950 S	5.9	74->93				KX43 KX35			X		
Pick-up Ram	3.9 V6 Gasolina	01/94- >01/96			OC236						
Pick-up Ram	5.2 V8 Gasolina	01/94- >01/96			OC236						
Pick-up Ram	5.2 V8 Gasolina	93->			OC23						
Pick-up Ram	5.9 V8 Gasolina	01/94- >01/98	LX577		OC236						
Pick-up Ram		93->			OC23 OC506 PLUS						
PT Cruiser	1.6 I - Gasolina	1/01->			OX175D				LA180		
PT Cruiser / PT Cruiser Cabrio	2.4 16V	04/00->			OC534				LA180		
Stratus	2.0/2.4	98->			OC534						
Stratus	2.5 V6 24V	98->			OC18						
Stratus	2.5 V6 LX - H00	12/95->			OC236						





(1) Tipo Exportação

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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
CHRYSLER												
Vision	3.3 / 3.5	95->									X	
Voyage / GrandVoyage	2.0	96->									X	
Voyage / GrandVoyage	2.5	87->91									X	
Voyage / GrandVoyage	2.5	91->96									X	
Voyage / GrandVoyage	3.0 V6	88->91									X	
Voyage / GrandVoyage	3.0 V6	91->96									X	
Voyage / GrandVoyage	3.3 V6	91->96									X	
Voyage / GrandVoyage	3.8 V6	96->99									X	
Voyage / GrandVoyage	3.8 V6	95->96									X	
Voyage / GrandVoyage	3.0	96->									X	
Voyage / GrandVoyage LE/SE	2.0 4cil.	95->									X	
CIBER												
SA11, SA14, SA15	Perkins 4203	74->75									X	
SA11, SA14, SA15, SA16	Perkins 4203, 3152										X	
SA11, SA14, SA15, SA16	Perkins 4236										X	
SA12, SA13	Perkins 4300										X	
SA12, SA13	Perkins 6357										X	
SA12, SA13	Perkins 6357-6358	84->85									X	
SA16	Perkins 3152	74->75									X	
CITROËN												
Aircross GL/GLX	1.6L 16v Flex	2010->									LA138	
AX 10	CDY/ C1A/ C3A (TU9/9M)	07/86->06/92									X	
AX 10	CDZ (TU9M)	07/92->12/98									X	
AX 10GT/ GTI		92->94									X	
AX 11	1.1L	06/91->05/92									X	
AX 11		06/92->10/96									X	
AX 14	KDY (TU3M)	03/89->12/96									X	
AX 14		06/92->10/95									X	
AX 14 GT GTI	1.4L	09/91->06/92									X	
AX 14 GT GTI	1.4L	09/91->06/94									X	
AX 14 GT GTI	1.4L	09/91->06/94									X	
AX14		88->89									X	
AX14 GTI		91->94									X	
Berlingo	1.1l - HDZ (TU1M)/ HFX (TU1JP)	07/00->									LA8	
Berlingo	1.4l - KFX (TU3JP)	07/00->									LA8	
Berlingo	1.6l - NFU (TU5JP4)	10/00->									LA8	
Berlingo	1.8	99->	LX488								LA8 ⁽³⁾	
Berlingo	1.8D A9A	10/96->12/02									LA8 ⁽³⁾	





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CITROËN											
Berlingo	1.8D DW8	08/98- >12/02			OC100 OC505 PLUS				LA8 ⁽³⁾		
Berlingo	1.8i LFZ (XU7P)	12/97- >12/02	LX488		OC100 OC505 PLUS				LA8 ⁽³⁾		
Berlingo	TU5JP4 NFU 1.6 16V	10/00- >10/02	LX795						LA8		
Berlingo		->98	LX488			KL60			LA8		
Berlingo MultSpace GLX	TU5JP4 1.6 16V 110CV	01/05->			OX339/2D ECO	KL583 (Plus)			LA8		
BX		94->				KL60			X		
BX 14	K1H (TU3A)	01/89- >12/89			OC100 OC505 PLUS				X		
BX 14	KDY (TU3M)	01/89- >02/93			OC100 OC505 PLUS				X		
BX 14		7/88- >10/91				KL222 KL63			X		
BX 14 Txi		10/92- >06/94				KL60			X		
BX 14i		91->				KL60			X		
BX 15i		01/86- >12/93			OC100 OC505 PLUS				X		
BX 16	171D	07/85- >02/93			OC100 OC505 PLUS				X		
BX 16	180Z	03/86- >02/93			OC100 OC505 PLUS				LA8 ⁽³⁾		
BX 16	B1E (XU51C)	09/87- >02/93			OC100 OC505 PLUS				X		
BX 16		10/92- >06/94				KL60			X		
BX 16		08/83- >09/92				KL222 KL63			X		
BX 16i - 16V		86->93				KL60			X		
BX 19 Break	DDZ (XU9M)	06/88->			OC100 OC505 PLUS				LA8 ⁽³⁾		
BX 19 Break	DKZ (XU9JA)	06/88->			OC100 OC505 PLUS				LA8 ⁽³⁾		
BX 19 GTi 16V	D6C (XU9J4)	09/87- >12/88			OC100 OC505 PLUS				LA8 ⁽³⁾		
BX 19 GTi 16V	DFW (XU9J4)	03/88- >02/93			OC100 OC505 PLUS				LA8 ⁽³⁾		
BX 19 Gti 4X4 / Tri		06/86- >05/93				KL60			X		
BX 19i	16V	86->93				KL60			X		
BX Gti	16V	10/87- >06/92				KL60			X		
C 15	1.8D (VD) 161A (XUD7)	07/86- >12/97			OC100 OC505 PLUS				X		
C2	1.1l - TU1JP	09/03->			OX193D				LA138		
C2	1.4l - TU3JP	09/03->			OX193D				LA138		
C2	1.6l - TU5JP	09/03->			OX193D				LA138		
C3	1.1l - KFX (TU1JP)	02/02->			OX193D				LA138		
C3	1.4 8V Flex	06->			OX339/2D ECO	KL416			LA138		
C3	1.4l - KFV (TU3JP)	02/02->			OX193D				LA138		
C3	1.6l - NFU (TU5JP4)	02/02->			OX193D				LA138		





(1) Tipo Exportação

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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CITROËN											
C3 (Pluriel/XTR Exclusive/GLX)	1.6 16V Flex		LX1287		OX339/2D ECO		KL583 (Plus)		LA138		
C3 (Pluriel/XTR)	1.4 8V TU3JP	01/03->	LX1287		OX339/2D ECO		KL583 (Plus)		LA138		
C3 (Pluriel/XTR)	1.6 16V TU5JP4	01/02->	LX1287		OX339/2D ECO		KL583 (Plus)		LA138		
C3 (Pluriel/XTR/Exclusive/GLX)	1.4 8V Flex TU3JP	01/07->	LX1287		OX339/2D ECO		KL583 (Plus)		LA138		
C4 (Pallas)	2.0 16V	08/07->	LX1765		OX339/2D ECO		KL583 (Plus)		LA138		
C4 (VTR)	2.0 16V EW10J4S	01/07->	LX1765		OX339/2D ECO		KL583 (Plus)		LA138		
C5	3.0L 24V DOHC L4	01/01->	LX572		OC100 OC505 PLUS						
C8	2.0L 16v		LX572		OC100 OC505 PLUS						
CX	2.0i/2.2	84->92	LX290						X		
CX Break	2.0 829 A5	08/84-> 08/86	LX290		OC100 OC505 PLUS				X		
CX Gti	2.4	06/82->					KL60		X		
CX RE	2.0 829 A5	08/85- 12/92	LX290		OC100 OC505 PLUS				X		
CX TRS	2.2 J6T A500	07/85- >12/92	LX290		OC100 OC505 PLUS				X		
Evasion (Synergie)	2.0 16V PFV (XU10J4R)	05/98- >09/00			OC100 OC505 PLUS				X		
Evasion (Synergie)	2.0 RFU (XU10J2/C)	06/94- >07/00	LX572		OC100 OC505 PLUS		KL2		X		
Evasion (Synergie)	2.0 Turbo RGX (XU10J2TE)	06/94- >07/00	LX572		OC100 OC505 PLUS		KL2		X		
Felin./Tech.		01/05->	LX643 LX645/1 (alto)		OX339/2D ECO		KL583 (Plus)				
Jumper	2.5 - T9A (DJ5)	08/94- >03/02	LX478/1								
Jumper	2.5 D (CAV)	12/96- >03/02			OC2		KX23		LA123		
Jumper	2.8 HDI	01/00->	LX611						LA123		
JUMPER	2.8 HDI	01/05->					KX208D		LA123		
Jumper	2.5	03/02->			OC2		KC18		LA123		
Jumper HDi 145 / 155 / 165	Diesel	07/10->			OC613						
Jumper I (Realy) - (Bosch)	1.9D D9B (XUD9)	02/94- >03/02	LX478/1		OC100 OC505 PLUS		KC18		LA123		
Jumper I (Realy) - (CAV)	1.9D D9B (XUD9)	07/99- >03/02			OC100 OC505 PLUS		KX23		LA123		
Jumper TD	2.5 TD	94->00			OC2		KX23		LA123		
Jumper (Relay)	2.5 - T9A	02/94- >03/02	LX478/1		OC2		KX23		LA123		
Jumper (Relay)	2.5 D (Bosch)	12/96- >03/02	LX611		OC248		KC18		LA123		
Jumper (Relay)	2.5 HDI	02/02->	LX611		OC248		KC18		LA123		
Jumper (Relay)	2.5 TD - T8A(DJ5T)	08/94- >12/00	LX611		OC2		KX23		LA123		
Jumper (Relay)	2.5 TDI - THX, THZ(DJ5TED)	11/96- >12/00	LX611		OC248		KC18		LA123		
Pres./Tech		01/01->	LX643 LX645/1 (alto)		OX339/2D ECO		KL583 (Plus)				
Relay 270S TD	1.9 Turbo Diesel	94->					KX23				
Relay 320L		94->			OC2		KX23				
Relay 320L TD		94->			OC2						





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			1º	2º	1º	2º	1º	2º				
CITROËN												
Saxo	1.1i HDZ (TU1M)	05/96->06/00			OX193D				X			
Saxo	1.1i TU1M	01/01->			OX193D				X			
Saxo	1.4i KFW, KFX (TU3JP)	07/00->			OX193D				X			
Saxo	1.4i TU3JP	01/01->			OX193D				X			
Saxo	1.6i NFZ (TU5JP)	07/00->			OX193D				X			
Synergie	2.0 Turbo	95->					KL2					
VISA	1.0	09/85->05/87			OC235 OC506 PLUS		KL222 KL63		X			
VISA	1.2	08/81->06/82			OC235 OC506 PLUS		KL222 KL63		X			
VISA	1.4	08/81->06/82			OC235 OC506 PLUS		KL222 KL63		X			
VISA	1.6 Gti 180A (XU5J)	01/85->06/86			OC100 OC505 PLUS		KL60		X			
VISA 11E/11RE		10/80->05/87			OC235 OC506 PLUS		KL222 KL63		X			
Xantia	1.8i	04/97->	LX488		OC100 OC505 PLUS				LA8 ⁽³⁾			
Xantia	1.9 Diesel	07/93->10/96							LA8			
Xantia	1.9 Turbo Diesel	07/93->							LA8			
Xantia	2.0i Turbo	95->06/96					KL60		LA8			
Xantia	3.0 24V ES9 J4	01/97->	LX572		OC100 OC505 PLUS				LA8 ⁽³⁾			
Xantia		94->	LX488				KL72		LA8 ⁽³⁾			
Xantia		09/97->							LA8			
Xantia	2.1 12V turbo diesel	06/97->							LA8			
Xantia/Furio ZX		94->	LX488				KL583 (Plus) ⁽¹⁾ KL72 ⁽¹⁾		LA8 ⁽³⁾			
XM	2.0 R2A (XU102C)	05/89->04/94			OC100 OC505 PLUS				X			
XM	2.0 Turbo RGX (XU10J2TE)	05/94->12/00			OC100 OC505 PLUS		KL2		X			
XM	2.0i 16V PFV (XU10J4R)	05/94->12/00			OC100 OC505 PLUS		KL2		X			
XM	2.0i RFZ (XU10J2)	05/89->12/00			OC100 OC505 PLUS		KL2		X			
XM	2.0i Turbo RGY (XU10J2TE/Z)	02/92->12/00			OC100 OC505 PLUS		KL2		X			
XM V6 Exclusive	3.0	92->					KL2		X			
Xsara	1.4i KFW, KFX (TU3JP)	07/00->09/00			OX193D				LA8			
Xsara	1.4i TU3JP	01/01->			OX193D				LA8			
Xsara	1.6i	09/00->			OX193D				LA8			
Xsara	1.6i NFZ (TU5JP)	10/97->09/00			OC100 OC505 PLUS				LA8 ⁽³⁾			
Xsara	1.6i NFU (TU5JP4)	09/00->			OX193D				LA8			
Xsara	1.6i NFZ (TU5JP)	07/00->09/00			OX193D				LA8			
Xsara	1.6i TU5JP	01/01->			OX193D				LA8			
Xsara	1.6i TU5JP4	01/01->			OX193D				LA8			
Xsara	1.8	->98	LX488				KL60		LA8			
Xsara	1.8 16V	98->	LX744				KL583 (Plus) ⁽¹⁾ KL72 ⁽¹⁾		LA8			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CITROËN											
Xsara	1.9 Turbo Diesel	11/97->								LA8	
Xsara	2.0 16V RFS (XU10J4RS)	01/97->12/00	LX643 LX645/1 (alto)		OC100 OC505 PLUS		KL416/1 KL72 KL583 (Plus)			LA8	
Xsara	NFU	10/00->	LX643 LX645/1 (alto)							LA8	
Xsara		09/97->								LA8	
Xsara Exclusive (Aut./Mec.)	1.6 16V TU5JP4	01/01->12/01	LX643		OX339/2D ECO OX193D		KL583 (Plus)			LA8	
Xsara GLX (Aut./Mec.)	1.6 16V TU5JP4	01/01->12/01	LX643		OX339/2D ECO OX193D		KL583 (Plus)			LA8	
Xsara Picasso	1.6 16V Flex	06->	LX643 LX645/1 (alto)							LA153	
Xsara Picasso	1.6i NFZ (TU5JP)	12/99->	LX643 LX645/1 (alto)		OC100 OC505 PLUS					LA153	
Xsara Picasso	1.6i TU5JP	01/00->	LX643		OX193D		KL583 (Plus) KL72 ⁽¹⁾			LA153	
Xsara Picasso	2.0 16V DOHC L4		LX643 LX645/1 (alto)		OC100 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾			LA153	
Xsara Picasso (Brasil/Etoile/GLX)	2.0L EW10J4	01/01->	LX643		OC100 OC505 PLUS		KL583 (Plus)			LA153	
Xsara Picasso (Brasil/Etoile/GLX/Autom.)	2.0 16v XU10J4R	01/01->	LX643		OC100 OC505 PLUS		KL583 (Plus)			LA153	
Xsara Picasso (Exclusive/GLX)	1.6 16V Flex TU5JP4	01/05->	LX643		OX339/2D ECO		KL583 (Plus)			LA153	
Xsara VTS	1.6 16V TU5JP4	01/01->12/02	LX643		OX339/2D ECO OX193D		KL583 (Plus)			LA8	
Xsara XS	1.8 16V LFY (XU7JP4)	10/97->09/00	LX744		OC100 OC505 PLUS					LA8 ⁽³⁾	
Xsara (Break/GLX/Exclusive)	1.6 16V TU5JP4	01/01->12/03	LX643		OX339/2D ECO OX193D		KL583 (Plus)			LA8	
XTR	TU5JP4	01/06->			OX339/2D ECO						
ZX	1.8	93->96	LX488				KL60		X		
ZX	2.0i (N2) RFX (XU10J2)	07/92->10/97	LX488				KL60		X		
ZX Coupe	2.0 16V	92->	LX488				KL60		X		
ZX Reflex	1.4/ 1.6	01/92->02/96			OC100 OC505 PLUS		KL60		X		
CLARK											
110	Cummins JT6 C175				OX198D OX218D		KC133		X		
125 Articulada	Scania		LX273	LXS44/1	OC18		KX24		X		
125/125 Articulada	Cummins N855C		LX271/2	LXS43/1	OX198D OX218D				X		
125/125A II/125A III	Cummins C160/175/200				OX198D OX218D		KC133		X		
175A/175B/175A II/175A III	Cummins V8R 240		LX760	LXS299	OX198D OX218D		KC133		X		
275A/275B/275A II/275A III/280/280 II/280 III	Cummins NT855 C 310		LX760	LXS299	OX198D OX218D		KC133		X		
310/375A/380A III	Cummins NT855 C 380		LX760	LXS299	OX198D OX218D		KC133		X		
380	Cummins NT855 C 310		LX760	LXS299	OX198D OX218D		KC133		X		
380/380 III	Cummins NVH 12				OX198D OX218D		KC133		X		
45C	MB OM352				OX197D		KX43		X		




APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
CLARK											
45C, 55C Serie 18000	MB OM352				OX197D		KX43		X		
475 B	Detroit 4-6 cil				OX198D OX218D				X		
475 III	Cummins VTA 1710C		LX760	LXS299	OX198D OX218D				X		
55 Articulada, 65R, 75III, 75HD	MB OM392	->84	LX243	LXS37/1	OX199D		KX43 KX35		X		
55C Turbo	Cummins NH		LX227	LXS42/1					X		
714	MB OM352		LX243				KX43 KX35		X		
720	MB OM352A		LX265	LXS37/1	OX197D		KX43 KX35		X		
75	MB OM352	78->79	LX243	LXS37/1	OX30D		KX43		X		
75	Perkins 6.357				OX200D		KX23		X		
75III, 75HD	MB OM352				OX197D		KX43		X		
85A/85A II/85A III	Cummins JN130				OX198D OX218D				X		
A25	Cummins 6CTAA 8.3		LX271/2	LXS43/1	OC319		KC6D		X		WFC2-REFRIG.
BOB CAT 6661248, CLARK 276616, DONALDSON P164375									X	HC101	
C300	GM 3-53				OX18D		KX23		X		
C300Y, 40, 50, 60D	Perkins 4203 (68 HP)				OX18D		KX23	KX23	X		
C300, HY40, HY50, HY60	GM 4151		LX902/1		OC301				X	HX51D	
C300, HY40, HY50, HY60	Perkins 3152				OX18D		KX23		X		
C500	HY-40/55				OX18D		KX23		X		
C500-40, 55	GM 4153				OC301				X		
C500Y, 110, 135, 155D	Perkins 4236				OC324		KX23	KX23	X		
C500, HY500	Perkins				OC324		KX23	KX23	X		
CFY20, CFY25	GM 4.153				OC301				X		
CFY25-B					OC301				X		
CFY60, 70, 80, 100, 120, 140	GM 6250				OC114				X		
CHY100-B					OC114				X		
CLARK 965899, FIAT ALLIS 85802793, DYNAPAC 196446, DONALDSON P165705									X	HC108	
Guindastes 714	MB OM352	->82	LX243	LXS37/1	OX85D		KX23		X		
L90	Cummins 6BT 5.9		LX227	LXS42/1	OC320		KC107		X		WFC2-REFRIG.
Pá Carregadeira 35R	Perkins 4.203				OX18D		KX23		X		
TRANSMISSÃO CLARK 247050, VOLVO 234099, CASE E158745, FIAT 73118171									X	HC109	
TRANSMISSÃO CLARK, CLARK 247052									X	HC110	
COMPAIR											
CR175	Perkins 4236		LX236	LXS41/1			KX23		X		
CR/ CV/ CVR 175, 175 S/SS	Perkins 4236		LX265	LXS37/1	OC324		KX23		X		
CU250, CR275, CR400, CU400	Perkins 6357						KX23		X		
R30, R40, R60, R75	Perkins 4282						KX23		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
CUMMINS											
6B 5.9/ 6BT 5.9/ 6BTA 5.9					OC320		KC107		X		WFC2-REFRIG.
6C 8.3/ 6CT 8.3/ 6CTA 8.3					OC319		KC107 KC24		X		WFC2-REFRIG.
855 C 370 (Aplicação Industrial)			LX760	LXS299	OX198D OX218D		KC133		X		
855 P 400 (Aplicação Industrial)			LX760	LXS299	OX198D OX218D		KC133		X		
855 / NTTA 855 (Aplicação Industrial)			LX760	LXS299	OX198D OX218D		KC133		X		
BRASTOFT - Série 7000 Brastoft/Case (Maquinaria de obras públicas) Modelo 7000 Brastoft/Case	Cummins L10	1995->1999	LX760	LXS299	OC304				X	HC4	
BRASTOFT - Série 7000 Brastoft/Case (Maquinaria de obras públicas) Modelo Brastoft 7000	Cummins L10	1995->2000	LX760	LXS299					X	HC4	
BRASTOFT - Série 7700 Brastoft/Case (Maquinaria de obras públicas) Modelo 7700 Brastoft/Case	Cummins L10	2000->	LX760	LXS299	OC304				X	HC4	
BRASTOFT - Série Austoft (Maquinaria de obras públicas) Modelo Austoft	Cummins	1995->1996	LX760	LXS299					X	HC4	
H743/NH743 C 180					OX198D OX218D				X		WFC1-REFRIG.
HRF 6					OX198D OX218D		KC133		X		WFC1-REFRIG.
HS 743-B 240-NS 743-C 240-P 240					OX198D OX218D		KC133		X		
KTA 600					OX198D OX218D		KC133		X		
NH 743 C 220									LA138		WFC1-REFRIG.
NH 743 P 220					OX198D OX218D				LA138		
NH743-C180/NH743-P220					OX198D OX218D				X		WFC1-REFRIG.
NT 855					OX198D OX218D		KC133		X		WFC3-REFRIG.
NT 855 C160					OX198D OX218D				X		WFC1-REFRIG.
NT 855 C250					OX198D OX218D			KC133	X		WFC1-REFRIG.
NT 855 C270 C355 C340					OX198D OX218D		KC133		X		WFC3-REFRIG.
NT 855 C370		61->73					KC133		X		
NTA 855 ML									X		WFC3-REFRIG.
NTA 855 ML									X		WFC3-REFRIG.
NTA 855 P400					OX198D OX218D		KX92D		X		WFC1-REFRIG.
NTA 855/ NTTA 855					OX198D OX218D		KC133		X		
V6 140-V8 185-V504					OX198D OX218D				X		WFC1-REFRIG.
V8 210 - 1ª série					OX218D				X		
V903					OX198D OX218D		KC133		X		
VT903					OX198D OX218D		KX92D		X		
VTA 1710					OX198D OX218D		KC133		X		
DAEWOO											
Espero	2.0 MPFI	97->			OC90 OC504 PLUS				X		
Espero	CDI 1.8 8V/CDXI 2.0 8V/GLXI 1.5 16V	05/95->			OC90 OC504 PLUS				X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
DAEWOO											
Espero	STD/DLX	94->96			OC90 OC504 PLUS				X		
Lanos	1.4 S/SE 4cil./1.6SX	97->			OC90 OC504 PLUS	KL582 (Plus) KL83 ⁽¹⁾			X		
Lanos		98->			OC90 OC504 PLUS				X		
Leganza	2.0 SX/CDX 4cil	97->			OC90 OC504 PLUS	KL582 (Plus) KL83 ⁽¹⁾					
Leganza		98->			OC90 OC504 PLUS						
Matiz	796cc.3cil				OC90 OC504 PLUS				X		
Nexia	GLi 1.5 8V/GLXi 1.5 16V	05/95->			OC90 OC504 PLUS				X		
Nubira	1.6 SE/ 2.0CDX 4cil.	97->			OC90 OC504 PLUS	KL582 (Plus) KL83 ⁽¹⁾			X		
Prince /Super Saloon		94->			OC317 OC504 PLUS						
DAIHATSU											
Applause	1.6 A101 4cil.16V	1/90- >11/94			OC534				X		
Applause		94->			OC534				X		
Charade	1.0 G100	87->93			OC534				X		
Charade	1.0 G100 3cil	01/87- >12/92			OC534				X		
Charade	1.0 G100turbo	01/87- >12/90			OC534				X		
Charade	1.0 G100turbo 12V GT Ti	05/87- >93			OC534				X		
Charade	1.3 G102 16V	05/89- >91			OC534				X		
Charade	1.3 G200 16V	93->00			OC534				X		
Charade	1.3 G200 16V	96->01			OC534				X		
Charade	1.5 G203	10/94- >01			OC534				X		
Charade	1.6 G112	92->00			OC534				X		
Charade	1.6 G201 16V	08/93- >12/96			OC534				X		
Charade	1.6 G201 Gti 16V	04/97->			OC534				X		
Charade		94->			OC534				X		
Charmant	4K 1.3LC (A35)	11/81- >07/87			OC534				X		
Cuore	3Cil 800cc	95->			OC534				X		
Cuore	L510	06/97->			OC534				X		
Domino	L80	11/86- >12/88	LX157/1								
Feroza / Sportrack (F300)	1.6i	01/88->			OC534				X		
Feroza / Sportrack (F300) - SX (4X4)	16V Gasolina				OC534				X		
Grand Move	16V Gasolina	03/93->			OC534				X		
Grand Move		98->			OC534				X		
Hi-Jet	1221cc Diesel	10/95->			OC205				X		
Hi-Jet	S85	07/93- >95	LX1066		OC534				X		


(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
DAIHATSU											
Mira	847cc	02/93- >10/95			OC534				X		
Move Plus		03/93->			OC534				X		
S85 Van		92- >7/94	LX1066		OC534						
Terios		98->			OC534				X		
DEMAG BAGGER											
DF Série - Modelo DF100C / 100P	Deutz F4L912	74->	LX236				KC113		X	HC4	
DF Série - Modelo DF120C / 120P	Deutz F6L912	74->	LX236				KC113		X	HC4	
DF Série - Modelo DF80P	Deutz F3L912						KC113		X	HC4	
DENSO											
Sistema Denso - Ônibus Rodoviário									LA690		
Sistema Denso - Ônibus Rodoviário									LA689		
Sistema Denso - Ônibus Rodoviário (Fresh Air)									LA694		
Sistema Denso - Ônibus Rodoviário (Fresh Air)									LA691		
DEUTZ											
AX 160			LX265	LXS37/1					X		
AX 160-S Turbo	BF6L 913 T	01/79->	LX265	LXS37/1			KC113		X		
AX 4140 Tração Dupla	BF6L 913 T	->12/83	LX265	LXS37/1			KC113		X		
AX 4160	BF6L 913	->12/83	LX265						X		
AX 5125 Tração Simple e Dupla	F6L 913		LX265	LXS37/1	OC60				X		
AX 5145 Tração Dupla	BF6L 913		LX265	LXS37/1	OC60	KC113			X		
Colheitadeira Optima E	BF6L 913		LX265	LXS37/1			KC113		X		
DI75, DR75, DI750, DR750, DM75, DM90							KX44		X		
DL50, DR50, DM90	Deutz AF3 /41912				OC26	KC113			X		
DM40, 55	Deutz AF2 /3L514						KX44		X		
DX 160	BF6L 913	->12/83	LX265	LXS37/1					X		
M 2385	F6L 912	01/82->	LX265	LXS37/1			KC113		X		
DODGE											
Journey	2.7L V6	08->							LA569		
DYNAPAC											
C40, CA40, CC40	Deutz F4L912 4 Cil.				OC26	KC113			X		
C40, CA40, CC40	Deutz F4L912 6 Cil.				OC60	KC113			X		
CA15, 15A, 15P	MWM D225/4		LX243	LXS37/1	OC26	KX43 KX35			X		
CA15, 15A, 15P	Perkins 4236		LX236	LXS41/1	OC121	KX23 KX23			X		
CA25II	MB OM352				OX197D	KX43			X		

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER	
			1º	2º		1º	2º				
DYNAPAC											
CA25II	Perkins 6354-4				OC308	KX23	KX23	X			
CA25P, 25DP	CAT 3208					KC114		X			
CA25, 25A, 25D, 25DP, 24, 25S	MB OM352	79->	LX265	LXS37/1	OX197D	KX43	KX35	X			
CA25, 25A, 25D, 25DP, 25S	MB OM352	->78	LX265	LXS37/1	OX30D	KX43	KX35	X			
CA25, 25A, 25D, 25DP, 25S, CC43	Detroit 4.53N	77->79	LX227	LXS42/1				X			
CA35	MB OM352A			LXS43/1	OX197D	KX43		X			
CA35P, 35DP	CAT		LX265					X			
CA40, CC40	Deutz F4L912, F6L912				OC60	KC113		X			
CC21	Perkins 4236		LX236	LXS41/1	OC324	KX23		X	HX57D		
CC30	Perkins		LX236	LXS41/1	OC324	KX23	KX23	X			
CC43	CAT3208	81->				KC114		X			
CC43	MB OM352	->80	LX243		OX197D	KX43	KX35	X			
CC43, CC53	MB OM352A		LX243	LXS37/1	OX197D	KX43	KX35	X			
CF33	Deutz					KX44		X			
CF44, CH44, CH46, CFB66, CHB66	OM D225/4				OC26	KX43	KX35	X			
CFB66	Deutz AGL1014					KX44		X			
CG14	Perkins 3152					KX23		X			
CH44, CHB66, CF44, CFB66	MWM D225/4				OC26	KX43	KX35	X			
CP15	Perkins 4236		LX236	LXS41/1		KX23		X			
CP21	Perkins 4236		LX236	LXS41/1	OC308	KX23		X			
CP22	MB OM314	83->	LX200	LXS40/1	OX199D	KX43	KX35	X			
CP27	Perkins 6354				OX30D	KX23		X			
CP27/A/B	MB OM352	->78	LX265	LXS37/1		KX43	KX35	X			
CP27/A/B	MB OM352	79->	LX265	LXS37/1	OX197D	KX23		X			
CT20, CT20S	Cummins N855C		LX271/2	LXS42/1	OX198D OX218D	KC133		X	HX57D	WFC1-REFRIG.	
CT25	Cummins 6CT83		LX271/2	LXS42/1		KC107	KC24	X		WFC2-REFRIG.	
CT25	Detroit 6V53N	77->79		LXS43/1	OC18	KC113		X			
Dynapac 928656								X	HC81		
TR25	Scania D11		LX271/2	LXS42/1	OC18	KC24 KC6D		X	HX57D		
EATON YALE											
134A	MB OM321					KX44		X			
134A	MB OM352	->82	LX265	LXS37/1	OX85D	KX43	KX35	X			
134A	Perkins 6357		LX265	LXS37/1		KX23		X			
13A	MB OM 352	83->	LX265	LXS37/1	OX199D	KX43	KX35	X			
1500 BK	Perkins 6357				OX200D	KX23		X			
1500 BM	MB OM352	->82	LX265	LXS37/1	OX85D	KX43	KX35	X			
1500 BM	MB OM352	83->	LX265	LXS37/1	OX199D	KX43	KX35	X			
1900 BK	Perkins 6357	80->	LX265	LXS37/1		KX23		X			
1900 BM	MB OM352 Ind.	80->	LX265	LXS37/1	OX197D	KX43		X			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
EATON YALE												
1900 BM	MB OM352 Ind.	->82	LX265	LXS37/1	OX85D		KX43		X			HX51D-TRANS.
1900 BM	MB OM352 Veic.	->78	LX265	LXS37/1	OX30D		KX43		X			HX51D-TRANS.
1900 BM	MB OM352 Veic. Ind.	->80	LX265	LXS37/1	OX30D		KX43		X			HX51D-TRANS.
250A, 250B	Perkins 6357		LX265	LXS37/1	OX200D		KX23		X			
3000	Cummins		LX760	LXS299	OX198D OX218D				X			WFC1-REFRIG.
3000B	Scania D11		LX241				KX44		X			
3000P	Perkins V8-510						KX23		X			
4000/4000B/6000	Cummins NT855		LX760	LXS299	OX198D OX218D				X			
D51C, D51P, D83P	Perkins 4203	->74			OX18D		KX23		X			
D51C, D51P, D83P	Perkins 4203	74->			OC38		KX23		X			
G51C, G51P	Willys				OX214D				X			
G83P-040, VMS99	G 4.151 Serie 2396				OC301				X			
G83P-050	G 4.151 Serie 2516				OC301				X			
G83P, G87P	GM 6230	->74	LX902/1		OC114				X			
G83P, G87P	GM 6.230	75->			OC114				X			
Trojan-Série - 3000	MWM						KX36		X			
ENGESA												
EE11-III Anfíbio	Detroit 6V53		LX271/2	LXS43/1					X	OC26		
EE1124	Cummins N855C		LX227	LXS42/1	OX198D OX218D		KC133		X			WFC1-REFRIG.
EE1128	Cummins NT855C				OX198D OX218D		KC133		X			WFC1-REFRIG.
EE15	MB OM352	->78	LX265	LXS37/1	OX30D		KX43 KX35		X	HX15		
EE25	MB OM352, 352A	78->79		LXS37/1	OX197D		KX43		X			
EE25, EE15	MB OM 352	79->	LX265	LXS37/1	OX197D		KX43 KX35		X	HX15		
EE312	Cummins NT855 C 240				OX198D OX218D		KC133		X			WFC1-REFRIG.
EE4, EE12 Caminhão militar	Perkins Q20B4		LX200 LX200/1	LXS40/1					X			
EE50	Scania D11		LX271/2	LXS43/1			KC24		X			HX15
EE510	MWM D225/1		LX265	LXS37/1	OC60		KX43 KX35		X			
EE510	MWM D229/6		LX265	LXS37/1	OC60		KX43 KX35		X			
EE510, 510K	MWM D229/3		LX265	LXS37/1	OC26		KX43 KX35		X			
EE9-II, EE9-III, EE10, EE11-II; Carros blindados	MB OM352, 352A	79->	LX265	LXS37/1	OX197D		KX43 KX35		X	HX15		
EE9-IV	Detroit 6V53	79	LX271/2	LXS43/1					X	OC26		
EE923	Cummins 6CTA 83			LXS43/1	OC319		KC107 KC24		X			WFC2-REFRIG.
Jeep EE4, EE12	GM 151 Álcool ou Gasolina	87	LX275	LXS5/1	OC301		KL63 KL222 ⁽²⁾		X			
FERRARI												
Ferrari/308/mondial8/mondial3.2							KL19					





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FIAT											
120	8360 NAC	78->84	LX265		OC35		KC4		X		
120 - 140 - 150	D115 8360 NAC	78->84	LX265		OC35		KC4		X		
130	CP3 IMPORTADO	->77					KC4		X		
130	CP3 NAC	78->83	LX265	LXS37/1			KL222 KL63		X	HX15	
130, 140	8210 NAC	->85	LX271/2	LXS43/1	OC35		KC113		X	HX15	
130, 140	8380 NAC	78->84	LX265		OC35				X	HX15	
140	8360 NAC	78->84	LX265		OC35		KC4		X		
180 EFH-2106	8210 MP	->85			OC35				X	HX15	
190 E/F/H/210S	8210 IMPORTADO	82->85	LX265		OC35		KC4		X		
190 E/F/H/210S	8210 NAC	82->85	LX271/2	LXS43/1	OC35		KC113	KC113	X		
190 H	8210 NAC	82->	LX273		OC35		KC113	KC113	X		
70	CCS NAC	63->75					KC113		X	HX15	
70 - 80 - 100	8340	78->84					KC4		X		
70 - 80 - 100	CO3 Nacional	78->84					KC113	KC113	X		
70 - 80 - 100 - 130 - 180 S	CO3 IMPORTADO 8340	78->84					KC4		X		
Alfa Romeo 2300-2300B	2300	75->81			OC324		KL63 KL222 ⁽²⁾			HX15	
Alfa Romeo 2300-TI.TI.4	2300	81->			OC324		KL63 KL222 ⁽²⁾			HX15	
Brava	1.8/2.0	99->	LX618				KL582 (Plus) KL83 ⁽¹⁾		LA56		
Brava		10/95->							LA56		
Bravo	1.4L 16v T-jet	11->			OX827D		KL582 (Plus)		X		
Bravo	1.8 16V E.TORQ FLEX (Essence)	11- /2010->			OX175D						
Coupe		04/94->			OC23 OC506 PLUS					LA34 ⁽³⁾	
Doblò Adventure	1.8	03->			OC90 OC504 PLUS		KL582 (Plus)			LA144	
Doblò Adventure Flex (Locker)	1.8L 8V	11/09->								LA144	
Doblò ELX	Fire 1.4L 8V Flex	11/09->	LX2526		OC1028 FLEX		KL582 (Plus)			LA144	
Doblò / Doblò Cargo	1.6L 16v MPI	01/02- >12/05	LX2526		OC66 OC505 PLUS		KL582 (Plus) KL83			LA144	
Doblò / Doblò Cargo	1.8 16V E.TORQ FLEX	2010->			OX175D		KL582 (Plus)			LA144	
Doblò / Doblò Cargo	1.8L MPI 8V Flex	01/04- >12/06	LX2526		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)			LA144	
Doblò / Doblò Cargo	1.8L MPI 8V Flex	01/06->	LX2526		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)			LA144	
Doblò / Doblò Cargo	Fire 1.3L 16v MPI	01/02- >12/06	LX2526		OC259 OC600		KL582 (Plus)			LA144	
Ducato	2.3 Diesel	2009->					KX208D			LA123	
Ducato	2.5 Diesel	03/94- >03/02	LX478/1								
Ducato	2.8 JTD	01/06->					KX208D			LA123	
Ducato	2.8 JTD	02->					KX208D			LA123	
Ducato	2.8TD	98->	LX611		OC248		KC18			LA123	
Ducato	3.0 16V JTD	07/06- >05/11			OC613						
Ducato	3.0 16V JTD 180 Multijet Power Diesel	06/11->			OC613						
Ducato 10	1.9 Diesel	98->	LX478/1							LA123	
Ducato 10	2.5 TDI	98->	LX611							LA123	
Ducato 15	2.5 TDI	98->	LX611							LA123	





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
FIAT												
Ducato 15	2.8 TDI	97->	LX611		OC248		KC18		LA123			
Ducato 8	2.5 TDI	98->	LX611						LA123			
Ducato 8/ 10 Cabinato/ Maxi14/ Van14	2.5	97->	LX611		OC248		KC18		LA123			
Ducato 94	2.5 TDI - 8140.47R	07/94->03/02	LX611		OC248		KC18		LA123			
Elba, Premio, Uno - com injeção	1500CC/1600CC	93->	LX907		OC23 OC506 PLUS		KL239/1		X			
Euro Cargo	Iveco 8060	->04/99	LX227	LXS42/1	OC248		KC122		X	HX15		
Fiat 147 Rallye	1050CC	77->			OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Fiat 147, Spazio, Fiorino, Panorama, Pick Up, Oggi (Todos com sistema HD)	1050CC-1300CC	80->88	LX55		OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Fiat 147, Spazio, Fiorino, Panorama, Pick Up, Oggi, City	1050CC-1300CC	77->87	LX157/1		OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Fiat Iveco Daily	2.8 TDI	01/98->			OC248				LA123			
Fiorino	Fire		LX907		OC259		KL582 (Plus) KL83 ⁽¹⁾		X			
Fiorino	Motor 1.3 MPI Fire 8V	04->	LX907		OC259		KL239/1		X			
Fiorino	Motor 1.3 MPI Fire 8V	01/03->			OC600				X			
Fiorino	MPFi	97->	LX907		OC66 OC505 PLUS		KL239/1		X			
Fiorino	MPFi HD1500	97->	LX200 LX200/1	LXS40/1	OC66 OC505 PLUS		KL239/1		X			
Fiorino Furgão	1.5i.e	->96	LX907		OC23 OC506 PLUS		KL239/1		X			
Fiorino Furgão - Álcool/Gas.	1.5i.e	97->	LX907		OC66 OC505 PLUS		KL239/1		X			
Fiorino Trekking/ Working	1.5i.e	97->	LX907		OC23 OC506 PLUS		KL239/1		X			
Freemont	2.4L 16v DUAL VVT	11->							LA569			
Idea	1.8L 8v MPI Flex	01/06->	LX908		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA422 LAK42 2			
Idea	Fire 1.4L 8v Flex	01/06->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2			
Linea	1.4L 16v T-jet	11/08->			OX827D		KL582 (Plus)		LA612 LAK61 2			
Linea (Dualogic/Absolute)	1.9L 16v Flex	11/08->	LX2644		OC66 OC505 PLUS		KL582 (Plus)		LA612 LAK61 2			
Linea (LX/HLX/ LX Dualogic / HLX Dualogic)	1.9L 16v Flex	01/10->	LX2644		OC66 OC505 PLUS		KL582 (Plus)		LA612 LAK61 2			
Linea (LX/HLX/Absolute)	1.8L 16v E-torq Flex	09/10->					KL582 (Plus)		LA612 LAK61 2			
Marea	1.6	06->07			OC66 OC505 PLUS				LA56			
Marea	1.6/1.8	99->	LX618		OC272		KL582 (Plus) KL83 ⁽¹⁾		LA56			
Marea	1.8 SX, 2.4 ELX, 2.4 HLX	00->	LX618		OC272		KL582 (Plus) KL83 ⁽¹⁾		LA56			
Marea / Weekend	1.6	05->	LX618						LA56			
Marea / Weekend	2.0 20V	99->	LX618		OC272		KL582 (Plus) KL83 ⁽¹⁾		LA56			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FIAT											
Marea / Weekend	2.0 20V	98->	LX618		OC66 OC505 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA56		
Marea / Weekend	2.4 20V	00->	LX618		OC272		KL582 (Plus) KL83 ⁽¹⁾		LA56		
Marea / Weekend	2.4 20V turbo	00->	LX618		OC66 OC505 PLUS				LA56		
Novo Idea (Essence)	1.6L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2		
Novo Idea (Sporting)	1.8L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2		
Palio	1.8L 8v MPI	01/01- >12/04	LX908		OC90 OC504 PLUS		KL582 (Plus)		LA422 LAK42 2		
Palio	1.8L 8v MPI Flex	01/05->	LX908		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.0L 16v MPI	01/01- >12/03	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.0L 8v MPI	01/02- >12/05	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.0L 8v MPI Flex	01/06->	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.3L 16v MPI	01/01- >12/03	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.3L 8v MPI	01/03- >12/03	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.3L 8v MPI Flex	01/04- >12/05	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio	Fire 1.4L 8v MPI Flex	01/06->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio Brasil 500	1.0 L 8V SOHC L4 gasolina	1999							LA601		
Palio Citymatic	1.0 L 8V SOHC L4 gasolina	1999- >2000							LA601		
Palio EL Spi	1.6 L 8V SOHC L4 gasolina	1998- >1999							LA601		
Palio ELX MPI	1.0 L 8V SOHC L4 gasolina	1998- >2000							LA601		
Palio ELX MPI 16 V	1.6 L 16V DOHC L4 gasolina	1996- >2000							LA601		
Palio El/Elx Mpi	1.5 L 8V SOHC L4 álcool	1998- >2001							LA601		
Palio EX	1.0 L 8V SOHC L4 gasolina	1998- >1999							LA601		
Palio EX MPI	1.0 L 8V SOHC L4 gasolina	1998- >2003							LA601		
Palio Ex/Edx Mpi	1.0 L 8V SOHC L4 álcool	1998- >2002							LA601		
Palio Weekeend Adventure mpi 16V	1.6 L 16V DOHC L4 álcool	1999							LA601		
Palio Weekeend Adventure RST	1.6 L 8V DOHC L4 gasolina	1999- >2003							LA601		
Palio Weekeend ELX Hitachi	1.6 L 8V SOHC L4 gasolina	1997- >2000							LA601		
Palio Weekeend EX MPI	1.5 L 8V SOHC L4 gasolina	1997- >1999							LA601		
Palio Weekeend MPI	1.6 L 8V SOHC L4 gasolina	1998							LA601		
Palio Weekeend Mpi 6M	1.0 L 8V SOHC L4 gasolina	1999- >2000							LA601		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FIAT											
Palio Weekeend Sport 16V	1.6 L 16V DOHC L4 álcool	1997- >1999							LA601		
Palio Weekeend Stile 16V	1.6 L 16V DOHC L4 álcool	1997- >2003							LA601		
Palio Weekend	1.0/ 1.5 e 1.6 16V	97->00	LX908		OC66 OC505 PLUS		KL238D		LA601		
Palio Weekend	1.8L 8v MPI	01/03->	LX908		OC90 OC504 PLUS		KL582 (Plus)		LA422 LAK42 2		
Palio Weekend	Fire 1.0L 16v MPI	01/01- >12/03	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio Weekend	Fire 1.3L 16v MPI	01/00- >12/04	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio Weekend (Dualogic)	1.8L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2		
Palio Weekend (ELX/Trekking)	Fire 1.4L 8v Flex	05/08->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio Weekend / Siena / Strada	1.5 Álcool	99->	LX908		OC66 OC505 PLUS		KL238D		LA601		
Palio Weekend / Siena / Strada	Fire 1.0/1.3L 8/16v	01->	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2		
Palio YOUNG	1.0L 8V SOHC L4 gasolina	2000- >2001							LA601		
Palio (Essence)	1.6L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2		
Palio (Sporting)	1.8L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2		
Palio (todos)	1.0 EDX, 1.5 EL, 1.6 16V	96->00	LX908		OC66 OC505 PLUS		KL238D		LA499		
Palio / Palio Weekend / Siena / Strada	Fire 1.0L Flex	05->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio / Palio Weekend / Siena / Strada	Fire 1.3L Flex	04->05	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio / Palio Weekend / Siena / Strada	Fire 1.3L Flex	05->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Palio / Palio Weekend / Siena / Strada	Fire 1.4L Flex	->12/06	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2		
Punto	1.4L 16v T-jet	03/09->			OX827D		KL582 (Plus)		LA612 LAK61 2		
Punto (ELX)	Fire 1.4L 8V Flex	07/07->	LX2643		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA612 LAK61 2		
Punto (Essence)	1.6 16V E.TORQ FLEX	2010->			OX175D		KL582 (Plus)				
Punto (Essence/Dualogic)	1.8 16V E.TORQ FLEX	2010->			OX175D		KL582 (Plus)				
Punto (HLX/Sporting)	1.8L 8V MPI Flex	07/07- >06/10	LX2644		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA612 LAK61 2		
Siena	1.0/ 1.5/ 1.6 16V	97->00	LX908		OC66 OC505 PLUS		KL238D		LA601		





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			1º	2º	1º	2º	1º	2º				
FIAT												
Siena	1.8L 8v MPI	01/03- >12/04	LX908		OC90 OC504 PLUS		KL582 (Plus)		LA422 LAK42 2			
Siena	1.8L 8v MPI Flex	01/05->	LX908		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.0L 16v MPI	01/01- >12/03	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.0L 8v MPI	01/02- >12/06	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.0L 8v MPI Flex	01/06->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.3L 16V MPI	01/00- >12/03			OC600				LA499			
Siena	Fire 1.3L 8v MPI	01/03- >12/04	LX908		OC259 OC600		KL238D		LA422 LAK42 2			
Siena	Fire 1.3L 8v MPI Flex	01/05- >12/05	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.4L 8v MPI Flex	01/06->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2			
Siena	Fire 1.4L MPI Fire Tetrafuel	01/06->			OC600				LA422 LAK42 2			
Siena ELX	1.6L 16V SPI DOHC Gasolina	1997- >1999							LA601			
Siena EL/ HL	1.6L 16V DOHC Gasolina	1998- >1999							LA601			
Siena Spi	1.6L 8V SOHC Gasolina	1997- >1999							LA601			
Siena Sport MTV		1998							LA601			
Siena Style	1.6L 16V DOHC Gasolina	1998- >1999							LA601			
Siena (Essence/Sporting)	1.8L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2			
Stilo	1.8 8/16V	02->	LX1770		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA142			
Stilo	1.8L 8v MPI Flex	01/06->	LX1770		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA142			
Stilo	2.4 20V	02->	LX1770		OC66 OC505 PLUS				LA142			
Strada	1.0/1.5/1.6 16V	98->00	LX908		OC66 OC505 PLUS		KL238D		LA601			
Strada	1.5 8V Álcool	00->	LX908				KL582 (Plus) KL83 ⁽¹⁾		LA488			
Strada	1.5L 8v MPI	05/99- >12/04	LX908		OC66 OC505 PLUS		KL238D		LA422 LAK42 2			
Strada	1.8L 16v E.torQ Flex	09/10->			OX175D		KL582 (Plus)		LA422 LAK42 2			
Strada	1.8L 8v MPI	01/03- >12/04	LX908		OC90 OC504 PLUS		KL582 (Plus)		LA422 LAK42 2			
Strada	1.8L 8v MPI Flex	01/05->	LX908		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA422 LAK42 2			


(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
FIAT												
Strada	Fire 1.3L 8v MPI	01/04->	LX908		OC259 OC600		KL582 (Plus)		LA422 LAK42 2			
Strada	Fire 1.4L 8v MPI Flex	01/06->	LX908		OC259 OC600 OC1028 FLEX		KL582 (Plus)		LA422 LAK42 2			
Strada LX CE	1.6L 16V Mpi DOHC Gasolina	1998- >2001							LA601			
Strada Spi	1.5L 8V SOHC Gasolina	1998- >2001							LA601			
Strada Trekking Spi	1.6L 8V SOHC Gasolina	1999- >2000							LA601			
Strada Working	1.5L 8V SOHC Gasolina	1998- >2001							LA601			
Strada Working CE	1.6L 16V DOHC Gasolina	1998- >2002							LA601			
Tempra	2.0 16V	93->	LX961		OC23 OC506 PLUS				LA34			
Tempra	2.0 16V Injeção Eletrônica	92->	LX961		OC23 OC506 PLUS		KL239/1		LA34			
Tempra	2.0 Álcool Carburado	92->94			OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		LA34			
Tempra	2.0 Injeção Eletrônica	95->	LX961		OC23 OC506 PLUS		KL2		LA34			
Tempra		01/93->							LA34 ⁽³⁾			
Tempra Station Wagon	2.0	95->	LX453		OC23 OC506 PLUS		KL239/1		LA34			
Tempra Turbo	2.0	95->	LX961				KL60		LA34			
Tipo	1.6 IE	->94			OC506 PLUS				LA34			
Tipo	1.6 IE- Imp.	93->	LX589				KL239/1		LA34			
Tipo	1.6 MPI	96->	LX453		OC66 OC505 PLUS		KL60		LA34 ⁽³⁾			
Tipo	2.0 16V	->94			OC506 PLUS				LA34			
Tipo	2.0i	95->	LX453		OC66 OC505 PLUS		KL239/1		LA34 ⁽³⁾			
Tipo	2.0i 16V	95->	LX453		OC66 OC505 PLUS		KL239/1		LA34 ⁽³⁾			
Tipo Importado	2.0i	->94	LX453		OC23 OC506 PLUS		KL60		LA34 ⁽³⁾			
Uno	Fire 1.0L 8V MPI	01->	LX907		OC259 OC600		KL582 (Plus)		X			
Uno Economy	Fire 1.0L 8V MPI Flex	09->	LX907		OC259 OC600 OC1028 FLEX		KL239/1		X			
Uno Furgão	1.5i.e	97->	LX907		OC66 OC505 PLUS		KL239/1		X			
Uno Mille	1000 Álcool	96->	LX907		OC66 OC505 PLUS		KL239/1		X			
Uno Mille	Fire 1.0L 8V Flex	05->	LX907		OC259 OC600 OC1028 FLEX		KL239/1		X			
Uno Mille	Fire 1.3L 8V MPI	01/03->			OC600				X			
Uno Mille-Carburador	1000CC	90->92	LX157/1		OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Uno Mille Smart		01/00->	LX907		OC23 OC506 PLUS		KL239/1		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
FIAT												
UNO Novo (Way / Attractive / Vivace / Sporting)	1.0L e 1.4L 8V FLEX (EVO)	05/10->	LX3115		OC259 OC600 OC1028 FLEX	KL582 (Plus)	LAK63 3 LA633					
Uno Smart		92->	LX907		OC66 OC505 PLUS	KL239/1	X					
Uno Turbo		94->96	LX907		OC23 OC506 PLUS	KL60 KL60/2	X					
Uno, Prêmio, Elba - (Sistema HD opcional)	1300CC, 1500CC	90->91	LX200 LX200/1		OC23 OC506 PLUS	KL63 KL222	X					
Uno, Prêmio, Elba, Fiorino - 1.5R	1300CC, 1500CC	84->93	LX55		OC23 OC506 PLUS	KL63 KL222 ⁽²⁾	X					
Uno, Prêmio, Elba, Mille & ELX & EP, Uno 1.6 MPI, Fiorino Injeção	1000CC, 1300CC, 1500CC	93->	LX907		OC23 OC506 PLUS	KL239/1	X					
FIAT ALLIS												
10-Série 14C (Esteira)	Cummins 8.3				OC304	KC6D	X					WFC1-REFRIG.
134BR	MB OM352	->82	LX243	LXS37/1	OX85D	KX43 KX35	X					
1500B, 1900B	MB OM352	->82	LX243	LXS37/1	OX85D	KX43 KX35	X					HX51D-TRANS.
1500B, 1900B	MB OM352	83->	LX243	LXS37/1	OX199D	KX43 KX35	X					HX51D-TRANS.
21B			LX760	LXS299	OX5D OX198D		X					
41B	Cummins				OX198D OX218D		X					
745/745B/745H	MB OM 352				OX5D		X					
82-93 / 82-94 / 85-90 / 88-93 / 88-94			LX1142				X					
945 / 945B	MB OM 352		LX760	LXS299	OX5D OX198D		X					WFC1-REFRIG.
AD14	Scania D11		LX265	LXS37/1		KC24 KC6D	X					
AD14-C	Cummins 6CT 8.3				OC319	KC113	X					
AD20	Fiat 947					KC4	X					
AD20	Fiat 948				OC35		X					
AD5 TRATOR DE ESTEIRA												
AD7B	MWM 22916				OC60	KX44	X					
AD7C	Fiat					KX23	X					
ADDB 14	Fiat 6956				OC35		X					
AD/DB14	Fiat 1700					KC4	X					
AD/DB14	Fiat 6956				OC35		X					
FE 105	MWM D229/6		LX265	LXS37/1	OC60	KX44	X					
FG70	MB OM352A		LX243	LXS37/1	OX197D	KX43 KX35	X					
FG70-BR	MB OM352		LX265	LXS37/1	OX197D	KX43 KX35	X					
FG85	Cummins 6 C 8.3				OC319	KC107	X					WFC2-REFRIG.
FG85 Motoniveladora	Cummins Serie C					KC113	X					
FG85, FG95	Fiat 836ST		LX275	LXS5/1			X					
FL14						KC4	X					
FL4, FL4C	Fiat					KX23 KX23	X					
FL4, FL4C Pá Carregadeira de esteira	Scania D11					KX23	X					




(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
FIAT ALLIS											
FR10M	MB OM352A				OX197D		KX43		X		
FR10, FR12; Tratores de rodas	MB OM352	79->	LX265	LXS37/1	OX197D		KX43 KX35		X		
FR10, FR12; Tratores de rodas	MB OM352	->78	LX265	LXS37/1	OC30		KX43 KX35		X		
FR12 - HD	Mercedes-Benz		LX265	LXS37/1	OX197D		KX43 KX35		X	HX52-DIR.	
L85 / L95			LX1142						X		
Retro FH200	MWM				OC35				X		
S90	MWM D229/6				OC60		KX44		X		
S90							KX23		X		
Winner F100			LX1142						X		
FORD											
1215	Motor Cummins 6BTAA		LX972	LXS226	OC320				X		
1317 E (3.9)	Cummins Int. 4 ISBE	02/05->	LX2533	LXS296	OC502		KC440		X		HX15-DIR. AL12- DESUM.
1317 (5.9)	Cummins 6B	09/02->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1415 (5.9)	Cummins 6BTAA	12/01->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1417 (5.9)	Cummins 6BT	04/92- >08/02	LX971	LXS227	OC320		KC24 KC107 KC118		X		WFC2- REFRIG. HX15-DIR.
1417 (5.9)	Cummins 6BT	09/02->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1421 (5.9)	Cummins 6BTAA	12/99- >08/02	LX971	LXS226	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1421 (5.9)	Cummins 6BTAA	09/02->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1517 E (3.9)	Cummins Int. 4 ISBE	02/05->	LX2533	LXS296	OC502		KC440		X		HX15-DIR. AL12- DESUM.
1517 (5.9)	Cummins 6BTAA	11/02->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1521 (5.9)	Cummins 6BTAA	12/01->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1617 (5.9)	Cummins 6BT	05/93- >11/01	LX972	LXS226	OC320		KC24 KC107 KC118		X		HX15-DIR. WFC2- REFRIG.
1617 (5.9)	Cummins 6BT	12/01->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1621 (5.9)	Cummins 6BTAA	12/99- >11/01	LX972	LXS226	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1621 (5.9)	Cummins 6BTAA	12/01->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1717 E (3.9)	Cummins Int. 4 ISBE	02/05->	LX2533	LXS296	OC502		KC440		X		HX15-DIR. AL12- DESUM.
1717 (5.9)	Cummins 6BTAA	08/02->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1721 (5.9)	Cummins 6BTAA	12/01->	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. WFC2- REFRIG.
1722 E (5.9)	Cummins Int. 6 ISBE	01/06->	LX1716	LXS260	OC502		KC440		X		HX15-DIR. AL12- DESUM.
1722 (5.9)	Cummins 6BTAA	12/01- >12/06	LX2533	LXS296	OC320		KC24 KC118		X		HX15-DIR. AL12- DESUM. WFC2- REFRIG.





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
FORD											
2422 E (5.9)	Cummins Int. 6 ISBE	01/06->	LX1716	LXS260	OC502	KC440			X		HX15-DIR. AL12- DESUM.
2428 E (5.9)	Cummins Int. 6 ISBE	01/06->	LX1716	LXS260	OC502	KC440			X		HX15-DIR. AL12- DESUM.
2622 E (5.9)	Cummins Int. 6 ISBE	01/06->	LX1716	LXS260	OC502	KC440			X		HX15-DIR. AL12- DESUM.
2628 E (5.9)	Cummins Int. 6 ISBE	01/06->	LX1716	LXS260	OC502	KC440			X		HX15-DIR. AL12- DESUM.
4500, 5000	Perkins 4203	71->			OC67	KX23			X		
4600, 5600, 6600	Ford Diesel	78-84			OC324	KX23			X	HC76	
814	Cummins 4BT 3.9L	96->	LX910	LXS37/1	OC333	KC166			X		
814 (4X2)	Cummins 4BT AA		LX910	LXS37/1	OC320	KC18			X	HX15	
815	Cummins 4BT 3.9L ->150CV	00->	LX910	LXS37/1	OC333	KC18			X		
815 E (3.9)	Cummins Int. 4 ISBE	02/05->	LX910	LXS37/1	OC502	KC440			X		HX15-DIR. AL12- DESUM.
815VUC Euroll	Cummins 4BT 3.9L 150CV	00->	LX910	LXS37/1	OC320	KC113			X	HX15	
B12000	MWM 6.10	96->	LX972	LXS226	OC35	KC24	KC24		X		
B1618	MWM 6.10	01/92- >12/97	LX265	LXS37/1	OC35	KC24	KC6D		X	HX15	
Cargo 1113	MWM D229/6	86->	LX972	LXS226	OC60	KX43	KX35		X	HX15	
Cargo 1113, 1313, 1513	MWM D229/6	->86	LX972	LXS226	OC60	KX43	KX35		X	HX15	
Cargo 1114, 1117, 1314, 1317, 1514, 1517	Ford FTO 6.6	->86	LX972		OC334	KC113	KC113		X	HX15	
Cargo 1114, 1215, 1314, 1415, 1514, 1615; Natural aspirado	Ford FTO 6.6	86->	LX972	LXS226	OC40	KC113	KC113		X	HX15	
Cargo 1117, 1212	Ford FTO 6.6 Turbo	87->	LX972	LXS226	OC302	KC113	KC113		X	HX15	
Cargo 1117, 1218, 1317, 1418, 1517, 1518, 1618, 1618T, 1619, 2018	Ford FTO 6.6 Turbo	90->	LX972	LXS226		KC113			X		
Cargo 1215, 1415	Cummins 6BTAA (5.9)	04/92- >11/01	LX972	LXS226	OC320	KC24	KC107	KC118	X		HX15-DIR. WFC2- REFRIG.
Cargo 1215, 1415	Ford FTO 6.6	87->93	LX972	LXS226	OC40	KC113	KC113		X	HX15	
Cargo 1215,1415,1617	Cummins 6BT 5.9L	93->	LX972	LXS226	OC320	KC107	KC113		X		WFC2- REFRIG.
Cargo 1217C	Cummins 6BT 5.9L	01/01->	LX972	LXS226		KC6D			X		WFC4- REFRIG.
Cargo 1217,1417,1421,1617,1621	Cummins 6BT 5.9L	02->	LX1716		OC320	KC6D	KC113		X	HX15	
Cargo 1218, 1418, 1419, 1618, 1619, 2218, 2319	Ford FTO 6.6 Turbo	87->	LX972	LXS226	OC302	KC113			X	HX15	
Cargo 1317	Cummins 6BTAA B5.9					KC6D			X		
Cargo 1317	Ford FTO 6.6 Turbo	87->	LX972	LXS226	OC302	KC113	KC113		X		
Cargo 1317E	Interact 4	05->				KC113			X		
Cargo 1415	Cummins 6BT 5.9	09/02- >11/02				KC6D			X		
Cargo 1421	Cummins B5.9 TD	09/02- >11/02				KC6D			X		
Cargo 1422, 1622, 2322, 2422, 2425, 3530, 4030	Cummins 6CT 8.3	99->	LX971	LXS227	OC304	KC118			X	HX15	
Cargo 1422, 1622, 2322, 2422, 3530 (6X4)	Cummins 6CT 8.3	92->	LX971	LXS227		KC107	KC24		X		WFC2- REFRIG.
Cargo 1517	Cummins 6BTAA B5.9					KC6D			X		
Cargo 1521	Cummins 6BTAA B5.9					KC6D			X		
Cargo 1521	Cummins 6BTAA B5.9					KC6D			X		
Cargo 1617	Cummins 6C 8.3	92->	LX972	LXS226		KC107	KC24		X		WFC2- REFRIG.
Cargo 1622	Cummins 6CTAA 8.3	03->	LX1056	LXS260		KC113			X	HX15	
Cargo 1622	Cummins 6CTAA 8.3	03->	LX1056 LX1056/1 LX1716	LXS260		KC113			X	HX15	WFC2- REFRIG.





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
FORD												
Cargo 1622 (6X4)	Cummins 6CT 8.3	01/92->	LX971	LXS227	OC304		KC6D		X			WFC2-REFRIG.
Cargo 1717	Cummins 6BTAA B5.9						KC6D		X			
Cargo 1721	Cummins 6BTAA B5.9						KC6D		X			
Cargo 1721	Cummins B5.9 TD	01/02->					KC6D		X			
Cargo 1722 Max Ton	Cummins 6CTAA 8.3 3T	01/01->	LX1716				KC6D		X			
Cargo 1731 Max Ton	Cummins 6CTAA 8.3	01/01->	LX1716		OC304		KC6D		X	HX15		WFC4-REFRIG.
Cargo 2421 Max Truck	Cummins 6BTAA B5.9		LX1716				KC6D		X			
Cargo 2422 Max Ton	Cummins 6CTAA C8.3	01/01->	LX1716				KC6D		X			
Cargo 2422 Max Truck	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 2422E	Interact 6	06->			OC304				X			
Cargo 2622 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 2622E	Interact 6	06->					KC113		X			
Cargo 2626 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 2631 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 3222 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 3224	Ford 7.8 Intercooler	89->	LX971	LXS227	OC302		KC24 KC6D		X	HX15		WFC4-REFRIG.
Cargo 3530	Cummins 6CT AA 8.3	92->	LX971	LXS227	OC304		KC107 KC24		X			WFC2-REFRIG.
Cargo 3660	Cummins 6CT AA 8.3						KC107 KC24		X			WFC2-REFRIG.
Cargo 4030	Cummins 6CT 8.3	99->	LX971	LXS227	OC304		KC113		X	HX15		WFC4-REFRIG.
Cargo 4031 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 4331 Max Ton	Cummins 6CTAA C8.3		LX1716				KC6D		X			
Cargo 4432E	ISC320	06->					KC133		X			
Cargo 5031	Cummins 6CTAA 8.3	02->	LX1716	LXS260					X	HX15		WFC4-REFRIG.
Cargo 814	Cummins 4BT3.9L	96->	LX910	LXS37/1	OC333		KC166		X			
Cargo 814 (4X2)	Cummins 4BT AA		LX910	LXS37/1	OC320		KC18		X	HX15		
Cargo 815	Cummins 4BT 3.9L 150CV	00->	LX910	LXS37/1	OC333		KC18		X	HX15		
Cargo 815/815VUC Euroll	Cummins 4BT 3.9L 150CV	00->	LX910	LXS37/1	OC320		KC113		X	HX15		
Corcel II, Belina II, Hobby, Del Rey, Scala, Guia, Pampa 4x2	Ford 1.6	78->83	LX905/1		OC300 OC506 PLUS		KL63 KL222		X			
Corcel / Belina II	1.6 CHT	84->88	LX64		OC300 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Corcel, Belina	Ford 1.4	69->77	LX963		OC300 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Courier	1.3 Endura-E	07/99-> 08/99	LX1598 LX687		OC266 OC506 PLUS		KL224/1		LA77			
Courier	1.3 Endura-e (todos) / 1.4 / 1.6 16V.	97->	LX1598 LX687		OC235 OC506 PLUS		KL224/1		LA77			
Courier CLX SI	1.4L Zetec SE 16V	07/97-> 08/99	LX1598 LX687		OC266 OC506 PLUS		KL224/1		LA77			
Courier Furgoneta / Courier	1.6 SOHC Zetec Rocam	09/99->	LX1598 LX687		OC266 OC506 PLUS		KL224/1		LA77			
Courier L/XL	1.6L 8v Zetec Rocam Flex	06/07->	LX1598 LX687		OC266 OC506 PLUS OC1029 FLEX		KL224/1		LA77			
Del Rey, Scala, Belina II, Guia - C/ Motor VW 1.8 AP800	VW 1.8 AP800	89->	LX208/1		OC47 OC522 PLUS		KL222 KL63		X			
EcoSport	1.6	02->	LX1597		OC266 OC506 PLUS		KL420		LA169			
EcoSport	1.6L Flex	05->	LX1597		OC266 OC506 PLUS OC1029 FLEX		KL420		LA169			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FORD											
EcoSport	2.0 Duratec	03->	LX2531		OC235 OC506 PLUS		KL420		LA169		
Ecosport Duratec HE (Câmbio Automático)	2.0L	11/06->	LX998						LA169		
Ecosport Duratec HE (Câmbio Manual)	2.0L	01/03->	LX2531		OC235 OC506 PLUS		KL420		LA169		
EcoSport Supercharger	1.0 Zetec Rocam	03->	LX1589		OC266		KL420		LA169		
EcoSport XL, XLS e XLT	1.6 Zetec Rocam SOHC 8V	03->	LX1597		OC266 OC506 PLUS		KL420		LA169		
EcoSport (Modelo Novo)	2.0L Duratec Flex	12->	LX2867								
Escort	1.6 Zetec Rocam	02/00- >11/02	LX1598 LX687		OC266 OC506 PLUS		KL224/1		X		
Escort	1.6 Zetec Rocam	02/00- >11/02	LX435		OC266 OC506 PLUS		KL224/1		X		
Escort	1.8 16v Zetec	09/96- >11/02	LX435		OC266 OC506 PLUS		KL224/1		X		
Escort	VW AP2000	93->	LX906		OC47 OC522 PLUS		KL2		X		
Escort SW	1.6 Zetec Alcool	00->02	LX435		OC266 OC506 PLUS				X		
Escort Wagon, GLX	1.8 - 2.0 Zetec Sem Ar Condicionado	96->	LX435		OC266 OC506 PLUS		KL224/1		X	HX15	
Escort XR3, Escort Guia, Escort Guarujá	VW AP1800	89->	LX906		OC47 OC522 PLUS		KL63 KL222 ⁽²⁾		X		
Escort (Ghia / Guarujá / XR3)	1.8 / 2.0 AP	01/89->	LX906		OC47 OC522 PLUS		KL223/1		X		
Escort / Escort Guia / L / XR3	Ford 1600 CHT	89->	LX202		OC300 OC506 PLUS		KL63 KL222 ⁽²⁾		X		
Escort/ Escort SW	1.6 Zetec Gasolina	97->02	LX435		OC266 OC506 PLUS		KL224/1		X		
Escort/ Escort SW	1.8 Zetec	97->02	LX435		OC47 OC522 PLUS		KL224/1		X		
Explorer	4.0 V6	1992- >1995	LX2645		OC67		KL224/1		X		
Explorer	4.0 V6 OHV	12/92- >10/97	LX1937		OC67		KL223/1		X		
Explorer	4.0L V6 SOHC	97->			OC67		KL223/1		X		
Explorer	4.0L V6 / 2.3i 4cil.	92->94			OC67				X		
Explorer	4.0L V6 / 2.3L 4cil.	97->	LX1095		OC67				X		
Explorer	Diesel	97->			OC67		KC18		X		
Explorer (automático)	5.0 V8 OHV EFI	01/98->	LX1095				KL223/1		X		
Explorer (automático)	5.0 V8 OHV EFI	03/04->	LX1095				KL223/1		X		
Explorer (automático)	5.0 V8 OHV EFI	12/02- >02/04	LX1095				KL223/1		X		
F-100	Motor 4 Cil. 1.4L / 1.6L Álcool	78->	LX905/1		OC23 OC506 PLUS		KL63 KL222 ⁽²⁾		X		
F-100 /Rural/Jeep/Pick-up	Willys 4cil	->77			OX214D		KL63 KL222 ⁽²⁾		X		
F-1000	6 Cil. Gasolina Argentino	86->	LX974	LXS231			KL63 KL222 ⁽²⁾		X		
F-1000	Ford 4 Cil. Diesel	86->88	LX975	LXS231	OC324		KX23		X		
F-1000	Ford 4 Cil. Diesel	89->	LX974	LXS231	OC324		KX23		X		
F-1000	Maxion/Rover	96->	LX910	LXS37/1	OC261		KC18	KC18	X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FORD											
F-1000	MWM 4.10	98->	LX910	LXS37/1	OC60		KL41		X		
F-1000	MWM 4.3 T	96->	LX910	LXS37/1	OC60		KL41		X		
F-1000	MWM D226/4	77->79	LX1065		OC26		KX43 KX35		X		
F-1000	MWM D229/4 aspirado	89	LX200 LX200/1	LXS40/1	OC26		KX43	KX43	X		
F-1000							KC131		X		
F-1000 Super Cab	MWM 4.1T	97->	LX910	LXS37/1	OC60		KC18		X	HX15	
F-1000 Turbinado	MWM TD299/4	92->	LX910		OC60		KC18		X		
F-1000 Turbo	MWM	93->94	LX910	LXS37/1	OC67		KC18		X		
F-1000, F-2000	MWM D229/4	89	LX974		OC26		KX43 KX35		X		
F-1000, F-2000 Opcionais Carcaças Fram	MWM D229/4	80->86	LX975	LXS231	OC26		KX43 KX35		X		
F-1000, F-2000, F-4000	709E, LO809			LXS5/1					X		
F-1000, F-2000, F-4000, F-12000, F-14000	Maxion/Rover	92->	LX910						X		
F-11000, F-12000, F-13000	Perkins 6358	82->	LX236	LXS41/1	OC308		KX23		X	HX15	
F-12000	Cummins 6CTAA B5.9	01/99->					KC6D		X		
F-12000, F-14000	MWM 6.10	96->		LXS37/1	OC35		KC18		X		
F-12000, F-14000 HD	MWM 229/6	92->	LX910	LXS37/1	OC60		KX43	KX43	X		
F-12000, F-14000, F-16000	Cummins 6BT	99->	LX1096	LXS229	OC320		KC107	KC24	X		
F-14000	Cummins 6CTAA B5.9	01/99->					KC6D		X		
F-16000	Cummins 6CTAA B5.9	01/99->					KC6D		X		
F-2000	MWM D229/4	->86	LX200 LX200/1	LXS40/1	OC26		KX43 KX35		X		
F-2000, F-4000	Ford Diesel	89	LX974	LXS231	OC324		KX23		X	HX15	
F-2000, F-4000	MWM D226/4	77->79	LX1065		OC26		KX43 KX35		X	HX15	
F-2000, F-4000	MWM D229/4	80->89	LX275		OC26		KX43 KX35		X	HX15	
F-250	4.2 MWM Sprint 6.07T e TCA	99->00	LX910	LXS37/1	OC60		KL41		X		
F-250	4.2 MWM Sprint 6.07T e TCA	01->	LX910		OC60		KL75		X		
F-250	4.2L Mecânico	10/98-> 04/06	LX910		OC333		KC166	KL796	X		
F-250	6.10T Sprint MWM	99->	LX910	LXS37/1	OC60				X	HX15	
F-250	Cummins 3.9 4BT	99->	LX910	LXS37/1	OC333		KC166		X		
F-250	Cummins 3.9 Eletrônico	04/06->	LX910		OC502			KL796	X		
F-350	Cummins 3.9 4BT	98->	LX910	LXS37/1	OC333		KC166		X	HX15	
F-350	Cummins 3.9 4BTAA	12/05->					KC113	KC107	X		
F-4000	Cummins 3.9 4BT	01/96->	LX910	LXS37/1	OC333		KC166	KL796	X		
F-4000	Cummins 3.9 4BTAA	12/05->					KC113	KC107	X		
F-4000	MWM 4.3T	96->	LX910	LXS37/1	OC60		KL41		X	HX15	
F-6000, F-7000	MWM D229/6	01/80-> 12/81	LX265	LXS37/1	OC60		KX43 KX35		X	HX15	
F-600, F-700, F-750, F-11000, F-12000, F-13000	Perkins 6357	77-81	LX973		OX200D		KX23		X		
F-7000	Detroit 4.53N	01/77-> 12/79	LX265	LXS37/1					X		
F-75	4 Cil.	78->	LX200 LX200/1		OC23 OC506 PLUS		KL222		X		
F-75	Georgia	75->	LX905/1		OC23 OC506 PLUS		KL63 KL222		X		
F-75/Rural/Jeep/Pick-up	Willys 4cil	->77			OX214D		KL63 KL222 ⁽²⁾		X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
FORD												
Fiesta	1.0/1.6 Rocam SOHC	99->	LX1312		OC266 OC506 PLUS		KL224/1		LA77			
Fiesta Hatch	1.0	02->	LX1597		OC266 OC506 PLUS		KL420		LA169			
Fiesta Hatch	1.4 16V Zetec SE	04/96- >08/99	LX1598 LX687		OC235 OC506 PLUS		KL224/1		LA77			
Fiesta Hatch	1.6	02->	LX1597		OC266 OC506 PLUS		KL420		LA169			
Fiesta Hatch	Endura - E 1.3	04/96- >05/98	LX1598 LX687		OC235 OC506 PLUS		KL224/1		LA77			
Fiesta Hatch/Sedan	1.0	02->	LX1597		OC235 OC506 PLUS		KL420		LA77			
Fiesta Hatch/Sedan	1.0 Flex	04->	LX1597		OC266 OC506 PLUS OC1029 FLEX		KL420		LA169			
Fiesta Hatch/Sedan	1.6 Flex	05->	LX1597		OC266 OC506 PLUS OC1029 FLEX		KL420		LA169			
Fiesta Hatch/Sedan	1.6 Zetec Rocam	10/01- >06/06	LX1598 LX687		OC235 OC506 PLUS		KL224/1		LA77			
Fiesta Sedan	1.6	02->	LX1597		OC235 OC506 PLUS		KL420		LA77			
Fiesta Street	1.0/1.6 Zetec Rocam	08/04->	LX1597		OC235 OC506 Plus		KL420		LA77			
Fiesta SuperCharger	1.0	05/02->	LX1589		OC235 OC506 PLUS		KL420		LA77			
Fiesta SuperCharger	1.0	02->	LX1589		OC266 OC506 PLUS		KL420		LA169			
Fiesta (Importado - todos)	Endura - E 1.0 e 1.3	96->00	LX1598 LX687		OC235 OC506 PLUS		KL224/1		LA77			
Fiesta (Importado - todos)	Endura - E 1.0 e 1.3	->96	LX332		OC235 OC506 PLUS		KL224/1		LA77			
Focus	1.6L 16v Sigma Flex	09->	LX1780/3						X			
Focus	1.6L 8V Zetec Rocam Flex	05/07->	LX1712		OC1029 FLEX		KL420		LA78			
Focus	1.6/1.8/2.0 Zetec	00->	LX1712		OC266 OC506 PLUS		KL465		LA78			
Focus	1.8 16V	07/00- 07/04							LA78			
Focus	1.8 16v Zetec	09/98->	LX1712		OC266 OC506 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA220			
Focus	2.0 16V Duratec HE	03/05->					KL465		LA78			
Focus	2.0 16V Zetec	->06/02	LX1712		OC266 OC506 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA220			
Focus	2.0L 16v Duratec Flex	07/08->	LX1780/3		OC266				LA642			
Focus	2.0L Duratec Flex	2010->							LA642			
FT-8000-FT-8500	Detroit 6.53N	77->79	LX227	LXS42/1					X			
Fusion 2.3L 2.3 / 145 PS Duratec / Novo Fusion 2.5L (09->)		05/06->	LX2642									
Ka	1.0 Zetec Rocam	08/99- >12/07	LX1312		OC235 OC506 PLUS		KL224/1		LA77			
Ka	1.0/1.3 Endura	01/97- >08/99	LX962		OC235 OC506 PLUS		KL224/1		LA77			





⁽¹⁾ Tipo Exportação

⁽²⁾ Opcional

⁽³⁾ Com Ar

⁽⁴⁾ Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
FORD												
Ka	1.3 Endura	->96	LX332		OC235 OC506 PLUS		KL224/1		LA77			
Ka	1.6 Zetec Rocam	02/01- >12/07	LX1312		OC266 OC506 PLUS		KL224/1		LA77			
Ka (Modelo Novo)	1.0/1.6 Flex	12/07->	LX1597		OC235 OC506 PLUS OC1029 FLEX		KL420		LA77			
Maverick	4 Cil.	74->77	LX905/1		OC23 OC506 PLUS		KL222		X			
Maverick	6 Cil.	74->77					KL63 KL222 ⁽²⁾		X			
Maverick	8 Cil.	74->77			OC67		KL222		X			
Mondeo	1.8 Zetec-E	01/94- >12/96			OC266 OC506 PLUS		KL224/1		LA25			
Mondeo	2.0 Zetec-E	01/94- >12/96			OC266 OC506 PLUS		KL224/1		LA25			
Mondeo	2.5 V6 DOHC	01/98- >12/00					KL224/1		LA25			
Mondeo (Todos)		->95			OC23 OC506 PLUS		KL224/1		LA25			
Mustang	3.8L V6	94->					KL224/1		X			
New Fiesta (Hatch/Sedan)	1.6L 16v Sigma Flex	11->	LX3304				KL420		LA785			
Novo Fusion	3.0L V6 24v	09->	LX2818						LA752			
Pampa 4X2	1.6 / 1.8L AP		LX200 LX200/1	LXS40/1	OC47 OC522 PLUS		KL63 KL222 ⁽²⁾		X			
Pampa 4x2 e 4x4	Ford CHT	84->88	LX64		OC300 OC506 PLUS		KL63 KL222 ⁽²⁾		X			
Ranger	2.3	11/96- >11/97	LX1937		OC67		KL223/1		X			
Ranger	2.3 4cil. DOHC	97->03	LX1095		OC266 OC506 PLUS		KL223/1		X			
Ranger	2.3 4cil. DOHC	04->	LX1095		HC45 OC522 PLUS		KL223		X			
Ranger	2.3 4L	1995- >1997	LX2645				KL224/1		X			
Ranger	2.3 4L	->1994	LX2645		OC67		KL224/1		X			
Ranger	2.3 SFI Mazda DOHC I-4	03/01- >11/02	LX1095		OC266 OC506 PLUS		KL223/1		X			
Ranger	2.3 V6	86			OC60				X			
Ranger	2.5 Gasolina SOHC	11/97- >03/01	LX1095		OC47 OC522 PLUS				X			
Ranger	2.5 Maxion HS Euro II	12/99- >05/00	LX2646		OC261		KC129/1		X			
Ranger	2.5 Maxion HS Euro II Diesel	00->02	LX1713				KC129/1		X			
Ranger	2.5 Maxion HS Turbo	11/97- >11/99	LX2646		OC261		KC129/1		X			
Ranger	2.5 Maxion HS Turbo Diesel	97->99	LX1095		OC261		KC129/1		X			
Ranger	2.5 Maxion Turbo Intercooler	98->			OC67				X			
Ranger	2.9 V6	92			OC67				X			
Ranger	3.0 6 cil.	->1994	LX2645		OC266 OC506 PLUS		KL224/1		X			
Ranger	3.0 6cil.	95->97			OC266 OC506 PLUS				X			
Ranger	3.0 V6	98->	LX1095		OC266 OC506 PLUS		KL223/1		X			
Ranger	4.0 V6	98->00			OC67		KL223/1		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FORD											
Ranger	4.0 V6	03/01->11/03	LX1095				KL223/1		X		
Ranger	4.0 V6	06/94->11/97	LX1937		OC67		KL223/1		X		
Ranger	4.0 V6	01->	LX1095		OC67		KL223/1		X		
Ranger	4.0 V6	->1994	LX2645		OC67		KL224/1		X		
Ranger Power Stroke	2.8L Maxion Turbo Diesel (Inj. Mecânica)	08/01->	LX1713		OC261		KL761		X		
Ranger Power Stroke	3.0 Eletrônico	07/08->	LX2124		OC1055		KL425		X		
Ranger Power Stroke	3.0 International Electrônico	01/05->07/08	LX2124		OX169/1D		KL425		X		
Taurus	3.0 V6 12V	98->					KL223/1		X		
Taurus	3.0 V6 12V	01/97->12/97					KL224/1		X		
Taurus	3.0 V6 12V	1994->1995	LX2645		HC45 OC506 PLUS		KL224/1		X		
Taurus	3.0 V6 24V	96->					KL223/1		X		
Transit (Van / Furgão)	2.4L TDCi Diesel	12/08->			OX339/2D ECO				X		
Verona	1.6 AE Carburado	01/90->12/92					KL774		X		
Verona	1.8 AP Carburado	01/93->12/94					KL774		X		
Verona CFI	1.8 AP	01/94->12/96	LX906		OC47 OC522 PLUS		KL223/1		X		
Verona EFI	2.0 AP	01/94->12/96	LX906		OC47 OC522 PLUS		KL223/1		X		
Verona GLX	1.8 AP800 / 2.0	90->	LX906		OC47 OC522 PLUS		KL222 KL63		X		
Verona LX	1.6 CHT	90->	LX202		OC300 OC506 PLUS		KL222 KL63		X		
Versailles 2.0	2.0 AP	91->	LX208/1		OC47 OC522 PLUS		KL222 KL63		X		
Versailles Royale	1.8 AP CFI	01/91->12/96	LX208/1		OC47 OC522 PLUS		KL223/1		X		
Versailles Royale EFI	2.0 AP	01/92->12/96	LX906		OC47 OC522 PLUS		KL223/1		X		
Versailles, Royale, Ghia	2.0 AP	92->	LX906		OC47 OC522 PLUS		KL222 KL63		X		
Versailles, Royale, Ghia i	2.0i AP	92->93	LX906		OC47 OC522 PLUS		KL2		X		
FORD TRATORES											
4000	MWM D225/4				OC26		KX43 KX35		X		
4600, 4810	Ford Álcool	83->	LX200 LX200/1	LXS40/1	OC324		KL222 KL63		X	HC76	HX58-DIR.
4600, 5600, 6600	Ford Diesel	78->84			OC324		KX23		X		
4610, 6610, 7610 (4X4) Série 10	Ford Diesel OHV 4256	85	LX969	LXS225	OC324		KX23		X	HC76	
4630, 4630; Narrow	3 Cil.	93->	LX236	LXS41/1	OC302				X	HC76	
5030, 5030; Narrow /5630 /6630 /7630 /7830 /8030	4 Cil.	93->	LX236	LXS41/1	OC302				X	HC76	
7000, 7500, 7600, 7700	Ford diesel	88	LX275	LXS5/1	OC308		KX23		X		HX58-DIR.
740					OC67		KX23		X		
753, 755, 4500, 5000	Ford						KX23	KX23	X		
7610 (4X4)	Ford diesel OHV 4268T	85->	LX969	LXS225	OC324		KX23		X	HC76	HX58-DIR.





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
FORD TRATORES											
7650	Turbo 4X4	88->	LX969	LXS225	OC324	KX23	KX23	X			
7810	Motor importado	90	LX969	LXS225	OC334	KX24		X	HC76		
8430		93->	LX265	LXS37/1		KX23	KX23	X			
8630, 8830		93->	LX265	LXS37/1	OC35			X			
8BR	Perkins 4203	70			OX18D	KX23		X			
Destra, FPMD, FSMD	Ford Major				OX18D			X			
GALION											
150A	MB OM352		LX243		OX199D	KX43 KX35		X			
50A	MB OM314		LX243		OX199D	KX43 KX35		X			
GARDNER DENVER											
SP1050/ 1200	Caterpillar D343				OX217D	KC114		X			
SP160/ 185/ 260	Ford Diesel					KX23		X			
SP250/365	Caterpillar D330				OX3D	KC114		X			
SP325	Perkins 6358				OC308	KX23		X			
SP340	Perkins 6357				OC324	KX23		X			
SP340JB/ SP387	Perkins 6354		LX236	LXS41/1	OC308	KX23		X			
SP365DF	Caterpillar D330T				OC507	KC114		X			
SP365DG	Caterpillar D330				OX3D	KC114		X			
SP600	Caterpillar D333 T		LX760	LXS299	OX3D	KX91		X			
SP750	Cummins NT855		LX760	LXS299	OX198D OX218D	KC133		X			
SP900/900DK	Caterpillar D343				OX217D	KC114		X			
GM											
11000, 12000, 13000, 14000, 19000, 21000 Álcool e Gasolina	GM 4.8L 6 Cil.	85->	LX236	LXS41/1	OC114	KL222 KL63		X	HX15		
11000, 12000, 13000, 14000, 19000, 21000 Diesel	Perkins 6354	01/85->	LX265	LXS37/1	OC308	KX23		X	HX15		
12170 (6.6)/14190 (6.6)/15190 (6.6)/16220 (6.6)	Caterpillar 3116	96->02	LX1092	LXS230	OC121	KC124/1		X			
12170, 14190 (4x2)	Caterpillar 3116	->05/00	LX1056 LX1056/1	LXS260	OC507			X			
12170, 14190, 16220	Caterpillar 3116	96->99	LX1092	LXS230	OC121	KC134		X			
15190	Caterpillar 3116	99->	LX1056 LX1056/1 LX1716	LXS260	OC507	KC134		X			
16220 (4x2)	Caterpillar 3116	->05/00	LX1056 LX1056/1	LXS260	OC507			X			
22000 Álcool e Gasolina	GM 4.8L 6 Cil.	85->	LX236	LXS41/1	OC114	KL222 KL63		X			
22000 Diesel	Perkins 6354	01/85->	LX265	LXS37/1	OC308	KX23		X			
3500 HD, 6150	4.2 MWM Sprint 6.07T Turbo Diesel	2001->			OC60	KL75		X			
5.90	Isuzu 4JG2	98->						X	HX15		
6000T	Maxion S4T	93->	LX236	LXS41/1	OC324	KC18	KC18	X			
6100 (4.1)	Maxion S4	01/97->	LX1673		OC324	KC18 KC119		X	HX15		
6150 (4.2)	MWM Sprint 6	01/97->	LX1673		OC60	KC119		X	HX15		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
GM											
6.100/ 6.150	Maxion S4 /S4T		LX236	LXS41/1	OC324		KC18	KC18	X		
A10	GM 2.5 4 Cil.	01/85->			OC301				X		
A10, C10, C14, A20, Peruas Veraneio	GM 4 Cil.	->73			OX215D		KL63 KL222 ⁽²⁾		X		
A10, C10, C14, C20, Pick-Up Veraneio	GM 6 Cil.	81->84	LX236	LXS41/1	OC114		KL222 KL63		X		
A10, C10, C14, Peruas Veraneio	GM 4 Cil.	74->84	LX902/1		OC301		KL222 KL63		X		
A40 Álcool e Gasolina	GM 6 Cil.	85->			OC114		KL222 KL63		X		
A60 Álcool	292	81->84			OC114		KL222 KL63		X		
A60, A65, A68, A70, C80, C65	GM 6 Cil.	81->84	LX236	LXS41/1	OC114		KL63 KL222 ⁽²⁾		X		
A65, A68, A70 Álcool	297	81->84	LX236	LXS41/1	OC301		KL222 KL63		X		
Agile	1.4 Econoflex	01/09->	LX523		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA11 LAK11		
Astra	1.8L 8v MPFI	01/99->	LX735		OC90 OC504 PLUS		KL224/1		LA75		
Astra	1.8/2.0 GL/GLS 8V-16V	98->	LX735		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA75		
Astra	2.0 GSI 16V (imp.) - C20XE	09/91-> 09/98			OC90 OC504 PLUS		KL60		LA11		
Astra	2.0i 16V - X20 XEV	02/95-> 09/98			OC90 OC504 PLUS		KL60		LA11		
Astra	2.0i 16v MPFI Imp.	01/95-> 12/96	LX390		OC90 OC504 PLUS		KL60		LA11 LAK11		
Astra	2.0L 16v MPFI	01/99->	LX735		OC90 OC504 PLUS		KL224/1		LA75		
Astra	2.0L 8v MPFI	01/99->	LX735		OC90 OC504 PLUS		KL224/1		LA75		
Astra Hatch / Sedan	2.0L 8v Flexpower	04->	LX735		OC90 OC504 PLUS OC1030 FLEX		KL224/1		LA75		
Beretta	2.0	87->90			OC81				X		
Beretta	2.2	90->			OC81				X		
Blazer	2.2 EFI	95->99	LX964		OC90 OC504 PLUS		KL225 KL225/1		X		
Blazer	2.2MPFI	98->00	LX960		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		X		
Blazer	2.4L 8v MPFI Flex	01/07->	LX2529		OC90 OC504 PLUS OC1030 FLEX		KL224/1		X		
Blazer	2.4L 8V MPFI Gasolina	01/01->	LX2529		OC90 OC504 PLUS		KL582 (Plus)		X		
Blazer	2.5 Maxion Rover Diesel	95->99	LX275		OC261		KC18		X		
Blazer	4.3 V6	98->	LX964		OC81				X		
Blazer	MWM 2.8L Turbo (Eletrônico)	06->					KL747	TB1208	X		
Blazer	7.4 V8	87->			OC114				X		
Blazer S	1.9	87->95			OC205				X		
Blazer S	2.8 V6 Gasolina	83->90			OC81				X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
GM											
Blazer / S10	2.5 Maxion HS Turbo	01/96->12/00					KC129/1		X		
Blazer / S10	MWM 2.8L Sprint 4.07TCA	98->01	LX960		OC404		KL41 TB1208		X		
Blazer / S10	MWM 2.8L Sprint 4.07TCA	2002->	LX960		OC404		KL316 TB1208		X		
Blazer/Suburbam	5.0/5.7 V8	87->			OC114				X		
Blazer/Suburbam	6.2	82->			OC114				X		
Blazer/Suburbam	7.4 V8	87->			OC114				X		
Bonanza	4.1L	01/91->	LX208/1		OC114		KL63 KL222		X		
Bonanza	4.2	91->	LX236						X		
Bonanza Custon, Pick-Up Turbo Conquest	Maxion S4	92->93	LX236		OC324		KX23		X	HX15	
C10, C20, Veraneio Álcool/ Gasolina	GM 4.1 6 Cil.	85->	LX236		OC114		KL222 KL63		X	HX15	
C20	4.1L	95	LX275	LXS5/1					X		
C60, C65	GM 6 Cil.	65->80			OX215D		KL63 KL222 ⁽²⁾		X		
C60, C70 Gasolina	292	65->80		LXS41/1			KL63 KL222 ⁽²⁾		X		
C60, C70 Gasolina	292	81->84		LXS41/1			KL63 KL222 ⁽²⁾		X		
Calibra	2.0i 16V - C20XE	06/90->02/94	LX414		OC90 OC504 PLUS		KL60		LA11		
Calibra	2.0i 16V - X20 XEV	02/94->07/97	LX414		OC90 OC504 PLUS		KL60		LA11 LAK11		
Camero	3.1 V6	90->			OC81				X		
Caprice	4.3 V6	87->92			OC81				X		
Caprice	5.7	89->90			OC114				X		
Caprice	5.7	90->			OC114				X		
Caprice	5.7 V8	87->89			OC114				X		
Captiva	2.4 Ecotec gasolina									LA646	
Captiva	3.0 V6 gasolina (Injeção direta)									LA646	
Captiva	3.6 V6 gasolina									LA646	
Cavalier	2.0	87->90			OC81				X		
Cavalier	2.2	90->			OC81				X		
Celebrity	2.8	87->90			OC81				X		
Celebrity	3.1	90->			OC81				X		
Celta	1.0 Flexpower	06->	LX1315		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA11 LAK11		
Celta	1.0 Gasolina	01/01->	LX1315		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11 LAK11		
Celta	1.4 Flexpower	07->	LX1315		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11 LAK11		
Celta	1.4 Gasolina	03->	LX1315		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11 LAK11		
Celta s/ AC		00->							LA21		
Chevette Junior	GM 1.0	92->	LX902/1		OC90 OC504 PLUS		KL222 KL63		X		
Chevette, Chevy 500, Marajo, Junior	GM 1.0- 1.4- 1.6	73->91	LX902/1		OC317 OC504 PLUS		KL222 KL63		X		
Chevette, Chevy 500; Todos		92->	LX208/1		OC317 OC504 PLUS		KL222 KL63		X		
Classic	1.0L 8v VHCE Flex	10->	LX523		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA11 LAK11		
Cobalt	1.4L 8v Econoflex	11->			OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA472		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º					
GM											
Corsa	1.0L 16v MPFI	01/99- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.0L 8v MPFI	01/96- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.0L 8v MPFI	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.0L 8V MPFI Flex	01/06->	LX999		OC90 OC504 PLUS OC1030 FLEX		KL224/1 KL582 (Plus)		LA117 LAK11 7		
Corsa	1.0L 8v MPFI (Álcool)	01/00- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.0L 8v MPFI (Álcool)	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.0L MPFI 16v	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.0/1.4/1.6L EFI 8v	01/94- >12/96	LX523		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11 LAK11		
Corsa	1.4L 8v MPFI	01/98- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.4L 8v MPFI	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.4L MPFI Econoflex	01/07->	LX999		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA117 LAK11 7		
Corsa	1.6L 16v MPFI	01/95- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.6L 16v MPFI	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.6L 8v MPFI	01/96- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.6L 8v MPFI	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.6L 8v MPFI (Álcool)	01/96- >12/01	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA11 LAK11		
Corsa	1.6L 8v MPFI (Álcool)	01/02->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL224/1		LA117 LAK11 7		
Corsa	1.8L 8V MPFI Flex	01/04->	LX999		OC90 OC504 PLUS OC1030 FLEX		KL224/1 KL582 (Plus)		LA117 LAK11 7		
Corsa Sedan (Classic)	1.0L 8v MPFI Flex	01/03->	LX523		OC90 OC504 PLUS OC1030 FLEX		KL582 (Plus)		LA11 LAK11		
Corsa s/ AC		98->							LA21		
Corvette	5.7	92->			OC81				X		
Cruze	1.8L 16v Flex	11->							LA472		
D10	Perkins 4236Q20B4	85->	LX236		OC324		KX23		X	HX15	
D10	Perkins 6340	65-70					KX23		X		
D10, D20	Maxion S4	94->96	LX236	LXS41/1	OC324		KC18 KC119		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
GM											
D10, Veraneio	Perkins 4326	79->84	LX236	LXS41/1	OC324	KX23			X		
D20, D40 Álcool e Gasolina	GM 4.1 6 Cil. / GM 4.8 6 Cil.	85->	LX236		OC114	KL63			X	HX15	
D20, D40 Diesel	Perkins 4236Q20B4	85->	LX236	LXS41/1	OC324	KX23			X	HX15	
D40	Perkins 4236	85->	LX236	LXS41/1	OC324	KX23	KX23		X		
D60P, D70P, D80 3E, D90 3E	Perkins 6357	01/76->12/84	LX265	LXS37/1	OX200D	KX23			X		
D60, D60P, D70, D70P	Perkins 6340	65->70				KX23			X		
D60, D70	Perkins 6358	81->	LX973		OC308	KX23			X		
D60, D70, D80, D90	Perkins 6358	01/76->12/84	LX265	LXS37/1	OC308	KX23			X		
GMC 3.500 HD	4.2 MWM Sprint 6.07T TD	01/01->	LX1673		OC60	KL75			X		
GrandBlazer	4.1	96-99	LX1316			KL60			X		
Ipanema / Kadett	1.8	88->90	LX958		OC90 OC504 PLUS	KL63 KL222			X		
Ipanema / Kadett	1.8 EFI (Álcool/Gasolina)	89->97	LX958		OC90 OC504 PLUS	KL225 KL225/1			X		
Ipanema / Kadett	2.0	88->90	LX958		OC90 OC504 PLUS	KL63 KL222			X		
Ipanema / Kadett	2.0 EFI (Álcool/Gasolina)	89->97	LX958		OC90 OC504 PLUS	KL225 KL225/1			X		
Ipanema / Kadett	2.0 MPFI	96->	LX448		OC90 OC504 PLUS	KL60 KL2			X		
Kadett	2.0 GSI	92->98			OC90 OC504 PLUS				X		
Lumina	3.1 V6	90-92			OC81				X		
Lumina	3.4 V6	92->			OC81				X		
Lumina APV		92->			OC90 OC504 PLUS				X		
Meriva	1.4L MPFI Econoflex	08->	LX999		OC90 OC504 PLUS OC1031 FLEX	KL582 (Plus)				LA189	
Meriva	1.8 8V/ 1.8 16V	08/02->	LX999		OC90 OC504 PLUS	KL582 (Plus) KL83 ⁽¹⁾				LA189	
Meriva	1.8L 8v/ 1.8L 16v Flex	04->	LX999		OC90 OC504 PLUS OC1030 FLEX	KL582 (Plus)				LA189	
Montana	1.4L MPFI EconoFlex	01/07->03/11	LX999		OC90 OC504 PLUS OC1031 FLEX	KL582 (Plus)				LA117 LAK117	
Montana	1.8L 8v MPFI Flex	01/04->03/11	LX999		OC90 OC504 PLUS OC1030 FLEX	KL582 (Plus)				LA117 LAK117	
Montana - LS / SPORT (Modelo Novo)	1.4L 8v Flex	04/11->	LX523		OC90 OC504 PLUS OC1030 FLEX	KL582 (Plus)				LA11 LAK11	
Monte Carlo	4.3 V6	87->89			OC81				X		
Monza	1.6 / 1.8 / 2.0 Carburado	82->90	LX958		OC90 OC504 PLUS	KL222 KL63			X		
Monza	1.8 EFI / 2.0 EFI-MPFI (Álcool/Gasolina)	90->96	LX958		OC90 OC504 PLUS	KL225 KL225/1			X		
Monza 500 EF	1.8 / 2.0 Injeção eletrônica	90->91			OC90 OC504 PLUS				X		
Monza MPFI, Kadett GSi	2.0 MPFI	92->			OC90 OC504 PLUS	KL2			X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
GM												
Omega	3.8 V6	99->			OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		X			
Omega CD, Suprema CD	3.0	92	LX448		OC300		KL2		X			
Omega GLS, Suprema GLS	2.0 MPFI		LX448		OC90 OC504 PLUS		KL2		X			
Omega, Suprema	2.2	92->	LX448		OC90 OC504 PLUS				X			
Omega, Suprema	4.1		LX448		OC332 OC504 PLUS		KL2		X			
Opala, Comodoro, Diplomata, Caravan	GM 6 Cil.	90->	LX208/1		OC114		KL222 KL63		X	HX15		
Prisma	1.0 8v Flex VHCE	03/09->	LX1315		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA11 LAK11			
Prisma	1.4 Econoflex	10/06->	LX1315		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA11 LAK11			
S10	2.4L 8v MPFI	01/98->	LX2529		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		X			
S10	2.4L 8v MPFI Flex	01/07->	LX2529		OC90 OC504 PLUS OC1030 FLEX		KL224/1		X			
S10	Maxion/Rover 2.5HS	95->	LX275		OC261				X			
S10	MWM 2.8L Turbo (Eletrônico) / Sprint 4.07TCE	08/05->	LX960		OC404		KL747	TB1208	X			
S10 (Cabine simples/dupla/estendida)	2.2L EFI	95->99	LX964		OC90 OC504 PLUS		KL225 KL225/1 KL60		X			
S10 (Cabine simples/dupla/estendida/blazer)	2.2L MPFI	98->	LX960		OC90 OC504 PLUS				X			
S10 (Cabine simples/dupla/estendida/blazer)	4.3L V6	96->	LX964		OC81				X			
S10/ Blazer	2.2L Gas.	97->00					KL582 (Plus) KL83 ⁽¹⁾		X			
S10/ Blazer	EFI	96->	LX964		OC90 OC504 PLUS		KL60		X			
S10/ Blazer STD/ DLX	2.2 EFI	97->	LX964		OC90 OC504 PLUS		KL60		X			
Silverado	4.1L MPFI	96->	LX1316				KL2		X			
Silverado	4.2 MWM Sprint 6.07	01/97->12/99	LX1673		OC60		KC129/1		X			
Silverado	4.2 MWM Sprint 6.07	99->12/01	LX1673		OC60		KC121/1 KC121		X			
Silverado	Maxion S4	97->	LX1316		OC324		KC18		X			
Silverado	MWM Sprint 6T	01->			OC60		KC122		X	HX15		
Silverado/ Grand Blazer DLX4.2	MWM Sprint 6T	97->00	LX1316		OC60		KC18		X	HX15		
Space Van	Diesel	98->					KX24		X			
Space Van	Gasolina	98->	LX290		OC318		KL222 KL63		X			
Tigra	1.4 16V, X14 XE, 1.6 16V, X16 XE	07/94->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11			
Tigra	1.6 16V SFI	98->	LX523		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA11			
Tracker	2.0 TDI	00->	LX862						X			
Tracker		02->							LA654/ S			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
GM												
Trafic Furgão/ Van passageiros	Renault 2.2L	97->	LX290						X			
Vectra	2.0 MPFI	94->96	LX414		OC90 OC504 PLUS		KL60		LA49			
Vectra	2.0/2.0 16V/2.2 CD GL/GLS	97->	LX614		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA49			
Vectra GL /GLS /CD	2.0	96->	LX614		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA75			
Vectra GLS /CD	2.0	93->	LX414		OC90 OC504 PLUS		KL2		LA49			
Vectra GSi	2.0 16V		LX414		OC90 OC504 PLUS		KL60		LA49			
Vectra (Diamond)	2.0 Flexpower	06->	LX735		OC90 OC504 PLUS OC1031 FLEX		KL582 (Plus)		LA75			
Vectra (Diamond)	2.4 FlexPower	06->	LX735		OC728		KL582 (Plus) KL224/1		LA75			
Vectra (Diamond) / GT / RGE	2.0	07->	LX735		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA75			
Vectra (Diamond) / GT / RGE	2.4	07->	LX735				KL582 (Plus) KL83 ⁽¹⁾		LA75			
Vectra (Diamond) / GTX / RG	2.0	07->	LX735		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA75			
Zafira	2.0L MPFI 8v	01/99->	LX735		OC90 OC504 PLUS		KL224/1 KL582 (Plus) KL83 ⁽¹⁾		LA74			
Zafira	2.0L MPFI 8V Flexpower	01/05->	LX735		OC90 OC504 PLUS OC1030 FLEX		KL224/1		LA74			
Zafira	2.0L MPFI/SFI 16V	01/01->	LX735		OC90 OC504 PLUS		KL582 (Plus) KL83 ⁽¹⁾		LA74			
GROVE												
RT605	MB OM352A						OX197D		KX43		X	
GURGEL												
BR800, Cena	Gurgel 2 Cil.	89->	LX900/1		OC47 OC522 PLUS		KL63 KL222 ⁽²⁾		X			
Carajas X15	AP1600, AP2000	86->	LX208/1		OC47 OC522 PLUS		KC18		X			
Caribe	MB OM314	->86	LX200 LX200/1				OX85D KX43 KX35		X			
X12, X15, G15	VW 1500CC	->78	LX200 LX200/1				KL63 KL222 ⁽²⁾		X			
XEF, X12 TR; Carburacao Dupla	VW 1600CC	78->	LX900/1				KL63 KL222 ⁽²⁾		X			
HARLEY DAVIDSON												
FLHR-I / FLSTS HERTG SPRINGER		97->03					OC1021		X			
FLHR ROAD KING / XL SPORTSTER-883/1200		94->03					OC1021		X			
FLHRCI / FLSTC / FXD		03->					OC1021		X			
FLHS / FXLR		87->94					OC1021		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
HARLEY DAVIDSON											
FLHT ELECTRA GLIDE		96->03			OC1021				X		
FLHTC-U / FLSTE FAT BOY / FLSTF FAT BOY / XLH / XLH SPORTSTER		86->03			OC1021				X		
FLHTP / FXSTSB SOFTAIL		95->97			OC1021				X		
FLST		80->00			OC1021				X		
FLSTC HERTG SOFTAIL		80->02			OC1021				X		
FLT / FLTC		80->92			OC1021				X		
FLTC-U		87->96			OC1021				X		
FLTRI / FLHRCI RD KING CLSC / FLTR ROAD GLIDE		98->02			OC1021				X		
FXD DYNA SUPER GLIDE		99->09			OC1021				X		
FXDB		91->06			OC1021				X		
FXDL DYNA LOW RIDER / FXDWG DYNA WIDE GLD / FXDX DYNA GLD SPORT		99->03			OC1021				X		
FXDS-COM / FXDS-COM DYNA / FXST SOFTAIL / FXSTB SOFTA- IL / FXSTB NIGHT TRAIN		99->			OC1021				X		
FXDXT DYNA T-SPORT / FXST SOFTAIL / FXSTD SOFTAIL DEUCE / FXSTS SOFTAIL		00->03			OC1021				X		
FXR		82->94			OC1021				X		
FXRS / FXRS-COM / FXRS-SP / FXRT / FXST SOFTAIL		87->92			OC1021				X		
FXSTB SOFTAIL		90->			OC1021				X		
FXSTC SOFTAIL / FXSTS SOF- TAIL		87->99			OC1021				X		
XL / XLH / XLS / XLX / FLHTC ELECT GLD CLSC 1100 W		84->			OC1021				X		
XLC / XLCH		93->94			OC1021				X		
HOLMAN											
20-13, 13P Compressores	Ford 592E	78->79			OX18D				X		
400CR	Cummins V-504				OX198D OX218D	KC133			X		WFC1- REFRIG.
HONDA											
Accord	1.6	79->84	LX905/1						X		
Accord	1.6 12V / EZ	84->86			OC205				X		
Accord	1.8 F18 Z1	96->			OC205	KL185					
Accord	1.8 / 1.8 12V / 1.8 16V / 1.8 16V VTEC	84->			OC205				X		
Accord	2.0 16V	2006- >2007							LA122/ S		
Accord	2.0 16V	2008->							LA122/ S		
Accord	2.0 16V Inj. / Coupê	96->			OC205	KL185					
Accord	2.0 16V / 16V VTEC/ Carb.16V / Inj.	89->			OC205						
Accord	2.0 TDI	99->				KL41					
Accord	2.2 Inj. 16V	89->94			OC205						
Accord	2.2 Inj. 16V / 16V VTEC	94->			OC205	KL185					
Accord	2.3 Inj. 16V / SR	92->			OC205						
Accord	3.0 V6	98->			OC205						
Accord	3.5 16V	2008->							LA122/ S		
Accord	2.2i ES - CE1 - F22B5	09/93->			OC115						





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
HONDA											
Accord Aerodeck	2.2	91->94			OC205		KL185				
Accord Aerodeck / LX	2.0 Carb.12V / Inj. /Inj.16V	10/85->90			OC205			X			
Accord Coupe	EX	01/91->12/98			OC600						
Accord DX-LX-EX4	2.2L 16V	92->			OC115						
Accord EX / EZ	1.6 12V	84->			OC205			X			
Accord LX / EXR / EX Coupe Sedan		94->97			OC205		KL185				
Accord Sedã	EXR	01/95->12/01			OC600						
Accord Sedã EX	Motor 2.2 16V	01/91->12/04			OC600				LA122/S		
Accord Sedã EX	Motor 2.4	01/91->12/04			OC600				LA122/S		
Accord Sedã EX	Motor 2.7	01/95->12/96			OC600						
Accord Sedã EX	Motor 3.0 24V	01/95->12/96			OC600						
Accord Sedã LX	Motor 2.2 8V	01/92->12/95			OC600						
Accord Sedã LX	Motor 2.4 16V	01/92->12/95			OC600						
Accord Sedã LX, autom.	Motor 2.0 16V	01/06->			OC600				LA122/S		
Accord SW EX		01/91->12/95			OC600						
Accord SW LX		01/90->12/95			OC600						
BIZ ES/KS	125 cc	2006->	LX3106								
Bros 150	150CC mix (álcool e gasolina)	2009->					KL741	X			
BROS 150cc GASOLINA / XRE 300cc GASOLINA		2009->			OX410D		KL740	X			
CBX 250 Twister	250cc	2001->	LX3111		OX410D						
CG 150	150CC mix (álcool e gasolina)	2009->	LX3108				KL741	X			
CG Titan	150 cc	2004->	LX3108								
City	1.5 i-VTEC 16v Flex	2009->							LA607		
Civic	1.2	75->77					KL222 KL63	X			
Civic	1.3 16V (Importado)	92->			OC115						
Civic	1.4	92->93	LX848								
Civic	1.4 16V Inj.	01/96->	LX848		OC205		KL185		LA82		
Civic	1.5	95->	LX848		OC205				LA82		
Civic	1.5 12V	84->87					KL222 KL63	X			
Civic	1.5 GTI Inj.12V	85->87			OC205			X			
Civic	1.6	86->87			OC205			X			
Civic	1.6 16V Inj. / VTEC	96->	LX848		OC205		KL185		LA82		
Civic	1.6 Vti / VTEC 16V	91->95	LX848		OC205				LA82		
Civic	1.6 Vti / VTEC 16V	96->			OC205		KL185		LA82		
Civic	1.8 Vti / VTEC	05/97->	LX848		OC205		KL185		LA82		
Civic		95->							LA82		
Civic Civic Sedan/ Hatchback	1.6	96->00			OC205		KL185		LA82		
Civic Coupe	1.6	99->00	LX1298		OC205		KL185		LA82		
Civic Coupe EX/EXS	1.6 16V	01/91->12/98			OC600				LA82		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º					
HONDA											
Civic Coupe / Sedan EX	1.6 16V	98->00	LX1298		OC205		KL185		LA82		
Civic Coupe/ Civic Sedan/ Hatch-back	1.6	96->00							LA82		
Civic CRX / Targa VTI		01/93->12/95			OC600				LA82		
Civic DL / DX	1.3 16V (Importado)	92->			OC115						
Civic Esi	1.6 VTEC Inj.	91->94	LX848		OC205				LA82		
Civic Esi	1.6 VTEC Inj.	01/95->12/95	LX848		OC205		KL185		LA82		
Civic EX	1.6 16V	98->00					KL185		LA82		
Civic EX	1.6/ 1.6 16V	96->98							LA82		
Civic EX / Aut.	1.6 16V	01/97->12/00			OC600				LA82		
Civic EX / Aut.	1.7 16V	01/01->12/05	LX1689		OC259 OC600				LA122/S		
Civic EX/EXS	1.6 8V	01/92->12/97			OC600				LA82		
Civic Hatch DX		01/92->12/95			OC600				LA82		
Civic Hatch LSi		01/91->12/95			OC600				LA82		
Civic Hatch LX, Autom.		01/92->12/06			OC600				LA82		
Civic Hatch Si		01/93->12/95			OC600				LA82		
Civic Hatch VTI		01/92->12/98			OC600				LA82		
Civic LS	1.5 VTEC Inj.	96->			OC205				LA82		
Civic LS / SRI	1.6 16V Inj. / VTEC	95->	LX848		OC205				LA82		
Civic Lsi	1.5	01/95->12/95	LX848		OC205		KL185		LA82		
Civic Lsi	1.5 / Vei / VTEC Inj.	12/91->12/94	LX848		OC205				LA82		
Civic LX	1.5	01/92->12/97			OC600				LA82		
Civic Nacional	1.6	2001->					KL185		LA82		
Civic Sedã LX / LXL / Aut.	1.7 16V	01/01->12/05	LX1689		OC259 OC600				LA122/S		
Civic Sedã LXB	1.6 16V	01/97->12/00	LX1689		OC115		KL185		LA82		
Civic Sedã LXB	1.7 16V	01/01->12/05	LX1689		OC259 OC600				LA122/S		
Civic Sedã LXL / Aut.	1.7 16V	01/05->12/06	LX1689		OC259 OC600				LA122/S		
Civic Shuttle	1.4 / 1.6	88->91			OC205				X		
Civic VI	1.6i - D16Y7	11/95->04/01	LX1298		OC115				LA82		
Civic VI LX	1.6/ 1.6 16V	01/99->12/00	LX1298				KL185		LA82		
Concerto GL	1.4 / 1.4 16V	89->			OC205				X		
CRV		95->							LA82		
CRV ES / LS 4X4	2.0 Inj.	97->			OC205		KL185		LA82		
CRX Esi	1.6 Inj. 16V	91->	LX848		OC205				X		
Fit	1.4 SOHC iDSI 8V	04/03->	LX1993		OC259						
Fit	1.5L	2006->2008			OC259 OC600				LA668		
Fit EX	1.5	06/- 2005->			OC259 OC600				LA668		
Fit Flex (LX / LXL)	1.4 8v	01/04->	LX1993		OC259 OC600		KL635				
Fit Todos (adaptação)		2003->2007							LA155		
Fit (LX / LXL / Aut.)	1.4 8v	01/04->	LX1993		OC259 OC600						
Foreman / TRX400FW Fourtrax		1995->2003			OX410D						





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
HONDA												
Integra	1.5 Carb./ Inj. 12V	88->89									X	
Legend	3.5 V6 24V Inj.										X	
Legend		92->									X	
Motos (Diversas)	400c.c ->	69->									X	
New Civic Sedã EXS / LX / Aut.	1.8 16V	01/07->	LX1645								LA344	
New Civic Si	2.0 16V		LX1645								LA344	
New Civic (sedã EXS / LXS / autom.)	1.8L 16v Flex	01/07->	LX1645								LA344	
New Fit	1.4 16V i-VTEC Flex	2009->									LA607	
New Fit	1.5 16V i-VTEC Flex	2009->									LA607	
NT650 Hawk GT		1988->1991										
NX350 Sahara		1990->1999										
NX4 Falcon		1999->										
NXR 125 Bros ES/KS	125cc	2003->2005	LX3109									
NXR 150 Bros ES/ESD/KS	125cc	2003->	LX3109									
POP 100 OHC	100cc	2007->	LX3109									
Prelude todos	1.8 / 2.0 / 2.2 / 2.3	92->95									X	
Shuttle	2.1 Mpi 16V	95->									X	
TRX350 Fourtrax FM/TM Quadri-ciclo		2004->										
TRX400EX Fourtrax		1999->										
TRX400EX Sportrax		2000->2003										
TRX450 Fourtrax / Foreman S/ES		1998->2002										
XL250R		1984->1987										
XL350R		1984->1990										
XLX250R		1995->										
XLX350R		1990->1991										
XR250 Tornado		2001->	LX3107									
XR250L		1991->1996										
XR350		1995->										
XR400R		1996->2002										
XR600R		1985->1998										
XR650L		1993->2003										
XR650R		2000->2003										
HOSS VOEGELE												
F2, F3, F3E, F3MG, F4	VW 1300		LX903/1								X	
F5ED, F5MD, F6ED	MB OM314	83->	LX200 LX200/1	LXS40/1							X	
F5ED, F5MD, F6ED	MWM D225/4										X	
F9ED, F9MD	MB OM352	83->	LX243	LXS37/1							X	





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º		1º	2º			
HUBER WABCO										
10DM	MB OM326					KX44	KX44	X		
130M	MB OM325A		LX265		OX197D	KX43 KX35		X		
130M	MB OM352	78->	LX243	LXS37/1	OX197D	KX43 KX35		X	HX51D	
130M, 140M	MB OM352A		LX243	LXS37/1	OX197D	KX43 KX35		X	HX51D	
140M	MB OM352		LX265	LXS37/1	OX197D	KX43	KX43	X		
140M	MB OM352A	78->79	LX243		OX197D	KX43 KX35		X		
140M	MB OM355/6	80->	LX227	LXS42/1	OX75D			X	HX51D	
140M, 20M; Motoniveladoras	MB OM326		LX227			KX44		X	HX51D	
140S, 165S, 165SSA, 225SSA	Scania D11	75	LX271/2	LXS43/1				X	HX51D	
205C	Cummins 6CT8-3				OC319	KC113		X		
205S	Scania D11			LXS43/1		KC113		X		
Guindaste AY-AX Kranekan	MB OM314	83->	LX200 LX200/1	LXS40/1	OX199D	KX43 KX35		X		
HYSTER										
H110, 130, 150F			LX200 LX200/1		OC114			X		
H110, 130, 150F/J	Perkins 4236		LX275					X		
H225	Perkins 4236		LX275	LXS5/1	OC324	KX23		X		
H225E	Perkins 6354					KX23		X		
H40, H50, H60K, H40K	GM 4151				OC301			X		
H50K	Perkins 4203 serie JD8378P				OX18D	KX23		X		
H50K		->77	LX200 LX200/1					X		
H55N			LX200 LX200/1		OC301			X		
H80J	Perkins serie GSY-2084V				OX18D	KX23		X		
K110A	GM Gasolina		LX902/1		OC301			X		
K110A Guindastes	Perkins 3152	->75			OX18D			X		
K220V	Perkins serie A137Y-1553B		LX275		OC324	KX23		X		
HYUNDAI										
Accent Todos	1.3 / 1.5	91->			OC205			X		
Azera	3.3L V6 24v	01/07->10			OX773D			LA343		
Azera	3.3L V6 24v	10->			OX351D					
Coupê	1.6 / 2.0	96->			OC205			X		
Elantra Todos	1.5 / 1.6 / 1.8 / 2.0 Inj.	94->98			OC205					
Galloper II	2.4 Super Diesel	97->	LX1064		OC274			X		
Galloper II	2.4L Diesel	93->				KC46		X		
Galloper II	2.5 Diesel D4Vx	93->			OC274	KC83		X		
Galloper II	2.5 Diesel Van Grace	94->			OC274	KC83		X		
Galloper II	2.5D D4BA	12/94->			OC274	KC83		X		
Galloper II	2.5TD/Tdi	98->			OC274			X		
H 100	Diesel	94->	LX200 LX200/1		OC274	KC46		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
HYUNDAI												
H 100 / D4Vx / Super / Van Grace	2.4 / 2.5	94->					OC274 OC205	KC46	X			
HB20	1.0L 12v Flex	2012->						KL583 (Plus)				
HB20	1.6L 16v Flex	2012->	LX3452					KL583 (Plus)				
HR	2.5L TDI	06->	LX3236						X			
I20	2.0L	2009->	LX2739									
I30	2.0L 16v	2009->								LA648		
Pony X2 S / LS / Gsi	1.3 Carb. 4 Cil. / 1.5 4Cil.	90->94					OC205			X		
S Coupê	1.5 Mvi / MVTi 12V	92->					OC205			X		
Santa Fé	2.7L V6	03/06- >12/09								LA343		
Sonata	2.4L 16v	10->								LA819		
Sonata	3.3L V6	06/05->					OX773D			LA343		
Sonata GLX / CD	2.0 Inj. 16V 4 Cil. / 2.4 / 3.0 V6 MPI /	89->					OC205			X		
Stellar GLS	1.8						OC318			X		
Tropper Wagon		85->					OC318					
Truck		->97	LX1064							X		
Tucson	2.0 CRDI 16V	2005->	LX1785							LA301		
Tucson	2.0 i	2006->	LX1785							LA301		
Tucson	2.0 i	2004- >2006	LX1785							LA301		
Tucson	2.0 i gasolina	2004- >2006								LA608		
Tucson	2.0L 4CC 16V	07->	LX1785				OC230 OC505 PLUS			LA608		
Tucson	2.0L Flex	2012->						KL583 (Plus)				
Tucson	2.7 V6	2004- >2005	LX1785							LA608		
Tucson	2.7 V6	2006->	LX1785							LA301		
Van Grace							OC274	KC46				
Vera Cruz	3.8L V6	08/07- >10					OX773D			LA643		
Vera Cruz	3.8L V6	10->					OX351D					
IDEAL												
130M	MB OM352		LX265	LXS37/1		OX197D		KX43 KX35	X			
CA1170, CA1175	MWM D225/6	86->		LXS41/1		OC26		KX43 KX35	X			
CA1170, CA1175	MWM D229/6			LXS41/1		OC60		KX43 KX35	X			
CA1170, CA1175	Perkins 6358	86->				OC308		KX23	X			
CA875, CA1140	MWM D226/4	80->86		LXS41/1		OC26		KX43 KX35	X			
CA875, CA1140	MWMD222/4	->79				OX47D			X			
INGERSOLL RAND												
DR125	Deutz F4L-912					OC26		KC113	X			
DR125, DR160	Perkins 4203					OX18D		KX23	X			
DR250	Perkins 6357					OX200D		KX23	X			
DR4	Caterpillar 343TA					OX217D		KC114	X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
INGERSOLL RAND											
DR85	Perkins 4203	75->76			OX18D		KX23		X		
DXL175	Hercules D2300						KX23		X		
XL350L	Perkins 6357				OX200D		KX23		X		
XL750	Scania D11				OC18		KC113		X		
IVECO											
170E25	Tector 6cil.	01/09->	LX1070	LXS261	OC502		KC186 KC440		X		AL12- DESUM.
170E25T	Tector 6cil.	01/09->	LX1070	LXS261	OC502		KC186 KC440		X		AL12- DESUM.
240E25	Tector 6cil.	01/09->	LX1070	LXS261	OC502		KC186 KC440		X		AL12- DESUM.
240E25S	Tector 6cil.	01/09->	LX1070	LXS261	OC502		KC186 KC440		X		AL12- DESUM.
260E25	Tector 6cil.	01/09->	LX1070	LXS261	OC502		KC186 KC440		X		AL12- DESUM.
450E33T	CURSOR 8 7.8L	10/09->	LX1070		OC502		KC186		X		
Daily	2.8 Diesel	98->	LX610		OC248				LA123	HX15	
Daily	2.8L 8v SOHC L4 CC35.13 HM2800 RS (Diesel)						KX269		LA123		
Daily	2.8L 8v SOHC L4 CC35.13 HM3300 RS (Diesel)						KX269		LA123		
Daily	2.8L 8v SOHC L4 CC35.13 HM3600 (Diesel)						KX269		LA123		
Daily	2.8L 8v SOHC L4 CC40.13 HM3300 (Diesel)						KX269		LA123		
Daily	2.8L 8v SOHC L4 Furgão 40.13 HVM (Diesel)						KX269		LA123		
Daily	3.0L Turbo Eletrônica	2008->							LA439		
Daily	Truck 81440 - 2.3	97->					KX269		LA123		
Daily 35 S 14	F1C 3.0 16V TB-IC Eletrônico	01/08->	LX2532		OC613		KC182 KC214		LA123	HX15	
Daily 35.10	8140.23	05/02->	LX2532		OC248				LA123	HX15	
Daily 35.10	8140.23	01/96- >04/02	LX610		OC248		KX269		LA123	HX15	
Daily 35.13	8140.43S	01/96- >04/02	LX610		OC248		KC182 KC186		LA123	HX15	
Daily 35.13	8140.43S	05/02->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily 38.13	8140.43S	01/05->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily 40.13	8140.43S	01/05->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily 45 S 14	F1C 3.0 16V TB-IC Eletrônico	01/08->	LX2532		OC613		KC182 KC214		LA123	HX15	
Daily 50 C 16	F1C 3.0 16V TB-IC Eletrônico	01/08->	LX2532		OC613		KC182 KC214		LA123	HX15	
Daily 50.13	8140.43S	01/03->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily 55 S 14	F1C 3.0 16V TB-IC Eletrônico	01/08->	LX2532		OC613		KC182 KC214		LA123		
Daily 60.13 (Scudato)	8140.43S	01/06->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily 70 C 16	F1C 3.0 16V TB-IC Eletrônico	01/08->	LX2532		OC613		KC182 KC214		LA123	HX15	
Daily 70.13	8140.43S	01/05->	LX2532		OC248		KC182 KC186		LA123	HX15	
Daily Truck	8140.23	97->	LX610		OC248				LA123	HX15	
Euro Cargo 120E15	Iveco 8060.25V 5.9L	01/99->	LX227	LXS42/1	OC248		KC18 KC186 KC125/1		X	HX15	AL12- DESUM.
Euro Cargo 150E18	Iveco T. 8060 25V 5.9L	09/91->	LX227	LXS42/1	OC248		KC18 KC125/1 KC186		X	HX15	AL12- DESUM.
Euro Cargo 160E21	Iveco T.C. 8060 45V 5.9L	01/98- >05/06	LX227	LXS42/1	OC248		KC125 KC186		X	HX15	AL12- DESUM.
Euro Cargo 160E21	Iveco T.C. 8060 45V 5.9L	06/06->	LX1070	LXS261	OC248		KC125 KC186		X	HX15	AL12- DESUM.





(1) Tipo Exportação

(2) Opcional





(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
IVECO											
Euro Cargo 170E22	Tector F4AE0681D	01/04->05/06	LX227	LXS42/1	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 170E22	Tector F4AE0681D	06/06->	LX1070	LXS261	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 230E22	Tector F4AE0681D	01/05->05/06	LX227	LXS42/1	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 230E22	Tector F4AE0681D	06/06->	LX1070	LXS261	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 230E24	Tector F4AE0681D	01/05->05/06	LX227	LXS42/1	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 230E24	Tector F4AE0681D	06/06->	LX1070	LXS261	OC502	KC186 KC440			X		HX15-DIR. AL12- DESUM.
Euro Cargo 450E32T	CURSOR 8 7.8L	11/06->				KC125/1			X		
Euro Tech 450E37T	Iveco 8210-42K	99->				KC125/1			X		
Euro Trakker 380E37H	Iveco 8210-42K	01/04->				KC125/1			X		
Euro Trakker 380T38	CURSOR 13 (F3BE0681G)	01/04->				KC125/1			X		
Euro Trakker 450E37HT	Iveco T.C. 8210-42K 13.8L	99->	LX273	LXS44/1	OC267	KC125 KC125/1			X	HX15	
Euro Trakker 720E42HT	CURSOR 13 (F3BE0681G)	05/06->				KC125/1			X		
STRALIS - HD 380	CURSOR 13 (F3BE0681G)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 380	CURSOR 13 (F3BE0681G)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 E38	CURSOR 13 (F3BE0681G)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 E38	CURSOR 13 (F3BE0681G)	08/05->	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 S38T	CURSOR 13 (F3BE0681G)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 S38T	CURSOR 13 (F3BE0681G)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 S42T	CURSOR 13 (F3BE0681V)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 450 S42T	CURSOR 13 (F3BE0681V)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 490 S38T	CURSOR 13	01/08->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 490 S42T	CURSOR 13	01/08->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 570 S38T	CURSOR 13 (F3BE0681G)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 570 S38T	CURSOR 13 (F3BE0681G)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 570 S42T	CURSOR 13 (F3BE0681V)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 570 S42T	CURSOR 13 (F3BE0681V)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 740 S42T	CURSOR 13 (F3BE0681V)	09/06->	LX2082/1			KC125/1			X	HX15-DIR.	AL12- DESUM.
STRALIS - HD 740 S42T	CURSOR 13 (F3BE0681V)	->08/06	LX626			KC125/1			X	HX15-DIR.	AL12- DESUM.
JAC MOTORS											
J3 / J3 Turin	1.4L VVT 16v 108cv	2011->								LA698	
JOHN DEERE											
250D / 300D (Caminhão Basculante)	John Deere 6081H					KL870			X		
444K (Pá Carregadeira)	John Deere 4045H					KL870			X		
524K / 544K / 624K / 644K (Pá Carregadeira)	John Deere 6068H					KL870			X		

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	1°	2°		
JOHN DEERE												
5730; 6810; 6910; 862; 8760; 8850; 8960; 5820; 5830.					OC532				X			
670G / 670GP / 672G (Máquina de Esteira)	John Deere 6068 PowerTech							KL870	X			
724K / 744K (Pá Carregadeira)	John Deere 6090H							KL870	X			
770G / 770GP / 772G / 772GP (Máquina de Esteira)	John Deere 6090H							KL870	X			
824K / 844K (Pá Carregadeira)	John Deere 6135H							KL870	X			
844J (Pá Carregadeira)	John Deere 6125 PowerTech							KL870	X			
870G / 870GP / 872G / 872GP (Máquina de Esteira)	John Deere 6090H							KL870	X			
AL77061, CASE X724693, DONALDSON P164381									X	HC103		
SÉRIE 3000 - 3120 (Tratores)		01/05->	LX2959						X			
SÉRIE 5000 - 5103 (Tratores)		01/03->	LX2959						X			
SÉRIE 5000 - 5105 (Tratores)		01/00->	LX2959						X			
SÉRIE 5000 - 5200 (Tratores)		01/92-> 12/97	LX2959						X			
SÉRIE 5000 - 5203 (Tratores)		01/03->	LX2959						X			
SÉRIE 5000 - 5205 (Tratores)		01/00->	LX2959						X			
SÉRIE 5000 - 5210 (Tratores)		01/98-> 12/00	LX2959						X			
SÉRIE 5000 - 5300 (Tratores)		01/92-> 12/97	LX2959						X			
SÉRIE 5000 - 5403	JD3029T	2002->	LX3190	LXS292					X			
SÉRIE 5000 - 5603	JD4045D - Série 350	2002->	LX3190	LXS292					X			
SÉRIE 5000 - 5605	JD4045D	2002->	LX3190	LXS292					X			
SÉRIE 5000 - 5705	JD4045T - Série 350	2002->	LX3190	LXS292					X			
SÉRIE 6000 - 6405	JD4045T	2002->							X	HC112		
SÉRIE 6000 - 6600	JD6059T	1996->							X	HC112		
SÉRIE 6000 - 6605	JD6068T	1996->							X	HC112		
SÉRIE 7000 - 7500	JD6059T	1996->							X	HC112		
SÉRIE 7000 - 7505	JD6068T	2002->							X	HC112		
SÉRIE 7000 - 7810	JD6068T	2001->							X	HC112		
SÉRIE 7000 - 7815	JD6068H								X	HC112		
Tratores 7715 / 7815 / 8230 / 8430	6068 T								LA676			
KAWASAKI												
Motos (Diversas)	400c.c ->	85->			OC1019				X			
KIA MOTORS												
Besta	2.7L	95->96	LX1068		OC274				X			
Besta Diesel	2.2L	92->	LX1097		OC318 OC239	KC46			X			
Besta GS Diesel	2.7L	97->	LX1094		OC299	KC132 KC46			X			
Bongo K2700 / K3600	2.7L / 3.6L	97->99			OC299				X			
Bongo K2700 / K3600	2.7L / 3.6L	00->05			OC1062				X			
Cadenza	3.5L	10->							LA819			

(1) Tipo Exportação
(2) Opcional
(3) Com Ar
(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
KIA MOTORS											
Carnival	3.8L V6 24v	06->			OX773D				LA298		
Cerato	1.6L 16v Gasolina	2007->							LA298		
Ceres - Pick-Up		92->					KC46		X		
Clarus GLX	2.0i 16V (FE)	96->			OC205				X		
Clarus (GLX / Wagon / Aut.)	2.0 16V	01/97-> >12/00			OC195				X		
K2500	2.5L HDI	08->	LX2689				KC46		X		
K2700	2.7	97->					KC46		X		
K3500 / K3600					OC299				X		
Magentis	2.0L 16v	02/06-> >12/08							LA343		
Mohave	3.8L V6	2009->							LA298		
Opirus	3.8L V6 24v	08->			OX773D				X		
Picanto		2004->							LA649		
Pride	1.3/ 1.3i				OC205				X		
Sephia	1.6i B6	93->			OC205				X		
Sephia SLX		01/93-> >12/95			OC195				X		
Sephia (GTX / LS / Aut.)	1.5 16V	01/93-> >12/01			OC195				X		
Sephia (GTX)	1.6	01/95-> >12/95			OC195				X		
Sorento	2.5L/3.5L V6 24v	01/04-> >12/05							LA343		
Sorento	3.5L	04->			OC235 OC506 PLUS		∞		X		
Sorento	3.8L V6	06->			OX773D		∞		LA301		
Sorento		2010->							LA298		
Soul	1.6L	2009->	LX2739						LA531		
Soul	2.0L	2009->	LX2739						LA531		
Sportage	2.0 16V	2005->	LX1785		OC259 OC600				LA301		
Sportage	2.2L Diesel	95->96	LX1821		OC318		KC46		X		
Sportage	2.7 24v V6	2005->	LX1785		OC259 OC600				LA301		
Sportage - Gasolina	2.0L	01->			OC205		∞				
Sportage - Gasolina	2.0L EFI	95->99	LX677		OC600						
Sportage - Gasolina	DLX 2.0 16V	92->	LX1097				KC132				
Sportage DLX	2.0L Turbo Diesel	99->02	LX1821		OC318				X		
KOMATSU											
D-Série 150/155 A-1 (Série 24805)	S6D155				OC531				X		
D122									X	HC81	
D125/D125 A 18	Cummins				OX198D OX218D				X		
D150/D155A-1 (Após série 20000)	S6 D155 Komatsu Imp.		LX760	LXS299	OX217D OX198D				X		
D150/D155A-1 (Até série 19999)	S6 D155 Komatsu Imp.		LX760	LXS299	OX3D				X		
D150/D155A-1 (Série 24805)	S6 D155 Komatsu Imp.						KC133		X		
D155	S1 (série 20000-25483)/ S6D155 Komatsu Imp.				OX217D OX198D				X		
D155 A-1	Cummins NT855		LX760	LXS299	OX198D OX218D		KC133		X		WFC1-REFRIG. WFC3-PRECAR-GA





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
KOMATSU											
D30E - Tratores de esteira	MB OM352	82->	LX236	LXS41/1	OX197D		KX43 KX35		X		
D355 A-3 (Série 25899)	SA6 D 155 Imp.		LX760	LXS299	OX217D				X		
D355 A-3 (Série 25900)	SA6 D 155 Imp.		LX760	LXS299	OX198D OX218D		KC133		X		
D455 A-1	Cummins VTA 1710 Imp.		LX760	LXS299	OX198D OX218D				X		
D465 A-1	UTA 1710 Cummins Imp.				OX198D OX218D				X		
D50A	MB OM352A	01/77->	LX265	LXS37/1	OX197D		KX43 KX35		X		
D50A, 15C	MB OM352		LX265	LXS37/1	OX197D		KX43 KX35		X		
D50A, D50P (Serie 23892)	4 D130 Komatsu Imp.						KC133		X		
D50A, D50P, D50S	4 D120 Komatsu Imp.						KC133		X		
D50S 16 (Serie 23138)	4 D130 Komatsu Imp.						KC133		X		
D55 S-3	Adaptação motor Cummins				OX198D OX218D		KX92D		X		
D60A-3, D60A-6, D60S	Cummins				OX198D OX218D		KX92D		X		
D60E, D65E-6B	Cummins NT855		LX227	LXS42/1	OX198D OX218D		KC133		X		WFC1- REFRIG. WFC3- PRECAR- GA
D65A, D65E	Cummins Importado				OX198D OX218D		KX92D		X		WFC1- REFRIG. WFC3- PRECAR- GA
D75, S2	Cummins 855C				OX198D OX218D				X		WFC1- REFRIG. WFC3- PRECAR- GA
D75, S3 Turbo	NTO 6 CI Cummins Imp.								X		WFC1- REFRIG. WFC3- PRECAR- GA
D80 P-12 TURBO	NTO 6 CI Cummins Importado								X		WFC1- REFRIG. WFC3- PRECAR- GA
D85A/ D85 E12 (Serie 146412)	NH220 CI Cummins Imp.				OX198D OX218D				X		WFC1- REFRIG. WFC3- PRECAR- GA
D85A/ D85 E12 (Serie 146413)	NH220 CI Cummins Imp.		LX241	LXS43/1	OX198D OX218D				X		WFC1- REFRIG. WFC3- PRECAR- GA
D95 S-2 (Série 153623)	Cummins NT 855		LX760	LXS299	OX198D OX218D		KC133		X		
Escavadeira 150 - SE 5	Cummins 5.9 B				OC320		KC6D		X		
PC200-6 / PC200-6A / PC200-6B / PC200LC-6 / PC200LL-6 / PC200Z-6 / PC200Z-6LE (Escavadeira)	Komatsu S6D102-1						KL870		X		
PC200-6 / PC200-6A / PC200-6B / PC200LC-6 / PC200LL-6 / PC200Z-6 / PC200Z-6LE (Escavadeira)	Komatsu S6D102E						KL870		X		
PC200-6 / PC200LC-6 (Escavadeira)	Komatsu S6D95L						KL870		X		
PC300HD-6 / PC300HD-6LE / PC300HD-6MH / PC300LC-6 / PC300LL-6(Escavadeira)	Komatsu SA6D114-1	04					KL870		X		
PC300HD-6 / PC300LC-6 (Escavadeira)	Komatsu SA6D114	04					KL870		X		





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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
KRANE KAR											
Krane Kar	MB OM314		LX200 LX200/1		OX199D		KX43 KX35		X		
KUBOTA											
R-SÉRIE - R520S (Maquinaria de Obras)		01/04->	LX2959						X		
LADA											
Laika Sedan 2105-3, Station Wagon 2104-3	1.5 / 1.6L	91->			OC23 OC506 PLUS		KL222 KL63		X		
Niva (Todos) 2121	1.6L	91->			OC23 OC506 PLUS		KL222 KL63		X		
Samara 2106, 2108-3, 2109, 2109-3	1.3 / 1.5L	->91			OC23 OC506 PLUS		KL222 KL63		X		
LAND ROVER											
Defender 110	2.3 300TDi	97->			OC261		KX23				
Defender 130	2.5 300TDi	97->			OC261		KC18				
Defender 90	2.3 300TDi	97->			OC261		KX23				
Defender 90 Station Wagon	300TDi	97->			OC261		KX23				
Defender 90/110	2.5	90->			OC261						
Defender 90/110/130	2.5 TDI	90->			OC261		KC18				
Defender 90/110/130	3.5 V8	90->			OC261						
Discovery	2.5 TDI	91->94			OC261		KC18				
Discovery	3.5	89->90			OC261						
Discovery	3.5 V8	90->93			OC261		KL2				
Discovery	3.5 V8	93->			OC261						
Discovery MKI	2.5D	09/89->06/94			OC261		KC18				
Discovery MKII	2.5D	08/96->			OC261		KC18				
Discovery / Range Rover Classic	300 TDI	94->			OC261		KC18				
Freelander	2.0 Xei TD	97->					KL41				
Freelander	2.5 24V	03->			OC318						
Land Rover 109	3.5 V8	79->82			OC67						
Land Rover 109	3.5 V8	82->83			OC261						
Land Rover 110	3.5 V8	83->90			OC261						
Land Rover 400		09/95->							LA82		
Land Rover 90	2.5 Diesel	84->			OC261		KX23				
Land Rover 90 Country SWB	2.5 Diesel	85->			OC261						
Land Rover Serie III	2.3 Diesel	83->85			OX200D		KX23				
New Range Rover		90->			OC261						
Range Rover	2.5	06->			OC261						
Range Rover	300TDi / 2.5 Turbo Diesel	89->95			OC261		KC18				
Range Rover	4.0 / 4.2 / 4.6 V8	94->			OC261						
Range Rover Classic	200 TDI	90->			OC261						





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
LAND ROVER											
Range Rover HSE	4.6 V8	98->			OC261						
Range Rover III		02->							LAK62		
Range Rover Vogue	3.5 Efi	85->			OC261		KL2				
Range Rover Vogue	3.9 V8	94->			OC261						
LIEBHERR											
LI1010	Deutz F3L912				OC26				X		
LI1010	MB OM314				LX200 LX200/1		KX43 KX35		X		
LT1020, 1030, LG1026	MB OM355	80->			LX265	OX75D	KX44		X		
LT1026	MB OM355	->79					KX44		X		
LT1045	MB OM355	80->				OX75D	KX44		X		
LINK BELT											
HC78B	Scania						KX44		X		
LOMBARDINI											
LDW - Série 1204 / 1204 T	(FOCS)					OC100 OC505 PLUS			X		
MADAL											
MD250	GM 151 - Gasolina				LX275				X		
MD500	Perkins 4203						KX23		X		
MD8A	Perkins 6357						KX23		X		
MAFERSA											
M210S	Cummins 6CT 83		LX227	LXS42/1			KC107	KC24	X		WFC2-REFRIG.
MANITOVOC											
2512				LXS43/1			KC113	KC113	X		
3900							KC114		X		
4100W	CAT D343-TA						KC114		X		
MANNESMANN											
H30	Cummins					OC320	KC113		X		
H40	Cummins 6CT 8.3					OC319			X		
H55E/D	Scania DS11A		LX241	LXS43/1	OC18		KC113	KC113	X		
MASSEY FERGUSON											
292 (Máquina Agrícola) 1998-> / 460 (Máquina Agrícola) / 5320 (Máquina Agrícola) 1999-> / 5420 (Máquina Agrícola) 2003->					LX1673				X		
3640 (Colheitadeira)	Cummins 6BT5.9	2002->	LX1801	LXS219	OC320				X		
38 (Colheitadeira)	Cummins 6CTA8.3C	2001->	LX2620						X		





(1) Tipo Exportação

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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
MASSEY FERGU-SON												
5650 (Máquina Agrícola)	Cummins 6BT5.9	2002->	LX1801	LXS219	OC320				X			
8780 (Colheitadeira)	Cummins 6CTA8.3	2000->	LX2620						X			
MF 292	Perkins 4000 Imp.	94->	LX236	LXS41/1	OC324	KC18	KC18		X	HC82		
MF 299	Perkins Imp.	94->	LX265	LXS37/1	OC308	KC18	KC18		X			
MF 610,620,640,660,680									X	HC82		
MF 85	MWM D225/4	75			OX47D				X			
MF 85	MWM D225/4	76->78			OX47D				X			
MF3690			LX3011						X			
MF5300			LX3011						X			
MF5310			LX3011						X			
MF5320			LX3011						X			
SÉRIE 250 (Máquina Agrícola) - 250 X / SE	AD3.152	99->	LX960	LXS295	OC38	KX24			X			
SÉRIE 250 (Máquina Agrícola) - 250 XE	Simpson 2500 (3cil.)	02->	LX960	LXS295	OC38	KX24			X			
SÉRIE 250 (Máquina Agrícola) - 250 XF	A3 - 2.5	02->	LX960	LXS295	OC38	KX24			X			
SÉRIE 250 (Máquina Agrícola) - 255	Simpson 2500 (3cil.)	02->	LX960	LXS295	OC38	KX24			X			
SÉRIE 260 (Máquina Agrícola) - 262	Perkins D3.152T		LX960	LXS295		KX24			X			
SÉRIE 290 - 290 / 291 / 292 / 297 / 298 / 299	PERKINS 4004	2008->	LX3190	LXS292					X			
SÉRIE 400 (Máquina Agrícola) - 415	Perkins D3.152		LX960	LXS295		KX24			X	HC82		
SÉRIE 400 (Máquina Agrícola) - 451	International D3.15		LX960	LXS295		KX24			X	HC82		
MATRA												
Matra	MWM D229/6		LX265	LXS37/1	OC60	KX43 KX35			X			
MAXION												
9110	Perkins 6354-4	01/90->	LX265	LXS37/1	OC308	KX23			X			
9130 Turbo	Perkins ALT. 6354-4	01/90->	LX265	LXS37/1	OC324	KX23			X			
9150, 9170	Perkins 6354-4	90->	LX227	LXS42/1	OC324				X			
KC18	Perkins ALT. 6354-4	01/91->	LX265	LXS37/1	OC324	KX23			X			
MF1630	Perkins 4248	80->			OC324	KX23			X			
MF1830	Perkins 4248	80->			OC324	KX23			X			
MF210, 210X, 220, 310	Perkins 4203	78->			OC324	KX23			X			
MF220, 1630	Perkins 4248	76->81			OC324	KX23			X			
MF233-BXI Injeção direta	Perkins AD 3152		LX200 LX200/1	LXS40/1	OC38	KX23			X			
MF235, 250	Perkins 3152	74->	LX200 LX200/1	LXS40/1	OX18D	KX23			X			
MF235, MF250, 265	Perkins 6152	74->	LX200 LX200/1	LXS40/1	OC38	KX23			X			
MF250	Perkins 4236	94->	LX200 LX200/1	LXS5/1	OC38				X			
MF265	Perkins 4236	01/00->	LX1687/1	LXS259	OC324	KX24	KX23		X			
MF265 (4X4)	Perkins 4203	76->	LX200 LX200/1	LXS40/1	OC38	KX23			X			
MF265, MD265 (4X4)	Perkins 4203	74->	LX200 LX200/1	LXS40/1		KX23			X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
MAXION											
MF270, 275, 285, 290	Perkins 4236	77->	LX275	LXS5/1	OC324		KX23		X		
MF275, 290 Alcool	Perkins AE 4248-AE 4336	84->	LX275	LXS5/1	OC324				X		
MF283		94->	LX275	LXS5/1	OC324		KX23		X		
MF290	Perkins 4000 Imp.	94->	LX275	LXS5/1	OC324				X		
MF292, 292 (4X4)- Turbo	Perkins 4236		LX236	LXS41/1	OC324		KX24		X	HX54	
MF296	Perkins 6354		LX236	LXS41/1	OC308		KX23		X		
MF297	Perkins 6353-4	01/91->	LX265	LXS37/1	OC308		KX23		X		
MF299	Perkins ALT. 6354-4	01/91->	LX265	LXS37/1	OC324		KX23		X		
MF299	Perkins Imp.	94->	LX265	LXS37/1	OC308		KC18	KC18	X		
MF3165	Perkins 4203				OX18D		KX23		X		
MF3305	Perkins 4203						KX23		X		
MF3365	Perkins 4300				OX200D				X		
MF34 (Colheitadeira)	Cummins 6CT8.3		LX2619						X		
MF3540, 3650	Perkins 6358	76->80			OC308		KX24		X		
MF356	Perkins 4203	94->	LX236	LXS41/1	OX18D		KX23		X		
MF35, 50, 50X, 55X	Perkins 3152	->74			OX18D		KX25	KX23	X		
MF3640		88->	LX236	LXS41/1	OC308		KX23		X		
MF3690	Importado		LX3011		OC308		KX23	KC4	X		
MF38 (Colheitadeira)	Cummins 6CT8.3		LX2619						X		
MF400, 400A	Perkins 6354		LX236	LXS41/1	OC308		KX23		X		
MF410, 510, 510S	Perkins 6357	82->	LX973		OX200D		KX23		X		
MF450	Perkins 6354				OC308		KX23		X		
MF4780	Scania D11	84->	LX271/2	LXS43/1	OC18		KC113 KC24 KC6D		X	HX51D	
MF500, 500B	Perkins 6354				OC308		KX23		X		
MF500, 500B	Perkins 6357	78->82	LX236	LXS41/1	OX200D		KX23		X		
MF500, 500B	Perkins 6358	77->	LX236	LXS41/1	OC308		KX23		X		
MF5300			LX3011								
MF5310			LX3011								
MF5320			LX3011								
MF5650	Perkins 6354	93->	LX227	LXS42/1	OC308		KX23		X		
MF5650	Perkins 6354	81->92	LX236	LXS41/1	OC308		KX23		X		
MF5850, 3640 Turbo	Perkins 6354-4	88->	LX236	LXS41/1	OC308		KX23		X		
MF610, MF620	Perkins 4000 Imp.	94->	LX236	LXS41/1	OC67		KC18		X		
MF630	Perkins 1000 Imp.	01/94->	LX265	LXS37/1	OC308		KC18		X		
MF640			LX265	LXS37/1	OC308		KX24		X		
MF65	Perkins 4203				OX18D		KX23		X		
MF65R, 65RA, 65R1, 65X, 210X	Perkins 4236	76->80			OC324		KX23		X		
MF65/MF65X/MF65RI	Perkins 4203/D4203	65->82					KX25		X		
MF750	Perkins 4236				OC324		KX23		X		





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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
MAXION											
MF85	MWM D225/4	->75			OX47D		KX43		X		
MF85	MWM D225/4	76->78			OC26		KX43 KX35		X		
MF85X	Perkins 4248				OC324		KX23		X		
MF86	Perkins 4248		LX275	LXS5/1	OC324				X		
MF86 - MF 275I - MF 86HS		94->	LX275	LXS5/1	OC324		KX24		X		
MF9090 - MF 6855		94->	LX227	LXS42/1	OC308		KX24		X		
MF95X	Perkins 6357	76->			OX200D		KX23		X		
Retro escavadeiras	Perkins	86	LX275	LXS5/1	OC324				X		
MAZDA											
121 Dxi	1.8	96->97	LX1598 LX687						LA77		
121 GLX	1.3 16V	91->95			OC205				LA77		
121 GLX	1.3 8V	96->	LX1598 LX687						LA77		
121 GSi / Zxi	1.25	96->	LX1598 LX687		OC235 OC506 PLUS				LA77		
300 D		85->93					KL33		X		
300 G Wagon	3.0	81->90					KL33		X		
323	1.3	91->94			OC205				X		
323	1.3 B3E	89->94			OC205				X		
323	1.5 inj.16V	94->			OC205				X		
323	1.6 B6E	89->91			OC205				X		
323	1.8	94->			OC205				X		
323	1.9	89->94			OC205				X		
323 IV (BG)	1.6	09/89- >06/91			OC195				X		
626	1.8/2.0 Inj. 16V	97->			OC205				X		
626	2.0	95->			OC205				X		
626 GLi / LXi		97->			OC205				X		
626 GLX	2.0 Inj. 16V	92->97			OC205				X		
626 GLX	2.2 Inj.12V	90->92			OC205				X		
626 GT / GTi	2.0 Inj.	90->92			OC205				X		
626 V (GF/GW)	2.0	02/98- >09/02			OC195				X		
626 V (GF/GW)	2.0	05/97- >09/02			OC195				X		
808	1.6				OC205						
818	1.6				OC205						
Demio	1.5 16V Inj.	98->			OC205						
Miata	1.8	99->			OC205						
MX-3 (EC)	1.6i 16V	05/90- >01/94			OC195				X		
MX-3 (EC)	1.6i 16V	01/94->			OC195				X		
MX-5 (NA)	1.6	05/90- >01/94			OC195				X		
MX-5 (NB)	1.6 16V	05/98- >11/05			OC195				X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º			1º	2º				
MAZDA												
MX3	1.6 B6D	94->									X	
MX3	1.6 B6D / 1.6 inj. 16V	94->									X	
MX3 Sports Coupe	1.6 16V.Inj.	91->94									X	
MX5	1.6i B64F	90->									X	
Pick-Up B2500	Diesel	97->										
Pick-Up B2500	Gasolina	98->	LX1095									
Protege												
Protege												
Xedos 6	1.6i 16V (B69/B6)	92->									X	
MERCEDES BENZ												
100 Van, Pick Up	OM615 espanhol	02/87->05/93	LX496								X	
1014	OM 364	97->98	LX910	LXS37/1	OX150D						X	HX15
1014	OM 364LA - TURBOCOOLER	95->	LX910	LXS37/1	OX150D						X	HX15
1116, 2216, 2217	OM 352 A	01/79->	LX265	LXS37/1	OX197D						X	HX15
1214 C (4X2)	OM 364LA - TURBOCOOLER	97->	LX910	LXS37/1	OX150D						X	HX15
1214 R-L (4X2)	OM 366 A Turbo		LX265	LXS37/1	OX137D						X	
1214, 1414, 1614, 1714; L, LA, LAK, LK	OM 366		LX265	LXS37/1	OX137D						X	HX15
1215 C	OM 904 LA - Eletrônico	01/98->10/04									X	
1218 L	OM 904 LA Eletrônico	01/98->	LX1070	LXS261	OX161/D						X	KX72D1
1218 L (6X2)	OM 366 A		LX265	LXS37/1	OX137D						X	HX15
1218 L/EL - 12t Série	OM 904LA	01/01->	LX1093	LXS263	OX161/D						X	HX15
1316, 1317, 1318, 1516, 1517, 1518, 2214	OM 352 A	01/75->	LX265	LXS37/1	OX197D						X	HX15
1318 - 13t Série	OM 904 LA Eletrônico	01/03->11/04	LX1093	LXS263							X	
1418 L, 1618 L, 1718 L, 2218 L (6X2)	OM 366 A		LX265	LXS37/1	OX137D						X	HX15
1418 L,K,LA,LAK	OM 366 A/LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303						X	HX15
												AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1418 L/LE	OM 904LA	01/02->11/04									X	
1418 R L (4X2)	OM 366 A Turbo		LX265	LXS37/1	OX137D						X	
1420 - 14t Série	OM 366/ LA		LX1056 LX1056/1 LX1716	LXS260							X	
1618 M	OM 904LA	98->	LX1093		OX161/D						X	HX15
												KX72D1 AL12- DESUM.
1620	OM 366 LA	->96	LX265	LXS37/1	OC303						X	0951-127M1 -ELEM. DISCO COADOR
1620 L	OM 906LA	01/98->11/04									X	
1620 L, LK	OM 366 LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303						X	HX15
												AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1621 L, LK	OM 366LA		LX271/2	LXS43/1	OX137D						X	HX15
												0951-127M1 -ELEM. DISCO COADOR
1622 L	OM 904LA	01/01->11/04									X	
1622 L	OM 924 LA	01/01->	LX1070	LXS261	OX161/D						X	HX15
												KX72D1





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
MERCEDES BENZ												
1623 L	OM 906 L/LA -Eletrônico	01/98->	LX1070	LXS261	OX174D		KX67/2D		X		HX15	KX72D1
1625 (L, LS)	OM 449A		LX271/2	LXS43/1	OX71D				X		HX15	
1632	Eletrônico				OX174D				X			
1634LS	OM 447 LA	01/00->	LX1313/1	LXS312	OX69D							AL12- DESUM.
1634LS	OM 457LA	01/06->					KC125/1					
1714 K - 17t Série		01/96->	LX1056 LX1056/1 LX1716	LXS260					X			
1718 A (4X4)	OM 366 A Turbo		LX265	LXS37/1	OX137D		KC122		X		HX15	
1718 K	OM 366 A/LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303				X		HX15	AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1718 M - 17t Série	OM 904 LA Eletrônico	01/98->	LX1093	LXS263	OX161/D		KC126/1 KX67/2D		X		HX15	KX72D1 AL12- DESUM.
1718M	OM 904 LA - Eletrônico	01->	LX1093		OX161/D		KX67/2D KC119		X		HX15	KX72D1
1718M	OM 904 LA Turbocooler	01->	LX1093	LXS263	OX161/D		KX67/2D		X		HX15	KX72D1
1720 K	OM 366 LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303				X		HX15	AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1721 S	OM 366 A/LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303				X		HX15	AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1723	OM 366 LA	96->	LX1056 LX1056/1 LX1716	LXS260	OC303				X		HX15	AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
1723 L/M	OM 906LA	01/98- >11/04					KC126/1		X			
1723L	OM 906 L/LA - Eletrônico	01/98->	LX1070	LXS261	OX174D		KX67/2D		X		HX15	KX72D1
1728	OM 906LA	01/98- >11/04					KC126/1		X			
180D - Van, Pick up	OM616	06/93->	LX567		OX98D		KC22 KL33		X			
180D,120,140,160 - Van, Pick up	OM616 espanhol	02/87- >05/93	LX496		OX98D		KC22 KL33		X			
180D/ Automóveis 200D, 240D, TD, 300, SD, TD, todos série 123							KC22		X			
180D/ Automóveis 200D, 240D, TD, 300, SD, TD, todos série 123							KC22		X			
190E	1.8L (80 KW)	5/88->	LX61						X			
190E	2.0L (83/85 KW)	2/85- >12/86	LX58						X			
190E	2.0L (87/90/93 KW)	->4/88	LX58						X			
190E	2.0L (87/90/93 KW)	5/88->	LX61						X			
190E	2.3L (125,130 KW)	9/85- >8/88	LX623						X			
190E	2.3L (136 KW)	4/84- >1/87	LX623						X			
190E	2.6L (118,122 KW)		LX638						X			
190E , 230CE	2.3L (97/100 KW)	5/88->	LX61						X			
190E , 230CE	2.3L (97/100 KW)	->4/88	LX58						X			
190, 190E, 200T/E, 230E, 260TE/ E/SE, 300CE/E/SE/SL					OC110				X			
190, 190E, 200, 200T, 230E, 230GE, 210, 510					OX34D				X			
1938 LS, 1938 S, 1944, 2638 L / LS / LK	Eletrônico						KX80D		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER	
			1°	2°		1°	2°				
MERCEDES BENZ											
1938LS	OM 457 LA Eletrônico	98->	LX273	LXS44/1	OX69D	KX80D KC125/1	KC125	X		AL12- DESUM.	
1938S	OM 457 Eletrônico	99->	LX1313/1	LXS312	OX168D			X			
1938S cabine normal (bicudo)	OM 457 Eletrônico	99->	LX273	LXS44/1	OX69D	KX80D	KC125	X			
1944 cabine avançada (cara chata)	OM 457LA Turbocooler	01->	LX1313/1	LXS312	OX168D	KX80D KC125/1	KC125	X			
200-W115-M115.926		68->77			OX47D			X			
200/220/240/300D, 300/SD/CD/ TD/GD, 240GD, 207/307/507/209/ D					OX78D			X			
220-W115-M115.920-M115.924		68- >07/73			OX47D			X			
230 4-W115-M115.951		08/73- >12/76			OX47D			X			
2325 LS	OM 447LA TURBOCOOLER		LX273	LXS44/1	OX69D	KX36		X	HX15		
2423 B/K	OM 904LA				OX174D			X			
2423 B/K	OM 906 LA	01/00->	LX1056 LX1056/1 LX1716	LXS260	OX174D	KC126/1 KX67/2D		X	HX15	KX72D1 AL12- DESUM.	
2425	OM 906LA Eletrônico	05->			OX174D	KX67/2D		X		KX72D1	
2428 B/K	OM 906 LA	12/04->				KC126/1		X			
2533	OM 926LA Eletrônico	06->			OX174D	KX67/2D		X		KX72D1	
2635 L/LK	OM 447LA TURBOCOOLER		LX273	LXS44/1		KX36		X	HX15		
2638 LS/L Cabine Normal (bicudo)	OM 457 LA	98->01	LX273	LXS44/1	OX69D	KC125/1 KX80D	KC125	X	HX15	AL12- DESUM.	
2638 L/LS/LK Cabine Normal (bicudo)	OM 457 LA Turbocooler	02->	LX1313/1	LXS312	OX168D	KC125/1 KX80D		X			
280SE, 300SEL, 350SL, 450SE, SEL, SLC			LX211					X			
280SL/SE/SEL/E/CE, 300 SEL, 350SL/SE/SEL/SLC, 380SE/SEL/ SEC/SL/SLC, 420SE/SEL/SEC/ SL, 450SE/SEL/SL/SLC, 500SE/ SEL/SEC/SL, 560SEL/SEC					OX32D			X			
280SL/SLC/SE/SEL/E/ CE/600LIMOUSINE/ 600PULLMANN,NSU/RO80			LX228					X			
280, 280E, 280S			LX217					X			
300SL	3.0L (138 KW)	9/85- >8/89	LX638					X			
350, 380, 420, 450, 500, 560			LX276								
710	OM904 L/LA - Eletrônico	00->	LX236	LXS41/1	OX161/D	KX67/2D		X	HX15	KX72D1	
710 - 7t série						KL445		X			
710,LO814,914,1014,1114,1214	OM 364 A/LA	96->98	LX910	LXS37/1	OX150D	KX49 KC119		X	HX15		
712C L/EL	OM 904 LA - Eletrônico	98->	LX1093	LXS263	OX161/D	KC126/1 KX67/2D		X	HX15	KX72D1	
715C Accelo - 7t Série	OM 612LA Eletrônico	01/02->	LX1093	LXS263	OX179D				LA651		
915C	OM 904LA Eletrônico	04->	LX1093		OX161/D	KX67/2D KC126			LA651	HX15	
915E	OM 904LA	01/98- >11/04				KC126/1		X			
9t - Série 912C	OM 904LA	01/00->	LX1093	LXS263	OX161/D	KC126/1 KX67/2D		X	HX15	KX72D1	
9t - Série 914C	OM 904LA Eletrônico	01/98->	LX1093	LXS263	OX161/D	KC126/1 KX67/2D		X	HX15	KX72D1	
9t - Série 915C Accelo	OM 904LA Eletrônico		LX1093	LXS263					LA651		
Accelo	OM 904		LX1093						LA651		
Atego	OM 904				OX161/D	KX67/2D			LA677	HX15	
Atego	OM 906				OX174D	KX67/2D			LA677	HX15	
Atego 1315	OM 904LA - 150 CV	->10/06	LX776		OX161/D	KX67/2D			LA677	KX72D1	
Atego 1418	OM 904LA - 177 CV	->10/06	LX776		OX161/D	KX67/2D			LA677	HX15	
Atego 1518	OM 904LA - 177 CV	->10/06	LX776		OX161/D	KX67/2D			LA677	HX15	





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
MERCEDES BENZ											
Atego 1718	OM 904LA - 177 CV	->10/06	LX776		OX161/D		KX67/2D		LA677	HX15	KX72D1
Atego 1725	OM 906LA - 245 CV	->10/06	LX776						LA677		
Atego 2425	OM 906 LA - 245 Cv	->10/06	LX776						LA677		
Atego II 1315	OM 904 LA - 150 CV	11/06->	LX2621		OX161/D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 1418	OM 904 LA - 177 CV	11/06->	LX2621		OX161/D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 1518	OM 904 LA - 177 CV	11/06->	LX2621		OX161/D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 1718	OM 904 LA - 177 CV	11/06->	LX2621		OX161/D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 1725	OM 906 LA - 245 CV	11/06->	LX2621		OX174D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 1728	OM 926 LA - 279 CV	07/07->	LX2621		OX174D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 2425	OM 906 LA - 245 Cv	11/06->	LX2621		OX174D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Atego II 2428	OM 926 LA	07/07->	LX2621		OX174D		KX67/2D		LA677	HX15	KX72D1 AL12- DESUM.
Axor	OM 457				OX168D		KX80D	X		HX15	AL12- DESUM.
Axor	OM 906				OX174D		KX67/2D	X		HX15	KX72D1 AL12- DESUM.
Axor 1933 S	OM 926 LA - 326 CV	01/05->	LX776		OX174D		KX67/2D		LA678	HX15	KX72D1 AL12- DESUM.
Axor 2035 S	OM 457 353HP	01/05->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2040 S	OM 457 401HP	01/05->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2044 S	OM 457 428HP	01/06->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2533 (6x2)	OM 926 LA - 326 CV	01/05->	LX776		OX174D		KX67/2D	X		HX15	KX72D1 AL12- DESUM.
Axor 2540 S (6X2)	OM 457 401HP	01/05->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2544 S (6X2)	OM 457 428HP	01/06->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2640 S (6X4)	OM 457 401HP	01/06->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2644 S (6X4)	OM 457 428HP	01/05->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 2826 (6x4)	OM 926 LA - 245 CV	01/06->	LX776		OX174D		KX67/2D	X		HX15	KX72D1 AL12- DESUM.
Axor 2831 (6x4)	OM 926 LA - 306 CV	01/06->	LX776		OX174D		KX67/2D	X		HX15	KX72D1 AL12- DESUM.
Axor 3340 / 3340 S / 3340 K (6X4)	OM 457 401HP	01/05->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 3344 / 3344 S / 3344 K (6X4)	OM 457 428HP	01/06->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.
Axor 4140 K 6X4)	OM 457 401HP	01/06->	LX1313/1	LXS312	OX348D		KX80D KC128 KC123	X		HX15	AL12- DESUM.





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°		1°	2°			
MERCEDES BENZ										
Axor 4144 K 6X4)	OM 457 428HP	01/06->	LX1313/1	LXS312	OX348D	KX80D KC128 KC123		X	HX15	AL12- DESUM.
Caminhão Canavieiro c/ cabines FPN / NPN 693810								LA697		
Caminhões leves e semi- pesados, Ônibus (exportação)	BR900					KX72D1		X		
Chassis LO608D, LO708	OM 314		LX200 LX200/1		OX199D	KX43 KX35		X	HX15	
Chassis LO809	OM 364		LX275	LXS5/1	OX150D	KX49		X	HX15	
Chassis LO812	OM 364A	90->	LX236	LXS41/1	OX150D	KX49		X	HX15	
Chassis LO814	OM 364LA	96->	LX910	LXS37/1	OX150D	KX49	KX49	X		
Chassis LPO1113, OF1113, OF1114, OF1313, OF1314, OH1313, O362, O364	OM 352/A	75->78	LX265	LXS37/1	OX30D	KX43 KX35		X	HX15	
Chassis LPO1113, OF1113, OF1114, OF1313, OF1314, OH1313, O362, O364	OM 352/A	79->	LX265	LXS37/1	OX197D	KX43 KX35		X	HX15	
Chassis OF1115, OF1315, OH1315	OM 366/A		LX265	LXS37/1	OX137D	KX49		X	HX15	
Chassis OF1315	OM 366G (Metano)		LX243	LXS37/1	OX137D			X	HX15	
Chassis OF1318	OM 366/A		LX265	LXS37/1	OX137D	KX49		X	HX15	
Chassis OF1318, OF1620, OH1318, OH1621L	OM 366 A/LA	96->	LX265	LXS37/1	OC303	KC127 KC128 ⁽²⁾		X		0951-127M1 -ELEM. DISCO COADOR
Chassis OF1417	OM 904 LA - Eletrônico	98->	LX1093	LXS263	OX161/D	KX67/2D KC126/1		X	HX15	KX72D1
Chassis OF1418 / OF1418EL	OM 904 LA - Eletrônico	01/03- >11/04				KC126/1		X		
Chassis OF1620	OM 366	01/96->	LX265	LXS37/1	OC303	KC122		X	HX15	AL12- DESUM.
Chassis OF1721	OM 366LA Mecânico	01/98->	LX1070	LXS261	OC303	KC127 KC128 ⁽²⁾		X		AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
Chassis OF1722/ 1722M	OM 924LA Eletrônico	01/98- >11/04		LXS261		KC126/1		X		
Chassis OH1313, OH1316	OM 352A (Motor Traseiro)	01/78->	LX265	LXS37/1	OX197D	KX43		X	HX15	
Chassis OH1318	OM 355/5 (Motor Traseiro)	01/79->	LX265	LXS37/1	OX137D	KX43 KX35		X	HX15	
Chassis OH1318	OM 366	01/97->	LX265	LXS37/1	OX137D	KX49		X	HX15	
Chassis OH1318, 1419, 1420, 1517, 1518, 1520	OM 355/5	79->96	LX265	LXS37/1	OX75D	KX44		X	HX15	
Chassis OH1419, OH1420, OH1517, OH1518, OH1520	OM 355/5 (Motor Traseiro)	01/79->	LX265	LXS37/1	OX75D	KX44		X	HX15	
Chassis OH1518	OM 904 LA - Eletrônico	01/00- >11/04				KC126/1		X		
Chassis OH1628L	OM 449LA	98->	LX273	LXS44/1				X		AL12- DESUM.
Chassis OH1635L	OM 447 LA	96->	LX273	LXS44/1	OX69D			X		
CL63 AMG		09/01- >08/03			OX153/7D			LA47/S		
Classe A	1.6L / 1.9L	99->	LX794		OX135/1D	KL87		LAK81 LA81		
Classe C		04/93->						LA37		
Classe C: C240, C43 AMG		06/97- >03/01			OX153/7D			LA37		
Classe C: C280		06/97- >05/00			OX153/7D			LA37		
Classe C: C32 AMG		02/01- >08/03			OX153/7D			LA37		
Classe C: C320, CL600		03/00- >08/03			OX153/7D			LA37		
Classe C: CL500, CL55 AMG		09/99- >08/03			OX153/7D			LA37		
Classe C: CLK320		06/97- >08/03			OX153/7D			LA37		
Classe C: CLK430		07/98- >06/02			OX153/7D			LA37		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
MERCEDES BENZ											
Classe C: CLK500		06/02->08/03			OX153/7D				LA37		
Classe E		06/95->							LA37		
Classe E: E240, E430, E55 AMG		06/97->08/03			OX153/7D				LA37		
Classe E: E280, E320		12/96->08/03			OX153/7D				LA37		
Classe G: G500		04/98->08/03			OX153/7D						
Classe G: G55		04/99->08/03			OX153/7D						
Classe M: ML320		02/98->08/02			OX153/7D				LAK98		
Classe M: ML350		08/02->08/03			OX153/7D						
Classe M: ML430		02/98->08/03			OX153/7D				LAK98		
Classe M: ML500		09/01->08/03			OX153/7D						
Classe M: ML55 AMG		02/00->08/03			OX153/7D						
Classe SLK: SLK32 AMG, SLK320		03/01->08/03			OX153/7D				LA37		
Classe SL: SL280, SL320		05/98->12/02			OX153/7D						
Classe SL: SL350		03/03->08/03			OX153/7D						
Classe SL: SL500 R129		05/98->10/01			OX153/7D						
Classe SL: SL500 R230		10/01->08/03			OX153/7D						
Classe SL: SL55 AMG		03/00->06/02			OX153/7D						
Classe S: S280, S430, S500		10/98->08/03			OX153/7D				LA47/S		
Classe S: S320		10/98->12/99			OX153/7D				LA47/S		
Classe S: S350		09/02->08/03			OX153/7D				LA47/S		
Classe S: S55 AMG, S600		04/99->08/03			OX153/7D				LA47/S		
Classe S: S63 AMG		09/01->08/03			OX153/7D				LA47/S		
CLK		02/97->							LA37		
CLK55 AMG		09/02->08/03			OX153/7D				LA37		
E200,190/200D			LX95						LA37		
Evobus O 500RS/RSD	OM 457LA	01/05->	LX1313/1	LXS312	OX69D	KX80D		X			AL12-DESUM.
L1111 (LP, LPO)	OM 321, 324, 326	60->70				KX44		X			
L1113, 1114, 1118, 1313, 1314, 1514, 2013, 2213	OM 352	->79	LX265	LXS37/1	OX30D	KX43 KX35		X	HX15		
L1113, 1114, 1118, 1313, 1314, 1514, 2013, 2213, 1513	OM 352	79->96	LX265	LXS37/1	OX197D	KX43		X	HX15		
L1218 / L1418 / L1620 / LK1620		95->	LX1056 LX1056/1					X			
L1316, L1516	OM 352	->79	LX265	LXS37/1	OX30D	KX43 KX35		X			
L1316, L1516	OM 352A	72->74	LX265	LXS37/1	OX197D	KX43 KX35		X			
L1319	OM 366LA	82			OX71D	KX49		X			0951-127M1-ELEM. DISCO COADOR
L1519, 1520, 2219, 2220	OM 355/5	79->96	LX265	LXS37/1	OX75D	KX44		X			
L1519, 1520, 2219, 2220 (Canavieiros)	OM 355/5		LX227	LXS42/1	OX75D	KX44		X			
L1620, 1620LK, 1720K, 1723	OM 366 A/LA Turbo Cooler	96->	LX1056 LX1056/1 LX1716	LXS260	OC303			X	HX15		0951-127M1-ELEM. DISCO COADOR





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
MERCEDES BENZ											
L1721-2418 Turbocooler	OM 366LA	92->	LX265	LXS37/1	OX137D	KX49			X		0951-127M1 -ELEM. DISCO COADOR
L1924	OM 355/5	79->	LX265	LXS37/1	OX75D	KX44			X		
L1924A, L1929, LS1932, LS1932LA, LS1933, LS1934	OM 355/6A, LA	82->96		LXS43/1	OX75D	KX44			X		
L2214	OM 352A	12/78->	LX265	LXS37/1	OX30D	KX43 KX35			X	HX15	
L2215 Canavieiro /Madeireiro	OM 352O Álcool		LX265	LXS37/1	OX197D				X		
L2318 (4X4)	OM 366 A Turbo		LX265	LXS37/1	OX137D	KX43 KX35			X	HX15	
L2318 (6x2)	OM 366A		LX265	LXS37/1	OX137D	KX49			X		0951-127M1 -ELEM. DISCO COADOR
L608, D, E, O, L708E	OM 314	->83	LX200 LX200/1	LXS40/1	OX85D	KX43 KX35			X		
L608, D, E, O, L708E	OM 314	83->	LX200 LX200/1	LXS40/1	OX199D	KX43 KX35			X		
L610	OM 314 Álcool	85->	LX200 LX200/1	LXS40/1	OX199D				X		
L709/37, L709/42,5	OM 364	89->	LX275	LXS5/1	OX150D	KX49			X		
L912 Turbo	OM 364A	90->	LX236	LXS41/1	OX150D	KX49			X		
LB2318 (6X4)	OM 366 A		LX265	LXS37/1	OX137D	KX43 KX35			X	HX15	
LK2318, 2418 (4X4)	OM 366 A Turbo		LX265	LXS37/1	OX137D				X	HX15	
LN 914 /1014-LO814-710-1114	OM 364 LA	95	LX910	LXS37/1	OX150D	KX49			X		
LO 914C EVOBUS - Série 9t	OM 904LA	01/98->	LX1093	LXS263	OX161/D	KX67/2D KC126/1			X		
LO 914C EVOBUS - Série 9t	OM 904LA	01/00->	LX1093	LXS263		KC126/1			X		
LO 914C EVOBUS - Série 9t	OM 904LA - Eletrônico	00->	LX335			KC126/1			X		
LO 915 EVOBUS - Série 9t	OM 904LA		LX1093	LXS263					X		
LO712 - 7t série						KL445			X		
LO812 - 8t série	R300, OM364	09/05->				KL445			X		
LO814, 914, 1014	OM 364	95	LX910	LXS37/1	OX150D	KX49			X	HX15	
LO914	OM 904LA	01/98->	LX335			KC126/1			X		
LS1524, 1525, 2225	OM 355/5A	85->95	LX227	LXS42/1	OX75D	KX44			X		
LS1935, 1938 S, 1944, 2638 L / LS / LK	OM 447 LA Eletrônico		LX273	LXS44/1	OX69D	KX36			X		
LS1941	OM 447/ OM447A	90->	LX273	LXS44/1	OX69D				X		
MB310 SPRINTER	MAXION ROVER M014A	01/97- >12/00	LX513		OC261	KC129/1			LA83	HX15-DIR.	
MB311 SPRINTER	OM611 Turbo elet.	02->	LX513		OX153/7D	KL174			LA83		
MB312 SPRINTER	MAXION ROVER M014LA	01/00- >12/02	LX513		OC261	KC129/1			LA83		HX15
MB312D SPRINTER	MAXION ROVER M014LA	01/00- >12/01	LX513		OC261	KC129/1			LA83		
MB313 SPRINTER	OM611 Turbo Intercol. elet.	02->06	LX513		OX153/7D	KL174			LA83		
MB411 SPRINTER MICRO	OM611 Turbo elet.	00->	LX513		OX153/7D	KL174			LA83		
MB412D SPRINTER	Maxion M014 LA	01/00- >12/02	LX513		OC261	KC129/1			LA83		
Motores	M314 - Industrial /Veicular	82->	LX200 LX200/1	LXS5/1	OX85D	KX43 KX35			X		
Motores	M314 - Industrial /Veicular	83->	LX200 LX200/1	LXS5/1	OX199D	KX43 KX35			X		
Motores	M3140 Álcool	86->	LX200 LX200/1	LXS5/1	OX199D				X		
Motores	OM 321, OM324, OM326	79->			OX197D	KX44			X		
Motores	OM 352 Álcool	86->	LX265	LXS37/1	OX75D				X		





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APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
MERCEDES BENZ											
Motores	OM 352 Industrial /Agrícola	->82	LX243	LXS37/1	OX85D		KX43 KX35		X		
Motores	OM 352 Veicular	->78	LX265	LXS37/1	OX30D		KX43 KX35		X		
Motores	OM 352 /OM352A, Industrial / Agrícola	83->	LX243	LXS37/1	OX199D		KX43 KX35		X		
Motores	OM 352 /OM352A, Veicular	79->	LX265		OX197D		KX43 KX35		X		
Motores	OM 355 Industrial	->89			OX75D				X		
Motores	OM 355/6 e OM355/6A - Industrial /Veicular			LXS43/1	OX75D		KX44		X		
Motores	OM355/5, 5A, 6, 6A (Para amaciamento)				OX75D				X		
OF1417 - Série 14t	OM 904LA Eletrônico	01/98->	LX1093	LXS263	OX161/D		KX67/2D		X	HX15	KX72D1
OF1418 - Série 14t	OM904 LA - Eletrônico		LX1093	LXS263					X		
OF1721	OM 904LA	01/00->11/04					KC126/1		X		
OF1721	OM 906LA				OX174D				X		
OH1417 - Série 14t	OM 904LA Eletrônico	01/98->	LX1056 LX1056/1 LX1716	LXS260					X		
OH1418 - Série 14t	OM 904LA Eletrônico		LX1056 LX1056/1 LX1716	LXS260					X		
OH1421 L - Série 14t	OM 366LA	01/98->	LX1070	LXS261	OC303		KC122		X		
OM355/5			LX265	LXS37/1	OX75D		KX44		X		
Onibus O 500M	OM 906 LA - Eletrônico	01/98->11/04	LX1056 LX1056/1 LX1716	LXS260			KC126/1		X		
Onibus O 500M/R/U	OM 926LA - Eletrônico	01/00->11/04	LX1056 LX1056/1	LXS260			KC126/1		X		
Onibus O326	OM 326						KX44		X		
Onibus O355 Urbano e Rodoviário	OM 355/5	01/81->	LX265	LXS37/1	OX75D		KX44		X		
Onibus O362 Urbano e Rodoviário	OM 352	->12/78	LX265	LXS37/1	OX30D		KX43 KX43		X	HX15-DIR.	
Onibus O362 Urbano e Rodoviário	OM 352	01/79->	LX265	LXS37/1	OX197D		KX43 KX35		X		HX15
Onibus O362, O364-12R	OM 352A	79->	LX265	LXS37/1	OX197D		KX43 KX43		X		
Onibus O364, 11R, 12R	OM 352	79->	LX265	LXS37/1	OX197D		KX43 KX43		X	HX15-DIR.	
Onibus O364, 11R, 12R	OM 352	->12/78	LX265	LXS37/1	OX30D		KX43 KX43		X	HX15-DIR.	
Onibus O364, 11R, 12R, O365, O371UP	OM 355/5	81->	LX265	LXS37/1	OX75D		KX44		X		HX15
Onibus O364, 13R, O370, DS, DSR, O371R	OM 355/6	82->			OX75D		KX44		X		
Onibus O371 UL	OM 366LA	96->	LX265	LXS37/1	OC303		KC127 KC128 ⁽²⁾		X		0951-127M1 -ELEM. DISCO COADOR
Onibus O371 UP	OM 366		LX265	LXS37/1	OX137D		KX49 KX49		X		
Onibus O400 R	OM 449	94->	LX273	LXS44/1	OX71D		KX49 KX49		X		
Onibus O400 RSD /RSE	OM 447 LA	97->	LX273	LXS44/1	OX69D		KC127 KC128 ⁽²⁾		X		
Onibus O400 RSD /RSE	OM 457LA	01/98->					KC125/1		X		
Onibus O400 RS/RSL/RSD	OM 447	94->	LX273	LXS44/1	OX69D		KX49 KX49		X		
Onibus O400 UPA	OM 449 LA	97->	LX273	LXS44/1	OX71D		KC127 KC128 ⁽²⁾		X		
S600, Série SL60/600			LX617								
Série C 43/240/280, CLK320/430, E320/430, S320/S430					OX153/7D				LA37		
Série C, 200/220/250, Série E, 200/250/300, Série S, 350, 190/-200/250D, 300D/SD/SEL, 250/-290/300/350GD, D208/308/508, 210/310D, Korando/ Musso2.3D/2.9, StillR70					OX38D				LA37		
Série C, SérieE /190/-200/220/230/240/250/260/ 280/-300/320,207D									LA37	HX44	





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
MERCEDES BENZ												
Série C, 180/200/220/230/280, CLK200/230, Serie E, 200/-220/230/280/320, SLK200/230, Serie V, 200/230/300E/CE/SL, 320E/CE/TE, Vito 113/114, Sprinter214, Ssangyong Musso/Morando 2.0/3.2, VW LT28,LT35					OX133D				LA37			
Série D, 200/250/300, Série E, 200/230/260/ 300/420/500, 300SE/SEL, 400SE/SEL, 500SE/SEL, 600SE/SEL, Série S 280/-320/420/500/600/300/ 350, Série SL280/320/500									LA37	HX48		
Série E 200/220, Ssangyong Musso 2.0/ Korando 2.0			LX526						LA37			
Série E 200/220/230/240/250/280/290/300/320/ 420/430			LX517						LA37			
Série E 280/320			LX438						LA37			
Série E 300, 260, 300			LX114						LA37			
Série E, 420/500, Série S 400/-420/500/400			LX348						LA37			
Série E, 50/55/420/500, Serie S, 400/420/500, 500SE/SEL/SL					OX92D				LA37			
Série E, 190/260/400/420/230/280/320/300/500, Serie S, 280/320/400/500, serie SL, 280/320/500/600						KL38			LA37			
Série OM 600: MB Sprinter			LX513			KL174			LA83			
Série OM 900					OX161/D	KX67/2D			X			KX72D1
Série S/280/320/300			LX472						LA47/S			
Série S/280/320/430/500, G320			LX804/S						LA47/S			
Série W210 - modelos "E"		06/95->							LA47/S			
Série W210 - modelos "E"		06/95->							LA47/S ⁽³⁾			
Série C 180/-200/220/230/240/250/280, CLK200/230/320, Serie E 200/-220/230/240/250/ 280/-290/300/320/420/430, SLK200									LA37			
Série C 180/-200/-220/-280/-320/-190/230/260/300/350/380/450/						KL19			LA37			
Série C1-80/200/220/250/280/230/250/300/290/320/190/240/380/420 (Transmissão)									LA37	HX46		
Série C, 180/200/220/230/280, CLK, 200/230, Serie E, 200/230/280/300/400/420/500/600, Serie SL, 600/280/320/500/600, SLK 200, serie V, 200/230						KL65			LA37			
Série C, 180/200/220/280/320/190/230/260/300/350/380/450/						KL19			LA37			
SLK 200/230			LX539						LA37			
SPRINTER 311	OM611 4cil.					KC100/2			LA83			
SPRINTER 313 CDI	OM611					KL100/2			LA83			
SPRINTER I 308-316 (903)						KL100/2			LA83			
W140S600, SE/SEL					OX147D				LA47/S			
MICHIGAN												
125	Cummins N855C-250		LX273	LXS44/1					X			
125C	Cummins NT-NTA855					KC113			X			





(1) Tipo Exportação

(2) Opcional





(3) Com Ar




(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
MICHIGAN												
35R	Perkins 4203				OX18D				X			
45C	MB OM352						KX43 KX35		X			
55	MB OM352						KX43 KX35		X			
55AIII	MB OM352				OX197D		KX43		X			
55C	MB OM352				OX197D		KX43		X			
65R	MB OM352						KX43 KX35		X			
75A	MB OM352						KX43 KX35		X			
75A	Perkins				OC308		KX23		X			
75III	MB OM352				OX197D		KX43		X			
75III	Perkins 6357				OX200D		KX23		X			
L30	Cummins	LX227	LXS42/1		OC320		KC113		X			
L90I Serie 75000	Cummins	LX227	LXS42/1		OC320		KC113		X			
MITSUBISHI												
3000 GT	3.0i 24V (Z16A) - 6G72	06/92->	LX989		OC205				X			
Carisma GLX/GLS	1.8 16V Multi Point Inj.	10/97->			OC205							
Carisma GL/GLX	1.6 16V	10/95->			OC205							
Carisma GLX/GLS	1.8 16V Multi Point Inj.	10/95-> 10/97			OC205							
Celeste GT	2000	4/76-> 1/81			OC205		KL60					
Celeste ST/GSR	1600	4/76-> 1/81			OC205		KL60					
Colt	1.2	79-> 12/83			OC205		KL60		X			
Colt	1.6 Inj	6/84-> 5/86			OC205				X			
Colt	1.6 Inj. Turbo	6/86-> 7/88			OC205				X			
Colt GL	1.2	84-> 5/86			OC205		KL60		X			
Colt GL	1.3 8V/12V	85->91					KL60		X			
Colt GLD	1.8 Diesel	05/86-> 07/88			OC274				X			
Colt GLX	1.4	3/79-> 6/84			OC205		KL60		X			
Colt GLX	1.5 8V	6/84-> 4/88			OC205		KL60		X			
Colt GTI	1.8	04/92-> 03/96					KL60		X			
Colt GTI	1.8 16V	1/90-> 12/92			OC205				X			
Colt Mirage	1.4 8V	82->83			OC205				X			
Cordia GLS	1.6	10/82-> 10/85			OC205		KL60		X			
Diamante		92->	LX989		OC205							
Eclipse		->94			OC205				X			
Eclipse		95->			OC205				X			
Expo		92->			OC205							
Galant	1.6	10/80-> 7/88			OC205		KL60		X			
Galant	1.6	74->77			OC205		KL60		X			
Galant	1.8	04/88-> 03/93					KL60		X			

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
mitsubishi											
Galant	1.8 Turbo Diesel	06/86->92								X	
Galant	2.0	7/84->3/88								X	
Galant	2.0 16V	3/93->11/96								X	
Galant	2.0 Diesel	10/92->								X	
Galant	2.0 Turbo Inj.	3/85->3/88								X	
Galant	2.5 V6 24V	4/93->3/97								X	
Galant		92->								X	
Galant	2.0 V6 24V Multi point	03/93->								X	
Galant GL	2.0	74->76								X	
Galant GLS/GLX	2.0 Carb.	3/82->7/84								X	
Galant GTO	2.0	76->80								X	
L200	2.0 Carb.	88->12/94								X	
L200	2.5L Diesel	94->96	LX1067							X	
L200	2.5L Diesel	->93								X	
L200 4X4	2.5 4D56	01/01->2005	LX1687/1							X	
L200 4X4	MWM 4.07 TCE	2005->	LX1067							X	
L200 D	2.5 4D56	11/86->								X	
L200 Outdoor	2.5L Diesel	01/10->	LX3190	LXS292						X	
L200 Sport / HPE	2.5L Turbo Diesel	05->	LX1687/1							X	
L200 TD	2.5	06/96->12/01	LX1687/1							X	
L200 TD 4X4	2.5 4D56	11/92->08/96								X	
L200 Triton	3.2L TDI	07->								X	
L300 D	2.5 4D56	11/86->								X	
L300 D 4X4	2.5 4D56 Turbo	11/88->								X	
L300 DIESEL	2.5L	96->								X	
L300 Van	1.6 4cil.	1/87->12/94								X	
L400 TD	2.5 4D56	01/96->								X	
Lancer	1.2	2/84->5/86								X	
Lancer	1.5	2/84->5/86								X	
Lancer	1.8 Diesel	09/84->08/89								X	
Lancer GLD/GLDE	1.8 Diesel	05/86->08/89								X	
Lancer GLS/GSR	2.0 4Cil. OHC	5/78->12/79								X	
Lancer GLX	1.4	1/80->83								X	
Lancer GLX	1.5 8V	6/86->5/90								X	
Lancer GSR	1.6	12/79->9/82								X	
Lancer Gti	1.8 16V inj.	10/92->9/95								X	
Pajero	2.8L Diesel	94->01								X	
Pajero	Diesel	->93	LX1067							X	
Pajero Full	3.2L Diesel	00->								X	
Pajero TR4	2.0L 16V Flex	06/07->								LA611/ S	

(1) Tipo Exportação
 (2) Opcional
 (3) Com Ar
 (4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
MITSUBISHI												
Pajero TR4/4x4/Aut.	2.0L 16V Gas.	01- /2003->			OC600				LA611/ S			
Pajero (Shogun/ Chall./ Montero)	2.4 - 4G64	04/91->	LX989						X			
Pajero (Shogun/ Chall./ Montero)	3.0 V6 24V - 6G72	06/97->	LX989		OC205				X			
Pajero (Shogun/ Chall./ Montero)	3.0 V6 (V23W/ V43W/ V23C) - 6G72	12/90->	LX989		OC205				X			
Sapporo	2.0 Turbo Inj. 4Cil.	3/82- >10/85			OC205				X			
Shogun	2.3 Diesel Turbo 4Cil.	83- >8/86				KC46			X			
Shogun	2.5 Diesel Turbo 4Cil.	7/86- >5/91			OC205	KC46			X			
Shogun	2.6 Carb.	7/83- >10/88			OC205	KL60			X			
Shogun	3.0 V6 12V Inj.	3/89- >4/91			OC205				X			
Shogun	3.0 V6 24V Inj.	9/94->			OC205				X			
Shogun	3.5 24V Inj.	2/94->			OC205				X			
Shogun GLS/GLX	2.5 24V Turbo Diesel	7/83- >10/88				KC46			X			
Shogun GLS/GLX	2.8L Turbo Diesel	03/94->			OC1062	KC46			X			
Sigma	1.6 Carb.	83->85			OC205				X			
Sigma	3.0 V6 12V Inj. Multi point	2/93- >3/96	LX989		OC205				X			
Sigma	3.0 V6 24V Inj.	91- >3/96	LX989		OC205				X			
Sigma	3.0 V6 F16A - 6G72	12/90- >07/96	LX989						X			
Sigma	3.0 V6 St. W. - 6G72	01/93- >07/96	LX989						X			
Space Gear	2.0 16V - 4G63	05/95->	LX989						X			
Space Gear	2.0 16V - 4G63	08/96->	LX989						X			
Space Gear	2.4i - 4G64	05/95->	LX989						X			
Space Gear	2.4i 4x4 - 4G64	05/95->	LX989						X			
Space Gear	2.5 Turbo Diesel	96->			OC274	KC46			X			
Starion	2.0 Turbo Inj.4Cil.	3/82- >11/89			OC205				X			
MONTANA PARRUDA												
Modelo MA 3025 H	MWM 4.10	04->	LX1093	LXS263	OC60	KC124/1 KX24			X	HC4		HX15
Modelo MA 3027 H	MWM 6.10	04->	LX1093	LXS263	OC35	KC122			X	HC4		HX15
MULLER												
AD TD 229	6 Cil. Alcool/Diesel Ind.				OC60	KX43			X			
AD229/3	4 Cil. Alcool/Diesel Ind.		LX1057		OC26	KX43 KX35			X			
AP12	MB OM321					KX44			X			
AP20 Rolo compac. de pneus	Perkins 4203		LX236	LXS41/1	OX18D	KX23			X			
AP200, RV60, RV80	Deutz A4L-1014				OC26	KC113			X			
AP200, RV60, RV80	Deutz A6L-1014					KX44			X			
AP21, 23, 26, 35	MB OM352	->79	LX243	LXS37/1		KX43 KX35			X			
AP21, 23, 26, 35	MB OM352	82->83	LX243	LXS37/1		KX43 KX35			X	HX51D		
AP21, 26	MB OM321					KX44			X			
AP35	Perkins 6357				OX200D	KX23	KX23		X	HX51D		

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
MULLER											
AP350	Deutz A4L-1014				OC26		KC113		X		
AP350	Deutz A6L-1014						KX44		X		
AP91, 120; RT42, 62, 82; TR12, 92, 102; RV40, 44, 48, 52	Deutz A2L-1014 ou A3L-1014						KX44		X		
Basculantes WB75B, 120B	Cummins VTA 1710-TVA 80					OX198D OX218D	KC133		X		
D222-D, 225/2	MWM 4 Cil. antigo					OX218D	KX44		X		
D225/3 Ind. marit. veic.	MWM 4 Cil.		LX200 LX200/1	LXS40/1	OC26		KX43 KX35		X		
D225/6 Ind. marit. veic.	6 Cil.				OC60		KX43		X		
D226/4 Ind. veic.	4 Cil.		LX1065		OC26		KX43 KX35		X		
RT42, 62, 82	MWM D222						KX44		X		
RT42, 62, 82	MWM D223/4					OX47D	KX44		X		
RT62H, 82H, 92, 102H, RV52, TR14	Perkins 4203		LX236	LXS41/1	OX18D		KX23		X		
RT62, 82, 92, 102	Perkins 4203				OX18D		KX23		X		
RV52	Deutz F4L-912				OC26		KC113	KC113	X		
RV52	Scania DS11			LXS43/1	OC18				X		
RV52P	Deutz A2L-1014, A3L-1014						KX44		X		
TC15B	MB OM352	->79	LX243	LXS37/1			KX43 KX35		X		
TC15B	MB OM352	80->	LX243	LXS37/1	OX197D		KX43 KX35		X		
TC15, 155	MB OM352	->79	LX243	LXS37/1			KX43 KX35		X		
TC15, TC15C	MB OM352	80->	LX243	LXS37/1	OX197D		KX43 KX35		X		
TI18	Cummins 6CT-8.3				OC319		KC113		X		
TI18	MB OM352		LX243	LXS37/1	OX197D		KX43 KX35		X		
TM12, TM14	MWM 6 Cil.				OC60		KX43		X		
TM17	Cummins CGT-8.3 Serie C	92->			OC319		KC113		X		
TM28, TM31	Cummins 855CP	88->			OC18		KC113		X		
TS22 Trator florestal	MB OM352A		LX265	LXS37/1	OX197D		KX43 KX35		X		
VAP55	MB OM314	82->83	LX200 LX200/1	LXS40/1	OX85D		KX43 KX35		X	HX51D	
VAP55	MWM D225/4		LX275		OC26		KX43 KX35		X		
VAP70, 72	MB OM352	80->	LX243	LXS37/1	OX197D		KX43 KX35		X		
VAP70, 72	MB OM352	78->79	LX243	LXS37/1			KX43 KX35		X		
VT8 Rolo compac. vibrat.	Deutz F3L-912				OC26		KC113		X		
WB 120B	Caterpillar 348				OX217D				X		
NEW HOLLAND											
135	Perkins 6357	75->			OC308		KX23	KX23	X		
1530	MB OM314	75->			OX85D		KX43 KX35		X		
1530	MB OM352			LXS41/1	OX197D		KX43		X		
1530-1540	Deutz F6L-912	->74			OC60			KC24	X		
1530, 1550	MB OM352	->78		LXS41/1	OX85D		KX43		X		
1530, 1550, 4040, 5050	MB OM352	79->		LXS41/1	OX199D		KX43		X		
4600, 5600, 6600	Ford Diesel	78-84			OC324		KX23		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º		1º	2º			
NEW HOLLAND										
8055	Ford Cargo	90->	LX227	LXS42/1	OC302	KC113	KC113	X		
8055	MB OM352A	01/88->	LX265	LXS37/1	OX197D	KX43 KX35		X	HX15	
8630 DT/ 8830 DT	IVECO 6CIL	93	LX265	LXS37/1	OC35	KC4		X		
DT8430	IVECO 6CIL	93	LX265	LXS37/1		KX23		X		
Motor Estacionário	HSD 678 HT Turbo		LX265	LXS37/1	OC302	KC113		X		
SÉRIE 7000 - 7630		2007->	LX3190	LXS292						
SÉRIE 8000 - 8030		2007->	LX3190	LXS292						
SÉRIE TL - 85E Exitus / 95E Exitus	MWM INTERNATIONAL BIO	2005->	LX3190	LXS292						
SÉRIE TS - 6000 / 6020 / 6030 / 6040		2007->	LX3190	LXS292						
SÉRIE TS - 90 / 100 / 110 / 120	IVECO NH675TD	2001->2007	LX3190	LXS292						
TC57	Genesis	96->	LX227	LXS42/1		KC113	KC113	X		
Trator T9020	New Holland 9.0L Diesel	07->	LX3259					X		
Trator T9030 / 9040 / 9050	New Holland Diesel	07->	LX3259					X		
Trator T9060	Cummins QSX15	07->	LX3259					X		
Trator TJ275 / 325	New Holland Diesel	01->	LX3259				KL870	X		
Trator TJ280 / 330 / 380 / 430	New Holland Diesel	06->	LX3259					X		
Trator TJ375 / TJ425 / 450	Cummins QSX15	01->	LX3259					X		
Trator TJ480 / 530	Cummins QSX15		LX3259					X		
Trator TJ500	Cummins QSX15	04->	LX3259					X		
TRATOR TM120		2002->	LX2713					X		
TRATOR TM125		2000->2002	LX2713					X		
TRATOR TM130		2002->	LX2713					X		
TRATOR TM135		2000->2002	LX2713					X		
TRATOR TM140		2002->	LX2713					X		
TRATOR TM150		2000->2002	LX2713					X		
TRATOR TM155		2002->	LX2713					X		
TRATOR TV140		1997->2003	LX2713					X		
U80 (Pá Carregadeira)	New Holland 439	06->					KL870	X		
NISSAN										
100NX	2.0 GTI (B13) - SR20DE	03/91->	LX307							
200 SX, ZX	1.8 Turbo (S13) - CA18DT	09/88->11/93	LX307							
200 SX, ZX (S14)	2.0i 16V Turbo SR20DET	04/94->	LX1298							
300	3.0 Inj.6Cil.	84->88	LX307							
300 ZX	3.0 Inj.6Cil.	05/84->03/90	LX307							
Almera	1.6 inj.16V	10/95->			OC534			X		
Almera Gti	2.0 Inj.16V	96->	LX307		OC534			X		
Almera GX	2.0 inj.Diesel	10/95->	LX307					X		
Almera GX/SI	1.4 Inj.	10/95->			OC534			X		
Bluebird	1.8i 16V (RLT72) - CA18D	02/89->12/90	LX307					X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
NISSAN												
Cedric	2.8 Diesel		LX307						X			
D21	2.4	92->	LX307		OC320							
Ebro Trade	2.0 Diesel	85->88	LX200 LX200/1									
Frontier	2.5L 16v Turbo Diesel (163/190cv)	2012->				KL440/4			LA817/ S			
Frontier	2.5L Turbo Diesel	2010->			OC236				LA817/ S			
Frontier	2.8L 12v MWM Turbo Eletrônico	05->	LX1687/1		OC404	KL747			X			
Frontier	3.2 Diesel	98->			OC67				X			
Frontier	3.2 Gasolina	98->	LX307						X			
Frontier	D22 2.8 MWM Sprint 4.07T	6/02->	LX1687/1		OC404	KL316			X			
Frontier	MWM 4.07 TCE	2005->				KL428			X			
Frontier	MWM Sprint 4.07T	01/05->	LX1687/1		OC404	KL100/2			X			
Frontier (Tailandesa)	2.5L Diesel	2008->							LA817/ S			
Grand Livina	1.8L 16V Flex	09->			OC195				LA818			
King	2.2	84->				KL63 KL222 ⁽²⁾						
Laurel	2.4 (JC32) - L24S	01/85- >12/87	LX307						X			
Livina	1.6L 16V Flex	09->	LX773		OC309				LA818			
Livina	1.8L 16V Flex	09->			OC195				LA818			
Maxima	3.0 V6 24V QX (A33) - VQ30DE	05/00->	LX307		OC600							
Maxima	3.0L V6	92->	LX307						X			
Micra	1.0 16V Inj.4Cil.	10/92- >12/95			OC534				X			
Micra	1.0 16V Inj.4Cil.	12/95->			OC534				X			
Micra	1.0 / 1.3	92->			OC534				X			
Micra	1.3 16V Inj.	10/92- >12/95			OC534				X			
Micra	1.3 16V Inj.	12/95->			OC534				X			
Pathfinder	2.5L dci (YD25DDTI)	06->							LA817/ S			
Pathfinder	3.3 V6 (R50) - VG33E	09/97- >03/05	LX307						X			
Pathfinder	4.0L V6 (VQ40DE)	06->							LA817/ S			
Pathfinder/Pick-up	Diesel	92->			OC67				X			
Patrol	4.2 Inj.	92->	LX307						X			
Pick-up	2.8L Diesel		LX1687/1						X			
Pick-up	Turbo Diesel	92->	LX200 LX200/1		OC67				X			
Prairie	2.0 Carb.	04/89- >12/91	LX307						X			
Primera	1.6 16V Inj.	92->				KL2						
Primera	2.0 Inj.	6/93- >1/96	LX307		OC534	KL2			X			
Primera I	2.0 16V (P11) - SR20DE EGI Kat.	09/96->	LX307									
Primera I	2.0 16V (P11) - SR20DE MPI	09/96->	LX307									
Primera I	2.0 16V (P11) - SR20DE SPI	09/96->	LX307									
Primera I	2.0 (P10) - SR20Di, SR20DE	06/90- >01/96	LX307						X			
Primera I	2.0 (P11) - SR20DE	09/96->	LX307									
Primera SRI	1.6 16V Inj.	6/95- >11/96				KL2			X			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
NISSAN												
Primera ZX/GT	2.0 16V inj.	9/90->1/96	LX307		OC534		KL2		X			
QX S/SE/SEL	2.0 V6 24V	03/95->	LX307									
Sentra		92->	LX307									
Sentra S/SL	2.0L 16V Flex	08/09->	LX957/3		OC195		KL583 (Plus)		LA396			
Sentra S/SL	2.0L 16V Gasolina	03/07->12/09	LX957/3		OC195 OC205				LA396			
Serena	1.6 (C23) - GA16DE	02/93->	LX307						X			
Serena	2.3 Diesel	95->	LX307						X			
Serena LX/GX	1.6 4Cil.Inj.	1/93->	LX307				KL2		X			
Serena SGX/SLX	2.0 4Cil.Inj.	1/93->	LX307		OC534		KL2		X			
Sunny	1.4 16V (N14) GA14DE/DS	10/90->05/95	LX1298						X			
Sunny	1.4i 16V (N14) GA14DE	10/92->05/95	LX1298						X			
Sunny	1.6 GTI 16V (N13) - CA16D	06/87->05/89	LX307						X			
Sunny	1.6i 16V St.W. (Y10L) GA16DS	10/92->	LX1298						X			
Sunny	1.6i 16V (N14) GA16DE	10/92->05/95	LX1298						X			
Sunny	1.7 Diesel	03/86->91	LX307						X			
Sunny	1.8 GTI 16V (N13) - CA18D	01/89->06/91	LX307						X			
Sunny	2.0 GTI-R (N14) - SR20DET	10/90->05/95	LX307		OC534				X			
Sunny	2.0D GTI 16V (N14) - SR20DE	10/90->05/95	LX307						X			
Sunny	2.0D St. W. (Y10L) - CD20	06/91->	LX307						X			
Sunny	2.0D (N14) - CD20	10/90->05/95	LX307						X			
Sunny Van	1.3	03/84->91					KL63 KL222 ⁽²⁾		X			
Sunny Van	1.5	03/84->91					KL63 KL222 ⁽²⁾		X			
Terrano II	2.4 Inj.12V	06/93->	LX307						X			
Tiida	1.8L 16V Flex	08/07->			OC195				LA818			
Venette	1.5	85->94					KL63 KL222 ⁽²⁾		X			
Venette Petrol	1.6	96->					KL2		X			
Venette Cargo	2.3 Diesel	95->	LX307						X			
X Terra	3.3 V6	99->	LX307									
X Terra	MWM 4.07 TCE	2005->					KL428					
PEUGEOT												
104		05/73->84					KL63 KL222 ⁽²⁾		X			
106	1.0	10/91->10/95					KL63		X			
106	1.0 Inj.	93->10/95					KL60		X			
106	1.0i CDZ	01/97->			OC100 OC505 PLUS		KL60		X			
106	1.1	9/91->9/92					KL63		X			
106	1.1i - HFX (TU1JP)	07/00->			OX193D				X			
106	1.4 KDY (TU3M)	09/91->04/96			OC100 OC505 PLUS		KL60		X			
106	1.4 KFZ (TU3J2/Z)	09/91->04/96			OC100 OC505 PLUS		KL60		X			
106	1.4 Turbo Diesel	->10/95					KC24 KC6D		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
PEUGEOT												
106	1.4i KFX (TU3JP)	05/96->			OC100 OC505 PLUS				X			
106	1.4i - KFW/ KFX (TU3JP)	07/00->			OX193D				X			
106	1.4i - NFZ (TU5JP)	07/00->			OX193D				X			
106	1.5 Diesel	94->					KC24 KC6D		X			
106	1.6 NFY (TU5J2)	01/94- >04/96			OC100 OC505 PLUS		KL60		X			
106	1.6 NFZ (TU5JP)	06/93- >04/96			OC100 OC505 PLUS		KL60		X			
106	1.6 S16 NFX (TU5J4)	05/96->			OC100 OC505 PLUS				X			
106	1.6i NFY (TU5J2)	05/96->			OC100 OC505 PLUS				X			
106	1.6i NFZ (TU5JP)	05/96->			OC100 OC505 PLUS				X			
106 KID/XN/XT		94->98					KL60		X			
106, 205, 206, 306, 405, 406		99->					KL583 (Plus) KL72 ⁽¹⁾		LA57			
204	1.1	09/75- >81					KL63 KL222 ⁽²⁾					
205	1.6 CJ - BDY (XU5M3Z)	08/92- >12/98			OC100 OC505 PLUS		KL60		X			
205	1.6 CTI	10/88- >10/90			OC100 OC505 PLUS				X			
205	1.6 CTI 180Z (XU5J)	04/86- >10/90			OC100 OC505 PLUS				X			
205	1.6i Cabriolet BDY (XU5M3Z)	92->					KL60		X			
205		99->					KL583 (Plus) KL72 ⁽¹⁾		X			
205 GTI / Cti		94->98			OC100 OC505 PLUS				X			
205 XSI		94->98			OC100 OC505 PLUS		KL2		X			
206	1.0	00->			OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA57			
206	1.0 16V Nacional	01/00->	LX1711						LA57			
206	1.1i - HFX/HFZ (TU1JP)	07/00->			OX193D				LA57			
206	1.4 16V	03->05			OX339/2D Eco		KL583 (Plus)		LA57			
206	1.4 8 / 16 V	06->	LX643 LX645/1 (alto)		OX339/2D Eco		KL583 (Plus)		LA57			
206	1.4 8V	03->05	LX643 LX645/1 (alto)		OX339/2D Eco		KL583 (Plus)		LA57			
206	1.4i - KFX (TU3JP)	07/00->			OX193D				LA57			
206	1.6	99->					KL583 (Plus) KL72 ⁽¹⁾		LA57			
206	1.6 16V NFU (TU5JP4)	10/00->	LX643						LA57			
206	1.6 16V NFU (TU5JP4)	10/00- >05	LX643 LX645/1 (alto)		OX339/2D Eco		KL583 (Plus)		LA57			
206	1.6i 8V - NFZ (TU5JP)	08/98- >12/00	LX643		OC100 OC505 PLUS				LA57			
206	1.6i NFZ (TU5JP)	08/98- >12/00			OC100 OC505 PLUS				LA57			





⁽¹⁾ Tipo Exportação

⁽²⁾ Opcional

⁽³⁾ Com Ar

⁽⁴⁾ Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
PEUGEOT												
206	1.6i NFU (TU5JP4)	09/00->			OX193D				LA57			
206 Escapade	1.6 16V Flex		LX643 LX645/1 (alto)		OX339/2D Eco	KL583 (Plus)			LA57			
206 (Feline / Holiday / Presence / SW Presence)	1.4 8V Flex	01/04->	LX645/1		OX339/2D ECO	KL583 (Plus)			LA57			
206 (Holy./Rall./Selec./Pres./SW/ Escap./Felin./Tech.)	1.6 16v Flex	01/05->	LX645/1		OX339/2D ECO	KL583 (Plus)			LA57			
206 (nacional)	1.0	00->			OC309 OC505 PLUS	KL583 (Plus) KL72 ⁽¹⁾			LA57			
206 (Pass./Rallye/Soleil/Quick./ SW/Felin./Pres./Tech)	1.6 16v	01/01->	LX645/1		OX339/2D ECO	KL583 (Plus)			LA57			
207	1.4L 8V Flex	05/08->			OX339/2D ECO	KL583 (Plus)			LA57			
207 (XS/ XS Aut. / Escapade)	1.6L 8V Flex	05/08->	LX1745		OX339/2D ECO	KL583 (Plus)			LA57			
304 GL/SL	1.3	09/75-> >81				KL63 KL222 ⁽²⁾			X			
305	1.5	02/83-> >07/88				KL63 KL222 ⁽²⁾			X			
305 D/GLD/SRD	1.9	10/2-> >8/89				KX23			X			
305 GL/GLS/GR/Break/GT/GTX	1.6	08/83-> >07/88				KL63 KL222 ⁽²⁾			X			
305 GL/GLS/GR/SR	1.3	02/83-> >07/86				KL63 KL222 ⁽²⁾			X			
305 GL/GLS/GR/SR	1.5	02/83-> >07/88				KL63 KL222 ⁽²⁾			X			
305 SR	1.5	02/83-> >07/88				KL63 KL222 ⁽²⁾			X			
305 SR	1.6	09/85-> >06/87				KL63 KL222 ⁽²⁾			X			
306	16V	94->	LX488			KL60						
306	1.4 KFX (TU3JP)	05/93->			OC100 OC505 PLUS							
306	1.4i KFW/ KFX (TU3JP)	07/00->			OX193D							
306	1.4/1.6 XFX (TU3JP)/ MFZ (TUJP)/ 2.0i 16V - RFY (XU10J4Z)/ RFT (XU10J4)	->6/96	LX488		OX193D	KL60						
306	1.6 NFZ (TU5JP)	05/93-> >12/00			OC100 OC505 PLUS	KL60						
306	1.8 16V - XU7JP4	07/00->	LX744									
306	2.0 RFV (XU10J4R)	03/97->	LX744		OC100 OC505 PLUS							
306	2.0 RFX (XU10J2)	05/93->	LX488		OC100 OC505 PLUS	KL60						
306	2.0 S16 RFT (XU10J4)	06/94->			OC100 OC505 PLUS	KL60						
306	2.0 S16 RFY (XU10J4Z)	05/93->			OC100 OC505 PLUS	KL60						
306	NFT	10/00->			OX193D							
306 XS	1.6	94->	LX488		OX193D	KL60						
306 XT	1.8 /2.0	94->	LX488			KL2						
307	1.4i - KFW (TU3JP)	08/00->			OX193D				LA138			
307	1.6 16V	->07	LX1048		OX193D	KL583 (Plus)			LA138			
307	1.6 16V Flex	05->	LX1048		OX339/2D Eco	KL583 (Plus) KL416			LA138			
307	1.6i - NFU (TU5JP4)	08/00->			OX193D				LA138			
307	2.0 16V	04->	LX1048		OX339/2D Eco	KL583 (Plus)			LA138			
307	2.0 16V EW10A	06/07->			OX339/2D Eco	KL583 (Plus)			LA138			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
PEUGEOT												
307	2.0L 16V	08/07->	LX1765		OX339/2D ECO		KL583 (Plus)		LA138			
307 (Sedan / Presence / Presence Pack)	1.6L 16V Flex (TU5JP4)	01/07->	LX1745		OX339/2D ECO		KL583 (Plus)		LA138			
307 (Todos modelos)	2.0 16V EW10J4	01/03-> >05/07	LX1048		OX339/2D ECO		KL583 (Plus)		LA138			
309	1.1	01/86-> >10/89					KL63 KL222 ⁽²⁾		X			
309	1.1 HDZ (TU1M)	08/90-> >12/93			OC100 OC505 PLUS		KL2		X			
309	1.3	01/86-> >09/91					KL63 KL222 ⁽²⁾		X			
309	1.4	->08/92					KL63 KL222 ⁽²⁾		X			
309	1.4 K1D (TU3A)	07/90-> >12/93			OC100 OC505 PLUS				X			
309	1.4 K1D (TU3A)	03/89-> >07/89			OC100 OC505 PLUS				X			
309	1.4 K2B (TU3S)	03/89-> >07/89			OC100 OC505 PLUS				X			
309	1.4 KDY (TU3M)	07/89-> >12/93			OC100 OC505 PLUS		KL2		X			
309	1.4 KDY (TU3M)	03/89-> >07/89			OC100 OC505 PLUS				X			
309	1.6	01/86-> >07/92					KL63 KL222		X			
309	1.9 GTI D6B (XU9JA)	10/86-> >07/89			OC100 OC505 PLUS				X			
309	1.9 GTI DKZ (XU9JAZ)	07/89-> >12/93			OC100 OC505 PLUS				X			
309	1.9 GTI DKZ (XU9JAZ)	07/88-> >07/89			OC100 OC505 PLUS				X			
309 SI/GL/GLX	1.4 Inj.	10/91-> >06/93					KL63 KL222 ⁽²⁾		X			
404 GLI	1.6 Inj.	92-> >9/95	LX488				KL2		LA9			
405	1.4	91-> >08/93	LX488				KL63 KL222 ⁽²⁾		LA9			
405	1.4	92-> >08/93	LX488				KL60		LA9			
405	1.4 KDX (TU3MC)	08/92-> >12/96			OC100 OC505 PLUS		KL2		LA9			
405	1.4i/1.6i	92->	LX488				KL2		LA9			
405	1.6	09/87-> >09/92	LX488				KL63 KL222 ⁽²⁾		LA9			
405	1.6 B2A/B/C (XU52C)	01/87-> >12/92			OC100 OC505 PLUS				LA9			
405	1.6 BAZ (XU5CP)	07/87-> >06/88			OC100 OC505 PLUS				LA9			
405	1.6 BDY (XU5M2Z)	07/87-> >12/92			OC100 OC505 PLUS		KL2		LA9			
405	1.6 BDZ (XU5M)	10/89-> >12/92			OC100 OC505 PLUS		KL2		LA9			
405	1.6 BFZ, BDY/Z (XU5J/MZ)	08/92-> >12/96			OC100 OC505 PLUS				LA9			
405	1.6 GLi	94->					KL2		LA9			
405	1.8 e 2.0 Sri.Break	94->98	LX488				KL2		LA9			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
PEUGEOT											
405	1.8 Inj.	10/92->01/95	LX488						LA9		
405	1.8 Inj.	02/95->					KL583 (Plus) KL72 ⁽²⁾		LA9		
405	1.8 LFZ (XU7JP)	08/92->12/96			OC100 OC505 PLUS		KL2		LA9		
405	1.9	10/90->09/92			OC100 OC505 PLUS		KL2		LA9		
405	1.9 Carb.	09/87->10/92					KL63 KL222 ⁽²⁾		LA9		
405	1.9 D2C (XU92C)	07/87->12/92			OC100 OC505 PLUS		KL2		LA9		
405	1.9 DDZ (XU9M)	07/88->12/92			OC100 OC505 PLUS		KL2		LA9		
405	1.9 DKZ (XU9JAZ)	07/88->12/92			OC100 OC505 PLUS		KL2		LA9		
405	2.0 16V RFR	01/99->11/00			OC100 OC505 PLUS				LA9		
405	2.0 16V RFT	94->	LX488				KL2		LA9		
405	2.0 16V RFT (XU10J4)	06/94->12/95			OC100 OC505 PLUS		KL2		LA9		
405	2.0 8V RFT (XU10J2)	08/92->12/96	LX488				KL2		LA9		
405	2.0 8V RFX (XU10J2)	08/92->12/96			OC100 OC505 PLUS				LA9		
405	MI 16V.	94->98	LX488				KL2		LA9		
405		99->					KL583 (Plus) KL72 ⁽¹⁾		LA9		
405		92->							LA9		
405 GLI	1.6	94->98	LX488				KL2		LA9		
405 SRi Break	1.8 /2.0	94->					KL2		LA9		
406	1.6	94->98					KL2		LA32		
406	1.6 Inj. 16V	11/95->					KL583 (Plus) KL72 ⁽¹⁾		LA32		
406	1.6 Inj. 16V	02/95->10/95					KL583 (Plus) KL72 ⁽¹⁾		LA32		
406	1.8 Inj. 16V	10/95->					KL583 (Plus) KL72 ⁽¹⁾		LA32		
406	1.8/2.0	94->98					KL60		LA32		
406	1.9 Turbo Diesel	11/95->							LA32		
406	2.0 Inj. 16V	11/95->					KL583 (Plus) KL72 ⁽¹⁾		LA32		
406	2.1 Turbo Diesel	7/96->							LA32		
406	3.0 24V V6	02/97->	LX572				KL60		LA32		
406		95->							LA32		
406		99->					KL583 (Plus) KL72 ⁽¹⁾		LA32		
406 Coupé	2.0 16V RFR	01/99->11/00	LX572		OC100 OC505 PLUS				LA32		
504 Diesel PICK-UP		97->			OC318		KX23		X		
504 Diesel PICK-UP		94->96					KX23		X		
504 L/GL/GR/SR	1.8/2.0	10/83->89					KL63 KL222 ⁽²⁾		X		
504 SLD/ GD/ GRD	2.3 8V Diesel	07/97->	LX200 LX200/1		OC100 OC505 PLUS		KX23		X		
505	2.8 V6 Inj.	9/86->6/89			OC2				X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
PEUGEOT											
505 GTD XD3T	2.5 Turbo Diesel	7/83- >5/90								X	
604 Gtl	2.8 V6	1/84- >2/85								X	
604 GTI/STI/TI	2.8 Inj.	8/77- >5/83								X	
605	2.0	06/89- >12/99								LA26	
605	2.0 16V RFV (XU10J4R)	07/94- >12/99								LA26	
605	2.0 Inj.	8/94->								LA26	
605	2.0 RFZ (XU10J2Z)	06/89- >12/99								LA26	
605	2.0 Turbo RGY (XU10J2TE)	07/92- >12/99								LA26	
605	2.5M Turbo Diesel	8/94->								LA26	
605	3.0 V6	04/97- >12/99								LA26	
605	3.0 V6 24V	8/94->								LA26	
605		95->								LA26	
605 SLD/SRD/SLDT/SRDT/SVDT	2.1 Turbo Diesel	10/90- >7/94								LA26	
605 SRI	2.0	94->								LA26	
605 SR/SV	3.0	8/94->								LA26	
606 SV3	3.0	94->								LA26	
806	2.0 Inj. Turbo	10/95->	LX572							X	
806	RFU (XU10J2)	06/94->								X	
Boxer	2.5 - T9A (DJ5)	08/91- >00	LX478/1								
Boxer	2.5 D/TD	97->	LX611							LA123	
Boxer	2.8 JTD	01/05->								KX208D	LA123
Boxer	3.0 HDi FAP Diesel	04/06->								OC613	
Boxer I	1.9D - D8C (XUDSAU)	03/94- >03/02	LX478/1							OC100 OC505 PLUS	KX23 LA123
Boxer I	2.5 TD - T8A (DJ5T)	07/97- >12/00	LX611							KX23	LA123
Boxer I	2.5 TDI - THX (DJ5TED)	01/97- >12/00	LX611							KC18	LA123
Boxer I	2.8 HDI	09/00- >03/02	LX611							OC248	LA123
Boxer I	2.5 TDI	97->	LX611							OC248 KC18	LA123
Boxer II	2.8 HDI	02/02->	LX611							OC248 KC18	LA123
Hoggar (Escapade)	1.6L 16V Flex	04/10->	LX1745							OX339/2D ECO KL583 (Plus)	LA57
Partner	1.1i HDZ (TU1M)	07/00->								OX193D	LA8
Partner	1.4i KFX (TU3JP)	07/00->								OX193D	LA8
Partner	1.6 16V NFU TU5JP4	10/00- >10/02	LX795							OX339/2D ECO KL583 (Plus)	LA8
Partner	1.6i NFU (TU5JP4)	07/01->								OX193D	LA8
Partner	1.1i HDZ (TU1M)	07/00->								OX193D	LA8
Partner	1.4i KFX (TU3JP)	07/00->								OX193D	LA8
Partner	1.6i NFU (TU5JP4)	07/01->								OX193D	LA8
Partner Furgão	1.6 16V	2005->	LX795							OX339/2D ECO KL583 (Plus)	LA8





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
PEUGEOT												
Partner (Ranch)	1.6 16V	01/03->	LX795		OX339/2D ECO		KL583 (Plus)		LA8			
Partner (Ranch)	1.8 LFZ (XU7JP)	05/97- >12/02	LX488		OC100 OC505 PLUS				LA8⁽³⁾			
Partner (Ranch)	1.8D - A9A (XUD7)	06/96- >12/02			OC100 OC505 PLUS				LA8⁽³⁾			
Presence		01/04->			OX339/2D ECO							
PH VILLARES												
20VG, 20VS	Detroit Diesel 4-53		LX227	LXS42/1					X			
20VG, 20VS	Perkins 6358		LX265	LXS37/1	OC308		KX23		X			
315, 320	Perkins 6340						KX23		X			
325TC	Perkins 6357				OX200D		KX23		X			
40VG	Detroit Diesel 6-53			LXS43/1					X			
425TC	Perkins 6357						KX23		X			
425TC	Scania D11			LXS43/1	OC18		KX44		X			
435TC	Perkins 6357				OX200D		KX23		X			
535TC Guindaste	Scania D11			LXS43/1	OC18		KX44		X			
535TC, 540TC Guindaste	MB OM326						KX44		X			
POCLAIN												
600CK	Deutz AF6L-413				OC60		KC113		X			
CS45, TY45, TY2P	Deutz F4L-912				OC26		KC113		X			
FC30, FY30	Deutz F3L-912				OC26		KC113		X			
GC120, GY120	Deutz F6L-514				OC60		KC113		X			
HC300	Deutz F12L-413				OC60		KC113		X			
LC80	MWM D229-6				OC60		KX43 KX35		X			
LC80, 80CM, LY80	Deutz F6L-912				OC60		KC113		X			
PCS45	MWM D225-4				OC26		KX43 KX35		X			
SC150, 150K	Scania D11			LXS43/1			KC113		X			
TCS45	Deutz F4L-912				OC26				X			
TY30, TC45	Deutz F4L-712						KX44		X			
PUMA												
10T	Perkins		LX275	LXS5/1	OC308		KX23		X			
7900CB	MWM 4.10	96->			OC60		KC18	KC18	X			
9000	MWM TD 229 E24 Turbo Power		LX265	LXS37/1	OC60		KX43 KX35		X			
MP Lafer	VW 1.6	74->					KL222		X			
MP Lafer	VW 1.6	74->					KL222 KL63		X			
Puma 2T 2000	GM 151 - 4 Cilindros Álcool	01/83- >01/85	LX902/1		OC301		KL63 KL222⁽²⁾		X			
Puma 4T - 4000	Detroit 4-53N				OX5D				X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
PUMA												
Puma 4T - 4000 - 4T - 6000 (2T)	GM 151	83->85			OC60	KC18	KC18	X				
Puma 4T - 4000 - 4T - 6000 (2T)	Perkins 4236	81->85	LX275	LXS5/1	OC324	KX23	KX23	X				
Puma 4T - 4000 - 4T - 6T	GM 151 Alcool	83->85	LX275	LXS5/1		KL222		X				
Puma 4T - 4000 - 6000 (2T)	MWM D229/4	81->85	LX275	LXS5/1	OC26	KX43		X				
Puma Carb. dupla 50mm	VW 1600	78->85	LX904/1			KL63		X				
Puma Carb. dupla 65mm	VW 1600	->85				KL63		X				
Puma Carb. simples	VW 1300	77->85	LX903/1			KL222 ⁽²⁾		X				
Puma GTB-S3, GTB-S4	GM 250-S 4100 6 Cil.	90->	LX208/1		OC114	KL63		X				
						KL222 ⁽²⁾						
PUTSMEISTER												
BA1403	MWM D229.4		LX236	LXS41/1	OC26	KX43		X				
BA1405	MWM D229.6				OC60	KX35		X				
BRA1406	MWM D229.6		LX903/1		OC60	KX43		X				
BSA1003	MWM D229.4		LX236		OC26	KX35		X				
M500 DAC	Mercedes Benz OM314		LX200			KX43		X				
			LX200/1			KX35						
RANDON												
RK424	Scania DS11		LX241		OC18			X				
RK425 (Fora de Estrada)	Scania					KX89/2D		X				
RK430 / RK 425B	Scania	01/96->				KX89/2D		X				
RK435	Scania DS14				OC18	KC113		X				
RK628	Scania DS14					KC113		X				
RK628-B (Articulado)	Cummins 8.3 C				OC304	KX89/2D		X				
						KC6D						
RENAULT												
Clio	1.0 16V Flex (D4D)	12/05->06	LX788		OC205	KL583 (Plus)		LA87				
Clio	1.0 16V Flex (D4D)	01/06->	LX1563		OC475	KL583 (Plus)		LA609				
Clio	1.0 16V Gas.	01/00->	LX1711		OC475			LA87				
Clio	1.0 16V Gas. / HI-Flex	07->	LX788		OX209D	KL583 (Plus)		LA609				
Clio	1.0 8V - D7D	01/01->12/03	LX646		OX209D	KL583 (Plus)		LA87				
Clio	1.0 8V - D7D	01/04->	LX646/1		OX209D	KL583 (Plus)		LA87				
Clio	1.0/1.6 - 16V	00->	LX773		OC309	KL583 (Plus)		LA87				
					OC505 PLUS	KL72 ⁽¹⁾						
Clio	1.2 D4F	2005->	LX1563					LA87				
Clio	1.6 16V K4M	09/98->	LX773					LA87				
Clio	1.6 16V (K4M) Flex	01/03->	LX773		OC309	KL583 (Plus)		LA87				
					OC505 PLUS							
Clio	1.6 8V (Imp.)	01/99->	LX330		OC309	KL583 (Plus)		LA87				
					OC505 PLUS							
Clio	1.6 (C3C) Argentino	01/95->12/99			OC309	KL583 (Plus)		LA87				
					OC505 PLUS							
Clio I - Europeu	1.4 (B/C57,B/C57T)	01/91->08/95			OC309	KL2		LA87				
					OC505 PLUS							
Clio I - Europeu	1.4 (B/C57,B/C57T)	09/95->08/98			OC309	KL63		X				
					OC505 PLUS							
Clio II	1.0 8V - D7D	97->	LX646		OC475	KL583 (Plus)		LA87				
			LX646/1									





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
RENAULT												
Clio II	1.6 16V K4M748	09/98->09/05	LX773		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽²⁾		LA87			
Clio RT/RL	1.6i	96->	LX646 LX646/1		OC309 OC505 PLUS		KL63 KL222		X			
Clio (Argentino)	1.4	94->98			OC704				X			
Clio (Argentino)	1.6i	03/94->			OC704		KL2		X			
Clio (BR)	1.0 16V	01/00->	LX788		OC475		KL583 (Plus)		LA87			
Clio (BR)	1.0 16V Flex	01/06->	LX1563		OC475		KL583 (Plus)		LA87			
Clio (BR)	1.0 8V	01/98->	LX646 LX646/1		OC475		KL583 (Plus)		LA87			
Duster	1.6L 16V Hi-Flex	10/11->	LX773		OC309 OC505 PLUS		KL583 (Plus)					
Duster	2.0L 16V Hi-Flex	10/11->	LX773		OC309 OC505 PLUS		KL583 (Plus)					
Espace	2.2 Turbo Diesel	97->			OC309 OC505 PLUS				X			
Espace GTS, TSE, GTX, RM, RT, RXE, TSE	2.0/ 2.2		LX290				KL2		X			
Espace GTS/TSE/GTX/TXE	2.0 Inj.	3/88->6/91	LX290				KL2		X			
Espace GTS/TSE/TXE	2.0	07/85->07/91	LX290				KL63 KL222 ⁽²⁾		X			
Espace RN/RT/RXE	2.0 Inj.	4/91->	LX290				KL2		X			
Espace RN/RT/RXE	2.2 V6 Inj.	9/94->	LX290				KL2		X			
Espace RT/RXE	2.9	6/91->					KL2		X			
Espace TXE	inj.	3/89->1/91	LX290				KL2		X			
Express		96->			OC309 OC505 PLUS		KL2		X			
Fluence	2.0L 16v CVT	10->			OC195		KL583 (Plus)		LA820			
Fuego	1.6 Turbo Inj.	->6/84	LX290				KL2		X			
Fuego	1.6 Turbo Inj.	6/84->	LX290		OC318		KL2		X			
Fuego	2.1 Turbo Diesel						KX23		X			
Fuego GTL	1.7	07/84->07/86			OC318		KL63 KL222 ⁽²⁾		X			
Fuego GTL	1.7	09/80->06/84			OC534		KL63 KL222 ⁽²⁾		X			
Fuego GTL/TL	1.4	03/80->04/84			OC534		KL63 KL222 ⁽²⁾		X			
Fuego GTX/TX	2.0	10/80->04/84	LX290				KL63 KL222 ⁽²⁾		X			
GTA	2.8 Inj. / 2.5 Inj. V6 Turbo	7/86->1/90					KL2		X			
Kangoo	1.0 16V D4D	00->	LX646 LX646/1		OC475		KL583 (Plus) KL72		LA87			
Kangoo	1.6 16V K4M	01->	LX773		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA609			
Kangoo	1.6 8V Gas / Hi-Flex	07->			OC309 OC505 PLUS		KL583 (Plus)		LA609			
Kangoo	1.6 8V K7M	99->00	LX646 LX646/1		OC309 OC505 PLUS		KL583 (Plus) KL72		LA609			
Kangoo Express, Rapid	1.4 - E7J634/635	11/97->00	LX488		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA87			
Kangoo / Kangoo Express, Rapid	1.0L 8V - D7D	97->	LX646 LX646/1		OC475		KL583 (Plus) KL72		LA87			
Laguna	1.8 inj.	04/94->02/96			OC318		KL583 (Plus) KL72 ⁽¹⁾		LA23			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
RENAULT												
Laguna	2.0 16v	96->					KL583 (Plus) KL72 ⁽¹⁾		LA23			
Laguna	2.0 8V	93->96	LX330		OC309 OC505 PLUS				LA23			
Laguna	2.0 / 2.0 RT, RXE	96->			OC309 OC505 PLUS				LA23			
Laguna	2.0i	95->			OC309 OC505 PLUS				LA23			
Laguna	3.0i	12/93->							LA23			
Laguna	3.0 V6 24V	94->							LA23			
Laguna II	1.6 16V/ 1.8 16V	2001->	LX773		OC309 OC505 PLUS							
Laguna II	2.0 16V IDE (IDE-F5R)	99->	LX773						LA23			
Laguna New		96->					KL583 (Plus)		LA23			
Logan	1.0 16V Hi-flex	06/07->	LX1563		OC475		KL583 (Plus)					
Logan	1.6 16V Hi-flex	06/07->	LX773		OC309 OC505 PLUS		KL583 (Plus)					
Logan	1.6 8V Hi-Torque	06/07->	LX2830		OC309 OC505 PLUS		KL583 (Plus)					
Logan / Sandero	1.0L / 1.6L	2010->							LA665			
Master	2.5 16V DCI TURBO DIESEL	2005->					KX218D	X		OX210D		
Master	2.8 Diesel	02->05			OC248		KX206D	X				
Master II	2.8 DTI Turbo Aspirado	01/02- >12/04	LX876		OC248		KC121/1 KC121	X				
Master II 2.5L dCi 16V (Turbo Diesel)		01/05->	LX876					X				
Megane	1.6 16V K4M / 2.0 16V Hi-Flex	06->	LX773		OC309 OC505 PLUS		KL583 (Plus)		LA606			
Megane	1.6i 16V	99->	LX773		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA609			
Megane	1.6/1.6i	96->98	LX290		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA33			
Megane	2.0 8V	96->			OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA33			
Megane	2.0i	96->98	LX330		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA33			
Megane	2.0L 16V Gasolina	01/05->	LX957/3		OC309 OC505 PLUS		KL583 (Plus)		LA606			
Megane		11/95- >98							LA33			
Megane Scenic I	1.6	97->	LX290		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA33			
Megane Scenic I	2.0	97->	LX330		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA33			
Megane Scenic II	1.6 16V	99->	LX773		OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA609			
Megane Scenic II / Scenic RX4	1.6 16V K4M / 2.0 16V F4R-740	09/99->	LX773		OC309 OC505 PLUS		KL583 (Plus)		LA609			
R11	1.7inj.	85->			OC318		KL2	X				
R11	1.4 Turbo	7/84->					KL2	X				
R11 GTL/GTS/TL/TSE Aut.Elet.	1.4	07/84- >06/89			OC318		KL63 KL222 ⁽²⁾	X				
R11 GTL/GTS/TL/TSE Aut.Elet.	1.4	06/83- >06/84			OC534		KL63 KL222 ⁽²⁾	X				





⁽¹⁾ Tipo Exportação

⁽²⁾ Opcional

⁽³⁾ Com Ar

⁽⁴⁾ Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
RENAULT												
R11 GTX/TXE Elet.	1.7	9/83- >6/89					KL2		X			
R11 TC/GTC/Spring		10/85->			OC318		KL63 KL222 ⁽²⁾		X			
R11 TC/GTC/TCE	1.1	07/84- >01/89			OC318		KL63 KL222 ⁽²⁾		X			
R11 TD/GTD/TDE	1.6 Diesel	4/84- >1/89					KX23		X			
R14 L/LT/TS/GTL	1.2/1.4	76->83			OC534		KL63 KL222 ⁽²⁾		X			
R18	1.6 Turbo	80->	LX290				KL2		X			
R18 GTD/TD		7/84->					KX23		X			
R18 GTX	2.0		LX290						X			
R19	1.6	93->	LX290		OC309 OC505 PLUS		KL2		X			
R19	1.7	9/91- >4/92	LX330						X			
R19	1.8 16V	92->	LX330				KL2		X			
R19	1.8/1.8RT	97->			OC309 OC505 PLUS		KL2		X			
R19-RN	1.6i	92->	LX290				KL63 KL222 ⁽²⁾		X			
R19-RT	1.8i	92->					KL2		X			
R19 1.6 RN		94->98			OC704		KL583 (Plus)		X			
R19 Cabriolet	1.8 16V	9/91- >1/95	LX330				KL2		X			
R19 DX	1.9 Turbo Diesel	10/91- >05/92	LX330		OC309 OC505 PLUS		KX23		X			
R19 GTD/TD/TDE	1.8 Diesel	2/89- >10/95	LX330				KX23		X			
R19 GTR/TR/TRE	1.4	02/89- >10/90			OC318		KL63 KL222 ⁽²⁾		X			
R19 GTS/TSE	1.7	6/89->			OC318		KL2		X			
R19 GTS/TS/TSE	1.4	02/89- >06/92	LX290		OC318		KL63 KL222 ⁽²⁾		X			
R19 GTS/TS/TSE	1.7 Inj.	89->					KL2		X			
R19 GTX/TXE	1.7 Carb.	89- >01/91	LX330				KL63 KL222 ⁽²⁾		X			
R19 GTX/TXE	1.7 Inj.	2/92- >5/92			OC318		KL2		X			
R19 RL/RN/RT	1.2	05/92->			OC318		KL63 KL222 ⁽²⁾		X			
R19 RL/RN/RT	1.7	5/92->			OC318		KL2		X			
R19 RN/RT	1.4	02/91- >06/96	LX290		OC318		KL63 KL222 ⁽²⁾		X			
R19 RN/RT	1.4 Inj.	5/92->			OC318		KL2		X			
R19 RN/RT/S	1.8	5/92- >10/95			OC318		KL2		X			
R19 RSI/SPI	1.8	11/94->	LX330				KL2		X			
R20	Turbo Diesel	9/82- >84					KX23		X			
R21	2.0 12V Inj.	9/89- >3/92	LX290				KL2		X			
R21	2.0 Turbo inj.	5/88- >10/92					KL2		X			
R21-RX, TXE	2.0		LX290				KL2		X			
R21	Injeção	92->	LX290				KL2		X			
R21 4WD	2.0 Turbo Inj.	7/90- >10/92					KL2		X			
R21 Carb.		92->	LX290				KL63 KL222 ⁽²⁾		X			
R21 Nevada	1.7		LX330						X			
R21 RS/GTS/TS/TSE	1.7	06/86- >12/88					KL63 KL222 ⁽²⁾		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
RENAULT											
R21 RS/GTS/TS/TSE	1.7	01/88- >07/93	LX330				KL63 KL222 ⁽²⁾		X		
R21 RX/TXE	2.0	10/86- >10/95	LX290				KL2		X		
R21 SD/GSD/TD/GTD	1.9	9/89- >10/95	LX330						X		
R21 SD/GSD/TD/GTD	2.1 Diesel	6/86- >8/89	LX330						X		
R21 TL/GTL	1.4	86->					KL63 KL222 ⁽²⁾		X		
R21 TL/GTL	1.7inj.	9/93->					KL2		X		
R21 TS/GTL	1.7	6/92- >10/95					KL2		X		
R21 TS/GTL/TSE Autom.	1.7	06/86- >10/90	LX330				KL63 KL222 ⁽²⁾		X		
R25	2.5 Turbo	86- >5/90					KL2		X		
R25	2.7 V6 Inj.	->8/84					KL2		X		
R25	2.9 V6 Inj.	86- >3/92					KL2		X		
R25-TI, TS, GTS	2.0		LX290				KL2		X		
R25 DX	2.1 Turbo Diesel	84->					KX23		X		
R25 D/TD/GTD	2.1	84->					KX23		X		
R25 TI/TXI autom.		10/88->	LX290				KL2		X		
R25 TS/GTS Autom.	2.0	07/84- >01/90	LX290				KL63 KL222 ⁽²⁾		X		
R30	Turbo Diesel	7/81->					KX23		X		
R4 L/TL Safari Rodeo		9/65- >3/82				OC534	KL63		X		
R9 GTE		89->					KL2		X		
R9 GTX/TXE Eletrônico		03/84- >01/89					KL63 KL222 ⁽²⁾		X		
R9 TD/GTD/TDE Diesel		12/82->					KX23		X		
Safrane	2.5 Turbo Diesel	9/95- >10/96				OC248					
Safrane RN/RT	2.1 Turbo Diesel	93->				OC309 OC505 PLUS					
Safrane RN/RT/RX	2.0 Inj.	3/94- >10/96					KL2				
Safrane RN/RT/RXE 4X4	3.0 V6 Inj.	11/92- >10/96					KL2				
Safrane RN/RT/RX/Si	2.2 Inj.	3/94- >10/96					KL2				
Sandero	1.0 16V Hi-flex	11/07->	LX1563			OC475	KL583 (Plus)				
Sandero	1.6 16V Hi-flex	07->09	LX773			OC309 OC505 PLUS	KL583 (Plus)				
Sandero	1.6 8V Hi flex Hi-Torque	07->	LX2830			OC309 OC505 PLUS	KL583 (Plus)				
Scenic	1.6 16V (K4M)	01/99->	LX773			OC309 OC505 PLUS	KL583 (Plus)			LA40 - >97 LA60 98-02	
Scenic	2.0	->97								LA40 - >97 LA60 98-02	
Scenic	2.0	99->				OC309 OC505 PLUS	KL583 (Plus) KL72 ⁽¹⁾			LA40 - >97 LA60 98-02	
Scenic	2.0	96->00	LX330			OC309 OC505 PLUS	KL583 (Plus) KL72 ⁽¹⁾			LA40 - >97 LA60 98-02	
Scenic	2.0	2001->				OC309 OC505 PLUS	KL583 (Plus) KL72 ⁽¹⁾			LA40 - >97 LA60 98-02	

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
RENAULT											
Scenic	2.0 16V Hi-flex	06->	LX773		OC309 OC505 PLUS		KL583 (Plus)				
Scenic	2.0 16V (FR4)	01->06	LX773		OC309 OC505 PLUS		KL583 (Plus)				
Scenic	2.0 8V Gas.	06->			OC309 OC505 PLUS		KL583 (Plus)				
Scenic II	2.0 16V	02->			OC309 OC505 PLUS		KL583 (Plus) KL72 ⁽¹⁾		LA40 - >97 LA60 98-02		
Scenic / Grand Scenic	2.0L 16V Gasolina	01/08->	LX957/3		OC309 OC505 PLUS		KL583 (Plus)				
Trafic	2.0 Gasolina	92->	LX290				KL63 KL222 ⁽²⁾		X		
Trafic Chassi Curto/ Longo	2.2	97->	LX290				KL222 KL63		X		
Trafic (Furgão)	2.0	01/00- >12/02	LX147		OC704		KL2		X		
Twingo	1.0 16V	01/00->			OC475		KL63 KL222 ⁽²⁾				
Twingo	1.0 16V - D4D	01/99->			OX209D		KL63 KL222 ⁽²⁾				
Twingo	1.2 8V (C3G)	->97			OC309 OC505 PLUS						
Twingo	1.2 8V (D7F)	98->					KL583 (Plus) KL72 ⁽¹⁾				
Twingo	1.2i	96->			OC309 OC505 PLUS		KL63 KL222 ⁽²⁾				
Twingo	1.3	03/93->			OC704		KL583 (Plus)				
Twingo	D7F	98->					KL583 (Plus) KL72 ⁽¹⁾				
Twingo Mpi Base	1.2L 8v	01/93- >12/03	LX646 LX646/1		OC195						
SA											
11	Perkins 4203				OX18D		KX23 KX23		X		
SANTA MATILDE											
MM400, 500CR	Perkins 4248		LX275	LXS5/1	OC324		KX23		X		
Padron 16180	GM 292 Gás Metano	01/84->	LX265	LXS37/1	OC114				X		
SM 4.1	GM 250 6 Cil.	77->	LX902/1		OC114		KL63 KL222 ⁽²⁾		X		
SM1200, SM5105	MB OM352	81->	LX265	LXS37/1			KX43 KX35		X		
SM1200, SM5105	MWM D225/6, D229/6	78->	LX275	LXS5/1	OC60				X		
SM3000C, 300, 400, 500 (CR)	Perkins 3152, 4203	79->	LX275	LXS5/1	OC38		KX23 KX23		X		
SM3000C, 300, 400, 500 (CR)	Perkins 4236, 4248	79->	LX200 LX200/1	LXS40/1	OC324		KX23 KX23		X		
SM300C, CR	Perkins 4236	79->	LX200 LX200/1	LXS40/1	OC324		KX23		X		
SM400, 500CR	Perkins 4203	79->	LX275	LXS5/1	OC38		KX23		X		
SM5105	OM352	01/82- >13/83	LX265						X		
SM5105	OM352	01/78->	LX265						X		

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°		1°	2°			
SANTAL										
115, 116	MWM D225/6 - D229/6	79->	LX265	LXS37/1	OC60	KX44		X	HX51D	
115, 116	Perkins 4236	->78	LX275	LXS5/1				X	HX54	
115, 116 - CMP/8	MB OM355/5	83->	LX241	LXS43/1	OX75D	KX44		X		
Colheitadeira Tandem	Scania DS11	99->	LX760	LXS299	OC18	KX89/2D KC94		X	HC4	HX15
P15, 116	Scania DS11		LX273	LXS44/1	OC18			X		
SCANIA										
112, 142 R, T - (HW, EW)	DN/DS/DSC11/14				OC18			X		
112,142 R/T - HW/EW - 360cv	DSC11	86->	LX450	LXS44/1	OC18	KC24 KX89/2D (2)		X		HX15 WFC3- REFRIG.
112,142 R/T - HW/EW - 410cv	DSC14	86->	LX450	LXS44/1	OC18	KC24 KX89/2D (2)		X		HX15 WFC3- REFRIG.
113 R/T (H/HK) - 143H	DS11,DSC11, DSC14	86->	LX450	LXS44/1	OC18	KC24 KX89/2D (2)		X	HC96	HX15 WFC3- REFRIG.
114 P/R/T	DCS11-75/ 9-12/ 12-02T	01/98->		LXS262					LA432 LA650	HC96
114 P/R/T (Canavieiro)	DC11 / DSC11-07 (330cv)	01/97->		LXS288	OC403 OC18	KC94 KC123/1			LA432 LA650	HC96
114C		98->			OC18			X		
114C SERIE 4 - Classe D	DSC11 (original 1421022)	->06/98	LX714		OC121	KC94		X		HX15
1214, 1214K, L1218, 1218, 1414, 1414K, L1418, 1418K, 2318L, 2318LB, LA1418, LAK1418, 1718K, 1720, 2418, L1620, 231-8L/LB	DS14	96->	LX1056 LX1056/1 LX1716	LXS260	OC303	KC127 KC128 ⁽²⁾		X		AL12- DESUM. 0951-127M1 -ELEM. DISCO COADOR
124 P/R/T	DSC12-01,02,09 (360/400cv)	01/98-> >09/06	LX1069	LXS262	OC403	KC94 KC441 KC123/1			LA432 LA650	HC96
124 P/R/T	DSC12-01,02,09 (360/400cv)	10/06->	LX1069		OC403	KC94 KC441 KC123/1			LA432 LA702	HC96
124 P/R/T - Turbo e Intercooler	DSC11 75/ DSC9 12/ DSC12 02 (orig.1423414)	01/98->	LX1069	LXS262	OC403	KC94			LA432 LA650	HC96
124 P/R/T (Canavieiro)	DSC12-02 (420cv)	03/99-> >09/06		LXS288	OC403	KC441 KC123/1			LA432 LA650	HC96
124 P/R/T (Canavieiro)	DSC12-02 (420cv)	10/06->		LXS288	OC403	KC441 KC123/1			LA432 LA702	HC96
140 LK-LKS-C / 141 LK-LKS-LKT	DS14	77->	LX273	LXS44/1	OC18	KC113 KX89/2D		X		
142 R/T - E/H/EW/HW/HS - 310cv	DS14/DSC14		LX273	LXS44/1	OC18	KC113 KX89/2D (2)		X		HX15
142 R/T - E/H/HW/EW/HS - 310cv	DS11	86->	LX450	LXS44/1	OC18	KC24 KX89/2D (2)		X		HX15 WFC3- REFRIG.
164 R	DC16-02	01/02->	LX1069	LXS262		KX182/- 1D KC123/1			LA432 LA650	HC96
1671502 (POWER PACK MOTO-RES ESTACIONÁRIOS)						KX88/1D		X		
310, 360, 410	DS11, DSC11, DSC14	86	LX450	LXS44/1	OC18	KC113		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º		1º	2º			
SCANIA										
94 P/R/T (CB/DB) (Canavieiro)	DSC9-12 (220/260cv)	01/97->		LXS288	OC403	KC94 KC123/1	LA432 LA650	HC96		HX15-DIR. AL14- DESUM. WFC4- REFRIG.
94, 124 Série 4 - Classe D	DS9-DS11-DS12	98->	LX1069	LXS262	OC121	KC94	LA432 LA650			
94, 124 Série 4 - Classe D	DSC9/ DSC12 (original 1421021)	->06/98	LX712		OC121	KC94	LA432 LA650			HX15
BR115, B111, BR116, F112 HLD0UBGDECKEN	DS11 / DN11	75->		LXS43/1	OC18	KC113	X			
G 380	D12-17	11/06->	LX1313/1 LX1069		OC403	KC441 KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 380	DC12-17 Euro 3	01/08->	LX1313/1 LX1069		OC403	KX18- 2/1D KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 420	D12-06	11/06->	LX1313/1 LX1069		OC403	KC441 KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 420	DC12-06 Euro 3	01/08->	LX1313/1 LX1069		OC403	KX18- 2/1D KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 440	DT12-18 Euro 3	11/06->	LX1313/1 LX1069		OC403	KX18- 2/1D KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 470	DT12-06	11/06->	LX1313/1 LX1069		OC403	KX18- 2/1D KC123/1	LA702	HC96		HX15-DIR. WFC4- REFRIG. AL14- DESUM.
G 470A 4x2/6x2/6x4/8x4 - G 420B 6x4		11->					LA702			
G 480A 6x2		11->					LA702			
Grupo Gerador DS11AO1, DS14AO1		81->			OC18		X			
Grupo Gerador DS11AO6		77->			OC18		X			
H-T 142-H-T 142 HS	DS14, DSC14	80->89	LX275	LXS5/1	OC26	KX43 KX35	X			
LK 141	DC12	03->05	LX1069	LXS262	OC403	KC94 KC123/1	LA432	HC96		HX15-DIR. WFC1- REFRIG.
LS 110	DC12	05->05	LX1069	LXS262	OC403	KC94 KC124 KC124/1	LA432	HC96		HX15-DIR. WFC1- REFRIG.
LS 76	DC12	01->05	LX1069	LXS262	OC403	KC94 KC124 KC124/1	LA432	HC96		HX15-DIR. WFC1- REFRIG.
Motores DS11-DS14 Veiculares		77->			OC18		X			
Motores DS11MO1-DS14MO1 Marítimos		77->	LX271/2		OC18		X			
Motores DS14 Veiculares		81->			OC18		X			
Motores DS111M-DS114M Mariti- mos					OC18		X			
Motores DS114A estacionarios					OC18		X			
P 230	DC9-13	11/06->	LX1313/1		OC403	KX182/- 1D KC123/1	LA432 LA702	HC96		HX15-DIR. AL14- DESUM. WFC4- REFRIG.
P 230	DC9-19	01/04->		LXS288	OC403	KX182/- 1D KC123/1	LA432 LA702	HC96		HX15-DIR. AL12- DESUM. WFC4- REFRIG.

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER	
			1°	2°		1°	2°				
SCANIA											
P 270	DC9-12	11/06->	LX1313/1		OC403	KX182-1D KC123/1		LA432 LA702	HC96	HX15-DIR. AL14- DESUM. WFC4- REFRIG.	
P 270	DC9-20	01/04->		LXS288	OC403	KX182-1D KC123/1		LA432 LA702	HC96	HX15-DIR. AL12- DESUM. WFC4- REFRIG.	
P 270A 4x2		11->						LA702			
P 310	DC9-11	11/06->	LX1313/1		OC403	KX182-1D KC123/1		LA432 LA702	HC96	HX15-DIR. AL14- DESUM. WFC4- REFRIG.	
P 310	DC9-21	01/04->	LX1313/1	LXS312	OC403	KX182-1D KC123/1		LA432 LA702	HC96	HX15-DIR. AL14- DESUM. WFC4- REFRIG.	
P 340	DC11-03	01/04->	LX1069	LXS262	OC403	KC441 KC123/1		LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
P 340	DC11-08	11/06->	LX1313/1		OC403	KX182-1D KC123/1		LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
P 420	DC12-01	01/04->	LX1069	LXS262	OC403	KC94 KC123/1		LA432 LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
P 420	DC12-06 Euro 3	11/06->	LX1313/1		OC403	KX182-1D KC123/1		LA432 LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
P 93 - H/HS	DS9 Turbocooler	95->	LX450	LXS44/1	OC18	KC24 KX89/2D		LA432		WFC4- REFRIG.	
P 93H-250 Turbo/Intercooler	DSC	95->	LX450	LXS44/1	OC18	KC113		X			
P 94	DSC11 75/DSC9 12 (orig.1423414)	01/98->	LX1069	LXS262	OC403	KC94		LA432	HC96	HX15 WFC4- REFRIG. AL14- DESUM.	
R-T 112-142-200 HW-EW	DN11	86	LX450	LXS44/1	OC18	KC113		X			
R-T 112 HS Intercooler	DSC11		LX970	LXS44/1	OC18	KC113		X		HX15 WFC3- REFRIG.	
R-T 142-R-T 142HS	DS14, DSC14		LX273	LXS44/1	OC18	KC113		X		HX15 WFC3- REFRIG.	
R 112-T 112	DS11	->81	LX970	LXS44/1	OC18	KC113		X			
R 112-T112	DS11	81->			OC18			X			
R 112HS-T112HS	DSC11		LX970	LXS44/1	OC18	KC24		X		HX15	
R 380	DC11-04	01/05->	LX1313/1 LX1069	LXS262	OC403	KC94 KC123/1 KC441		LA432 LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
R 380A 4x2/6x2		11->						LA702			
R 420	DC12-06	11/06->	LX1313/1 LX1069		OC403	KC441 KC123/1		LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	
R 420 HighLine	DC12-06	01/08->				KX182-1D KC123/1		LA702	HC96	HX15-DIR. WFC4- REFRIG. AL14- DESUM.	

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º		1º	2º			
SCANIA										
R 440	DT12-18	11/06->	LX1313/1 LX1069		OC403	KC441 KC123/1		LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 440 HighLine	DT12-18	01/08->				KX182/-1D KC123/1		LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 470	DT12-06	11/06->	LX1313/1 LX1069		OC403	KX182/-1D		LA432 LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 470 HighLine	DT12-06	01/08->				KX182/-1D KC123/1		LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 470A 4x2/6x2/6x4		11->						LA702		
R 480	DC16-02	01/05->	LX1313/1 LX1069	LXS262	OC403	KX182/-1D KC123/1		LA432 LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 500	DC16-04	11/06->	LX1313/1 LX1069					LA432 LA702		
R 500 (HighLine)	DC16-04	01/08->				KX182/-1D KC123/1		LA702	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
R 580B 6x4		11->						LA702		
T 112HK-T 113HK (6X6)	DS11	86->	LX450	LXS44/1	OC18	KC113		X		HX15 WFC3-REFRIG.
T 114 GA320/330/360	DSC12 11.7L 24V	1998->	LX1069	LXS262	OC403	KC94 KC124/1		LA432	HC96	HX15-DIR.
SCANIA ÔNIBUS										
B110	D11	71->76	LX241		OC18	KC113		X		
B75-B76	D11/DS11	50->70			OC18			X	HX44	
BR111-B115-BR116	DS11/DN11	75->	LX271/2		OC18	KX89/2D		X		
F112HL	DN11	75->	LX271/2	LXS43/1	OC18	KC24 KX89/2D ⁽²⁾		X		HX15
F113 HL	DS 11 78	97->	LX271/2	LXS43/1	OC18	KC24 KX89/2D ⁽²⁾		X		HX15 WFC3-REFRIG.
F230	DC9-13	07/09->			OC403	KX182/-1D KC123/1		X		
F94	DSC9-11 / DSC9-01 / DCS9-03	01/98->	LX531	LXS287	OC403	KC94 KC123/1		LA432	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.
K112, S112	DSC11/DS14	85->			OC18	KX89/2D		X		
K112, S112 Intercooler	DSC11 - DS14			LXS43/1	OC18	KC113		X		HX15 WFC3-REFRIG.
K113	DSC11-21/ DSC11-23	01/97->	LX241	LXS43/1	OC18	KC24 KX89/2D		X		HX15 WFC3-REFRIG. AL12-DESUM.
K114	DSC11 / DSC12-01 / DSC12-02 / DC12-01	01/98->12/02	LX531	LXS287	OC403	KC94 KC123/1		LA432	HC96	HX15-DIR. WFC4-REFRIG. AL12-DESUM.
K114	DSC12-02 / DC12-05	01/03->	LX1313/1	LXS312	OC403	KC441 KC123/1		LA432	HC96	HX15-DIR. WFC4-REFRIG. AL12-DESUM.





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º		1º	2º			
SCANIA ÔNIBUS										
K124	DSC12-01 / DSC12-02 / DC12-02	01/98->	LX531	LXS287	OC403	KC94 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL12-DESUM.	
K124	DSC12-05 / DC12-05	01/03->	LX1313/1	LXS312	OC403	KC441 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL12-DESUM.	
K230	DC9-19	01/05->			OC403	KX182/- 1D KC123/1	LA432		HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K270	DC9-20	01/05->	LX1313/1	LXS312	OC403	KX182/- 1D KC123/1	LA432		HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K310	DC9-21	01/05->	LX1313/1	LXS312	OC403	KX182/- 1D KC123/1	LA432		HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K340	DC11-03	01/05->	LX1313/1	LXS312	OC403	KC441 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K360	DSC12-02	01/05->	LX1313/1	LXS312	OC403	KC94 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K380	DC11-04	01/05->	LX1313/1	LXS312	OC403	KC441 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
K420	DSC12-01	01/05->	LX1313/1	LXS312	OC403	KC94 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG.	
K94	DSC9-15	01/98->	LX531	LXS287	OC403	KC94 KC123/1	LA432	HC96	HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
L110	D11	71->76	LX241		OC18	KC113	X			
L111	DS11	77->		LXS43/1	OC18	KC113 KX89/2D	X			
L113	DS11/DSC11-75/DSC11-78	97->	LX271/2	LXS43/1	OC18	KC24 KX89/2D	LA432		HX15	
L113 CL	DS11		LX271/2	LXS43/1	OC18	KC113	X	HC96	HX15	
L75 -76	D11	58->70			OC18	KX44	X			
L94	DSC9-01 / DC9-02	03/97-> >12/04	LX531	LXS287	OC403	KC94 KC123/1	LA432		HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
L94	DSC9-01 / DC9-02	01/05->	LX1313/1	LXS312	OC403	KC94 KC123/1	LA432		HX15-DIR. WFC4-REFRIG. AL14-DESUM.	
R112	DS11	01/81-> >05/88	LX450	LXS44/1	OC18	KC24 KC6D	X	HX15		
R,T 112 HW EW	DS11 360	01/86->	LX450	LXS44/1	OC18	KC24 KC6D	X	HX15	WFC4-REFRIG.	
R,T 142 HW EW	DSC14 410	01/86->	LX450	LXS44/1	OC18	KC24 KC6D	X	HX15	WFC4-REFRIG.	
T113 HK 6X6	DS11	01/86->	LX450	LXS44/1	OC18	KC24 KC6D	X	HX15	WFC4-REFRIG.	





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
SCHWING SIWA												
BP250	MB OM314		LX200				KX43		X			
			LX200/1				KX35					
BP550	MB OM352A		LX243		OX197D		KX43		X			
							KX35					
SEAT												
Alhambra	2.0	5/96->			OC47		KL2					
					OC522							
					PLUS							
Alhambra	2.9 Turbo Diesel	5/96->			OC324		KL75					
Cordoba	1.0	97->	LX208/1		OC250		KL237		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.4 Inj.	01/94->12/96	LX208/1		OC250		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.6 Inj.	01/94->			OC250		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.6 / 1.8	99->					KL583 (Plus) KL84		LA13->96			
									LA31			
									97->01			
									LA120			
									02->			
Cordoba	1.8 Inj.	01/94->03/95			OC47		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.8 Inj. 16V.	01/94->			OC47		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.8i/ 2.0i - GLX/ GTI	93->			OC47		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba	1.9 Diesel Turbo	1/94->	LX418		OC324		KL75		LA13->96			
									LA31			
									97->01			
									LA120			
									02->			
Cordoba GT	2.0 Inj.	01/94->			OC47		KL60		LA13->96			
					OC522				LA31			
					PLUS				97->01			
									LA120			
									02->			
Cordoba I	1.6 i - AFT	04/96->06/99			OC264		KL60		LA13->96			
									LA31			
									97->01			
									LA120			
									02->			
Cordoba I	1.6i Vario	08/96->	LX418		OC264		KL60		LA13->96			
									LA31			
									97->01			
									LA120			
									02->			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
SEAT												
Cordoba I	1.8 Gti 16V - ADL	10/93->06/99			OC264		KL60			LA13->96 LA31 97->01 LA120 02->		
Cordoba I	1.8i - ABS, ACC, ADZ	10/94->06/99			OC264		KL60			LA13->96 LA31 97->01 LA120 02->		
Cordoba I	2.0 Gti - AGG, 2E	10/93->06/99			OC264		KL60			LA13->96 LA31 97->01 LA120 02->		
Cordoba I	2.0 i 16V - ABF	08/96->06/99			OC264					LA13->96 LA31 97->01 LA120 02->		
Cordoba II	1.6i - AEH	06/99->12/02			OC264					LA13->96 LA31 97->01 LA120 02->		
Cordoba II	1.8T 20V - AQX	06/99->12/02			OC264					LA13->96 LA31 97->01 LA120 02->		
Cordoba III	1.6 16V	02/03->					KL176/-6D			LA13->96 LA31 97->01 LA120 02->		
Cordoba, Ibiza	1.8	95->97	LX418		OC47 OC522 PLUS		KL60			LA13->96 LA31 97->01 LA120 02->		
Ibiza	1.0 Inj.	10/93->12/96	LX208/1		OC250 OC522 PLUS		KL60			LA31		
Ibiza	1.2 Inj.	05/92->09/93	LX208/1		OC47 OC522 PLUS			KL2		LA31		
Ibiza	1.3 Inj.	10/93->6/94	LX208/1		OC47 OC522 PLUS		KL60			LA31		
Ibiza	1.4 inj.	05/94->	LX208/1		OC250 OC522 PLUS			KL2		LA31		
Ibiza	1.6 inj.	10/93->	LX208/1		OC250 OC522 PLUS		KL60			LA31		
Ibiza	1.6 / 1.8 e 2.0	98->						KL583 (Plus) KL84		LA31		
Ibiza	1.8 Inj.	10/93->12/96			OC47 OC522 PLUS		KL60			LA31		
Ibiza	1.8i GTI 16V	93->			OC47 OC522 PLUS		KL60			LA31		
Ibiza	1.9 Turbo Diesel	10/93->	LX418		OC324		KL75			LA31		
Ibiza		02/87->93			OC47 OC522 PLUS		KL63 KL222 ⁽²⁾			LA31		
Ibiza Cupra Sport	2.0 Multi Point Inj.	12/96->	LX405				KL2			LA31		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
SEAT												
Ibiza GLD/LD	1.7 Diesel	->92			OC248		KX23		LA31			
Ibiza GT	2.0	10/93->			OC47 OC522 PLUS		KL60		LA31			
Ibiza Gti	2.0 8V	10/93->	LX418		OC47 OC522 PLUS		KL60		LA31			
Ibiza II	1.6i - 1F	05/94- >08/99			OC264		KL60		LA31			
Ibiza II	1.6i - AFT	04/96- >08/99			OC264		KL60		LA31			
Ibiza II	1.8 Gti 16V - ADL	11/93- >08/99			OC264		KL60		LA31			
Ibiza III	1.6 16V - AEH, AKL, APF	08/99- >02/02			OC264				LA31			
Ibiza III	1.8 T 20V - AQX	08/99- >02/02			OC264				LA31			
Ibiza IV	1.6 16V	02/03->					KL176/- 6D		LA31			
Ibiza L/GL/GLX	1.2/1.5	->93			OC250 OC522 PLUS		KL63 KL222 ⁽²⁾		LA31			
Ibiza Sportline	1.7 inj.	04/92- >09/93			OC47 OC522 PLUS		KL2		LA31			
Ibiza Sxi	1.5 Inj.	89->93			OC250 OC522 PLUS		KL2		LA31			
Inca	1.4 inj.	96->	LX405		OC250 OC522 PLUS		KL2		LA31			
Inca	1.6	99->	LX418		OC47 OC522 PLUS		KL237		LA31			
Inca	1.6 Inj.	96->					KL60		LA31			
Inca	1.6i - 1F	11/95- >10/00			OC264		KL60		LA31			
Inca	1.9 Turbo Diesel	96->	LX418		OC324		KL75		LA31			
Inca Van	1.4 Inj.	96->	LX405		OC250 OC522 PLUS		KL2		LA31			
Inca Van	1.6 Inj.	->00					KL60		LA31			
Inca Van	1.9 Diesel	96->	LX418		OC248		KL75		LA31			
Marbella L/GL/GLX	850/900cc	86- >03/95			OC47 OC522 PLUS				X			
Toledo	1.8 KE Jetronic Inj.16V	10/91- >01/95			OC47 OC522 PLUS							
Toledo	2.0 16V.	08/94->			OC47 OC522 PLUS				LA31			
Toledo CL	1.6	10/91- >05/92			OC47 OC522 PLUS							
Toledo CLD	1.9 Turbo Diesel	6/92- >95	LX418		OC324		KL75					
Toledo GLXi	1.8	10/91- >05/95			OC47 OC522 PLUS		KL2					
Toledo GTI	2.0	10/91- >07/94					KL2					
Van	1.6	95->	LX418		OC47 OC522 PLUS		KL60		LA31			
SLC												
1000	MWM D226/4	->80			OC26		KX43 KX35		X			
1000	MWM D226/4	81->			OX199D		KX43 KX35		X			
1000	MWM D229/4 - OM 352	->12/82	LX265	LXS37/1	OX85D		KX43 KX35		X	HC76		



APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
SLC											
1000	OM 352	01/82->12/83	LX265	LXS37/1	OX199D		KX43 KX35		X	HC76	
1000, 2000, 2200	MBB OM352	80->	LX265	LXS37/1	OX85D		KX43 KX35		X		
1185		97->	LX227	LXS42/1					X		
2000, 2200	OM 352	01/82->13/83	LX265	LXS37/1	OX85D		KX43 KX35		X	HC76	
5600 (4X2)	John Deere	97->	LX236	LXS41/1					X		
5700 (4X4)	John Deere	97->	LX236	LXS41/1					X		
6200	MBB OM352	86->	LX265	LXS37/1	OX199D		KX43 KX35		X		
6200 Turbo	MB OM352	86->		LXS42/1					X		
6300	John Deere 4039T		LX236	LXS41/1					X		
6300	OM 366		LX265	LXS37/1	OX137D		KX49		X		
6600	John Deere 6059T	98->	LX265	LXS37/1					X		
7500/7700	OM 366 A Turbo		LX227	LXS42/1	OX137D		KX49		X		
JD860/JD860A	Detroit 6.71				OX5D				X		
WA 14/ WA17	Cummins				OX198D OX218D		KX92D KC133		X		
SSANGYONG											
Korando	2.3		LX95						X		
STEYR-DAIMLER-PUCH											
Trator 9200	Cummins 6CT8.3L						KL870		X		
SUBARU											
Forester	(SG/SF) 2.0 16V	01/97->	LX307		OC205				X		
Forester	(SG/SF) 2.0 S-Turbo (SF) - EJ20G	04/99->03/01	LX307		OC205				X		
Forester	(SG/SF) 2.0 (SF) - EJ20	08/97->12/98	LX307		OC205				X		
Forester	2.0 Multi Point Inj.4cil.	9/97->	LX307		OC205				X		
Impreza	1.6 boxer	5/93->9/96	LX307		OC205				X		
Impreza	1.8 boxer	5/93->9/96	LX307		OC205				X		
Impreza	2.0 Inj. 16V	12/95->	LX307		OC205				X		
Impreza	2.0 Turbo Inj.	3/94->	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 1.6 - EJ16E	12/96->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 1.6i 4WD - EJ16	08/92->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 1.8i 4WD - EJ18	08/92->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 2.0 Turbo 4WD	12/96->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 2.0 Turbo GT 4WD - EJ20T	06/98->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 2.0i 4WD - EJ20	10/95->12/00	LX307		OC205				X		
Impreza I	(GC/GF/GFC) 2.0i Turbo - EJ20T	03/94->12/00	LX307		OC205				X		
Impreza II	(GD/GC) 2.0 WRX - EJ20T	12/00->03/03	LX307		OC205				X		
Justy					OC205				X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
SUBARU											
Legacy	1.8 4WD (BJF) EJ18SPI	01/89->09/91	LX1298		OC205				X		
Legacy	1.8i 16V (BC4) - EJ20	10/91->09/94	LX307						X		
Legacy	1.8i 16V (BC4) - EJ20	10/91->09/94	LX307		OC205				X		
Legacy	2.0 4WD Super (BJF) - EJ20 EMPI	05/92->10/94	LX307		OC205				X		
Legacy	2.0 Turbo 4WD Super (BJF) - EJ20 -GN	05/92->10/94	LX307		OC205				X		
Legacy	2.0 Turbo inj.	10/91->4/94	LX307		OC205				X		
Legacy	2.0i 4WD (BD/BG) - EJ20	09/94->03/99	LX307		OC205				X		
Legacy	2.2 Super 4WD (BJF) - EJ22 EMPI	01/89->10/94	LX307		OC205				X		
Legacy	2.2i 4WD (BD/BG) - EJ22 EMPI	06/96->12/98	LX307		OC205				X		
Legacy	2.2i (BD/BG) - EJ22 EMPI	09/94->12/98	LX307		OC205				X		
Legacy	2.5 16V 4WD (BD/BG) - EJ25	07/96->12/98	LX307		OC205				X		
Legacy	2.5 inj.	9/96->	LX307		OC205				X		
Legacy DL	2.0	1/92->8/94	LX307		OC205				X		
Legacy GL	1.8	10/89->1/91	LX307		OC205				X		
Legacy GL	2.0 Turbo inj.	89->9/94	LX307		OC205				X		
Legacy GL/GLS	2.0 Inj.16V.	4/94->	LX307		OC205				X		
Legacy GX	2.2 inj.16V.	10/89	LX307		OC205				X		
Legacy L	1.8	93->	LX307		OC205				X		
Legacy L	2.2	93->	LX307		OC205				X		
SVX	3.3i 24V inj.6cil.	5/92->9/96	LX307		OC205				X		
SVX	3.3i 24V (CXW) - EG33 DOHC	09/92->	LX307		OC205				X		
SVX		93->	LX307		OC205				X		
Vivio 660					OC205				X		
SULAIR											
250, 250DP	Perkins 4236				OC324	KX23			X		
SUZUKI											
Alto	1.0 Inj.	2/97->			OC534				X		
Alto		7/81->2/83			OC534				X		
Alto GL		4/86->11/92			OC534				X		
AN 650 Burgman		2002->			OC1018						
Cappucciono	657cc Turbo Inj.	10/93->10/95			OC534				X		
Gran Vitara	2.0 TDI	01->	LX862								
Grand Vitara		98->09							LA654/S		
GSF 1200S Bandit		1995->2000			OC1018						
GSF 600/600S Bandit		1995->2004			OC1018						
GSX-R 1000		2001->2004			OC1018						





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
SUZUKI											
GSX-R 1100W		1993->1997			OC1018						
GSX-R 600		1997->			OC1018						
GSX-R 750W		1992->1995			OC1018						
GSX 1100F/G		1988->2007			OC1018						
GSX 1300R Hayabusa		1998->2007			OC1018						
GSX 600F Katana		1988->2007			OC1018						
GSX 600R		1992->1993			OC1018						
GSX 600R		1997->1998			OC1018						
GSX 750F		1998->			OC1018						
GV 1400 Cavalcade		1987->1988			OC1018						
Jimmy	1.3 16V - Gasolina				OC534						
SV 1000		2003->			OC1018						
SV 650 /S/SU		1999->			OC1018						
Swift II	1.0i (EA, AH, AJ)	02/91->02/96			OC195				X		
Swift II	1.3 / 1.3 4WD (EA, AH, AJ)	03/89->12/96			OC195				X		
TL 1000 R/S		1997->2001			OC1018						
Vitara	1.6 JLX inj. 8V	06/91->01/95	LX485						X		
Vitara	1.6L 8V inj.	93->	LX862	OC534					X		
Vitara	2.0L 16V Gasolina	01/93->12/99		OC534					X		
VL 800LC Intruder Volucia		2001->		OC1018							
VS 1400 GL		1987->1998		OC1018							
VS 1400 GLF/GLP Intruder		1987->2003		OC1018							
VS 1400 Intruder		1987->2003		OC1018							
VS 1400 P/F		1987->1998		OC1018							
VS 800 GL/C Intruder		1992->		OC1018							
VX 800		1990->1993		OC1018							
VZ 800 Marauder		1996->		OC1018							
Wagon-R	Multi point Inj.	10/97->		OC534							
TADANO											
TS130L, 180L	MB OM352	80->	LX265	OX197D	KX43 KX35				X		
TS130L, 180L	MB OM352	->79	LX265	OX30D	KX43 KX35				X		
TEMA TERRA											
5S32, 5720, 5750 Guindastes	Scania D11-DS11		LX241	OC18	KC113				X		
SP10000	Perkins 6357				KX23	KX23			X		
SP12000 Série 246H	MB OM352A			OX197D	KX43				X		
SP255	MB OM352	->79			KX43 KX35				X	HX51D	
SP255	MB OM352	80->	LX243	OX197D	KX43 KX35				X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
TEMA TERRA											
SP255	Perkins 6340						KX23	KX23	X		
SP255	Perkins 6357					OX200D	KX23	KX23	X		
SP255	Perkins V8-510					OX200D	KX23		X		
SP3000	Perkins 4236		LX275	LXS5/1		OC324	KX23		X		
SP5500	MB OM314	82->83	LX200				KX43	KX35	X	HX51D	
SP8000 HD Serie 824V	MB OM352		LX243			OX197D	KX43	KX35	X		
SP8000, 10000, 12000	MB OM352	->79	LX243				KX43	KX35	X		
SP8000, 10000, 12000	MB OM352	80->	LX243			OX197D	KX43	KX35	X		
SPV30, 48, 68, 84	MB OM352	->79	LX243				KX43	KX35	X		
SPV30, 48, 68, 84	Perkins 6357		LX243			OX200D	KX23		X	HX51D	
SPV730	MB OM314	82->83	LX200				KX43	KX35	X	HX51D	
SPV730	MB OM352		LX243			OX199D	KX43	KX35	X		
SPV735	Detroit 4-53		LX243						X		
SPV735	MB OM352 Ind.		LX243				KX43	KX35	X		
TH14	Perkins 4236		LX275				KX23	KX23	X		
TH4420	Scania D11		LX241	LXS43/1			KC113		X		
TH8, TH10	Perkins 3152		LX200					KX23	X		
TT1014	MB OM314		LX200				KX43	KX35	X		
TT1014	Perkins 4203		LX200/1			OX18D	KX23	KX23	X		
TT58, TT710	Perkins 6357					OX200D	KX23	KX23	X		
TT58, TT710	Perkins V8510						KX23		X		
VP10	Deutz A2L-1014						KX44		X		
VP15	Agrale M790		LX200			OC18			X		
VP15	Deutz A2L-1014		LX200/1			OC26	KC113		X		
VR3	MB OM352	->79	LX200/1				KX43		X		
VR3	MB OM352	80->					KX23		X		
VR3	MB OM352	->79					KX43	KX35	X		
TEREX											
33-03B	Scania DS11					OC18	KC113		X		
42L	MB OM352		LX265	LXS37/1		OX197D	KX43	KX35	X		
R35C	Scania DS14					OC18	KC113		X		
THERMO KING											
Sistema Thermo king LRTBR - Ônibus Rodoviário		05->								LA696	
Sistema Thermo king LRTSP - Ônibus Rodoviário		06->								LA692	
Sistema Thermo king LRTSP - Ônibus Rodoviário		06->								LA693	
TOYOTA											
4-Runner	3.0 Turbo Diesel Inj.	93->97					KC83		X		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
TOYOTA											
4-Runner	3.0 V6 12V Inj.	5/93->			OC67				X		
Avensis GLS/CDX	2.0 Multi Point Inj.	11/97->			OC534						
Avensis GS/GLS	1.8 Multi Point Inj.	11/97->			OC534						
Avensis S/GS	1.6 Multi Point Inj.	11/97->			OC534						
Bandeirantes	MBB OM364	90->94	LX275	LXS5/1	OX150D	KX43	KX43		X		
Bandeirantes	Toyota Importado	94->	LX275	LXS5/1	OC67				X		
Camry	1.8 DLX, DX, GL	->86			OC534				X		
Camry	2.0 16V	3/88->9/89			OC534				X		
Camry	3.0 V6 24V Inj.	11/96->			OC534				X		
Camry GL	1.8 Turbo Diesel	4/84->10/85			OC18				X		
Camry GL	2.0 Turbo Diesel	10/85->1/88				KC83			X		
Camry GL	2.2 16V Inj.	9/91->9/95			OC534				X		
Camry GLI	2.0 16V	1/87->10/91			OC534				X		
Camry GLI	2.0 Inj.	4/84->1/87			OC534				X		
Camry GX	3.0 V6 Inj.	10/91->12/96			OC534				X		
Camry LE		92->			OC534				X		
Camry Saloon Sport	2.2 Inj.	11/96->			OC534				X		
Camry XLE	6cil.	92->			OC534				X		
Camry (XLE Aut)	3.5L 24v	2007->							LA655		
Carina	1.8 Multi Point	6/95->11/97			OC534				X		
Carina DLX/GL	1.6	77->4/84			OC18				X		
Carina GL	1.8	77->4/84			OC18				X		
Carina GLI/LXI/XI	1.6 16V	1/92->11/97			OC534				X		
Carina GLXI/GTI/XLI	2.0	1/92->11/97							X		
Carina II	1.8				OC534				X		
Carina II	2.0 GLI	->94			OC534				X		
Carina II GL	1.6	4/84->3/88			OC534				X		
Carina II GL	2.0 Diesel	4/84->3/89			OC18				X		
Carina III GL	16V	3/88->93			OC534	KL63			X		
Carina III GL	2.0 16V Inj.	3/88->1/92			OC534				X		
Celica	2.0 16V Turbo	90->3/94			OC534				X		
Celica	2.0 16V Turbo Inj.	3/94->			OC534				X		
Celica Coupe	1.6	78->82			OC18				X		
Celica GT Coupe	16V	2/90->3/94			OC534				X		
Celica GT Coupe	16V Inj.	85->91			OC534				X		
Celica GT/Cabriolet	2.0	3/94->			OC534				X		
Celica (ST)	1.8L	01/92->12/93			OC534				X		
Cellica	2000GT - 2.0GT/ GTI	89->94			OC534				X		
Corolla	1.2	9/72->88			OC534				X		
Corolla	1.3	->85			OC534				X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
TOYOTA												
Corolla	1.3i 2E-E	06/89->04/92					KL139		X			
Corolla	1.6	08/87->04/92			OC534		KL139		X			
Corolla	1.6 inj. 16V.	2/84->8/87			OC534		KL139		X			
Corolla	1.6i 4A-GE	07/87->06/93					KL139		X			
Corolla	1.6i 4WD - 4A-FE	10/87->06/92					KL139		X			
Corolla	1.8 Diesel	82->04/87			OC18				X			
Corolla CD/GS	1.6	8/97->			OC534		KL139		X			
Corolla DX	1.8 16V	99->01	LX811						X			
Corolla DX/EX	1.6	3/80->8/82			OC18		KL139		X			
Corolla Fielder	1.6L	02->	LX1286		OC534							
Corolla Fielder	1.8L	02->	LX1286		OC534							
Corolla GLI	1.3 16v Inj.	08/92->07/95	LX811		OC534		KL140		X			
Corolla GLXI	1.8 16v Inj.	03/93->	LX811		OC534		KL140		X			
Corolla GSI/LXI	1.3 16V Inj.	07/95->07/97	LX811		OC534		KL140		X			
Corolla GT	1.6 16V Inj.	87->8/89			OC534		KL139		X			
Corolla GTI	1.6 16v Inj.	08/89->93					KL140		X			
Corolla Nacional XLI/ XEI	1.8 16V	98->01	LX811		OC534		KL140		X			
Corolla Nacional XLI/ XEI	1.8 16V	01->02			OC534		KL140		X			
Corolla SR Coupe	1.6	3/80->8/82			OC534		KL139		X			
Corolla SW LE/WG	1.8L 16V	01/93->12/99	LX811		OC534		KL140		X			
Corolla (Fielder SE-G / XEi / XLi / Aut.)	1.8 16V VVT-i DOHC Flex	03/07->12/07	LX1286		OC534		KL582 (Plus)		X	LA109		
Corolla (Fielder SW / SW-S / Aut.)	1.8 16V	01/05->12/07	LX1286		OC534				X			
Corolla (GLi / DX / SW / XLi)	1.6L 16V	01/93->12/99	LX811		OC534		KL140		X			
Corolla (LE)	1.8L	01/93->12/98			OC534				X			
Corolla (LE)	2.2L 16V	01/95->12/97			OC534							
Corolla (S / Aut.)	1.8 16V Gasolina	01/07->12/07	LX1286		OC534					LA109		
Corolla (SE-G / XEi / XLi / Aut.)	1.8 16V	01/99->12/07	LX1286		OC534				X			
Corolla (SE-G / XEi / XLi / Aut.)	1.8 16V VVT-i DOHC Flex	03/07->12/07	LX1286		OC534		KL582 (Plus)			LA109		
Corolla (XLi / Aut.)	1.6 16V Gasolina	03->07	LX1286		OC534					LA395		
Corolla / Fielder	1.8 16V Gasolina	03->07	LX1286		OC534		KL582 (Plus)			LA395		
Corolla/Fielder (SE-G/XEi/Xli/Aut)	1.8L 16v VVT-i DOHC Flex	2009->								LA655		
Corona (GLi / Aut.)	2.0L 16v	01/96->12/00			OC534				X			
Crescida	2.2 Diesel	81->10/83			OC67				X			
Crown	2.6 6cil.	5/75->3/80			OC67		KL63		X			
Hilux	3.4L 24v DOHC V6 Gasolina	97->01	LX2125		OC235				X			
Hilux SR	2.7 16V DOHC WT-i Gasolina	01->02	LX2530		OC235				X			
Hilux (CD D4-D 4x2 / 4x4)	2.5 16V TB Diesel	01/06->	LX2125				KX268D			LA655		
Hilux (CD SR / SRV / 4x4)	3.0 8v TB Diesel	01/02->	LX2530		OC275		KC83		X			
Hilux (CD / CS / DX / SRV / 4x2)	2.7L 16v Diesel	01/02->12/03	LX2530		OC275		KC83		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	1°	2°		
TOYOTA												
Hilux (CD / STD / SW)	2.8L 8v Diesel	92->01	LX912		OC67		KC83		X			
Hilux (CDSRV / CDSRV TBI)	3.0L 16v DOHC L4 Diesel	06->			OC235				LA655			
Hilux (CD/CS/DX/SR/SRV /4x2 / 4x4)	3.0L 8v Diesel	01/02->	LX2530		OC275		KC83		X			
Hilux (Chassi D4-D 4x4)	2.5 TB Diesel	01/06->	LX2125				KX268D		LA655			
Hilux (CS D4-D 4x2 / 4x4)	2.5 16V TB Diesel	01/06->	LX2530				KX268D		LA655			
Hilux (D4-D CD /SR /SRV / SW4 /4x2 /4x4 /Aut.)	3.0 16V TDI Diesel	01/06->	LX2125				KX268D		LA655			
Hilux (D/C DX AC 4x2-4x4/ S/C DX AC 4x2-4x4/)	2.5L 16v DOHC L4 Diesel	05->			OC235				LA655			
Hilux (D/C SR TBI - D/C SR SRV 4x4 - SW NEW AT/MT)	3.0L 16v DOHC L4 Diesel	05->			OC235				LA655			
Hilux (D/C SRV 4x2- Turbo 4x4)	3.0L 16v DOHC L4 Diesel	01->			OC235				LA655			
Hilux (SW4 4x4)	2.4L 8v Diesel	93->96			OC275		KC83		X			
Hilux (SW4 4x4)	2.8L Diesel	92->96			OC275		KC83		X			
Hilux (SW4 4x4)	3.0L 12v V6 Diesel	01/93->12/96			OC275		KC83		X			
Hilux (SW4 4x4)	3.0L 24v V6 Diesel	01/94->12/01			OC275		KC83		X			
Hilux (SW4 4x4)	3.0L 8v TB Diesel	01/97->12/02			OC275		KC83		X			
Hilux (SW4)	2.7L 16v Diesel	01/96->12/00			OC275		KC83		X			
Hilux (SW4)	3.4L 24v DOHC V6 Gasolina	97->01			OC275		KC83		X			
Hilux (SW4)	4cil. Gasolina	93->			OC534				X			
Hilux (SW4)	6cil. Gasolina	96->			OC534				X			
Hilux/SW4 SR5	3.0 Diesel Turbo	97->01			OC534		KC83		X			
Jeep, Perua, Pick-up	OM314	81->			OX43D		KX43 KX35		X			
Land Cruiser (Prado 4x4 / Aut.)	3.0L TB Diesel	01/03->			OC275				X			
LandCruiser	3.0 Diesel Turbo	03->			OC534							
Lexus	3.0 24V Inj. 6cil.	10/93->			OC18							
Lexus		92->			OC534							
Lexus		2006->							LA655			
MR2 Coupe	2.0 16V 4Cil.	90->2/94			OC534				X			
MR2 GT Coupe	1.6 16V.	3/85->8/87			OC534				X			
MR2 GT/T-Bar Coupe	1.6 16V.	9/87->12/90			OC534				X			
MR2 GT/T-Bar Coupe	2.0 16V 4Cil.	3/94->			OC534				X			
MR2 GT/T-Bar Coupe	2.0 Inj.	90->2/94			OC534				X			
OJ50LV-SOLVB-OJ55LPB	MB OM-314	81->83	LX200 LX200/1	LXS40/1	OX43D		KX43 KX35		X			
OJ50(L-LV-LVB)-OJ55(LPB-LPB3-LPBL)	MB OM-314	->81	LX200 LX200/1	LXS40/1	OX85D		KX44		X			
Paseo	1.5L 16v	01/92->12/96			OC534				X			
Paseo SI/ST	1.5 16V Inj.	03/96			OC534				X			
Picnic GL/GS/GX	2.0 16V Inj.	97->			OC534				X			
Prado		2009->							LA647			
Previa		92->			OC534				X			
Previa GL/GLX/GS	2.4 16V	10/90->			OC534				X			
Publica	1.0	92->			OC534				X			
Rav 4	2.0i	94->			OC534		∞		X			



(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
TOYOTA											
Rav 4 (4x4 / Aut.)	2.0L 16v	01/99->			OC534		∞		X		
Rav 4 (GS/GX)	2.0L 16V 4cil. Inj.	6/94->			OC534		∞		X		
RAV4 (4x4/Aut)	2.0L 16v Gasolina	2006->							LA655		
Starlet CD	16V Inj.	3/96->			OC534				X		
Starlet GL		3/85-> >1/93			OC534				X		
Starlet GL/GLI	12V Inj.	1/93-> >3/96			OC534				X		
TB 256	M. BENZ OM-324								X		
Tercel DLX		3/83-> >4/88			OC534				X		
Tercel GL	4cil.	10/82-> >1/85			OC534				X		
TROLLER											
T4	International NGD 3.0 TDI Eletrônico	01/06->	LX2532		OX169/1D		KL425 KX212		X		
Troller	MWM Sprint 4.07TCA 2.8				OC404				X		
VALMET											
110, 118	MWM D225 / D229/6	80->86			OC60				X	HX50	
1180	Valmet 620D Imp	94->	LX265	LXS37/1	OC335		KX23	KX23	X		
128	MWM D 229	85->	LX236	LXS41/1	OC60		KX43 KX35		X		HX55-TRANS.
1280	MWM D 229/4	92->	LX236	LXS41/1	OC60		KX43 KX35		X	HX50	
1280, 1580	MWM	86	LX236	LXS41/1	OC60		KX43 KX35		X		HX55-TRANS. HC83-TRANS.
138	MWM D 229	83->89			OC60		KX43 KX35		X		HX56-TRANS.
1380	Valmet 620DS Imp	94->	LX227	LXS42/1	OC335		KX23	KX23	X		
1380 (4X4)	MWM D 229/6	85		LXS41/1	OC60		KX43 KX35		X		HX56-TRANS. HC83-TRANS.
1380 (4X4)	MWM D 229/6	86	LX236	LXS41/1	OC60		KX43 KX35		X	HX50	HC83-TRANS.
138, 148	MWM D 229	84->89	LX227	LXS42/1	OC60		KX43 KX35		X		HX55-TRANS.
148	MWM D 229	86->90	LX227	LXS42/1			KX43 KX35		X		HX55-TRANS.
1580, 1780	MWM TD229 EC6		LX227	LXS42/1			KX43 KX35		X	HX50	HC83-TRANS.
1680	Valmet 620DS	97->	LX227	LXS42/1	OC335		KX24	KX24	X		
1780	MWM	86->	LX227	LXS42/1			KX43 KX35		X		HX55-TRANS. HC83-TRANS.
1880S	Valtra 620DS	96->	LX227	LXS42/1	OC335				X		
3000E	MWM D225/3				OX47D		KX44		X		
3000E	MWM D225/3; Serie 16510138				OC26		KX43 KX35		X		
3000V	MWM D225/4		LX200 LX200/1	LXS40/1	OC26		KX43 KX35		X		
60, 80, 60ID, 80ID	MWM D 225/3 - 225/4	72			OX47D		KX44		X		
62, 65, 85	MWM D225/3 - 225/4	73->79			OC26		KX43 KX35		X		
685	MWM		LX1057		OC26		KX43 KX35	KX23	X		HX56-TRANS.
685, 785	MWM	98->	LX275	LXS5/1			KX43 KX35		X		
685, 785	MWM229	94->	LX1057		OC26		KX43 KX35		X		
68, 78, 88	MWM D225/3-225/3-229/4-229/4 TV	76->88	LX1057		OC26		KX43 KX35		X		HX56-TRANS. HC83-TRANS.





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR							HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°		1°	2°			
VALMET										
880, 885, 980	MWM D229	86->	LX275	LXS5/1	OC26	KX43 KX35		X	HX50	HC83- TRANS.
885	Valmet 420D Imp	94->	LX275	LXS5/1	OC335	KX23	KX23	X		
885 (4X4)/S/TS	Valmet	94->	LX275	LXS5/1	OC335			X		
965 (4X4)	MWM TD 229EC 4TA	92	LX265	LXS37/1	OC60	KX43 KX35		X	HX50	
965 (4X4)	MWM TD 229EC 4VM	92	LX236	LXS41/1	OC60	KX43 KX35		X	HX50	
980 (4X4)	MWM TD 229/4	86	LX265	LXS37/1	OC60	KX43 KX35		X	HX50	HC83- TRANS.
985	MWM		LX236	LXS41/1	OC60	KX43 KX35		X	HX50	
985	Valmet 420DS Imp	94->	LX275	LXS5/1	OC335	KX23	KX23	X		
985 (4X4)	MWM D 229EC	92	LX236	LXS41/1	OC60	KX43 KX35		X	HX50	
985 (4X4)	MWM TD 229EC 4TA		LX265	LXS37/1	OC60	KX43 KX35		X	HX50	
BF65 (Máquina Agrícola) 2000-> / BF75 (Máquina Agrícola) 2001-> / BL77 (Máquina Agrícola) 2003-> / BL88 (Máquina Agrícola) 2003->			LX1673					X		
Trator 1280,1380,1580,1680,1780,1880				LXS40/1				X		
Trator 1280,1380,1580,1680,1780,1880				LXS40/1				X		
Trator BH140,BH160,BH180				LXS40/1				X		
Trator BH140,BH160,BH180				LXS40/1				X		
Valtra 420D 4X2,4X4	BM85 85CV		LX275					X		
Valtra 420DS 4X2,4X4	BM100 100CV		LX236					X		
Valtra 420DS 4X4	BM110 110CV		LX265					X		
Valtra 620D 4X4	BM120 120CV		LX265	LXS37/1				X		
VOLKSWAGEN										
0180-1808	CN3 NAC	70->85			OC60	KX44		X		
11130, 11140, 12140, 13130, 14140, 15160T	MWM D229/6	81->92	LX236	LXS41/1	OC60	KX43 KX35		X		
11140	Cummins 6CTAA 8.3T	01/91- >12/92	LX971		OC304	KC6D		X	HX15	
11140	MWM D229/6	92->	LX972	LXS226	OC35	KX43 KX35		X		
11160, 22160 Álcool	318.3 E	86	LX265	LXS37/1		KL222 KL63		X		
12140T	MWM 4.10T	04/97->	LX972	LXS226	OC60	KC121/1 KC121		X		
12180, 13180, 14150, 15180, 17210	MWM 6.10TCA	97->99	LX972	LXS226	OC35	KC113	KC127	X	HX15	WFC4- REFRIG.
12180, 14180	MWM 6.10 TCA	99->				KC121/1		X		
13150	MWM 4.10TCA	01/00->	LX910	LXS37/1	OC60	KC437		X	HX15	AL12- DESUM.
13170	Cummins 6BTAA 5.9	00->	LX1716	LXS260	OC320	KC118 KC24 KC113		X		
13170 E	Cummins Interact 4 ISBE	12/03->	LX1716	LXS260	OC502	KC440		X		HX15-DIR. AL12- DESUM.
13180	MWM 6.10TCA	00->	LX1056 LX1056/1 LX1716	LXS260	OC35	KC122		X		
13180 (Constellation)	MWM 4.12 TCE	10/06->	LX2533	LXS296	OC60			LA652/ S		HX15-DIR.
13180, 24220, 24250, 26300, 40300	Cummins 6CTAA	00->	LX1056 LX1056/1 LX1716	LXS260	OC304	KC107	KC113	X	HX15	WFC2- REFRIG.
13190	Cummins 6BTAA	01->	LX972	LXS260	OC320			X		
13190	Cummins 6BTAA	00->	LX1056 LX1056/1 LX1716	LXS260	OC320	KC113		X	HX15	
13190	Cummins 6BTAA 5.9	01/02->	LX1716		OC320	KC6D		X		
14150	MWM 6.10 T	97->	LX972	LXS226	OC35	KC121/1 KC113		X		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
VOLKSWAGEN											
14150, 14200	MWM 6.10 NA /6.10T	92->96	LX972	LXS226	OC35		KC113		X		
14170, 15170, 16170	Cummins 6BT 5.9	92->	LX972	LXS226	OC320		KC107 KC113		X	HX15	WFC2-REFRIG.
14200	Cummins 6BTAA Turbo	97->	LX971	LXS227	OC304				X	HX15	WFC2-REFRIG.
14210 OD	MWM 6.10TCA Turbo Aftercooler	09/01->	LX1716						X		
14220 (6X4)	Cummins 6CT 8.3	01/91->12/00	LX971	LXS227	OC304		KC6D		X	HX15	WFC2-REFRIG.
15170 E Worker	Cummins Interact 4 ISBE	12/03->	LX1716	LXS260	OC502		KC440		X		HX15-DIR. AL12-DESUM.
15170, 17210	Cummins 6BTAA	00->	LX1716	LXS260	OC320		KC118 KC24 KC113		X	HX15	
15180	MWM 6.10TCA	00->	LX1056 LX1056/1 LX1716	LXS260	OC35		KC122		X		
15180 E Worker	MWM 4.12 TCE	05/05->	LX1056 LX1056/1 LX1716	LXS260					X	HX15	
15180 (Constellation)	MWM 4.12 TCE	10/06->	LX2533	LXS296	OC60				LA652/S		HX15-DIR. AL12-DESUM.
15190	Cummins 6BTAA 5.9	01/02->	LX1716	LXS260	OC320		KC24 KC6D		X		
16170	Cummins 6C 8.3	92	LX972	LXS226	OC304		KC107 KC24		X		WFC2-REFRIG.
16180	MWM	93	LX265	LXS37/1	OC35		KC113 KC113		X		
16180 CO	MWM 6.10	97->	LX265	LXS37/1	OC35		KC24 KC6D		X	HX15	WFC2-REFRIG.
16180 (Onibus)	MWM 6.10 T	93->							X	HX15	
16200 (6X4)	Cummins 6CT 8.3	01/92->	LX971	LXS227	OC304		KC6D		X	HX15	WFC2-REFRIG.
16210	Cummins 6CT 8.3	01/88->12/92	LX971	LXS227	OC319		KC6D		X	HX15	WFC2-REFRIG.
16210 CO	MWM 6.10 TCA	98->	LX265	LXS37/1	OC35				X		
16220	Cummins 6CTAA 8.3T	01/91->12/00	LX971	LXS227	OC304		KC6D		X	HX15	WFC2-REFRIG.
16300	Cummins 6CTAA 8.3T	92->	LX971	LXS227	OC304		KC6D		X	HX15	WFC2-REFRIG.
16330	Cummins 6CTAA Turbo	97->	LX971	LXS227	OC304		KC6D		X	HX15	WFC2-REFRIG.
17210	Cummins 6BT5.9T	01->		LXS260					X		
17210	Cummins 6BTAA 5.9T	00->			OC320		KC24 KC6D KC113		X	HX15	WFC2-REFRIG.
17210	MWM 6.10TCA	05/02->	LX1716	LXS260	OC35		KC437		X	HX15	
17210 COE	MWM 6.12 E	01/05->	LX1056 LX1056/1 LX1716	LXS260	OC35				X	HX15	
17210 E OD	MWM 6.10TCA	09/01->	LX265	LXS37/1	OC35		KC437 KC122		X	HX15	
17210 EOD (Onibus)	MWM 6.12TCAE	12/05->	LX1056 LX1056/1 LX1716	LXS260	OC35				X	HX15	
17220, 17300	Cummins 6CTAA 8.3T	01/92->12/99	LX971	LXS227	OC320		KC6D		X		WFC2-REFRIG.
17220, 17300, 24220, 24250, 26300, 40300	Cummins 6CTAA 8.3T	00->	LX1716	LXS260			KC118 KC24 KC113		X	HX15	
17230 EOD (Onibus)	MWM 6.12TCE Euro II	04/04->	LX1056 LX1056/1 LX1716	LXS260					X	HX15	
17240 OT (Onibus)	MWM 6.10 TCA	03/01->	LX1056 LX1056/1 LX1716	LXS260					X	HX15	
17250 E	Cummins Interact 4	01/04->	LX1056 LX1056/1 LX1716	LXS260	OC35				X	HX15	WFC4-REFRIG.
17250 E 4X2	Cummins Interact 6	01/04->	LX1056 LX1056/1 LX1716	LXS260	OC35				X	HX15	WFC4-REFRIG.

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	1°	2°		
VOLKSWAGEN												
17250 E Worker / Constellation	Cummins Interact 6 ISBE	07/03->	LX1716	LXS260	OC502	KC440			LA652/ S			HX15-DIR. AL12- DESUM. WFC2- REFRIG.
17260 EOT	MWM 6.10 TCAE	01/04->	LX1056 LX1056/1 LX1716	LXS260	OC35				X	HX15		
17260 EOT (Onibus)	MWM 6.12 TCAE	04/04->	LX1056 LX1056/1 LX1716	LXS260					X	HX15		
17310 Titan	Cummins 6CTAA 8.3T	01/02->	LX1716		OC304	KC6D			X			
18310 OTE 4X2	Cummins Interact 6	01/03->	LX1056 LX1056/1 LX1716	LXS260	OC304	KC24 KC6D			X	HX15		WFC4- REFRIG.
18310 Titan	Cummins 6CTAA 8.3T	01/00->	LX1716		OC304	KC6D			X			
18310 Titan, 23220, 23310Titan, 26220, 26260, 26310 Titan	Cummins 6CTAA	01->	LX1056 LX1056/1	LXS260	OC304	KC113			X	HX15		WFC4- REFRIG.
18320 EOT (Onibus)	MWM 6.12 TCAE	04/04->	LX1056 LX1056/1 LX1716	LXS260					X			
18320 OT (Onibus)	Cummins ISC320 E	03/06->	LX1056 LX1056/1 LX1716	LXS260	OC304				X			
19320	Cummins ISC320 E	01/05->	LX1056 LX1056/1 LX1716	LXS260	OC304				X	HX15		WFC4- REFRIG.
19320 Constellation	Cummins ISC320 E	01/05->	LX1056 LX1056/1 LX1716	LXS260	OC304	KC122 KC127			LA652/ S	HX15		
22140 Turbo	MWM TD229/6	92->	LX227	LXS42/1	OC35	KX43 KX35			X			
22210	Cummins 6CT 8.3	01/88- >12/92	LX271/2	LXS43/1	OC319	KC6D			X	HX15		WFC2- REFRIG.
23210	Cummins 6BTAA	01->	LX1056 LX1056/1 LX1716	LXS260	OC320	KC113			X	HX15		
23210	MWM 6.10TCA	05/02->	LX1716	LXS260	OC35	KC437			X	HX15		AL12- DESUM.
23220	Cummins 6CTAA 8.3T	01/02->				KC6D			X			
23250 E	Cummins Interact 6 ISBE	01/04->	LX1716	LXS260	OC502	KC440			X			HX15-DIR. AL12- DESUM. WFC2- REFRIG.
23310 Titan	Cummins 6CTAA 8.3T	01/02->	LX1716		OC304	KC6D			X			
24220	Cummins 6 CT Turbo	01/91- >12/00	LX971	LXS227	OC304	KC6D			X	HX15		WFC2- REFRIG.
24220, 24250, 35300, 40300	Cummins 6CT	92->	LX971		OC304	KC107 KC113			X	HX15		WFC2- REFRIG.
24250 Worker / Constellation	Cummins Interact 6 ISBE	07/03->	LX1716	LXS260	OC502	KC440			LA652/ S			HX15-DIR. AL12- DESUM. WFC2- REFRIG.
25370E Constellation	MWM NGD370	07/07->	LX1056 LX1056/1 LX1716	LXS260					LA652/ S			
26220	Cummins 6CTAA 8.3T	01/02->	LX1716		OC304	KC6D			X			
26260	Cummins 6CTAA 8.3T	01/02->	LX1716		OC304	KC6D			X			
26260E Worker	MWM 6.12 TCE	12/05->	LX1056 LX1056/1 LX1716	LXS260					X			
26310 Titan	Cummins 6CTAA 8.3T	01/02->	LX1716		OC304	KC6D			X			
31260 Worker	MWM 6.12 TCE	12/05->	LX1056 LX1056/1 LX1716	LXS260	OC35				X			
31320E Constellation 6X4	Cummins ISC320 E	02/07->	LX1056 LX1056/1 LX1716	LXS260					LA652/ S			
35300	Cummins 6CTAA 8.3	92->	LX971	LXS227	OC304	KC107 KC113			X	HX15		WFC2- REFRIG.
35300	Cummins 6CTAA 8.3T	04/91- >02/00	LX971	LXS227	OC304	KC6D			X	HX15		WFC2- REFRIG.





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
VOLKSWAGEN												
35300	Cummins 6CTAA Turbo	97->	LX971	LXS227	OC304				X	HX15		WFC2-REFRIG.
40300	Cummins 6CTAA 8.3T	03/00->11/01	LX1716		OC304	KC6D			X	HX15		
40300	Cummins 6CTAA 8.3T	06/99->02/00	LX971	LXS227	OC304	KC6D			X			
6.80, 7.90 P	Perkins 4236	83->	LX275	LXS5/1	OC324	KX23			X			
6.90, 7.9S, 71110	MWM D229/4	83->	LX275	LXS5/1	OC26	KX23			X			
7100, 8100, 8140	MWM 4.10 T	97->	LX910	LXS37/1	OC60	KC121/1			X			
7100, 8100,8140,8150	MWM 4.10 T	00->	LX910	LXS37/1	OC60	KC437 KC121/1			X	HX15		
7110	MWM 4.10TCA	01/02->	LX910	LXS37/1	OC60	KC437			X	HX15		AL12-DESUM.
7110S Turbo	MWM T229 GC	83->	LX265	LXS37/1	OC60	KX43 KX35			X			
7140 Álcool	V8 318.3	87->	LX236	LXS41/1		KL222 KL63			X			
8120	MWM 4.10TCA	01/00->	LX910	LXS37/1	OC60	KC437			X	HX15		AL12-DESUM.
8120 OD	MWM 4.10TCA	04/03->	LX910	LXS37/1	OC60	KC437			X	HX15		
8150	MWM 4.10TCA	01/00->	LX910	LXS37/1	OC60	KC437			X	HX15		AL12-DESUM.
8150 Delivery	MWM 4.08 TCE Euro III	07/05->	LX910						X	HX15		
8150 E	Cummins Interact 4 ISBE	01/03->	LX910	LXS37/1	OC502	KC440			X			HX15-DIR. AL12-DESUM.
8150 OD	MWM 4.10TCA	04/03->	LX910	LXS37/1	OC60	KC437			X	HX15		
85HU9155A, COM FURO, SEM SENSOR						KC130			X			
85TU9B64C, COM FURO, SEM SENSOR						KC131			X			
9150 E	Cummins Interact 4 ISBE	01/03->	LX910	LXS37/1	OC502	KC440			X			HX15-DIR. AL12-DESUM.
9150 EOD	MWM 4.12 TCAE		LX910		OC35				X	HX15		
9150 OD	MWM 4.10 TCA	11/00->	LX910		OC35				X	HX15		
9150 OD	MWM 4.12 TCA	04/03->	LX910	LXS37/1	OC60	KC437			X	HX15		
940 Turbo - Chrysler		->81	LX1065						X			
Amarok	2.0L TDI (CDBA / CDCA)	10->			OX388D				X			
Apolo GL - GLS	1.8 AP	90->	LX906		OC47 OC522 PLUS	KL222 KL63			X			
Bora	1.8/2.0	10/98->	LX684		OC264	KL79		LA31				
Bora	2.0L (1J2, 1J6) - AQY, AZH	01/00->	LX684		OC522 PLUS	KL79 KL79/3		LAK63				
Bora I	1.6 (1J2, 1J6) - AEH	10/98->	LX684		OC264	KL79		LA31				
Bora I	1.8 (1J2, 1J6) - AGN	10/98->	LX684		OC264	KL79		LA31				
Bora I	1.8T 20V (1J2, 1J6) - AGU/AGZ/ARX/AUM	10/00->	LX684		OC264	KL79		LA31				
Brasília, Fusca Álcool (Dupla carburação)	VW 1300	80->	LX901			KL63 KL222 ⁽²⁾			X			
Brasília, Kombi (Carburação Simples)	VW 1300	->74	LX963			KL63 KL222 ⁽²⁾			X			
Brasília, Kombi, Fusca (Dupla carburação)	VW 1300/1500/1600	->78	LX904/1			KL63 KL222			X			
Brasília, Kombi, Fusca (Dupla carburação)	VW 1600	79->82	LX900/1			KL63 KL222 ⁽²⁾			X			
Caravelle/ Euro Van	2.4L Diesel	98->				KL75			X			
Chassis Micro 17.110	MWM D229/4	92	LX275	LXS5/1	OC26	KX43 KX35			X			
Corrado	1.8 16V - KR	04/89->07/92			OC264				X			
Corrado	2.0i - ADY	04/93->12/95			OC264				X			
Corrado	2.0i 16V - 9A	08/91->12/95			OC264				X			
Cross Fox GPR	1.6 Flex	09/06->	LX977		OC250 OC522 PLUS	KL635		LA120				





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
VOLKSWAGEN												
D 100 Gasolina - LA 318		->75	LX1065						X			
D 400 Gasolina - LA318		->75	LX1065						X			
D100, D400	Perkins 4236	70->81			OC324		KL63 KL222 ⁽²⁾		X			
D400, P400, P700, P900	PERKINS 4236	70->81			OC324		KX23		X			
D700, D700DI, D750, D900	PERKINS 6357	75->81	LX973		OX200D		KX23		X			
D700, D900	PERKINS 6354	77->81	LX236	LXS41/1	OC308		KX23		X			
D950	MWM D225/6	75->78			OC60		KX43 KX35		X			
D950S, D1400TD	Alcool	81->85	LX265	LXS37/1			KL222 KL63		X			
D950S, D1400TD	MWM D229/6	79->81	LX973		OC60		KX43 KX35		X			
Dedalus	MWM 4.08 TCE	2005->					KL422		X			
Fox	1.6	03->	LX1779		OC250 OC522 PLUS		KL237		LA120			
Fox Cross/GPR	1.6L 8v	09/06-> 03/08	LX977		OC250 OC522 PLUS		KL635		LA120			
Fox Cross/GPR	1.6L 8v	04/08->	LX998		OC250 OC522 PLUS		KL635		LA120			
Fox Total Flex	1.0L 8v	03->	LX1779		OC250 OC522 PLUS		KL635		LA120			
Fox Total Flex	1.0L VHT	08->	LX1779		OC250 OC522 PLUS				LA120			
Fox Total Flex	1.6L 8v	04/08->	LX998		OC250 OC522 PLUS		KL635 KL237		LA120			
Fox Total Flex	1.6L 8v	01/04-> 03/08	LX977		OC250 OC522 PLUS		KL635 KL237		LA120			
Fox (Gasolina)	1.0L 8v	10/03->	LX1779		OC250 OC522 PLUS		KL237		LA120			
Fusca (Dupla carburação)	VW 1600	93->	LX901				KL222 KL63		X			
Fusca, K.guia (Carburação Simples)	VW 1200, 1300, 1500 Gasolina	62->86	LX903/1				KL63 KL222		X			
Gol	1.0 8V AT	01->04	LX1779		OC250 OC522 PLUS		KL237		LA591			
Gol	1.0 Carburado	95->96	LX909		OC300 OC506 PLUS		KL222 KL63		LA591			
Gol	1.6 16V	96->			OC47 OC522 PLUS		KL237		LA591			
Gol	1.6 CHT	90->95	LX906		OC300 OC506 PLUS		KL222 KL63		LA591			
Gol	1.6, 1.8 AP	97->	LX909		OC47 OC522 PLUS		KL237		LA591			
Gol	1.6, 1.8, 2.0 Carburado	86->95	LX208/1		OC47 OC522 PLUS		KL222		LA591			
Gol	2.0 MPFi	95->97	LX909		OC47 OC522 PLUS		KL2		LA591			
Gol AP EFI	2.0L 16V	01/95-> 12/00			OC47 OC522 PLUS		KL237		LA591			
Gol CFI	1.6, 1.8	95->96	LX208/1		OC47 OC522 PLUS		KL2		LA591			
Gol CFI (Gasolina)	1.6 AP	01/94-> 12/96	LX208/1		OC47 OC522 PLUS			KL223/1	LA591			
Gol CFI (Gasolina)	1.8L AP	01/94-> 12/96	LX208/1		OC47 OC522 PLUS		KL223/1		LA591			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
VOLKSWAGEN											
Gol G4 (Total Flex)	1.0 8V	05->	LX1779		OC250		KL635 KL583 (Plus)		LA591		
Gol G5 (Total Flex)	1.0L 8v VHT	03/08->	LX1779		OC250 OC522 PLUS		KL583 (Plus)		LA120		
Gol G5 (Total Flex)	1.6L 8v	03/08->	LX998		OC250 OC522 PLUS		KL583 (Plus)		LA120		
Gol GT	2.0 EFI	95->	LX909		OC47 OC522 PLUS				LA591		
Gol GTI	2.0 16v	96->	LX684		OC47 OC522 PLUS		KL237		LA591		
Gol GTI	2.0 AP EFI Gas.	01/96- >12/02	LX684		OC47 OC522 PLUS		KL237		LA591		
Gol GTI (Injeção Eletrônica)	AP 2000 MPFI	89->96	LX906		OC47 OC522 PLUS		KL2		LA591		
Gol Plus	1.0 CFI	95->96	LX909		OC300 OC506 PLUS		KL223/1		LA591		
Gol Power	1.0L 16V MI	01->	LX977		OC250 OC522 PLUS		KL237		LA591		
Gol (Álcool)	1.0 8V AT	01/98->	LX208/1		OC250 OC522 PLUS		KL774		LA591		
Gol (Álcool)	1.6 AP	01/94->			OC47 OC522 PLUS		KL774		LA591		
Gol (Álcool)	1.6L AP	01/02- >12/06	LX909		OC47 OC522 PLUS		KL635		LA591		
Gol (Álcool)	1.8 AP CFI	01/94- >12/97			OC47 OC522 PLUS		KL774		LA591		
Gol (Álcool)	1.8 AP EFI	01/97- >12/98			OC47 OC522 PLUS		KL774		LA591		
Gol (Álcool)	2.0 AP	01/94- >12/97			OC47 OC522 PLUS		KL774		LA591		
Gol (Gasolina)	1.0L 16V AT	01/02- >12/06	LX1779		OC250 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.0L 16V AT	01/97- >12/01	LX906		OC250 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.0L 16V AT Turbo	01/02- >12/04	LX906		OC250 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.0L 8V AT	01/96->	LX208/1		OC250 OC522 PLUS		KL223/1 KL237		LA591		
Gol (Gasolina)	1.0L AT Power	01/02->	LX1779		OC250 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.6L AP	01/96->	LX906		OC47 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.8L AP	01/96- >12/02	LX906		OC47 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	1.8L AP	01/04->	LX906		OC47 OC522 PLUS		KL237		LA591		
Gol (Gasolina)	2.0L AP	01/94- >12/01	LX906		OC47 OC522 PLUS		KL223/1		LA591		
Gol (Total Flex)	1.6L AP	01/03->	LX909		OC47 OC522 PLUS		KL635		LA591		





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
VOLKSWAGEN												
Golf	1.6	01->			OC250 OC522 PLUS				LA13- >93 LA31 93->			
Golf	1.6L 8v Importado	01/99- >12/01	LX684		OC522 PLUS	KL79 KL79/3			LAK63			
Golf	1.8L 20v Turbo	01/98- >12/01	LX684			KL79 KL79/3			LAK63			
Golf	2.0L Flex	03/07->	LX684		OC522 PLUS				LAK63			
Golf	2.0L Gasolina	01/99->	LX684		OC522 PLUS	KL79 KL79/3			LAK63			
Golf	2.8 VR6	96->98	LX405			KL2			LA13- >93 LA31 93->			
Golf GL-GLX	1.6, 1.8, 2.0	93->98	LX405		OC47 OC522 PLUS	KL2			LA13- >93 LA31 93->			
Golf III	1.8 - AAM	11/91- >04/99			OC264				LA13- >93 LA31 93->			
Golf III	1.8 - ABS/ADZ	11/91- >04/99			OC264				LA13- >93 LA31 93->			
Golf III	1.8/2.0	95->	LX405		OC264	KL2			LA13- >93 LA31 93->			
Golf III	2.0 GTI 16V - ABF	08/92- >07/97			OC264				LA13- >93 LA31 93->			
Golf III	2.0 i, GTI - 2E, AGG, ABA, AKR	11/91- >07/97			OC264				LA13- >93 LA31 93->			
Golf III, Vento	1.4/1.6/1.8/1.9/2.0/2.8 VR6	->7/93							LA13- >93 LA31 93->			
Golf III, Vento	1.6/1.8/2.0/2.0 16V	08/93- >09/97							LA13- >93 LA31 93->			
Golf Importado	1.6/1.8/1.8T/2.0	94->98	LX684			KL2			LA13- >93 LA31 93->			
Golf IV	1.6 8V Nacional - EA113	98- >05/01	LX684		OC264	KL79			LA13- >93 LA31 93->			
Golf IV	1.6 AEH/ AKL	08/97->	LX684		OC264	KL79			LA13- >93 LA31 93->			
Golf IV	1.8 - EA113	98- >05/01	LX684		OC264	KL79			LA13- >93 LA31 93->			
Golf IV	1.8 Turbo		LX684			KL79			LA13- >93 LA31 93->			
Golf IV	1.8 Turbo - AGU, ARZ, AUM	08/97->	LX684		OC264	KL79			LA13- >93 LA31 93->			
Golf IV	1.8 Turbo - AUQ	09/01->	LX684		OC264	KL79			LA13- >93 LA31 93->			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
VOLKSWAGEN												
Golf IV	2.0 - APK, AEY, AQY, BEH	06/98->	LX684		OC264		KL79		LA13->93 LA31 93->			
Golf IV	2.0 - EA113	01/98->05/01	LX684		OC264		KL79		LA13->93 LA31 93->			
Golf IV	1.8 - AGN	08/97->	LX684		OC264		KL79		LA13->93 LA31 93->			
Golf VR6	2.8	96->98	LX405						LA13->93 LA31 93->			
Golf (nacional)	1.6 8V - EA113	01/98->05/01	LX684		OC264		KL79		LA13->93 LA31 93->			
Golf (nacional)	1.6 8V e 16V - EA111	06/01->	LX977		OC250 OC522 PLUS		KL1-76/6D		LA13->93 LA31 93->			
Golf (nacional)	1.8/ 2.0	06/01->	LX977		OC47 OC522 PLUS				LA13->93 LA31 93->			
Golf (Nacional)	2.0 - EA111	06/01->	LX977						LA13->93 LA31 93->			
Gol, Parati	1.0 16V AT	97->	LX909		OC250 OC522 PLUS		KL237		LA591			
Gol, Parati	1.0 16V Mi	05->	LX977		OC250 OC522 PLUS		KL237		LA591			
Gol, Parati	1.0 16V Turbo	00->	LX909				KL237		LA591			
Gol, Parati	1.0 8V Mi	05->	LX1779		OC250 OC522 PLUS		KL237		LA591			
Gol, Parati Power	1.0 16V AT MI		LX977		OC250		KL237		LA591			
Gol, Parati, Saveiro	1.6 Total Flex	03->	LX909		OC47 OC522 PLUS		KL635		LA591			
Gol, Parati, Saveiro	1.6 / 1.8 AP	97->	LX909		OC47 OC522 PLUS		KL237		LA591			
Gol, Saveiro	1.6 / 1.8	95->96	LX208/1		OC47 OC522 PLUS		KL223/1		LA591			
Gol, Saveiro (Refrigerado a ar)	VW 1300, 1600	->84	LX900/1				KL63 KL222 ⁽²⁾		X			
Gol, Saveiro, Parati, Passat, Voyage	AP1600, AP1800, AP2000	85->94	LX208/1		OC47 OC522 PLUS		KL222 KL63		X			
Gol, Saveiro, Parati, Voyage	AE1000, AE1600	90->95	LX906		OC300 OC506 PLUS		KL222 KL63		X			
Jetta	1.8	85->	LX296		OC264							
Jetta	2.5L 5cil. 20v (150 e 170cv)	09/06->	LX2093		OX379D		KL156/3		LAK18 1			
Kombi	1.4 Total Flex	05->	LX960		OC250 OC522 PLUS		KL583 (Plus)		X			
Kombi	1.8 AP	96->			OC47 OC522 PLUS		KL2		X			
Kombi	VW 1600 AR	83->95	LX272				KL222 KL63		X			
Kombi	VW 1600 MPFI	97->	LX960				KL237		X			
Kombi Diesel	VW 1600	82->	LX200 LX200/1	LXS40/1	OC324		KC18		X			
Kombi EFI (Álcool) Refrig. Ar	1.6L	01/98->12/05	LX960				KL237		X			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
VOLKSWAGEN											
Kombi EFI (Gasolina)	1.6L	01/98- >12/05	LX960				KL237		X		
L80 - Série 8t	MWM 4.10T	01/96- >12/97					KC121/1		X		
Logus	1.6 AE Carburado	93->	LX202		OC300 OC506 PLUS				X		
Logus	1.6 AE Carburado	01/92- >12/94	LX202		OC47 OC522 PLUS		KL774		X		
Logus	1.6 AP CFI Alcool	01/95- >12/96			OC47 OC522 PLUS		KL774		X		
Logus	1.6L AP Gasolina	01/94- >12/96	LX906		OC47 OC522 PLUS		KL223/1		X		
Logus	1.8 AP Alcool	01/92- >12/96			OC47 OC522 PLUS		KL774		X		
Logus	1.8 AP Gasolina	01/92- >12/94			OC47 OC522 PLUS		KL774		X		
Logus	1.8L AP Gasolina	01/94- >12/96	LX906		OC47 OC522 PLUS		KL223/1		X		
Logus	2.0 AP Carburado	01/92- >12/94	LX906		OC47 OC522 PLUS		KL774		X		
Logus	2.0 AP EFI Alcool	01/94- >12/96			OC47 OC522 PLUS		KL774		X		
Logus	2.0 AP EFI Gasolina	01/92- >12/96			OC47 OC522 PLUS		KL774		X		
Logus	AP2000i Injeção	93->	LX906		OC47 OC522 PLUS		KL2		X		
New Beetle	2.0	98->	LX684		OC264		KL79		LA31		
New Beetle	2.0	09/01->					KL1- 76/6D		LA31		
New Beetle / New Beetle Cabrio	2.0L 8v - AEG, APK, AQY, AZJ	01/99->	LX684		OC522 PLUS		KL79 KL79/3		LAK63		
Padron 16180	MWM 6.10T	92	LX265	LXS37/1	OC35		KC113		X		
Parati Multipoint (Gasolina)	2.0L 16V AP	02/96- >07/00			OC47 OC522 PLUS		KL237		LA591		
Parati (Álcool)	1.6 AP CFI	01/95- >12/97			OC47 OC522 PLUS		KL774		LA605		
Parati (Alcool)	1.6 AP EFI	01/97- >12/06			OC47 OC522 PLUS		KL774		LA605		
Parati (Álcool)	1.6L AP	06/02- >12/06	LX909		OC47 OC522 PLUS		KL635		LA591		
Parati (Álcool)	1.8 AP CFI	01/95- >12/97			OC47 OC522 PLUS		KL774		LA605		
Parati (Alcool)	1.8 AP EFI	01/97- >12/98			OC47 OC522 PLUS		KL774		LA605		
Parati (Alcool)	2.0 AP EFI	01/95- >12/98			OC47 OC522 PLUS		KL774		LA605		
Parati (Gasolina)	1.0L 16V AT	01/02- >12/06	LX1779		OC250 OC522 PLUS		KL237		LA591		
Parati (Gasolina)	1.0L 16v AT	01/97- >12/04	LX906		OC250 OC522 PLUS		KL237		LA591		
Parati (Gasolina)	1.0L 16V AT Power	01/97- >12/02	LX1779		OC250 OC522 PLUS		KL237		LA591		
Parati (Gasolina)	1.0L 16v Turbo	01/00- >05/02	LX906		OC250 OC522 PLUS		KL237		LA591		





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
VOLKSWAGEN												
Parati (Gasolina)	1.6L AP	01/95->12/96	LX208/1		OC47 OC522 PLUS		KL223/1		LA591			
Parati (Gasolina)	1.6L AP	01/96->	LX906		OC47 OC522 PLUS		KL237		LA591			
Parati (Gasolina)	1.8L AP	01/95->12/96	LX208/1		OC47 OC522 PLUS		KL223/1		LA591			
Parati (Gasolina)	1.8L AP	01/97->	LX906		OC47 OC522 PLUS		KL237		LA591			
Parati (Gasolina)	2.0L AP	01/95->	LX906		OC47 OC522 PLUS		KL237 KL223/1		LA591			
Parati (Total Flex)	1.6L AP	11/06->	LX909		OC47 OC522 PLUS		KL635		LA591			
Parati (Total Flex)	1.8L AP	01/05->	LX909		OC47 OC522 PLUS		KL635		LA591			
Passat	1.8E, 2.0E, 2.0 16V, VR6	08/94->09/96							LA44			
Passat	3.2L V6 (AXZ)	06->			OX188D							
Passat	3.6L FSI (BWS)	09/07->			OX188D							
Passat (3A2/5, 35l)	2.0 16V - ABF	01/94->05/97			OC264				LA44			
Passat (3A2/5, 35l)	2.0 GT 16V - 9A	08/88->09/93			OC264				X			
Passat (3B2/3B5)	1.8T - AEB, ANB, APU	10/96->12/00	LX448		OC264				LA45			
Passat (3B3/3B6)	1.8T - AWT	11/00->09/05	LX448		OC264				LA45			
Passat (3B3/3B6)	2.0 - AZM	11/00->09/05	LX448		OC264				LA45			
Passat/Variant	1.8/1.8T/2.0T	98->	LX448		OC47 OC522 PLUS		KL2		LA31			
Passat/Variant	VR6 2.8L	98->00	LX448				KL2		LA31			
Passat/Variant	VR6 2.8L	97					KL2		LA31			
Passat/Variant	VR6 2.8L	->95					KL2		LA31			
Passat/Variant L	2.0	95->97			OC47 OC522 PLUS		KL2		LA31			
Pointer	1.6 Carburado	01/92->12/94					KL774		X			
Pointer	1.8 AP	01/93->12/94			OC47 OC522 PLUS		KL774		X			
Pointer	1.8 AP CFI Alcool	01/93->12/94			OC47 OC522 PLUS		KL774		X			
Pointer	2.0 AP Carburado	01/93->12/94			OC47 OC522 PLUS		KL774		X			
Pointer	2.0 AP Carburado	01/94->12/96			OC47 OC522 PLUS		KL774		X			
Pointer	AP1800, AP2000	93->	LX906		OC47 OC522 PLUS		KL2		X			
Pointer AP CFI (gasolina)	1.8L	01/94->12/96	LX906		OC47 OC522 PLUS		KL223/1		X			
Pointer AP EFI (gasolina)	2.0L	06/94->12/96	LX906		OC47 OC522 PLUS		KL223/1		X			
Pointer GTI	AP2000	93->	LX906		OC47 OC522 PLUS		KL2		X			
Polo	1.0 16V (ARA)	01/02->12/05	LX977		OC250 OC522 PLUS		KL1-76/6D		LA120			





APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°				
VOLKSWAGEN												
Polo	1.4	03/02->	LX977		OC250 OC522 PLUS				LA120			
Polo	1.6 8V	03/02->	LX977		OC250 OC522 PLUS	KL583 (Plus) KL84			LA120			
Polo	1.6 8V Total Flex (BPA)	11/04- >12/07	LX977		OC250 OC522 PLUS				LA120			
Polo Classic	1.8 AP (MY6 / MY5)	06/98- >12/03	LX418		OC47 OC522 PLUS	KL583 (Plus) KL84			LA31			
Polo Classic CD	1.8 AP (MJ2)	12/96- >05/98	LX418		OC47 OC522 PLUS	KL60			LA31			
Polo GTI Turbo	1.8 (BJX)	01/06->	LX708		OC522 PLUS				LA120			
Polo III (6N2/KV2+5)	1.6 - AUR	10/99- >11/01			OC522 PLUS	KL583 (Plus)			LA120			
Polo IV	1.6 8V (BAH)	01/02- >12/06	LX977		OC250 OC522 PLUS	KL1- 76/6D			LA120			
Polo Total Flex	1.6L 8v	05/08->	LX998		OC250 OC522 PLUS				LA120			
Polo (Hatch/Sedan)	2.0 (BBX)	01/02- >07/06	LX708 LX709		OC522 PLUS				LA120			
Porsche 911	2.7		LX228						X			
Quantum	1.6 AP CFI Alcool	01/94- >12/97			OC47 OC522 PLUS	KL774			X			
Quantum	1.8 AP EFI Alcool	01/97- >12/01			OC47 OC522 PLUS	KL774			X			
Quantum	2.0 AP EFI Alcool	01/94- >12/01			OC47 OC522 PLUS	KL774			X			
Santana	1.8 AP CFI Alcool	01/94- >12/97			OC47 OC522 PLUS	KL774			X			
Santana	2.0 AP EFI Alcool	01/94- >12/06			OC47 OC522 PLUS	KL774			X			
Santana, Quantum	1.8 carburado	84->94	LX208/1		OC47 OC522 PLUS	KL2 KL222			X			
Santana, Quantum	2.0 carburado	90->94	LX906		OC47 OC522 PLUS				X			
Santana, Quantum	2.0 Injeção Bosch EFI 4 injetores - gasolina	90->94	LX906		OC47 OC522 PLUS	KL2			X			
Santana, Quantum	Todos Injeção Marelli CFI 1 injetor - gasolina	93->96			OC47 OC522 PLUS	KL223/1			X			
Santana, Quantum	Todos Injeção Marelli MI 4 injetores - gasolina	94->	LX906		OC47 OC522 PLUS	KL237			X			
Santana, Quantum (Gasolina)	1.8L AP	01/93- >12/96	LX208/1		OC47 OC522 PLUS	KL223/1			X			
Santana, Quantum (Gasolina)	1.8L AP	01/96- >12/01	LX906		OC47 OC522 PLUS	KL237			X			
Santana, Quantum (Gasolina)	2.0L AP	01/93- >09/96	LX906		OC47 OC522 PLUS	KL223/1			X			
Santana, Quantum (Gasolina)	2.0L AP	10/96- >12/01	LX906		OC47 OC522 PLUS	KL237			X			
Saveiro	2.0	98->	LX909		OC47 OC522 PLUS				LA605			
Saveiro G5 (Total Flex)	1.6L 8v	01/10->	LX998		OC250 OC522 PLUS	KL583 (Plus)			X			





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º				
VOLKSWAGEN												
Saveiro (Álcool)	1.6 AP EFI	01/97- >12/06			OC47 OC522 PLUS		KL774		LA605			
Saveiro (Álcool)	2.0 AP	01/97->			OC47 OC522 PLUS		KL774		LA605			
Saveiro (Gasolina)	1.6L AP	01/98->	LX906		OC47 OC522 PLUS		KL237		LA591			
Saveiro (Gasolina)	1.6L EFI	01/96- >12/97	LX906		OC47 OC522 PLUS		KL237 KL237/1		LA605			
Saveiro (Gasolina)	1.8L AP	01/96->	LX906		OC47 OC522 PLUS		KL237		LA591 LA605			
Saveiro (Gasolina)	2.0L AP	01/96- >12/02	LX906		OC47 OC522 PLUS		KL237		LA591			
Saveiro (Total Flex)	1.8L AP	01/03->	LX909		OC47 OC522 PLUS		KL635		LA591			
Saveiro (Total Flex)	2.0L AP	01/02- >12/05	LX906		OC47 OC522 PLUS		KL237		LA591			
Sp2, TC, TL, Variant, Variant II	VW 1600	75->81					KL63 KL222 ⁽²⁾		LA605			
SpaceFox Total Flex	1.6L 8v	01/06- >03/08	LX977		OC250 OC522 PLUS		KL635		LA120			
SpaceFox Total Flex	1.6L 8v	04/08->	LX998		OC250 OC522 PLUS		KL635		LA120			
Transporter/ Bus (T4)	2.0 (T4, 70) - AAC	07/90- >06/03			OC264				X			
Van	1.6	99->	LX418		OC47 OC522 PLUS		KL60 KL60/2		X			
Van LT2C	MWM Sprint 4.07TCA				OC404				X			
Vento	1.8 - AAM	11/91- >10/98			OC264				LA13- >93 LA31 93->			
Vento	1.8 - ABS/ADZ	11/91- >10/98			OC264				LA13- >93 LA31 93->			
Vento	1.8/2.0	95->	LX405						LA13- >93 LA31 93->			
Vento	2.0 - AGG, ABA, AKR, 2SE	11/91- >10/98			OC264				LA13- >93 LA31 93->			
Vento	2.0 16V - ABF	01/92- >10/98			OC264				LA13- >93 LA31 93->			
Vento VR6	2.8/2.9		LX405						LA13- >93 LA31 93->			
Voyage Total Flex	1.0L 8v VHT	09/08->	LX1779		OC250 OC522 PLUS		KL583 (Plus)		LA120			
Voyage Total Flex	1.6L 8v	09/08->	LX998		OC250 OC522 PLUS				LA120			
VW7100	MWM 410	94->96	LX910	LXS37/1			KC18	KC18	X			
VW8140	MWM 410	94->96	LX910	LXS37/1			KC18		X			

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
VOLVO											
240	2.3 Turbo Inj.	88->90									
240		11/78->									
240 B21ET	Turbo	82->90									
240 B230F (DL/GL)	2.3L 2316cc L4	09/84->08/93	LX59								
240 D20/D24	Diesel	79->									
260 B27A	V6	74->									
260 B27E	V6	74->									
260 B28E	V6	74->									
340 B14/B14E/ B17		5/84->10/91									
340 B19A/B200K		81->									
360 B19A		76->4/84									
360 B19E		79->4/84									
360 B200K		9/82->5/89									
4300	TD 42	01/77->10/82	LX265	LXS37/1							
440	1.9 Turbo Diesel	6/94->									
460	1.9 Turbo Diesel	9/94->									
520C	Deutz F4L 1011F (41)56	01/97->	LX1687/1	LXS259							
740/760 D24	Diesel	8/86->9/90									
740/760 T24D	Diesel	8/86->9/90									
780 B20E Automatico	2.0		LX414								
780 B28E	2.8 V6	89->	LX414								
850	2.0 (B 5204 F)	04/92->12/96									
850	2.3 T5-R (B 5234 FT+)	08/95->12/96									
850	2.3 T5 (B 5234 FT)	08/93->07/96									
850 4WD	2.5 (B 5254 T)	04/96->12/96									
940 D24T	Turbo Diesel	10/90->8/94									
940 (944)	2.0 (B 200 F)	01/92->07/94									
940 (944)	2.3 (B 230 FB)	08/90->12/94									
940 (944)	2.3 (B 230 FD)	08/92->07/94									
960 3.0 (964)	B 6304 F	08/90->07/94									
A25	Cummins 6CTA-8.3		LX241	LXS43/1							
AQAD 40/40B, AQD 40/40A, MD40A, TMD40A			LX59								
B10 EDC (6x2)	Volvo DH 10A320	97->	LX93								
B10M 340 EDC	Volvo DH10A340	01/98->	LX93	LXS7233							
B10M ECO Articulado Automático	Volvo THD102KF	01/97->	LX93	LXS7233							
B10M EDC (4x2)	Volvo DH 10A320	97->	LX93								
B10M (4x2) - (6x2)	Volvo THD101KC	87->	LX93	LXS7233							
B10M245EDC Urbano Manual / Bi-Articulado	Volvo DH10A245	01/98->	LX93	LXS7233							





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º	1º	2º		
VOLVO												
B10M285EDC / Articulado/ Bi-Articulado Automático	Volvo DH10A285	01/98->	LX93	LXS7233	OC121 OC282(By Pass)	KC75 KC123/1			X	HX15		AL12- DESUM.
B10M310 (6x2) - (4x2)	Volvo THD 101KC	98->	LX93	LXS7233	OC121 OC282(By Pass)	KC75 KC123/1			X	HX15		AL12- DESUM.
B10M, 58 Intercooler	THD 101KL	93->	LX93		OC121 OC282(By Pass)	KC24 KC6D			X			AL12- DESUM.
B10R	Volvo THD100D / THD102KF	06/78-> 09/92	LX93	LXS7233	OC121 OC282(By Pass)	KC75 KC123/1			X	HX15		AL12- DESUM.
B12 / B12B	Volvo TD122FL	95->	LX1098 LX1098/1	LXS7233	OC121 OC282(By Pass)	KC75 KC123/1			X	HX15		AL12- DESUM.
B12360	Volvo TD122FH	95->	LX1098 LX1098/1	LXS7233	OC121 OC282(By Pass)	KC75 KC123/1			X	HX15		AL12- DESUM.
B12M 340 (Articulado)	DH12D340	01/04->	LX1055	LXS7231	OC121 OC282(By Pass)	KC251			X	HX15		AL12- DESUM.
B12M 340 (Bi-Articulado)	DH12D340	01/04->	LX1055	LXS7231	OC121 OC282(By Pass)	KC251			X	HX15		AL12- DESUM.
B12M340, B12R340, B12R380, B12R420, B7R230, B7R260, NL10280, NL10310, NL10320, NL10340			LX1055 LX1055/1	LXS7231					X			
B12R 340	D12D340	01/03->	LX1055	LXS7231	OC121 OC282(By Pass)	KC251			X	HX15		AL12- DESUM.
B12R 380	D12D380	01/03->	LX1055	LXS7231	OC121 OC282(By Pass)	KC251			X	HX15		AL12- DESUM.
B12R 420	D12D420	01/03->	LX1055	LXS7231	OC121 OC282(By Pass)	KC251			X	HX15		AL12- DESUM.
B58	Volvo THD 101GD	97->	LX93		OC121 OC282(By Pass)	KC24 KC6D			X	HX15		AL12- DESUM.
B58 ECO Automático	Volvo THD 102 KF	97->	LX93		OC121 OC282(By Pass)	KC24			X	HX15		
B58 (Articulado/Bi-Articulado)	THD101GC-GD-KB	01/89->	LX93	LXS7233	OC121 OC282(By Pass)	KC24 KX89/2D			X	HX15		AL12- DESUM.
B58 (Eco/Articulado)	THD102KF	01/89->	LX93	LXS7233	OC121 OC282(By Pass)	KC24 KX89/2D			X	HX15		AL12- DESUM.
B58E Bi-Articulado/ B58 ECO	Volvo THD 101KB	97->	LX93		OC121 OC282(By Pass)	KC24			X	HX15		
B58, 58E Urbanos, rodoviários e articulados	THD 100D-100E	80->			OC30	KC24 KC6D			X			
B59T	THD100A	03/71-> 09/72	LX93	LXS7233	OC121	KC24 KX89/2D			X	HX15		
B7R	D7B 260		LX1070	LXS261		KC123/1			X			
B7R 230	Volvo D7B 230	98->	LX1055 LX1055/1	LXS7231	OC121 OC282(By Pass)	KC75 KC123/1	KC124		X			AL12- DESUM.
B7R 285	Volvo D7A 285	98->	LX1055 LX1055/1	LXS7231	OC121 OC282(By Pass)	KC75 KC123/1	KC124		X			AL12- DESUM.
B7R Rodoviário	D7A 285	08/02->	LX1070	LXS261	OC121	KC75			X			AL12- DESUM.
B7R Urbano	D7B 230/ D7B260	08/02->	LX1070	LXS261	OC121	KC75			X			AL12- DESUM.
Caminhão - N10 / NL10 / N12 / NL12 (todos)									LA656			
Caminhão NH - (todos)	D12C / D12D		LX1281	LXS282					LA138			
Champ. 710 Motoniveladora	Cummins 5.9 B					KC6D			X			
FH 12 Globetrotter	Volvo Nacional	98->	LX1281	LXS282	OC121 OC282(By Pass)	KC75	KC124		LA653	HX15		




APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1º	2º	1º	2º	1º	2º			
VOLVO											
FH 12 Globetrotter - Volvo Importado	D12A	94->	LX832		OC121 OC282(By Pass)		KC75		LA653		
FH 12.340	D12A/B/C/D	08/93-> 03/02					KC124/1				
FH 12.340	D12C	01/01->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX15 HX77	AL12- DESUM.
FH 12.340	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.380	D12A	01/94->			OC121 OC282(By Pass)		KC75 KC124/1			HX77 HX15	AL12- DESUM.
FH 12.380	D12C	01/98->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX15 HX77	AL12- DESUM.
FH 12.380	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.380 Globetrotter	TD12A	98->			OC121 OC282 (BY PASS)				X		
FH 12.380 Globetrotter	TD12A	93->97	LX832		OC121 OC282(By Pass)				X		
FH 12.380 Globetrotter	TD12A	98->	LX1281	LXS282	OC121 OC282(By Pass)				X	HX15	
FH 12.400	D13A	11/06->	LX1281	LXS282	OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.420	D12A	01/96->			OC121 OC282(By Pass)		KC75 KC124/1		LA653	OC204 HX15 HX77	AL12- DESUM.
FH 12.420	D12C	01/98->			OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX77 HX15	AL12- DESUM.
FH 12.420	D12D	01/03->			OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.440	D13A	11/06->	LX1281	LXS282	OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.460	D12D	01/04->	LX1281	LXS282	OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.480	D13A	11/06->	LX1281	LXS282	OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FH 12.520	D13A	11/06->	LX1281	LXS282	OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 10		99->00			OC121		KC75 KC128 KC123		X		AL12- DESUM. WFC1- REFRIG.
FM 12		2004->			OC121 OC282(By Pass)		KC75 KC128 KC123		LA653		AL12- DESUM. WFC1- REFRIG.
FM 12		99->			OC121 OC282(By Pass)		KC75 KC128 KC123		LA653		AL12- DESUM. WFC1- REFRIG.
FM 12.340	D12C	01/00->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		LA653	OC204 HX15 HX77	AL12- DESUM.
FM 12.340	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.380	D12C	01/01->	LX1587		OC121 OC282(By Pass)		KC75 KC123/1		LA653	OC204 HX15 HX77	AL12- DESUM.
FM 12.380	D12D	01/03->			OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.400	D13A	11/06->			OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.





(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR								HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°			
VOLVO											
FM 12.420	D12C	01/00->			OC121 OC282(By Pass)		KC75 KC123/1		LA653	OC204 HX15 HX77	AL12- DESUM.
FM 12.420	D12D	01/03->			OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.440	D13A	11/06->			OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.460	D12D	01/04->			OC121 OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.480	D13A	11/06->			OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
FM 12.480 (6x2) D12C 380	TURBO E INTERCOOLER	2001->	LX1587		OC121 OC282(By Pass)		KC75 KC128 KC123		LA653		AL12- DESUM. WFC1- REFRIG.
FM 12.520	D13A	11/06->			OC282(By Pass)		KC251		LA653	HX77 HX15	AL12- DESUM.
L50	Volvo		LX236	LXS41/1	OC308				X		
L70	TD 45 B	01/86- >10/93	LX265	LXS37/1			KC24 KC6D		X		
LS80	Volvo		LX273	LXS44/1	OC121		KC113		X		
N10 H/XH/XHT	TD101F/TD101G	01/84->	LX93	LXS7233	OC121		KC24 KX89/2D		X	HX15	
N1016 / N1020 / N1033	TD100A/TD100G	01/80->	LX93	LXS7233	OC121		KC24 KX89/2D		X	HX15	
N10H, XH, XHT, N12H, XH, XHT	TD 100A-101G-120GA	80->	LX93		OC121		KC24 KC6D		X		LX1102
N10, 12 Turbo Intercooler	T 101F-G-TD 121F	93->	LX1098 LX1098/1		OC121		KC24 KC6D		LA656		LX1102
N10, N12 4X2 - 4X6 - Intercooler I - II	T101F - G - TD 121F	80->			OC121		KC24 KC24		LA656		LX1102
N12 H/XH/XHT	TD121G	01/84->	LX93	LXS7233	OC121		KC24 KX89/2D		X	HX15	
N1220 / N1223	TD120GA	01/81->	LX93	LXS7233	OC121		KC24 KX89/2D		X	HX15	
NH 12.340	D12C	99->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	HX77 HX15	AL12- DESUM.
NH 12.340	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251			HX77 HX15	AL12- DESUM.
NH 12.340 / 360 / 380	EDC Gold 123/E/ES - Inj. Elet.	98->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC124		LA138	HX15	AL12- DESUM.
NH 12.380	D12C	01/98->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX15 HX77	AL12- DESUM.
NH 12.380	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251			HX77 HX15	AL12- DESUM.
NH 12.420	D12C	01/98->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX15 HX77	AL12- DESUM.
NH 12.420	D12D	01/03->	LX1281	LXS282	OC121 OC282(By Pass)		KC251			HX77 HX15	AL12- DESUM.
NH 12.460	D12C	07/99->	LX1281	LXS282	OC121 OC282(By Pass)		KC75 KC123/1		X	OC204 HX15 HX77	AL12- DESUM.
NH 12.460	D12D	01/04->	LX1281	LXS282	OC121 OC282(By Pass)		KC251			HX77 HX15	AL12- DESUM.
NL 10.280 / 340	TD101 / TD102	89->97	LX1055 LX1055/1	LXS7231	OC121		KC24 KC24		LA656		LX1102
NL 10.280 / 340	TD101 / TD102	98->			OC121		KC24 KC24		LA656		LX1102
NL 10.280 / 340	TD101G / TD102FS	91->	LX1055 LX1055/1	LXS7231	OC121		KC24 KC6D KX89/2D		LA656		LX1102
NL 10.310	TD102FT	01/93->					KX89/2D		X		
NL 10.320 D10A/ 12.360 TD123E / 12.140 TD123ES / NL320 D10A	Todos EDC Gold	98->	LX1055 LX1055/1	LXS7231	OC121 OC282(By Pass)		KC75 KC124		LA656	HX15	AL12- DESUM.

APLICAÇÃO / APPLICATION	MOTOR / ENGINE	ANO / YEAR									HIDRÁULICO/ HYDRAULIC	OUTROS/ OTHER
			1°	2°	1°	2°	1°	2°	1°	2°		
VOLVO												
NL 10.320 / 12.360 / 12.410 EDC		96->97	LX1055	LXS7231	OC121		KC24		LA656			
			LX1055/1				KC123/1					
NL 12.400 Intercooler	TD122FS	93->	LX1055	LXS7231	OC121		KC24		LA656			
			LX1055/1				KX89/2D					
NL 12.410	TD122FR	01/93->					KX89/2D		X			
NL 360					OC121		KC24		LA656			
							KC6D					
S40	1.9 Turbo Diesel	6/96->					KC24					
							KC6D					
S70	2.3 T-5 (B 5234 T3)	01/97-> >12/00			OC204							
V40	1.9 Turbo Diesel	6/96->					KC24					
							KC6D					
V70 TDI	2.5 inj.	97->					KC18					
VM		2003->							LA660			
VM 15210	MWM5A206	01/05->	LX1313/1	LXS312	OC121					HX77		AL12- DESUM.
										HX15		
VM 17210	MWM6A206	01/04->	LX1313/1	LXS312	OC121		KC75		LA660	HX77		AL12- DESUM.
							KC123/1			HX15		
VM 17240	MWM6A240	01/04->	LX1313/1	LXS312	OC121		KC75			HX77		AL12- DESUM.
							KC123/1			HX15		
VM 23210	MWM6A206	01/04->	LX1313/1	LXS312	OC121		KC75		LA660	HX77		AL12- DESUM.
							KC123/1			HX15		
VM 23240	MWM6A240	01/04->	LX1313/1	LXS312	OC121		KC75			HX77		AL12- DESUM.
							KC123/1			HX15		
VM 260	MWM7A260	01/05->	LX1313/1	LXS312	OC121					HX15		AL12- DESUM.
										HX77		
VM 310	MWM7A310	01/05->	LX1313/1	LXS312	OC121					HX15		AL12- DESUM.
										HX77		
VOLVO 11036607-7, DONALD- SON P164378									X	HC102		
WORTHINGTON												
160D	MB OM314	83	LX200				KX43		X			
			LX200/1				KX35					
900	Cummins NRTO6NT 855 C310				OX198D		KX43		X			
					OX218D		KC133					
YAMAHA												
YBR E	125cc	2000->	LX3110									
YBR Factor	125cc	2008->	LX3110									
YANMAR												
1040,1050,1050D	Motor estacionário						KX90		X			
1050 HD	BTB 33D	94	LX275	LXS5/1			KX23	KX23	X			
TNE-SÉRIE 4- TNE94E-SA/G1A (Aplicação Industrial)			LX2959						X			
TNE-SÉRIE 4- TNE98E-SA/G1A (Aplicação Industrial)			LX2959						X			
ZF												
Caixa de Direção Nacional									X	HX15		

(1) Tipo Exportação

(2) Opcional

(3) Com Ar

(4) Sem Ar



FILTRO DO AR PARA CABINE
PASSENGER COMPARTMENT AIR FILTER
FILTRO DE AIRE PARA HABITÁCULO

FILTRO DO COMBUSTÍVEL - SEPARADOR DE ÁGUA
FUEL FILTER - WATER SEPARATOR
FILTRO DE COMBUSTIBLE - SEPARADOR DE AGUA

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



ALFA ROMEO

145	03/98->	LA34(3)
145	96->	LA34
145, 146	08/94->	LA34(3)
155	93->	LA34(3)
155	95->	LA34
156	00->	LA56
156	10/97->	LA56
156/156 Sportage (SW/CA)	01/03->12/03	LA56
Spider GTV	95->	LA34

AUDI

100	10/82->88	LA45
100	07/84->12/90	LA45
100	90->94	LA45
100 (4A, C4)	01/93->12/95	LA46 LAK46
80	94->	LA45
80	07/90->06/92	LA45
80	11/91->09/93	LA45
80	08/92->03/95	LA45
80	10/94->12/95	LA45
80 (80-89, 8A/C, B1-B4)	08/92->12/94	LA45
80 (80-89, 8A/C, B1-B4)	09/91->12/94	LA45
80 CD/SE	07/84	LA45
80 E/SE	04/94->03/95	LA45
80 E/SE	09/90->11/91	LA45
80 E/SE	09/92->03/95	LA45
80 Quattro (85Q, 89Q, 8A/C, B4)	09/91->12/94	LA45
80 Quattro (85Q, 89Q, 8A/C, B4)	08/92->05/95	LA45
81 (80-89, 8A/C, B1-B4)	07/92->02/96	LA45
A3	12/96->	LA31
A3	06->	LA31
A3	05/03->	LA31
A3	09/96	LA31
A3	96->	LA31
A3	96->	LA31
A3	96->	LA31
A3 (8L)	01/99->12/03	LAK63
A3 I (8L1)	12/96->	LA31
A3 I (8L1)	06/00->	LA31

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



AUDI

A3 I (8L1)	09/96->	LA31
A3 I (8L1)	12/96->	LA31
A3 Turbo	12/96->	LA31
A4	10/94->08/95	LA45
A4	95->	LA45
A4	03/95->	LA45
A4	10/94->	LA45
A4	08/97->	LA45
A4	03/96->	LA45
A4	97->	LA45
A4 (B5/8D2, 8D5)	01/95-09/01	LA45
A4 (B5/8D2, 8D5)	01/95-09/01	LA45
A4 (B5/8D2, 8D5)	04/95-09/01	LA45
A4 (B5/8D2, 8D5)	01/95-09/01	LA45
A4 (B5/8D2, 8D5)	12/97-09/01	LA45
A4 Cambio Multitronic	01/03->12/04	LA45
A4 Todos	11/94->	LA45
A4 Turbo	10/94->	LA45
A4 Turbodiesel	93->	LA45
A6	96->5/97	LA46
A6	06/94->12/95	LA46
A6	08/94->	LA46
A6	96->	LA46
A6	05/97->	LA46
A6	08/94->05/97	LA46
A6 (4A, 4B, C4, C5)	06/94->02/97	LA46
A6 (4A, 4B, C4, C5)	06/94->02/97	LA46
A6 (4A, 4B, C4, C5)	06/94->02/97	LA46
A6 (4A, 4B, C4, C5)	06/94->02/97	LA46
A6 (4B/C5)	01/98->12/03	LA46 LAK46
A6 (4B/C5)	01/99->12/01	LA46 LAK46
A6 (4B/C5)	01/00->12/01	LA46 LAK46
A6 (4B/C5)	01/97->12/01	LA46 LAK46
A6 (4B/C5)	01/99->12/01	LA46 LAK46
A6 (4B/C5)	01/95->12/97	LA46 LAK46
A6 (4B/C5)	01/02->	LA46 LAK46
A6 C4	94->97	LAK58
A6 Multitronic	01/02->	LA46
A6 Quattro (4B/C5)	06/94->07/97	LA46 LAK46
A6 Quattro (4B/C5)	10/01->12/01	LA46 LAK46

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AUDI

A6 Quattro (4B/C5)	01/00->12/04	LA46 LAK46
A6 Quattro (4B/C5)	01/01->12/01	LA46 LAK46
A6 Quattro (4B/C5)	01/01->12/01	LA46 LAK46
A6 Todos, S6 Todos	04/97->	LA46
A6 Turbo	04/97->	LA46
A6 Turbodiesel	05/97->	LA46
Allroad I (4BH)	01/01->12/05	LA46 LAK46
TT	10/98->	LA31
TT	99->06	LA31
TT (8N3, 8N9)	10/98->	LA31
TT (8N3, 8N9)	10/98->	LA31

BMW

X5 (E53)	06/00->	LAK62
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CARRIER

Sistema Carrier - Ônibus Rodoviário		LA695
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CASE

7000 (Colheitadeira de Cana)		LA610
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CHERY

TIGGO	2010->	LA632
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CHRYSLER

PT Cruiser	1/01->	LA180
PT Cruiser / PT Cruiser Cabrio	04/00->	LA180

CITROËN

Aircross GL/GLX	2010->	LA138
Berlingo	07/00->	LA8
Berlingo	07/00->	LA8
Berlingo	10/00->	LA8
Berlingo	99->	LA8(3)
Berlingo	10/96->12/02	LA8(3)
Berlingo	08/98->12/02	LA8(3)
Berlingo	12/97->12/02	LA8(3)
Berlingo	10/00->10/02	LA8
Berlingo	->98	LA8

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CITROËN

Berlingo MultSpace GLX	01/05->	LA8
BX 16	03/86->02/93	LA8(3)
BX 19 Break	06/88->	LA8(3)
BX 19 Break	06/88->	LA8(3)
BX 19 GTi 16V	09/87->12/88	LA8(3)
BX 19 GTi 16V	03/88->02/93	LA8(3)
C2	09/03->	LA138
C2	09/03->	LA138
C2	09/03->	LA138
C3	02/02->	LA138
C3	06->	LA138
C3	02/02->	LA138
C3	02/02->	LA138
C3 (Pluriel/XTR Exclusive/GLX)		LA138
C3 (Pluriel/XTR)	01/03->	LA138
C3 (Pluriel/XTR)	01/02->	LA138
C3 (Pluriel/XTR/Exclusive/GLX)	01/07->	LA138
C4 (Pallas)	08/07->	LA138
C4 (VTR)	01/07->	LA138
Jumper	12/96->03/02	LA123
Jumper	01/00->	LA123
JUMPER	01/05->	LA123
Jumper	03/02->	LA123
Jumper (Relay)	02/94->03/02	LA123
Jumper (Relay)	12/96->03/02	LA123
Jumper (Relay)	02/02->	LA123
Jumper (Relay)	08/94->12/00	LA123
Jumper (Relay)	11/96->12/00	LA123
Jumper I (Realy) - (Bosch)	02/94->03/02	LA123
Jumper I (Realy) - (CAV)	07/99->03/02	LA123
Jumper TD	94->00	LA123
Xantia	04/97->	LA8(3)
Xantia	07/93->10/96	LA8
Xantia	07/93->	LA8
Xantia	95->06/96	LA8
Xantia	01/97->	LA8(3)
Xantia	09/97->	LA8
Xantia	94->	LA8(3)
Xantia	06/97->	LA8
Xantia/Furio ZX	94->	LA8(3)



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CITROËN

Xsara	07/00->09/00	LA8
Xsara	01/01->	LA8
Xsara	09/00->	LA8
Xsara	10/97->09/00	LA8(3)
Xsara	09/00->	LA8
Xsara	07/00->09/00	LA8
Xsara	01/01->	LA8
Xsara	01/01->	LA8
Xsara	->98	LA8
Xsara	98->	LA8
Xsara	11/97->	LA8
Xsara	01/97->12/00	LA8
Xsara	10/00->	LA8
Xsara	09/97->	LA8
Xsara (Break/GLX/Exclusive)	01/01->12/03	LA8
Xsara Exclusive (Aut./Mec.)	01/01->12/01	LA8
Xsara GLX (Aut./Mec.)	01/01->12/01	LA8
Xsara Picasso	06->	LA153
Xsara Picasso	12/99->	LA153
Xsara Picasso	01/00->	LA153
Xsara Picasso		LA153
Xsara Picasso (Brasil/Etoile/GLX)	01/01->	LA153
Xsara Picasso (Brasil/Etoile/GLX/Autom.)	01/01->	LA153
Xsara Picasso (Exclusive/GLX)	01/05->	LA153
Xsara VTS	01/01->12/02	LA8
Xsara XS	10/97->09/00	LA8(3)

CUMMINS

NH 743 C 220		LA138
NH 743 P 220		LA138

DENSO

Sistema Denso - Ônibus Rodoviário		LA690
Sistema Denso - Ônibus Rodoviário		LA689
Sistema Denso - Ônibus Rodoviário (Fresh Air)		LA694
Sistema Denso - Ônibus Rodoviário (Fresh Air)		LA691

DODGE

Journey	08->	LA569
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FIAT

Modelo	ANO / YEAR	Filtro
Brava	99->	LA56
Brava	10/95->	LA56
Coupe	04/94->	LA34(3)
Doblò / Doblò Cargo	01/02->12/05	LA144
Doblò / Doblò Cargo	2010->	LA144
Doblò / Doblò Cargo	01/04->12/06	LA144
Doblò / Doblò Cargo	01/06->	LA144
Doblò / Doblò Cargo	01/02->12/06	LA144
Doblò Adventure	03->	LA144
Doblò Adventure Flex (Locker)	11/09->	LA144
Doblò ELX	11/09->	LA144
Ducato	2009->	LA123
Ducato	01/06->	LA123
Ducato	02->	LA123
Ducato	98->	LA123
Ducato 10	98->	LA123
Ducato 10	98->	LA123
Ducato 15	98->	LA123
Ducato 15	97->	LA123
Ducato 8	98->	LA123
Ducato 8/ 10 Cabinato/ Maxi14/ Van14	97->	LA123
Ducato 94	07/94->03/02	LA123
Fiat Iveco Daily	01/98->	LA123
Freemont	11->	LA569
Idea	01/06->	LA422 LAK422
Idea	01/06->	LA422 LAK422
Linea	11/08->	LA612 LAK612
Linea (Dualogic/Absolute)	11/08->	LA612 LAK612
Linea (LX/HLX/ LX Dualogic / HLX Dualogic)	01/10->	LA612 LAK612
Linea (LX/HLX/Absolute)	09/10->	LA612 LAK612
Marea	06->07	LA56
Marea	99->	LA56
Marea	00->	LA56
Marea / Weekend	05->	LA56
Marea / Weekend	98->	LA56
Marea / Weekend	99->	LA56
Marea / Weekend	00->	LA56
Marea / Weekend	00->	LA56
Novo Idea (Essence)	09/10->	LA422 LAK422
Novo Idea (Sporting)	09/10->	LA422 LAK422

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FIAT

	ANO / YEAR	
Palio	01/01->12/04	LA422 LAK422
Palio	01/05->	LA422 LAK422
Palio	01/01->12/03	LA422 LAK422
Palio	01/02->12/05	LA422 LAK422
Palio	01/06->	LA422 LAK422
Palio	01/01->12/03	LA422 LAK422
Palio	01/03->12/03	LA422 LAK422
Palio	01/04->12/05	LA422 LAK422
Palio	01/06->	LA422 LAK422
Palio (Essence)	09/10->	LA422 LAK422
Palio (Sporting)	09/10->	LA422 LAK422
Palio (todos)	96->00	LA499
Palio / Palio Weekend / Siena / Strada	05->	LA422 LAK422
Palio / Palio Weekend / Siena / Strada	04->05	LA422 LAK422
Palio / Palio Weekend / Siena / Strada	05->	LA422 LAK422
Palio / Palio Weekend / Siena / Strada	->12/06	LA422 LAK422
Palio Brasil 500	1999	LA601
Palio Citymatic	1999->2000	LA601
Palio EL Spi	1998->1999	LA601
Palio EI/Elx Mpi	1998->2001	LA601
Palio ELX MPI	1998->2000	LA601
Palio ELX MPI 16 V	1996->2000	LA601
Palio EX	1998->1999	LA601
Palio EX MPI	1998->2003	LA601
Palio Ex/Edx Mpi	1998->2002	LA601
Palio Weekeend Adventure mpi 16V	1999	LA601
Palio Weekeend Adventure RST	1999->2003	LA601
Palio Weekeend ELX Hitachi	1997->2000	LA601
Palio Weekeend EX MPI	1997->1999	LA601
Palio Weekeend MPI	1998	LA601
Palio Weekeend Mpi 6M	1999->2000	LA601
Palio Weekeend Sport 16V	1997->1999	LA601
Palio Weekeend Stile 16V	1997->2003	LA601
Palio Weekend	97->00	LA601
Palio Weekend	01/03->	LA422 LAK422
Palio Weekend	01/01->12/03	LA422 LAK422
Palio Weekend	01/00->12/04	LA422 LAK422
Palio Weekend (Dualogic)	09/10->	LA422 LAK422
Palio Weekend (ELX/Trekking)	05/08->	LA422 LAK422

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FIAT

	ANO / YEAR	
Palio Weekend / Siena / Strada	99->	LA601
Palio Weekend / Siena / Strada	01->	LA422 LAK422
Palio YOUNG	2000->2001	LA601
Punto	03/09->	LA612 LAK612
Punto (ELX)	07/07->	LA612 LAK612
Punto (HLX/Sporting)	07/07->06/10	LA612 LAK612
Siena	97->00	LA601
Siena	01/03->12/04	LA422 LAK422
Siena	01/05->	LA422 LAK422
Siena	01/01->12/03	LA422 LAK422
Siena	01/02->12/06	LA422 LAK422
Siena	01/06->	LA422 LAK422
Siena	01/00->12/03	LA499
Siena	01/03->12/04	LA422 LAK422
Siena	01/05->12/05	LA422 LAK422
Siena	01/06->	LA422 LAK422
Siena	01/06->	LA422 LAK422
Siena (Essence/Sporting)	09/10->	LA422 LAK422
Siena EL/ HL	1998->1999	LA601
Siena ELX	1997->1999	LA601
Siena Spi	1997->1999	LA601
Siena Sport MTV	1998	LA601
Siena Style	1998->1999	LA601
Stilo	02->	LA142
Stilo	01/06->	LA142
Stilo	02->	LA142
Strada	98->00	LA601
Strada	00->	LA488
Strada	05/99->12/04	LA422 LAK422
Strada	09/10->	LA422 LAK422
Strada	01/03->12/04	LA422 LAK422
Strada	01/05->	LA422 LAK422
Strada	01/04->	LA422 LAK422
Strada	01/06->	LA422 LAK422
Strada LX CE	1998->2001	LA601
Strada Spi	1998->2001	LA601
Strada Trekking Spi	1999->2000	LA601
Strada Working	1998->2001	LA601
Strada Working CE	1998->2002	LA601

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FIAT

Tempra	93->	LA34
Tempra	92->	LA34
Tempra	92->94	LA34
Tempra	95->	LA34
Tempra	01/93->	LA34(3)
Tempra Station Wagon	95->	LA34
Tempra Turbo	95->	LA34
Tipo	->94	LA34
Tipo	93->	LA34
Tipo	96->	LA34(3)
Tipo	->94	LA34
Tipo	95->	LA34(3)
Tipo	95->	LA34(3)
Tipo Importado	->94	LA34(3)
UNO Novo (Way / Attractive / Vivace / Sporting)	05/10->	LAK633 LA633

FORD

Courier	07/99->08/99	LA77
Courier	97->	LA77
Courier CLX SI	07/97->08/99	LA77
Courier Furgoneta / Courier	09/99->	LA77
Courier L/XL	06/07->	LA77
EcoSport	02->	LA169
EcoSport	05->	LA169
EcoSport	03->	LA169
Ecosport Duratec HE (Câmbio Automático)	11/06->	LA169
Ecosport Duratec HE (Câmbio Manual)	01/03->	LA169
EcoSport Supercharger	03->	LA169
EcoSport XL, XLS e XLT	03->	LA169
Fiesta	99->	LA77
Fiesta (Importado - todos)	->96	LA77
Fiesta (Importado - todos)	96->00	LA77
Fiesta Hatch	02->	LA169
Fiesta Hatch	04/96->08/99	LA77
Fiesta Hatch	02->	LA169
Fiesta Hatch	04/96->05/98	LA77
Fiesta Hatch/Sedan	02->	LA77
Fiesta Hatch/Sedan	04->	LA169
Fiesta Hatch/Sedan	05->	LA169

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FORD

Fiesta Hatch/Sedan	10/01->06/06	LA77
Fiesta Sedan	02->	LA77
Fiesta Street	08/04->	LA77
Fiesta SuperCharger	02->	LA169
Fiesta SuperCharger	05/02->	LA77
Focus	00->	LA78
Focus	05/07->	LA78
Focus	07/00-07/04	LA78
Focus	09/98->	LA220
Focus	03/05->	LA78
Focus	->06/02	LA220
Focus	07/08->	LA642
Focus	2010->	LA642
Ka	08/99->12/07	LA77
Ka	01/97->08/99	LA77
Ka	->96	LA77
Ka	02/01->12/07	LA77
Ka (Modelo Novo)	12/07->	LA77
Mondeo	01/94->12/96	LA25
Mondeo	01/94->12/96	LA25
Mondeo	01/98->12/00	LA25
Mondeo (Todos)	->95	LA25
New Fiesta (Hatch/Sedan)	11->	LA785
Novo Fusion	09->	LA752

GM

Agile	01/09->	LA11 LAK11
Astra	98->	LA75
Astra	01/99->	LA75
Astra	09/91->09/98	LA11
Astra	02/95->09/98	LA11
Astra	01/95->12/96	LA11 LAK11
Astra	01/99->	LA75
Astra	01/99->	LA75
Astra Hatch / Sedan	04->	LA75
Calibra	06/90->02/94	LA11
Calibra	02/94->07/97	LA11 LAK11
Captiva		LA646
Captiva		LA646

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GM

Captiva		LA646
Celta	06->	LA11 LAK11
Celta	01/01->	LA11 LAK11
Celta	07->	LA11 LAK11
Celta	03->	LA11 LAK11
Celta s/ AC	00->	LA21
Classic	10->	LA11 LAK11
Cobalt	11->	LA472
Corsa	01/94->12/96	LA11 LAK11
Corsa	01/99->12/01	LA11 LAK11
Corsa	01/02->	LA117 LAK117
Corsa	01/96->12/01	LA11 LAK11
Corsa	01/00->12/01	LA11 LAK11
Corsa	01/02->	LA117 LAK117
Corsa	01/06->	LA117 LAK117
Corsa	01/02->	LA117 LAK117
Corsa	01/02->	LA117 LAK117
Corsa	01/98->12/01	LA11 LAK11
Corsa	01/07->	LA117 LAK117
Corsa	01/02->	LA117 LAK117
Corsa	01/95->12/01	LA11 LAK11
Corsa	01/02->	LA117 LAK117
Corsa	01/96->12/01	LA11 LAK11
Corsa	01/02->	LA117 LAK117
Corsa	01/96->12/01	LA11 LAK11
Corsa	01/04->	LA117 LAK117
Corsa s/ AC	98->	LA21
Corsa Sedan (Classic)	01/03->	LA11 LAK11
Cruze	11->	LA472
Meriva	08->	LA189
Meriva	08/02->	LA189
Meriva	04->	LA189
Montana	01/07->03/11	LA117 LAK117
Montana	01/04->03/11	LA117 LAK117
Montana - LS / SPORT (Modelo Novo)	04/11->	LA11 LAK11
Prisma	03/09->	LA11 LAK11
Prisma	10/06->	LA11 LAK11
Tigra	07/94->	LA11

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GM

Tigra	98->	LA11
Tracker	02->	LA654/S
Vectra	94->96	LA49
Vectra	97->	LA49
Vectra (Diamond)	06->	LA75
Vectra (Diamond)	06->	LA75
Vectra (Diamond) / GT / RGE	07->	LA75
Vectra (Diamond) / GT / RGE	07->	LA75
Vectra (Diamond) / GTX / RG	07->	LA75
Vectra GL /GLS /CD	96->	LA75
Vectra GLS /CD	93->	LA49
Vectra GSi		LA49
Zafira	01/99->	LA74
Zafira	01/05->	LA74
Zafira	01/01->	LA74

HONDA

Accord	2006->2007	LA122/S
Accord	2008->	LA122/S
Accord	2008->	LA122/S
Accord Sedã EX	01/91->12/04	LA122/S
Accord Sedã EX	01/91->12/04	LA122/S
Accord Sedã LX, autom.	01/06->	LA122/S
City	2009->	LA607
Civic	01/96->	LA82
Civic	95->	LA82
Civic	96->	LA82
Civic	91->95	LA82
Civic	96->	LA82
Civic	05/97->	LA82
Civic	95->	LA82
Civic Civic Sedan/ Hatchback	96->00	LA82
Civic Coupe	99->00	LA82
Civic Coupe / Sedan EX	98->00	LA82
Civic Coupe EX/EXS	01/91->12/98	LA82
Civic Coupe/ Civic Sedan/ Hatchback	96->00	LA82
Civic CRX / Targa VTI	01/93->12/95	LA82
Civic Esi	01/95->12/95	LA82
Civic Esi	91->94	LA82
Civic EX	98->00	LA82



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HONDA

Civic EX	96->98	LA82
Civic EX / Aut.	01/97->12/00	LA82
Civic EX / Aut.	01/01->12/05	LA122/S
Civic EX/EXS	01/92->12/97	LA82
Civic Hatch DX	01/92->12/95	LA82
Civic Hatch LSi	01/91->12/95	LA82
Civic Hatch LX, Autom.	01/92->12/06	LA82
Civic Hatch Si	01/93->12/95	LA82
Civic Hatch VTi	01/92->12/98	LA82
Civic LS	96->	LA82
Civic LS / SRI	95->	LA82
Civic Lsi	01/95->12/95	LA82
Civic Lsi	12/91->12/94	LA82
Civic LX	01/92->12/97	LA82
Civic Nacional	2001->	LA82
Civic Sedã LX / LXL / Aut.	01/01->12/05	LA122/S
Civic Sedã LXB	01/97->12/00	LA82
Civic Sedã LXB	01/01->12/05	LA122/S
Civic Sedã LXL / Aut.	01/05->12/06	LA122/S
Civic VI	11/95->04/01	LA82
Civic VI LX	01/99->12/00	LA82
CRV	95->	LA82
CRV ES / LS 4X4	97->	LA82
Fit	2006->2008	LA668
Fit EX	06/2005->	LA668
Fit Todos (adaptação)	2003->2007	LA155
New Civic (sedã EXS / LXS / autom.)	01/07->	LA344
New Civic Sedã EXS / LX / Aut.	01/07->	LA344
New Civic Si		LA344
New Fit	2009->	LA607
New Fit	2009->	LA607

HYUNDAI

Azera	01/07->10	LA343
I30	2009->	LA648
Santa Fé	03/06->12/09	LA343
Sonata	10->	LA819
Sonata	06/05->	LA343
Tucson	2005->	LA301
Tucson	2004->2006	LA301

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HYUNDAI

Tucson	2006->	LA301
Tucson	2004->2006	LA608
Tucson	07->	LA608
Tucson	2004->2005	LA608
Tucson	2006->	LA301
Vera Cruz	08/07->10	LA643

IVECO

Daily	98->	LA123
Daily		LA123
Daily		LA123
Daily		LA123
Daily		LA123
Daily		LA123
Daily	2008->	LA439
Daily	97->	LA123
Daily 35 S 14	01/08->	LA123
Daily 35.10	01/96->04/02	LA123
Daily 35.10	05/02->	LA123
Daily 35.13	01/96->04/02	LA123
Daily 35.13	05/02->	LA123
Daily 38.13	01/05->	LA123
Daily 40.13	01/05->	LA123
Daily 45 S 14	01/08->	LA123
Daily 50 C 16	01/08->	LA123
Daily 50.13	01/03->	LA123
Daily 55 S 14	01/08->	LA123
Daily 60.13 (Scudato)	01/06->	LA123
Daily 70 C 16	01/08->	LA123
Daily 70.13	01/05->	LA123
Daily Truck	97->	LA123

JAC MOTORS

J3 / J3 Turin	2011->	LA698
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JOHN DEERE

Tratores 7715 / 7815 / 8230 / 8430		LA676
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KIA MOTORS

Cadenza	10->	LA819
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KIA MOTORS

Carnival	06->	LA298
Cerato	2007->	LA298
Magentis	02/06->12/08	LA343
Mohave	2009->	LA298
Picanto	2004->	LA649
Sorento	01/04->12/05	LA343
Sorento	06->	LA301
Sorento	2010->	LA298
Soul	2009->	LA531
Soul	2009->	LA531
Sportage	2005->	LA301
Sportage	2005->	LA301

LAND ROVER

Land Rover 400	09/95->	LA82
Range Rover III	02->	LAK62

MAZDA

121 Dxi	96->97	LA77
121 GLX	91->95	LA77
121 GLX	96->	LA77
121 GSi / Zxi	96->	LA77

MERCEDES BENZ

715C Accelo - 7t Série	01/02->	LA651
915C	04->	LA651
9t - Série 915C Accelo		LA651
Accelo		LA651
Atego		LA677
Atego		LA677
Atego 1315	->10/06	LA677
Atego 1418	->10/06	LA677
Atego 1518	->10/06	LA677
Atego 1718	->10/06	LA677
Atego 1725	->10/06	LA677
Atego 2425	->10/06	LA677
Atego II 1315	11/06->	LA677
Atego II 1418	11/06->	LA677
Atego II 1518	11/06->	LA677
Atego II 1718	11/06->	LA677

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MERCEDES BENZ

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Atego II 1725	11/06->	LA677
Atego II 1728	07/07->	LA677
Atego II 2425	11/06->	LA677
Atego II 2428	07/07->	LA677
Axor 1933 S	01/05->	LA678
Caminhão Canavieiro c/ cabines FPN / NPN 693810		LA697
CL63 AMG	09/01->08/03	LA47/S
Classe A	99->	LAK81 LA81
Classe C	04/93->	LA37
Classe C: C240, C43 AMG	06/97->03/01	LA37
Classe C: C280	06/97->05/00	LA37
Classe C: C32 AMG	02/01->08/03	LA37
Classe C: C320, CL600	03/00->08/03	LA37
Classe C: CL500, CL55 AMG	09/99->08/03	LA37
Classe C: CLK320	06/97->08/03	LA37
Classe C: CLK430	07/98->06/02	LA37
Classe C: CLK500	06/02->08/03	LA37
Classe E	06/95->	LA37
Classe E: E240, E430, E55 AMG	06/97->08/03	LA37
Classe E: E280, E320	12/96->08/03	LA37
Classe M: ML320	02/98->08/02	LAK98
Classe M: ML430	02/98->08/03	LAK98
Classe S: S280, S430, S500	10/98->08/03	LA47/S
Classe S: S320	10/98->12/99	LA47/S
Classe S: S350	09/02->08/03	LA47/S
Classe S: S55 AMG, S600	04/99->08/03	LA47/S
Classe S: S63 AMG	09/01->08/03	LA47/S
Classe SLK: SLK32 AMG, SLK320	03/01->08/03	LA37
CLK	02/97->	LA37
CLK55 AMG	09/02->08/03	LA37
E200,190/200D		LA37
MB310 SPRINTER	01/97->12/00	LA83
MB311 SPRINTER	02->	LA83
MB312 SPRINTER	01/00->12/02	LA83
MB312D SPRINTER	01/00->12/01	LA83
MB313 SPRINTER	02->06	LA83
MB411 SPRINTER MICRO	00->	LA83
MB412D SPRINTER	01/00->12/02	LA83
Série C 43/240/280, CLK320/430, E320/430, S320/S430		LA37

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Série C, 200/220/250, Série E, 200/250/300, Série S, 350, 190/200/250D, 300D/SD/SEL, 250/290/300/350GD, D208/308/508, 21-0/310D, Korando/Musso2.3D/2.9, StillR70		LA37
Série C, SérieE /190/200/220/230/240/250/260/ 280/300/320,207D		LA37
Série C,180/200/220/230/280, CLK200/230, SerieE, 200/220/230/280/320,SLK200/230, Serie V, 200/230/300E/CE/SL, 320E/CE/TE, Vito 113/114, Sprinter214, Ssangyong Musso/Morando 2.0/3.2, VW LT28,LT35		LA37
Série D,200/250/300, Série E,200/230/260/ 300/420/500, 300SE/SEL,400SE/SEL,500SE/SEL, 600SE/SEL, Série S 28-0/320/420/500/600/300/ 350, Série SL280/320/500		LA37
Série E 200/220, Ssangyong Musso 2.0/ Korando 2.0		LA37
Série E 200/220/230/240/250/280/ 290/300/320/ 420/430		LA37
Série E 280/320		LA37
Série E 300, 260, 300		LA37
Série E, 420/500, Série S 400/420/500/400		LA37
Série E, 50/55/420/500, Serie S, 400/420/500, 500SE/SEL/SL		LA37
Série E,190/260/400/420/230/280/320/300/500, SerieS,280/320/400/500,serie SL,280/320/500/600		LA37
Série OM 600: MB Sprinter		LA83
Série S/280/320/300		LA47/S
Série S/280/320/430/500, G320		LA47/S
Série W210 - modelos "E"	06/95->	LA47/S
Série W210 - modelos "E"	06/95->	LA47/S(3)
SérieC 180/200/220/230/240/250/280, CLK200/230/320, Serie E200/220/230/240/250/ 280/290/300/320/420/430, SLK200		LA37
SérieC 180/200/220/280/320/190/230/260/300/350/380/450/		LA37
SérieC,180/200/220/230/280, CLK,200/230, SerieE ,200/230/280/300/400/420/500/600, Serie SL,600/280/320/500/600,SLK 200,serieV,200/230		LA37
SérieC,180/200/220/280/320/190/230/260/300/350/380/450/		LA37
SérieC180/200/220/250/280/230/250/300/290/320/190/240/380/420 (Transmissão)		LA37
SLK 200/230		LA37
SPRINTER 311		LA83
SPRINTER 313 CDI		LA83
SPRINTER I 308-316 (903)		LA83
W140S600, SE/SEL		LA47/S

MITSUBISHI

Pajero TR4	06/07->	LA611/S
Pajero TR4/4x4/Aut.	01/2003->	LA611/S

NISSAN

Frontier	2012->	LA817/S
Frontier	2010->	LA817/S
Frontier (Tailandesa)	2008->	LA817/S
Grand Livina	09->	LA818
Livina	09->	LA818
Livina	09->	LA818
Pathfinder	06->	LA817/S

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NISSAN

Pathfinder	06->	LA817/S
Sentra S/SL	08/09->	LA396
Sentra S/SL	03/07->12/09	LA396
Tiida	08/07->	LA818

PEUGEOT

106, 205, 206, 306, 405, 406	99->	LA57
206	00->	LA57
206	01/00->	LA57
206	07/00->	LA57
206	03->05	LA57
206	06->	LA57
206	03->05	LA57
206	07/00->	LA57
206	99->	LA57
206	10/00->	LA57
206	10/00->05	LA57
206	08/98->12/00	LA57
206	08/98->12/00	LA57
206	09/00->	LA57
206 (Feline / Holiday / Presence / SW Presence)	01/04->	LA57
206 (Holy./Rall./Seleç./Pres./SW/Escap./Felin./Tech.)	01/05->	LA57
206 (nacional)	00->	LA57
206 (Pass./Rallye/Soleil/Quick./SW/Felin./Pres./Tech)	01/01->	LA57
206 Escapade		LA57
207	05/08->	LA57
207 (XS/ XS Aut. / Escapade)	05/08->	LA57
307	08/00->	LA138
307	->07	LA138
307	05->	LA138
307	08/00->	LA138
307	04->	LA138
307	06/07->	LA138
307	08/07->	LA138
307 (Sedan / Presence / Presence Pack)	01/07->	LA138
307 (Todos modelos)	01/03->05/07	LA138
404 GLI	92->9/95	LA9
405	91->08/93	LA9
405	92->08/93	LA9
405	08/92->12/96	LA9



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PEUGEOT

405	92->	LA9
405	09/87->09/92	LA9
405	01/87->12/92	LA9
405	07/87->06/88	LA9
405	07/87->12/92	LA9
405	10/89->12/92	LA9
405	08/92->12/96	LA9
405	94->	LA9
405	94->98	LA9
405	02/95->	LA9
405	10/92->01/95	LA9
405	08/92->12/96	LA9
405	10/90->09/92	LA9
405	09/87->10/92	LA9
405	07/87->12/92	LA9
405	07/88->12/92	LA9
405	07/88->12/92	LA9
405	01/99->11/00	LA9
405	94->	LA9
405	06/94->12/95	LA9
405	08/92->12/96	LA9
405	08/92->12/96	LA9
405	94->98	LA9
405	92->	LA9
405	99->	LA9
405 GLI	94->98	LA9
405 SRi Break	94->	LA9
406	94->98	LA32
406	02/95->10/95	LA32
406	11/95->	LA32
406	10/95->	LA32
406	94->98	LA32
406	11/95->	LA32
406	11/95->	LA32
406	7/96->	LA32
406	02/97->	LA32
406	95->	LA32
406	99->	LA32
406 Coupé	01/99->11/00	LA32
605	06/89->12/99	LA26

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PEUGEOT

605	07/94->12/99	LA26
605	8/94->	LA26
605	06/89->12/99	LA26
605	07/92->12/99	LA26
605	8/94->	LA26
605	04/97->12/99	LA26
605	8/94->	LA26
605	95->	LA26
605 SLD/SRD/SLDT/SRDT/SVDT	10/90->7/94	LA26
605 SR/SV	8/94->	LA26
605 SRI	94->	LA26
Boxer	97->	LA123
Boxer	01/05->	LA123
Boxer I	03/94->03/02	LA123
Boxer I	07/97->12/00	LA123
Boxer I	01/97->12/00	LA123
Boxer I	09/00->03/02	LA123
Boxer I	97->	LA123
Boxer II	02/02->	LA123
Hoggar (Escapade)	04/10->	LA57
Partner	07/00->	LA8
Partner	07/00->	LA8
Partner	10/00->10/02	LA8
Partner	07/01->	LA8
Partner	07/00->	LA8
Partner	07/00->	LA8
Partner	07/01->	LA8
Partner (Ranch)	01/03->	LA8
Partner (Ranch)	05/97->12/02	LA8(3)
Partner (Ranch)	06/96->12/02	LA8(3)
Partner Furgão	2005->	LA8

RENAULT

Clio	01/06->	LA609
Clio	12/05->06	LA87
Clio	01/00->	LA87
Clio	07->	LA609
Clio	01/01->12/03	LA87
Clio	01/04->	LA87
Clio	00->	LA87

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RENAULT

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Clio	2005->	LA87
Clio	01/95->12/99	LA87
Clio	01/03->	LA87
Clio	09/98->	LA87
Clio	01/99->	LA87
Clio (BR)	01/00->	LA87
Clio (BR)	01/06->	LA87
Clio (BR)	01/98->	LA87
Clio I - Europeu	01/91->08/95	LA87
Clio II	97->	LA87
Clio II	09/98->09/05	LA87
Fluence	10->	LA820
Kangoo	00->	LA87
Kangoo	01->	LA609
Kangoo	07->	LA609
Kangoo	99->00	LA609
Kangoo / Kangoo Express, Rapid	97->	LA87
Kangoo Express, Rapid	11/97->00	LA87
Laguna	04/94->02/96	LA23
Laguna	96->	LA23
Laguna	96->	LA23
Laguna	93->96	LA23
Laguna	95->	LA23
Laguna	12/93->	LA23
Laguna	94->	LA23
Laguna II	99->	LA23
Laguna New	96->	LA23
Logan / Sandero	2010->	LA665
Megane	06->	LA606
Megane	96->98	LA33
Megane	99->	LA609
Megane	96->	LA33
Megane	96->98	LA33
Megane	01/05->	LA606
Megane	11/95->98	LA33
Megane Scenic I	97->	LA33
Megane Scenic I	97->	LA33
Megane Scenic II	99->	LA609
Megane Scenic II / Scenic RX4	09/99->	LA609

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RENAULT

Scenic	01/99->	LA40 ->97 LA60 98-02
Scenic	->97	LA40 ->97 LA60 98-02
Scenic	2001->	LA40 ->97 LA60 98-02
Scenic	96->00	LA40 ->97 LA60 98-02
Scenic	99->	LA40 ->97 LA60 98-02
Scenic II	02->	LA40 ->97 LA60 98-02

SCANIA

114 P/R/T	01/98->	LA432 LA650
114 P/R/T (Canavieiro)	01/97->	LA432 LA650
124 P/R/T	01/98->09/06	LA432 LA650
124 P/R/T	10/06->	LA432 LA702
124 P/R/T - Turbo e Intercooler	01/98->	LA432 LA650
124 P/R/T (Canavieiro)	03/99->09/06	LA432 LA650
124 P/R/T (Canavieiro)	10/06->	LA432 LA702
164 R	01/02->	LA432 LA650
94 P/R/T (CB/DB) (Canavieiro)	01/97->	LA432 LA650
94, 124 Série 4 - Classe D	98->	LA432 LA650
94, 124 Série 4 - Classe D	->06/98	LA432 LA650
G 380	11/06->	LA702
G 380	01/08->	LA702
G 420	11/06->	LA702
G 420	01/08->	LA702
G 440	11/06->	LA702
G 470	11/06->	LA702
G 470A 4x2/6x2/6x4/8x4 - G 420B 6x4	11->	LA702
G 480A 6x2	11->	LA702
LK 141	03->05	LA432
LS 110	05->05	LA432
LS 76	01->05	LA432
P 230	11/06->	LA432 LA702
P 230	01/04->	LA432 LA702
P 270	11/06->	LA432 LA702
P 270	01/04->	LA432 LA702
P 270A 4x2	11->	LA702
P 310	11/06->	LA432 LA702
P 310	01/04->	LA432 LA702
P 340	01/04->	LA702



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SCANIA

P 340	11/06->	LA702
P 420	01/04->	LA432 LA702
P 420	11/06->	LA432 LA702
P 93 - H/HS	95->	LA432
P 94	01/98->	LA432
R 380	01/05->	LA432 LA702
R 380A 4x2/6x2	11->	LA702
R 420	11/06->	LA702
R 420 HighLine	01/08->	LA702
R 440	11/06->	LA702
R 440 HighLine	01/08->	LA702
R 470	11/06->	LA432 LA702
R 470 HighLine	01/08->	LA702
R 470A 4x2/6x2/6x4	11->	LA702
R 480	01/05->	LA432 LA702
R 500	11/06->	LA432 LA702
R 500 (HighLine)	01/08->	LA702
R 580B 6x4	11->	LA702
T 114 GA320/330/360	1998->	LA432

SCANIA ÔNIBUS

F94	01/98->	LA432
K114	01/98->12/02	LA432
K114	01/03->	LA432
K124	01/98->	LA432
K124	01/03->	LA432
K230	01/05->	LA432
K270	01/05->	LA432
K310	01/05->	LA432
K340	01/05->	LA432
K360	01/05->	LA432
K380	01/05->	LA432
K420	01/05->	LA432
K94	01/98->	LA432
L113	97->	LA432
L94	01/05->	LA432
L94	03/97->12/04	LA432

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SEAT

SEAT	ANO / YEAR	
Cordoba	97->	LA13->96 LA31 97->01 LA120 02->
Cordoba	01/94->12/96	LA13->96 LA31 97->01 LA120 02->
Cordoba	99->	LA13->96 LA31 97->01 LA120 02->
Cordoba	01/94->	LA13->96 LA31 97->01 LA120 02->
Cordoba	01/94->03/95	LA13->96 LA31 97->01 LA120 02->
Cordoba	01/94->	LA13->96 LA31 97->01 LA120 02->
Cordoba	93->	LA13->96 LA31 97->01 LA120 02->
Cordoba	1/94->	LA13->96 LA31 97->01 LA120 02->
Cordoba GT	01/94->	LA13->96 LA31 97->01 LA120 02->
Cordoba I	04/96->06/99	LA13->96 LA31 97->01 LA120 02->
Cordoba I	08/96->	LA13->96 LA31 97->01 LA120 02->
Cordoba I	10/93->06/99	LA13->96 LA31 97->01 LA120 02->
Cordoba I	10/94->06/99	LA13->96 LA31 97->01 LA120 02->
Cordoba I	10/93->06/99	LA13->96 LA31 97->01 LA120 02->
Cordoba I	08/96->06/99	LA13->96 LA31 97->01 LA120 02->
Cordoba II	06/99->12/02	LA13->96 LA31 97->01 LA120 02->
Cordoba II	06/99->12/02	LA13->96 LA31 97->01 LA120 02->
Cordoba III	02/03->	LA13->96 LA31 97->01 LA120 02->
Cordoba, Ibiza	95->97	LA13->96 LA31 97->01 LA120 02->
Ibiza	10/93->12/96	LA31
Ibiza	05/92->09/93	LA31
Ibiza	10/93->6/94	LA31
Ibiza	05/94->	LA31
Ibiza	98->	LA31
Ibiza	10/93->	LA31
Ibiza	10/93->12/96	LA31
Ibiza	93->	LA31
Ibiza	10/93->	LA31
Ibiza	02/87->93	LA31

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SEAT

Ibiza Cupra Sport	12/96->	LA31
Ibiza GLD/LD	->92	LA31
Ibiza GT	10/93->	LA31
Ibiza Gti	10/93->	LA31
Ibiza II	05/94->08/99	LA31
Ibiza II	04/96->08/99	LA31
Ibiza II	11/93->08/99	LA31
Ibiza III	08/99->02/02	LA31
Ibiza III	08/99->02/02	LA31
Ibiza IV	02/03->	LA31
Ibiza L/GL/GLX	->93	LA31
Ibiza Sportline	04/92->09/93	LA31
Ibiza Sxi	89->93	LA31
Inca	96->	LA31
Inca	99->	LA31
Inca	96->	LA31
Inca	11/95->10/00	LA31
Inca	96->	LA31
Inca Van	96->	LA31
Inca Van	->00	LA31
Inca Van	96->	LA31
Toledo	08/94->	LA31
Van	95->	LA31

SUZUKI

Grand Vitara	98->09	LA654/S
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THERMO KING

Sistema Thermo king LRTBR - Ônibus Rodoviário	05->	LA696
Sistema Thermo king LRTSP - Ônibus Rodoviário	06->	LA692
Sistema Thermo king LRTSP - Ônibus Rodoviário	06->	LA693

TOYOTA

Camry (XLE Aut)	2007->	LA655
Corolla (Fielder SE-G / XEi / XLi / Aut.)	03/07->12/07	LA109
Corolla (S / Aut.)	01/07->12/07	LA109
Corolla (SE-G / XEi / XLi / Aut.)	03/07->12/07	LA109
Corolla (XLi / Aut.)	03->07	LA395
Corolla / Fielder	03->07	LA395
Corolla/Fielder (SE-G/XEi/Xli/Aut)	2009->	LA655

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TOYOTA

Hilux (CD D4-D 4x2 / 4x4)	01/06->	LA655
Hilux (CDSRV / CDSRV TBI)	06->	LA655
Hilux (Chassi D4-D 4x4)	01/06->	LA655
Hilux (CS D4-D 4x2 / 4x4)	01/06->	LA655
Hilux (D/C DX AC 4x2-4x4/ S/C DX AC 4x2-4x4/)	05->	LA655
Hilux (D/C SR TBI - D/C SR SRV 4x4 - SW NEW AT/MT)	05->	LA655
Hilux (D/C SRV 4x2- Turbo 4x4)	01->	LA655
Hilux (D4-D CD /SR /SRV /SW4 /4x2 /4x4 /Aut.)	01/06->	LA655
Lexus	2006->	LA655
Prado	2009->	LA647
RAV4 (4x4/Aut)	2006->	LA655

VOLKSWAGEN

13180 (Constellation)	10/06->	LA652/S
15180 (Constellation)	10/06->	LA652/S
17250 E Worker / Constellation	07/03->	LA652/S
19320 Constellation	01/05->	LA652/S
24250 Worker / Constellation	07/03->	LA652/S
25370E Constellation	07/07->	LA652/S
31320E Constellation 6X4	02/07->	LA652/S
Bora	10/98->	LA31
Bora	01/00->	LAK63
Bora I	10/98->	LA31
Bora I	10/98->	LA31
Bora I	10/00->	LA31
Cross Fox GPR	09/06->	LA120
Fox	03->	LA120
Fox (Gasolina)	10/03->	LA120
Fox Cross/GPR	04/08->	LA120
Fox Cross/GPR	09/06->03/08	LA120
Fox Total Flex	03->	LA120
Fox Total Flex	08->	LA120
Fox Total Flex	01/04->03/08	LA120
Fox Total Flex	04/08->	LA120
Gol	01->04	LA591
Gol	95->96	LA591
Gol	96->	LA591
Gol	90->95	LA591
Gol	97->	LA591
Gol	86->95	LA591



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VOLKSWAGEN

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Gol	95->97	LA591
Gol (Álcool)	01/98->	LA591
Gol (Álcool)	01/94->	LA591
Gol (Álcool)	01/02->12/06	LA591
Gol (Álcool)	01/94->12/97	LA591
Gol (Álcool)	01/97->12/98	LA591
Gol (Álcool)	01/94->12/97	LA591
Gol (Gasolina)	01/02->12/06	LA591
Gol (Gasolina)	01/97->12/01	LA591
Gol (Gasolina)	01/02->12/04	LA591
Gol (Gasolina)	01/96->	LA591
Gol (Gasolina)	01/02->	LA591
Gol (Gasolina)	01/96->	LA591
Gol (Gasolina)	01/04->	LA591
Gol (Gasolina)	01/96->12/02	LA591
Gol (Gasolina)	01/94->12/01	LA591
Gol (Total Flex)	01/03->	LA591
Gol AP EFI	01/95->12/00	LA591
Gol CFI	95->96	LA591
Gol CFI (Gasolina)	01/94->12/96	LA591
Gol CFI (Gasolina)	01/94->12/96	LA591
Gol G4 (Total Flex)	05->	LA591
Gol G5 (Total Flex)	03/08->	LA120
Gol G5 (Total Flex)	03/08->	LA120
Gol GT	95->	LA591
Gol GTI	96->	LA591
Gol GTI	01/96->12/02	LA591
Gol GTI (Injeção Eletrônica)	89->96	LA591
Gol Plus	95->96	LA591
Gol Power	01->	LA591
Gol, Parati	97->	LA591
Gol, Parati	05->	LA591
Gol, Parati	00->	LA591
Gol, Parati	05->	LA591
Gol, Parati Power		LA591
Gol, Parati, Saveiro	97->	LA591
Gol, Parati, Saveiro	03->	LA591
Gol, Saveiro	95->96	LA591
Golf	01->	LA13->93 LA31 93->

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



VOLKSWAGEN

	ANO / YEAR	
Golf	01/99->12/01	LAK63
Golf	01/98->12/01	LAK63
Golf	03/07->	LAK63
Golf	01/99->	LAK63
Golf	96->98	LA13->93 LA31 93->
Golf (nacional)	01/98->05/01	LA13->93 LA31 93->
Golf (nacional)	06/01->	LA13->93 LA31 93->
Golf (nacional)	06/01->	LA13->93 LA31 93->
Golf (Nacional)	06/01->	LA13->93 LA31 93->
Golf GL-GLX	93->98	LA13->93 LA31 93->
Golf III	11/91->04/99	LA13->93 LA31 93->
Golf III	11/91->04/99	LA13->93 LA31 93->
Golf III	95->	LA13->93 LA31 93->
Golf III	08/92->07/97	LA13->93 LA31 93->
Golf III	11/91->07/97	LA13->93 LA31 93->
Golf III, Vento	->7/93	LA13->93 LA31 93->
Golf III, Vento	08/93->09/97	LA13->93 LA31 93->
Golf Importado	94->98	LA13->93 LA31 93->
Golf IV	98->05/01	LA13->93 LA31 93->
Golf IV	08/97->	LA13->93 LA31 93->
Golf IV	98->05/01	LA13->93 LA31 93->
Golf IV		LA13->93 LA31 93->
Golf IV	08/97->	LA13->93 LA31 93->
Golf IV	09/01->	LA13->93 LA31 93->
Golf IV	06/98->	LA13->93 LA31 93->
Golf IV	01/98->05/01	LA13->93 LA31 93->
Golf IV	08/97->	LA13->93 LA31 93->
Golf VR6	96->98	LA13->93 LA31 93->
Jetta	09/06->	LAK181
New Beetle	09/01->	LA31
New Beetle	98->	LA31
New Beetle / New Beetle Cabrio	01/99->	LAK63
Parati (Alcool)	01/97->12/06	LA605
Parati (Alcool)	01/97->12/98	LA605
Parati (Alcool)	01/95->12/98	LA605
Parati (Álcool)	01/95->12/97	LA605
Parati (Álcool)	06/02->12/06	LA591
Parati (Álcool)	01/95->12/97	LA605

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



VOLKSWAGEN

	ANO / YEAR	
Parati (Gasolina)	01/02->12/06	LA591
Parati (Gasolina)	01/97->12/04	LA591
Parati (Gasolina)	01/97->12/02	LA591
Parati (Gasolina)	01/00->05/02	LA591
Parati (Gasolina)	01/95->12/96	LA591
Parati (Gasolina)	01/96->	LA591
Parati (Gasolina)	01/95->12/96	LA591
Parati (Gasolina)	01/97->	LA591
Parati (Gasolina)	01/95->	LA591
Parati (Total Flex)	11/06->	LA591
Parati (Total Flex)	01/05->	LA591
Parati Multipoint (Gasolina)	02/96->07/00	LA591
Passat	08/94->09/96	LA44
Passat (3A2/5, 35I)	01/94->05/97	LA44
Passat (3B2/3B5)	10/96->12/00	LA45
Passat (3B3/3B6)	11/00->09/05	LA45
Passat (3B3/3B6)	11/00->09/05	LA45
Passat/Variant	98->	LA31
Passat/Variant	->95	LA31
Passat/Variant	97	LA31
Passat/Variant	98->00	LA31
Passat/Variant L	95->97	LA31
Polo	01/02->12/05	LA120
Polo	03/02->	LA120
Polo	03/02->	LA120
Polo	11/04->12/07	LA120
Polo (Hatch/Sedan)	01/02->07/06	LA120
Polo Classic	06/98->12/03	LA31
Polo Classic CD	12/96->05/98	LA31
Polo GTI Turbo	01/06->	LA120
Polo III (6N2/KV2+5)	10/99->11/01	LA120
Polo IV	01/02->12/06	LA120
Polo Total Flex	05/08->	LA120
Saveiro	98->	LA605
Saveiro (Álcool)	01/97->12/06	LA605
Saveiro (Álcool)	01/97->	LA605
Saveiro (Gasolina)	01/98->	LA591
Saveiro (Gasolina)	01/96->12/97	LA605
Saveiro (Gasolina)	01/96->	LA591 LA605

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



VOLKSWAGEN

Saveiro (Gasolina)	01/96->12/02	LA591
Saveiro (Total Flex)	01/03->	LA591
Saveiro (Total Flex)	01/02->12/05	LA591
Sp2, TC, TL, Variant, Variant II	75->81	LA605
SpaceFox Total Flex	01/06->03/08	LA120
SpaceFox Total Flex	04/08->	LA120
Vento	11/91->10/98	LA13->93 LA31 93->
Vento	11/91->10/98	LA13->93 LA31 93->
Vento	95->	LA13->93 LA31 93->
Vento	11/91->10/98	LA13->93 LA31 93->
Vento	01/92->10/98	LA13->93 LA31 93->
Vento VR6		LA13->93 LA31 93->
Voyage Total Flex	09/08->	LA120
Voyage Total Flex	09/08->	LA120

VOLVO

Caminhão - N10 / NL10 / N12 / NL12 (todos)		LA656
Caminhão NH - (todos)		LA138
FH 12 Globetrotter	98->	LA653
FH 12 Globetrotter - Volvo Importado	94->	LA653
FH 12.340	01/03->	LA653
FH 12.380	01/03->	LA653
FH 12.400	11/06->	LA653
FH 12.420	01/96->	LA653
FH 12.420	01/03->	LA653
FH 12.440	11/06->	LA653
FH 12.460	01/04->	LA653
FH 12.480	11/06->	LA653
FH 12.520	11/06->	LA653
FM 12	2004->	LA653
FM 12	99->	LA653
FM 12.340	01/00->	LA653
FM 12.340	01/03->	LA653
FM 12.380	01/01->	LA653
FM 12.380	01/03->	LA653
FM 12.400	11/06->	LA653
FM 12.420	01/00->	LA653
FM 12.420	01/03->	LA653
FM 12.440	11/06->	LA653
FM 12.460	01/04->	LA653



MAHLE
ORIGINAL

FILTRO DO AR PARA CABINE /
PASSENGER COMPARTMENT AIR FILTER /
FILTRO DE AIRE PARA HABITÁCULO

ANO /
YEAR



VOLVO

FM 12.480	11/06->	LA653
FM 12.480 (6x2) D12C 380	2001->	LA653
FM 12.520	11/06->	LA653
N10, 12 Turbo Intercooler	93->	LA656
N10, N12 4X2 - 4X6 - Intercooler I - II	80->	LA656
NH 12.340 / 360 / 380	98->	LA138
NL 10.280 / 340	89->97	LA656
NL 10.280 / 340	98->	LA656
NL 10.280 / 340	91->	LA656
NL 10.320 / 12.360 / 12.410 EDC	96->97	LA656
NL 10.320 D10A/ 12.360 TD123E / 12.140 TD123ES / NL320 D10A	98->	LA656
NL 12.400 Intercooler	93->	LA656
NL 360		LA656
VM	2003->	LA660
VM 17210	01/04->	LA660
VM 23210	01/04->	LA660

FILTRO DO COMBUSTÍVEL - SEPARADOR DE ÁGUA / COPO REMOVÍVEL PARA FILTRO DO COMBUSTÍVEL
 FUEL FILTER - WATER SEPARATOR / REMOVABLE BOWL FOR FUEL FILTER
 FILTRO DE COMBUSTIBLE - SEPARADOR DE AGUA / VASO PLASTICO REMOVIBLE PARA FILTRO DE COMBUSTIBLE

APLICAÇÃO / APPLICATION	CÓDIGO / PART NUMBER	CÓDIGO / PART NUMBER
Mercedes Benz A3760927301	KC127	
Mercedes Benz A3820927005, AGCO 036530R1, John Deere DQ24057, Maxion 72040	KC119	0621 1718
Mercedes Benz A3844777015	KC126	0621 1700
Mercedes Benz A4570920001	KC125	0621 1700
Mercedes Benz A4760927201	KC128	
Mercedes Benz Sprinter A0000926405, Maxion 72114 (Ranger, Land Rover, S-10)	KC129	
MWM 905411510019	KC121	0621 1700
Scania 1671502 (Power Pack - Motores Estacionários)	KX88/1D	
Scania 1675795, Volvo 8125469	KX89/2D	
Volvo 8159975, Scania 1393640, GMC 93297277	KC124	0621 1700
Volvo Série NH e FH todos a partir de Junho/1999 - 3989632	KC123	0621 1700
VW Caminhões 2TD127491A, Ford Caminhões FS1242	KC118	
VW Caminhões Série 2000 em diante	KC120	0621 1718
VW Ônibus Motor dianteiro 2RP127491	KC122	0621 1700
VW/ Ford Sedimentador 85HU9155A, com furo, sem sensor	KC130	
VW/ Ford Sedimentador 85TU9B64C, sem furo, sem sensor	KC131	

TABELA DE CONVERSÃO
CROSS REFERENCE
TABLA DE CONVERSIÓN

- MAHLE E METAL LEVE
- FRAM
- MANN
- TECFIL

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
0951127M1					MERCEDES BENZ/ SCANIA
AL12		TB1374X			FORD/ IVECO/ MERCEDES BENZ/ SCANIA/ SCANIA ÔNIBUS/ VO-
AL14		TB1374/3X			SCANIA/ SCANIA ÔNIBUS
FT6211700		BL4			
HC101			PSH616		CLARK
HC102	P6893		PSH607		VOLVO
HC103			PSH693		JOHN DEERE
HC104		WH980	PSH025		CASE
HC105	P6893		PSH242		CASE
HC106			PSH582		CASE
HC107			PSH086		CASE
HC108			PSH793		CLARK
HC109	P7566		PSH235		CLARK
HC110			PSH236		CLARK
HC112		WH980/3			CASE/ CATERPILLAR/ JOHN DEERE
HC4		W1374/2	PSH766		CASE/ CUMMINS/ DEMAG BAGGER/ MONTANA PARRUDA/ SANTAL
HC45	PH2870A	W719/4	PSL561		FORD
HC76	P4637A	W950/8	PSH486		AGRALE/ FORD/ FORD TRATORES/ SLC
HC81	PH10229		PSH111		DYNAPAC/ KOMATSU
HC82		W1265	PSH112		MASSEY FERGUSON
HC83	P5573	W950/12	PSH306		
HC84	P4637A	W950/8	PSH96		
HC85	P3961	W1290/1	PSH211		CASE
HC86			PSH012		CBT
HC96	PH8789	W930/14	PSH173		SCANIA/ SCANIA ÔNIBUS
HC99	P5158	W1374/2	PSH766		CASE
HX107			PH126		CASE
HX15	CH803APL	H601/4	PH346		AGRALE/ CASE/ CBT/ ENGESA/ FIAT/ FORD/ GM/ IVECO/ MERCE-
HX50		H813/3	PTH800		VALMET
HX51D	C1664PL	H1291/1	PH520		CASE/ CBT/ CLARK/ HUBER WABCO/ MAXION/ MULLER/ SANTAL/
HX52	C1660	H1497/1	PH64		CATERPILLAR
HX53		H710	PH101		
HX54		H914	PH663		MAXION/ SANTAL
HX55		56230054171	TH302		
HX56		56240053241	TH225		
HX57D		H1278	PH521		DYNAPAC
HX58	C4662	H119	PH538		
HX77		HU 721 x KIT	PEH314		VOLVO
KC107	P3401	WK940/7	PSC410		CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FIAT ALLIS/ FORD/
KC113	P9368	WK731	PSC73/1		AGRALE/ AM HOIST/ ATLAS COPCO/ CASE/ CATERPILLAR/ DEMAG
KC114	P1104	WK950/13	PSC744		ATLAS COPCO/ CATERPILLAR/ DYNAPAC/ GARDNER DENVER/
KC118		WK947/2			FORD/ VOLKSWAGEN
KC119	PS6643	WK940/24	PSD530/1		AGRALE/ CASE/ GM/ MERCEDES BENZ
KC120		WK950/14	PSD970/1		AGRALE
KC121	PS9029	WK1060/3X	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
KC121/1	PS9029	WK1030	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
KC122	PS8187	WK1040	PSD460/1		FIAT/ GM/ MERCEDES BENZ/ MONTANA PARRUDA/ VOLKSWAGEN
KC123		WK1060/5X			VOLVO
KC123/1	PS9028	WK1060/2	PSD490/1		SCANIA/ SCANIA ÔNIBUS/ VOLVO
KC124	PS9025	WK1060/1	PSD470/1		VOLVO
KC124/1	PS9025	WK1060/1	PSD470/1		GM/ MONTANA PARRUDA/ VOLVO
KC125	PS9026	WK1060	PSD480/1		IVECO/ MERCEDES BENZ
KC125/1	PS10610	WK1050/1	PSD480/1		IVECO/ MERCEDES BENZ
KC126	PS9027	WK1060/4	PSD480/1		MERCEDES BENZ
KC126/1	PS9027	WK1060			MERCEDES BENZ

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
KC127	PS7171	WK1156/1			MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
KC128	PS9028	WK1156	PSD490/1		MERCEDES BENZ/ SCANIA/ VOLVO
KC129					
KC129/1	PS8787	WK824	PSC406		FORD/ GM/ MERCEDES BENZ
KC130		WK854/1	PSD965		VOLKSWAGEN
KC131	PS10178		PSD964		FORD/ VOLKSWAGEN
KC132		WK710/5	PSC994		KIA MOTORS
KC133	P1103A	WK955/2	PSC172		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FORD/
KC134	P8264		PSC745		GM
KC166		WK842	PSC411		CASE/ FORD
KC18	P4183	WK842	PSC496		AGRALE/ ALFA ROMEO/ AUDI/ BMW/ CASE/ CITROEN/ FIAT/ FORD/
KC182		WK854/2	PSC455		IVECO
KC186		WK950/6	PSC494		IVECO
KC214	PS10061	WK950/19	PSC493		IVECO
KC22	P4159	WK814/1	PSC401		AUDI/ MERCEDES BENZ
KC222	P3376	WK11102/5	PSC085		CATERPILLAR
KC24	P4102	WK723	PSC72/2		AGRALE/ ATLAS COPCO/ BOB CAT/ CASE/ CUMMINS/ DYNAPAC/
KC251		WDK11102/9	PSC80		VOLVO
KC4	P4105	WK1162	PSC100		FIAT/ FIAT ALLIS/ MAXION/ NEW HOLLAND
KC437	P10607	WK1124	PSC491		VOLKSWAGEN
KC440	P9454	WK950/21	PSC75		FORD/ IVECO/ VOLKSWAGEN
KC441	P9422	WK940/10	PSC82		SCANIA/ SCANIA ÔNIBUS
KC46	P4886	WK920/1	PSC998		ASIA MOTORS/ HYUNDAI/ KIA MOTORS/ MITSUBISHI
KC6D	P4102/P4688	WK724			AGRALE/ BOB CAT/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/ FORD/
KC75	P5694	WK962/7	PSC79		VOLVO
KC83	P4922	WK940/1	PSC999		HYUNDAI/ MITSUBISHI/ TOYOTA
KC94	P5797	WK940/12	PSC84		CASE/ SANTAL/ SCANIA/ SCANIA ÔNIBUS
KL100/2		WK842/13			MERCEDES BENZ/ NISSAN
KL139		WK614/37			TOYOTA
KL140	G7612				TOYOTA
KL156/3		WK69/2			VOLKSWAGEN
KL174					MERCEDES BENZ
KL176					
KL176/6D		WK59X			AUDI/ SEAT/ VOLKSWAGEN
KL185	G7599	WK68/1X	GI09		HONDA
KL19					FERRARI/ MERCEDES BENZ
KL2	G3829	WK830	GI01		ALFA ROMEO/ AUDI/ BMW/ CITROEN/ FIAT/ FORD/ GM/ LAND ROV-
KL222	G5188	WK48/3	AG68		AGRALE/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/ ENGESA/ FIAT/
KL222/KL63					
KL223	G7649	WK613/4	GI07		
KL223/1	G8781	WK613/4	GI07/1		FORD/ VOLKSWAGEN
KL224	G3802A	WK712/4	GI06		
KL224/1	G9889F	WK712/4	GI06/1		
KL225	G5471	WK47/1	GI02		GM
KL225/1		WK47/1	GI02/2		GM
KL237	G5738	WK613/3	GI08/1		SEAT/ VOLKSWAGEN
KL237/1	G5738	WK613/3	GI08/1		VOLKSWAGEN
KL238D	G7729	WK510	GI41		FIAT
KL239/1	G5493	WK513	GI40/7		FIAT
KL316		WK842/14			GM/ NISSAN
KL33	P4173	WK31/5			MAZDA/ MERCEDES BENZ
KL41	P4836	WK842/3	PSC498		AGRALE/ FORD/ GM/ HONDA/ LAND ROVER
KL420	G9291	WK612/7	GI60/7		FORD
KL422			PSC453		VOLKSWAGEN
KL425		WK846	PSC451		FORD/ TROLLER

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
KL428					MAHLE E METAL LEVE
KL440/4					NISSAN
KL445		WK853/22			MERCEDES BENZ
KL465	G9412				FORD
KL582(Plus)	G9890F	WK58	GI04/7		ALFA ROMEO/ CHERY/ DAEWOO/ FIAT/ FORD/ GM/ TOYOTA
KL583(Plus)	G5857		GI50/7		CITROEN/ PEUGEOT/ RENAULT/ SEAT/ VOLKSWAGEN
KL60	G6400	WK613	GI03		BMW/ CITROEN/ FIAT/ GM/ MITSUBISHI/ PEUGEOT/ SEAT/ VOLKS-
KL60/2	G6400	WK613	GI03/1		FIAT/ VOLKSWAGEN
KL63	G12	WK44/4	GU86		AGRALE/ ASIA MOTORS/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/
KL635	G9892F	WK730/6	GI12/7		HONDA/ VOLKSWAGEN
KL66	G5774	WK516/1			BMW
KL72	G5857				CITROEN/ PEUGEOT/ RENAULT
KL740					HONDA
KL741					HONDA
KL747		WK940/35	PSC454		GM/ NISSAN
KL75	P5328	WK842/4	PSC498/1		FORD/ GM/ SEAT/ VOLKSWAGEN
KL761		WK853/15	PSC498/2		FORD
KL774		WK718/1			FORD/ PUMA/ VOLKSWAGEN
KL79	G5870	WK730/1	GI10		AUDI/ VOLKSWAGEN
KL79/3	G5870	WK730/1	GI10		AUDI/ VOLKSWAGEN
KL796			PFC15		CASE/ FORD
KL83	G5540	WK58	GI04		ALFA ROMEO/ DAEWOO/ FIAT/ FORD/ GM
KL84					SEAT/ VOLKSWAGEN
KL870					CASE/ JOHN DEERE/ KOMATSU/ NEW HOLLAND/ STEYR-DAIMLER-
KX182/1D	C9517	PU941x			SCANIA/ SCANIA ÔNIBUS
KX206D			PC948		RENAULT
KX208D	C10705	PU723X	PEC3023		CITROEN/ FIAT/ PEUGEOT
KX212					TROLLER
KX218D	C9927ECO	P718/1X	PC947		RENAULT
KX23	C1191	P917X	PC2/155		AGRALE/ ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/
KX24	C4163	P945X	PC2/255		CHRYSLER/ CLARK/ FORD TRATORES/ GM/ MASSEY FERGUSON/
KX25	CH816PL	P824	PC162A		CASE/ MAXION
KX268D	C10353	PU835X	PC949		TOYOTA
KX269			PC946		IVECO
KX35	C11860PL	P707	PC945		AGRALE/ BANTAN/ BOSCH/ CASE/ CBT/ CHRYSLER/ CLARK/
KX36	C11861PL	P811			BOSCH/ EATON YALE/ MERCEDES BENZ
KX43	C11860ZP	BFU707	FC161		AGRALE/ BANTAN/ BARBER GREENE/ CASE/ CBT/ CHRYSLER/
KX44	C11861ZP	BFU811SCI	FC165		ATLAS COPCO/ CASE/ DEUTZ/ DYNAPAC/ EATON YALE/ FIAT
KX49	C11864ZP	BFU700SCI	FC164		MERCEDES BENZ/ SLC
KX67/2D	C8826	PU1046X	PEC3022		MERCEDES BENZ
KX72D1					MERCEDES BENZ
KX80D	C9932ECO	PU999/1X	PEC3021		MERCEDES BENZ
KX88/1D	CS3504	P1278/1	PD202		SCANIA
KX89/2D	CS3558	P1234	PD204		RANDON/ SANTAL/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
KX90		P44	PC505		YANMAR
KX91	C1166PL	P934A	PC4H8792		CATERPILLAR/ GARDNER DENVER
KX92D	C1143PL	P15159	PC812		CUMMINS/ KOMATSU/ SLC
LA109	CF9466	CU1828	ACP885		TOYOTA
LA11	CF5475	CU4251	ACP003		GM
LA117	CF9495	CU3337	ACP005		GM
LA120	CF9323	CU2545	ACP303		VOLKSWAGEN
LA122/S	CF10108		ACP703		HONDA
LA123	CF8890	CU4442	ACP105		CITROEN/ FIAT/ IVECO/ PEUGEOT
LA13	CF5474	CU3979			
LA138	CF10109	CU2940	ACP903		CITROEN/ COMPAIR/ CUMMINS/ PEUGEOT/ VOLVO

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LA142	CF9533	CUK2422	ACA104		FIAT
LA144		CU2335	ACP131		FIAT
LA153	CF9479	CU2655	ACP900		CITROEN
LA155					HONDA
LA169	CA9666	CU2433	ACP202		FORD
LA180		CU2329			CHRYSLER
LA189	CF9807	CU2143	ACP004		GM
LA21	CF5665	CU3455			GM
LA23		CU2525			RENAULT
LA25	CF5664	CU5257			FORD
LA26	CF5845				PEUGEOT
LA298	CF10248	CU2434	ACP977		KIA MOTORS
LA301	CF10210	CU2336	ACP972		HYUNDAI/ KIA MOTORS
LA31	CF5663	CU2882	ACP300		AUDI/ SEAT/ VOLKSWAGEN
LA32	CF5846				PEUGEOT
LA33	CF5849				RENAULT
LA34	CF5823	CU3942			ALFA ROMEO/ FIAT
LA343		CU2362	ACP974		HYUNDAI/ KIA MOTORS
LA344			ACP708		HONDA
LA37	CF5842	CU2897			MERCEDES BENZ
LA395			ACP886		TOYOTA
LA396		CU1936	ACP727		NISSAN
LA40	CF9086				
LA422	CF9478	CU2629	ACP103		FIAT
LA432		CU1722	ACP009		SCANIA/ SCANIA ÔNIBUS
LA439			ACP821		IVECO
LA44		CU2672			VOLKSWAGEN
LA45	CF5662	CU3955	ACP298		AUDI/ VOLKSWAGEN
LA46	CF5824	CU3192			AUDI
LA47/S		CU2745-2			MERCEDES BENZ
LA472		CU2442			GM
LA49	CF5863	CU4151			GM
LA499	CF8989	CU2344	ACP100		FIAT
LA531	CF10776	CU19001	ACP976		KIA MOTORS
LA56	CF5819	CU2951	ACP102		ALFA ROMEO/ FIAT
LA569		CU2227			DODGE/ FIAT
LA57	CF9071	CU3448	ACP800		PEUGEOT
LA591	CF9084	CU3162	ACP305		VOLKSWAGEN
LA60	CF9086	CU2734	ACP552		
LA601	CF9034	CU2504	ACP101		FIAT
LA605			ACP304		VOLKSWAGEN
LA606			ACP551		RENAULT
LA607			ACP709		HONDA
LA608			ACP971		HYUNDAI
LA609	CF5893				RENAULT
LA610	CF9854				CASE
LA611/S			ACP481		MITSUBISHI
LA612	CF10829	CU20001	ACA904		FIAT
LA632					CHERY
LA633					FIAT
LA642	CF10845				FORD
LA643					HYUNDAI
LA646					GM
LA647					TOYOTA
LA648			ACP979		HYUNDAI

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LA649					KIA MOTORS
LA650	CF9655	CU1722	ACP009		SCANIA
LA651					MERCEDES BENZ
LA652/S	CF10864				VOLKSWAGEN
LA653	CF5892		ACP007		VOLVO
LA654/S		CU22002-2			GM/ SUZUKI
LA655		CU1919	ACP887		TOYOTA
LA656					VOLVO
LA660					VOLVO
LA665					RENAULT
LA668			ACP707		HONDA
LA676					JOHN DEERE
LA677	CF9656	CU5877	ACP973		MERCEDES BENZ
LA678		CU4469			MERCEDES BENZ
LA689					DENSO
LA690					DENSO
LA691					DENSO
LA692					THERMO KING
LA693					THERMO KING
LA694					DENSO
LA695					CARRIER
LA696					THERMO KING
LA697					MERCEDES BENZ
LA698					JAC MOTORS
LA702	CF10860	CU37001			SCANIA
LA74	CF8867	CU2757	ACP006		GM
LA75	CF8868	CU3054	ACP001		GM
LA752			ACP204		FORD
LA77	CF5817	CU3554	ACP200		FORD/ MAZDA
LA78	CF8331	CU3567	ACP203		FORD
LA785					FORD
LA8	CF5551	CU2225			CITROEN/ PEUGEOT
LA81	CF8777				MERCEDES BENZ
LA817/S		CU2623			NISSAN
LA818		CU22007			NISSAN
LA819					HYUNDAI/ KIA MOTORS
LA82	CF5865		ACP700		HONDA/ LAND ROVER
LA820					RENAULT
LA83	CF9051	CU3858	ACP600		MERCEDES BENZ
LA87	CF9085	CU2945	ACP550		RENAULT
LA9	CF5864	CU2861	ACP797		PEUGEOT
LAK11					GM
LAK117					GM
LAK181		CU2939			VOLKSWAGEN
LAK31					
LAK37					MERCEDES BENZ
LAK422					FIAT
LAK44					
LAK45					
LAK46					AUDI
LAK58					AUDI
LAK612			ACA904		FIAT
LAK62					BMW/ LAND ROVER
LAK63		CUK2862	ACA306		AUDI/ VOLKSWAGEN
LAK633					FIAT

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LAK74		CUK2757			
LAK81	CF8777	CUK3780	ACA905		MERCEDES BENZ
LAK98					MERCEDES BENZ
LX1048		C25117/2	ARL8108		PEUGEOT
LX1055	CA5347	C371774	AP5571		VOLVO
LX1055/1					
LX1056	CA5626	C27844	AP9836		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
LX1056/1	CA5626	C27844	AP9836		
LX1057	CA4989	C13200	AP2888		AGRALE/ MULLER/ VALMET
LX1062	CA237	C1371	AP8048		CATERPILLAR
LX1063	CA236	C16140	AP4935		CATERPILLAR
LX1064	CA3105	C20164	AP2813		HYUNDAI
LX1065	CA2647	C2799	AP1026		CHRYSLER/ FORD/ MULLER/ VOLKSWAGEN
LX1066	C5499	C1158	ARL1116		ASIA MOTORS/ DAIHATSU
LX1067	CA5901		AP1009		MINI
LX1068	CA5812	C22181	AP1002		ASIA MOTORS/ KIA MOTORS
LX1069	CA9418	C301622	ARS1189		SCANIA
LX1070	CA9032	C27902	ARS9837		IVECO/ MERCEDES BENZ/ VOLVO
LX1092	CA7139		ARS2711		GM
LX1093	CA9033	C20457	ARS9838		MERCEDES BENZ/ MONTANA PARRUDA
LX1094	CA8840	C21105	AP1012		ASIA MOTORS/ KIA MOTORS
LX1095	CA8243	C23121	ARL9606		FORD/ MAZDA
LX1096	CA5971	C21367	AP5462		FORD
LX1097	CA5813	C18142	AP1001		KIA MOTORS
LX1098	CA5189	C351592	AP5570		VOLVO
LX1098/1	CA5189	C351592	AP5570		
LX1100	CA598	C30883	AP7716		CATERPILLAR
LX1101	CA226	C29624	AP4934		CATERPILLAR
LX1102		54501067114	AP780		VOLVO
LX1142	CA5741	C17337	ARS8889		
LX116	CA224	C24444	AP8047		CATERPILLAR
LX1281	CA9560	C341500	AP5572		VOLVO
LX1286	CA9482	C2620	ARL 2202		TOYOTA
LX1287	CA9315	C3485/3	ARL5053		CITROEN
LX1298	CA8040	C2329	ARL1030		HONDA/ NISSAN/ SUBARU
LX1312	CA8736	C2693	ARL9605		FORD
LX1313/1	CA9747	C271340	ARS9840		MERCEDES BENZ/ VOLVO
LX1314		C20500	ARS3003		AGRALE
LX1315	CA5981	C1944	ARL8834		GM
LX1316	CA3914		ARL8841		GM
LX147	CA4524	C13109	AR7703		CHRYSLER/ RENAULT
LX1563					RENAULT
LX157/1	CA2718	C2120	AR2147		DAIHATSU/ FIAT
LX1587			AP5573		VOLVO
LX1589			ARL9609		FORD
LX1597	CA9511	C4151	ARL9608		FORD
LX1598	CA8782	C2677/1			FORD/ MAZDA
LX1645	CA10165	C2240	ARL1034		HONDA
LX1673	CA9745	C16400	ARS8842		
LX1687/1	CA9744	C15300	ARS7109		AGCO/ MAXION/ MITSUBISHI/ NISSAN/ VOLVO
LX1689		C3221			HONDA
LX17	CAK258	C16192	AP6774		CASE/ CBT
LX1711		C1733	ARL5136		PEUGEOT/ RENAULT
LX1712	CA5929	C2776	ARL9607		FORD
LX1713		C18263	ARS7990		FORD

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LX1716	CA5626PU	C27830	ARS9839		FORD/ MERCEDES BENZ/ VOLKSWAGEN
LX1745	CA10237	C4292	ARL5049		PEUGEOT
LX1765		C25118/1			CITROEN/ PEUGEOT
LX1770	CA9378	CA28105			FIAT
LX1774		C29840	ARS2501		
LX1777	CA7480	C321170	ARS5135		CATERPILLAR
LX1779	CA9290	C2969	ARL6096		VOLKSWAGEN
LX1780/3		C16134/1	ARS5196		FORD
LX1785		C2631	ARL2331		HYUNDAI/ KIA MOTORS
LX1801	CA9746	C23610	ARS5134		AGRALE/ MASSEY FERGUSON
LX1802	CA10028	C11100			AGRALE
LX1821	CA5873		ARL1713		KIA MOTORS
LX1937	CA7774	C1761			
LX1993		C3324			HONDA
LX200	CA3105	C13114/4	AP8528		AGRALE/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD TRATO-
LX200/1	CA3105	C13114/4	AP8528		
LX202	CA2732	C2646	AR6089		FORD/ VOLKSWAGEN
LX208/1	CA3333	C2852/2	AR9620		AUDI/ FORD/ GM/ GURGEL/ PUMA/ SEAT/ VOLKSWAGEN
LX2082/1	CA5699	C321420/1	ARS8235		IVECO
LX2093	CA10085	C43102			VOLKSWAGEN
LX2124		C16244			FORD
LX2125	CA9916	C23107	ARS7065		TOYOTA
LX227	CA4685	C23440/1	AP4440		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
LX236	CA4202	C17225/3	AP2710		CASE/ CBT/ COMPAIR/ DEMAG BAGGER/ DYNAPAC/ FORD/ FORD
LX241	CA3290	C24650	AP4650		ATLAS COPCO/ EATON YALE/ KOMATSU/ MANNESMANN/ RANDO-
LX243	CA3291A	C20325	AP2032		AGRALE/ BUCYRUS ERIE/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/
LX2526	CA9129PU	C11127	ARS1029		FIAT
LX2527		C14230	ARS6940		CASE
LX2528		C24580	ARS2499		CATERPILLAR
LX2529	CA8852	C16197	ARS2869		
LX2530		C24203			TOYOTA
LX2531	CA9833	C11102	ARS7991		
LX2532	CA100221	C18450/1	ARS8236		IVECO/ TROLLER
LX2533	CA9369	C21470	ARS5673		FORD/ VOLKSWAGEN
LX2534		C24760			
LX2619	CA10030	C25710			
LX2620	CA10031	C30810/4			MASSEY FERGUSON
LX2621	CA10477	C281012			MERCEDES BENZ
LX2642	CA10094	C2278	ARL9602		FORD
LX2643	CA10131				FIAT
LX2644	CA10130				FIAT
LX2645	CA5058	C2850	ARL1069		FORD
LX2646		C17232	AP7992		FORD
LX265	CA3291	C20325/2	AP9834		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
LX2689			AR1018		KIA MOTORS
LX271/2	CA3280	C24650/1	AP4650/1		ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/ FIAT/ HUBER
LX2713			AP8606		NEW HOLLAND
LX272	CA4260	C1176/3	AR2867		AGRALE/ ATLAS COPCO/ BAMBOZZI/ VOLKSWAGEN
LX273	CA4215	C30850/2	AP9835		CASE/ CLARK/ FIAT/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTA-
LX2739					HYUNDAI/ KIA MOTORS
LX275	CA3295	C15165/3	AP7108		AGRALE/ ATLAS COPCO/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD
LX2818		C2266			FORD
LX2830		C2680	AR7705		RENAULT
LX2867					FORD
LX290	CA3154	C1380	AR7702		CITROEN/ GM/ RENAULT

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LX2959		C13145	ARS6333		CATERPILLAR/ JOHN DEERE/ KUBOTA/ YANMAR
LX3011	CF9853				MASSEY FERGUSON/ MAXION
LX307	CA4309	C2964			NISSAN/ SUBARU
LX3106		C1315	ARM449/1		HONDA
LX3107		C1428	ARM448/1		HONDA
LX3108	CA9834	C1016	ARM447/1		HONDA
LX3109	CA9835	C1425	ARM446/1		HONDA
LX3110			ARM445/1		YAMAHA
LX3111		C1215	ARM444/1		HONDA
LX3115		C29003			FIAT
LX3116					CHERY
LX3190		C18360	ARS6223		JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
LX3236	CA10564		AR8113		HYUNDAI
LX3259					CASE/ NEW HOLLAND
LX3261					CASE
LX330	CA5229	C18121	AR7701		RENAULT
LX3304					FORD
LX335	CA5636	C60345			MERCEDES BENZ
LX3452					HYUNDAI
LX390	CA5400	C3178			GM
LX405	CA5370		ARL6092		SEAT/ VOLKSWAGEN
LX414	CA4567	C2991/1	ARL8836		GM/ VOLVO
LX418	CA5377	C28136/1	ARL6094		SEAT/ VOLKSWAGEN
LX435	CA5357	C26138/1	ARL9601		FORD
LX448	CA5108	C26168	ARL8837		AUDI/ BMW/ GM/ VOLKSWAGEN
LX450	CA4221A	C30880/2	AP1186		SCANIA/ SCANIA ÔNIBUS
LX453	CA5140	C2571/1	ARL2506		ALFA ROMEO/ FIAT
LX478/1	CA4813	C17129			CITROEN/ FIAT/ PEUGEOT
LX485	CA6664				SUZUKI
LX488	CA5488	C3173			CITROEN/ PEUGEOT/ RENAULT
LX496	CA5222	C15127/1			MERCEDES BENZ
LX513	CA8668	C32338/1	ARL5310		MERCEDES BENZ
LX523	CA5496	C2256	ARL8832		GM
LX531	CA9381	C30703	AP5773		SCANIA ÔNIBUS
LX55	CA4259	C1399	AR3147		FIAT
LX567	CA5712	C15127/2	AP8518		MERCEDES BENZ
LX572	CA5111	C33156	ARL8103		CITROEN/ PEUGEOT
LX58					MERCEDES BENZ
LX589	CA5495	C2664	ARL2505		FIAT
LX59					VOLVO
LX610		C16247/1	ARS8233		IVECO
LX611	CA5611	C17278	ARS1013		CITROEN/ FIAT/ PEUGEOT
LX614	CA5680	C34116/1	ARL8839		GM
LX618	CA5630A	C25100	ARL2507		ALFA ROMEO/ FIAT
LX626	CA10866	C331600/2	AP7554		IVECO
LX64	CA4261	C3338	AR6084		FORD
LX643	CA8674	C2159	ARL5050		CITROEN/ PEUGEOT
LX645/1	CA8674	C2159	ARL5050		PEUGEOT
LX646/1	CA8774	C1145/5	AR7704		
LX677	CA8121				KIA MOTORS
LX684	CA5827	C37153	ARL6093		AUDI/ VOLKSWAGEN
LX687	CA5682	C2677	ARL9603		
LX708		C2295/3			VOLKSWAGEN
LX709					
LX712	CA9419	C301500	ARS1188		SCANIA

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LX714			ARS1187		SCANIA
LX735	CA5970	C30130	ARL8840		GM
LX744		C32123	ART5052		CITROEN/ PEUGEOT
LX760	CA502	C311390	AP4807		CASE/ CUMMINS/ SANTAL
LX773	CA8964	C1858/1	ART5051		NISSAN/ RENAULT
LX776	CA9388	C291032/1			MERCEDES BENZ
LX794	CA8789				MERCEDES BENZ
LX795		C1995			CITROEN/ PEUGEOT
LX811	CA5466	C2731/1			TOYOTA
LX832	CA5585	C271520			VOLVO
LX848	CA7174				HONDA
LX862		C2337			GM/ SUZUKI
LX876	CA8821	C32199	ARL5137		RENAULT
LX900/1	CA3191	C1732	AR6195		GURGEL/ VOLKSWAGEN
LX901	CA4258C	C1513	AR6196		VOLKSWAGEN
LX902/1	CA2653	C2639	AR3589		AGRALE/ CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MA-
LX903/1	CA2737	C1535/1	AR6193		HOSS VOEGELE/ PUMA/ PUTSMEISTER/ VOLKSWAGEN
LX904/1	CA3130	C1522	AR6194		PUMA/ VOLKSWAGEN
LX905/1	CA303	C2840	AR6016		FORD/ HONDA
LX906	CA5156	C26111	ARL6090		FORD/ VOLKSWAGEN
LX907	CA5325	C2496	ARL4147		FIAT
LX908	CA5627	C2585	ARL4150		FIAT
LX909	CA5513	C29108	ARL6091		VOLKSWAGEN
LX910	CA283A	C17308	AP7998		AGRALE/ FORD/ MERCEDES BENZ/ VOLKSWAGEN
LX912	CA4255	C1137	AP1008		TOYOTA
LX93	CA5155	C311093/2	AP5569		VOLVO
LX957/3	CA9784	C2512	ART5054		NISSAN/ RENAULT
LX958	CA4336	C2648	AR8833		GM
LX960	CA5961PU	C14200	ARS2868		GM/ MASSEY FERGUSON/ VOLKSWAGEN
LX961	CA5356	C13100	AR4148		FIAT
LX962	CA5837	C2982/1	ARL9604		FORD
LX963	CA2672	C1253	AR2953		FORD/ VOLKSWAGEN
LX964	CA7421	C2970	ARL8838		GM
LX969	CA4376	C18378	AP4960		FORD TRATORES
LX970	CA4221	C30880/1	AP1185		SCANIA
LX971	CA4691	C27798	AP5461		FORD/ VOLKSWAGEN
LX972	CA546	C21493	AP5460		FORD/ VOLKSWAGEN
LX973	CA3289	C29254/1	AP7023		CASE/ FORD/ GM/ MAXION/ VOLKSWAGEN
LX974	CA282A	C17262/1	AP7997		FORD
LX975	CA282	C17262	AP7996		FORD
LX977		C2998/5			VOLKSWAGEN
LX989	CA7142	C2332			MINITRUCK
LX998	CA9410	C2295/2	ART6098		FORD/ VOLKSWAGEN
LX999		C30125/1	ARL8825		GM
LXS219	CA9746SY	CF600/1	ASR353		AGRALE/ MASSEY FERGUSON
LXS225	CA4376SY	CF1030	AS500		FORD TRATORES
LXS226	CA4692SY	CF1310	AS836		FORD/ VOLKSWAGEN
LXS227	CA4691SY	CF1400	AS835		FORD/ VOLKSWAGEN
LXS229	CA5971SY	CF1560	AS837		FORD
LXS230	CA7139SY		ASR815		GM
LXS231	CA282SY	C1157/2	AS950		FORD
LXS232	CA598SY	C20187/1	AP7360		CATERPILLAR
LXS251	CA9352SY	CF500	ASR203		AGRALE
LXS259		CF300/1	ASR806		AGCO/ MAXION/ VOLVO
LXS260	CA5626SYP		ASR839		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
LXS261		CF1550	ASR837		IVECO/ MERCEDES BENZ/ VOLVO
LXS262	CA9418SY	CF1711	ASR870		SCANIA
LXS263		CF933	ASR838		MERCEDES BENZ/ MONTANA PARRUDA
LXS282		CF2000	AS572		VOLVO
LXS287	CA9380SY	CF1610	AS116		SCANIA ÔNIBUS
LXS288	CA9419SY	CF1710	ASR188		SCANIA
LXS292	CA10764SY	CF360			JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
LXS295		CF200/1	ASR868		MASSEY FERGUSON
LXS296			ASR673		FORD/ VOLKSWAGEN
LXS298					CASE
LXS299	CA502SY	C19171	AS213		CASE/ CLARK/ CUMMINS/ EATON YALE/ FIAT ALLIS/ GARDNER
LXS312		CF1651			MERCEDES BENZ/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
LXS37/1	CA3291SY	CF1000	AS820		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
LXS40/1	CA3105SY	CF600	AS801		AGRALE/ BANTAN/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD
LXS41/1	CA4202SY	CF800	AS810		CASE/ CBT/ COMPAIR/ DYNAPAC/ FORD/ FORD TRATORES/ GARD-
LXS42/1	CA4685SY	CF1200	AS830		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
LXS43/1	CA3280SY	CF1300	AS840		AM HOIST/ ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/
LXS44/1	CA5483SY	CF1600	AS860		CASE/ CLARK/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTAL/
LXS5/1	CA3295SY	CF700	AS805		AGRALE/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD TRATORES/ GM/
LXS7229	CA7480SY	CF21239	ASR513		CATERPILLAR
LXS7231		C20168	AS571		VOLVO
LXS7233	CA5407	C20118	AS381		VOLVO
OC100	PH4703	W712/8	PSL135		ATLAS COPCO/ CITROEN/ LOMBARDINI/ PEUGEOT
OC1018	PH6018		PSL639		SUZUKI
OC1019	PH6017A	MW64	PSL638		HONDA/ KAWASAKI
OC1021	PH6022		PSL637		HARLEY DAVIDSON
OC1028FLEX	PH5949				FIAT/ MITSUBISHI
OC1029FLEX	PH5713				FORD
OC1030FLEX	PH4722				FIAT/ GM
OC1031FLEX	PH4701				FIAT/ GM
OC105					
OC1055		W719/50	PSL541		FORD
OC1062	PH5529	WP1045	PSL158		KIA MOTORS/ MITSUBISHI
OC114	PH13	W936/8	PSL959		CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MATILDE
OC115		W814/80	PSL131		HONDA/ MAZDA
OC121	PH49A	W11102/4	PSL417		CATERPILLAR/ DYNAPAC/ GM/ SCANIA/ VOLVO
OC122	PH3335	W13145/2	PSL405		CATERPILLAR
OC175		W962/14	PSH962		ATLAS COPCO
OC18	PH9A	W920/7	PSL171		AGRALE/ AM HOIST/ ATLAS COPCO/ BOB CAT/ CASE/ CHRYSLER/
OC195	PH6607	W67/80	PSL78		ASIA MOTORS/ KIA MOTORS/ MAZDA/ NISSAN/ RENAULT/ SUZUKI
OC2	PH4826	W950/35	PSL325		ASIA MOTORS/ CITROEN/ PEUGEOT
OC204	PH2861B	W917	PSH421		VOLVO
OC205		W815/80	PSL130		ASIA MOTORS/ DAIHATSU/ GM/ HONDA/ HYUNDAI/ KIA MOTORS/
OC23	PH2863	W920/31	PSL47		ALFA ROMEO/ BMW/ CHRYSLER/ FIAT/ FORD/ LADA
OC235	PH5713	W712/43	PSL145		BMW/ CHERY/ CITROEN/ FORD/ KIA MOTORS/ MAZDA/ TOYOTA
OC236		W920/6			CHRYSLER
OC239	P3828	W1114/80	PSL322		KIA MOTORS
OC246					
OC248	PH4847A	WP1144	PSL156		CITROEN/ FIAT/ IVECO/ PEUGEOT/ RENAULT/ SEAT
OC250	PH8839	W712/5	PSL560		SEAT/ VOLKSWAGEN
OC259	PH8999	W610	PSL55		FIAT/ HONDA/ KIA MOTORS
OC26	PH2842	W940/18	PSL123		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
OC261	PH5443	W923/1	PSL902		FORD/ GM/ LAND ROVER/ MERCEDES BENZ
OC266	PH5803	W719/27	PSL144		FORD
OC267		WP1169			IVECO

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
OC272			PSL43		FIAT
OC274	PH6355A	WP928/81	PSL327		ALFA ROMEO/ HYUNDAI/ KIA MOTORS/ MAZDA/ MITSUBISHI
OC275	PH5123	WP928/80	PSL128		TOYOTA
OC282	P3555PL	WP11102	PSL419		
OC282					CATERPILLAR/ VOLVO
OC299	PH4853	W921/80	PSL323		KIA MOTORS
OC30	PH4934	W950/9	PSL418		ATLAS COPCO/ FIAT ALLIS/ VOLVO
OC300	PH927A	W915/9	PSL565		FORD/ GM/ VOLKSWAGEN
OC301	PH2845	W930/6	PSL958		AGRALE/ CLARK/ EATON YALE/ ENGESA/ GM/ HYSTER/ PUMA
OC302	PH7014	W1167/2	PSL569		FORD/ FORD TRATORES/ NEW HOLLAND
OC303	PH7136	W1168/5	PSL301		MERCEDES BENZ/ SCANIA
OC304	HPH6349A	WP12300	PSL300		CASE/ CUMMINS/ FIAT ALLIS/ FORD/ RANDON/ VOLKSWAGEN
OC308	PH977B	W950/7	PSL675		ATLAS COPCO/ CASE/ CBT/ CIBER/ DYNAPAC/ FORD/ FORD
OC309	PH5796	W75/2	PSL77		NISSAN/ PEUGEOT/ RENAULT
OC317	PH2862C	W712/12	PSL62		CHERY/ DAEWOO/ GM
OC318	PH2856	W920/41	PSL321		ASIA MOTORS/ CHERY/ CHRYSLER/ GM/ HYUNDAI/ KIA MOTORS/
OC319	PH3757	W1262	PSL281		CLARK/ CUMMINS/ ENGESA/ FIAT ALLIS/ HUBER WABCO/
OC320	PH3976	W950/16	PSL280		CASE/ CLARK/ CUMMINS/ FORD/ KOMATSU/ MANNESMANN/ MAS-
OC324	PH2821C	W934	PSL900		AGRALE/ ATLAS COPCO/ AUDI/ BANTAN/ BARBER GREENE/ CASE/
OC332	PH5426	W923	PSL617		GM
OC333	PH3900	W940/34	PSL282		CASE/ FORD
OC334	PH6643		PSL567		FORD/ FORD TRATORES
OC335		W1135	PSL836		VALMET
OC336	PH36	W934/2			CATERPILLAR
OC35	PH2883	W1170	PSL339		AGRALE/ BOB CAT/ FIAT/ FIAT ALLIS/ FORD/ FORD TRATORES/
OC38	PH2895	W723/3	PSL408		AUDI/ CBT/ CIBER/ EATON YALE/ MASSEY FERGUSON/ MAXION/
OC40	PH2960	W11102/9	PSL568		CASE/ FORD
OC403		W11102/18			SCANIA/ SCANIA ÔNIBUS
OC404		W1323	PSL340		AGRALE/ GM/ MITSUBISHI/ NISSAN/ TROLLER/ VOLKSWAGEN
OC47	PH2870B	W719/5	PSL562		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
OC475	TM5	W66	PSL78		RENAULT
OC502	PH9617	W950/26	PSL283		FORD/ IVECO/ VOLKSWAGEN
OC504 PLUS	PH10905	W7 multi 18	TM3		DAEWOO/ FIAT/ GM
OC505 PLUS	PH10906	W7 multi 20	TM4		ALFA ROMEO/ ATLAS COPCO/ CITROEN/ FIAT/ HYUNDAI/ LOM-
OC506 PLUS	PH10907	W7 multi 3/4S	TM1		ALFA ROMEO/ BMW/ CHRYSLER/ CITROEN/ FIAT/ FORD/ KIA MOT-
OC507		W1173	PSL400		ATLAS COPCO/ CASE/ CATERPILLAR/ GARDNER DENVER/ GM
OC522 PLUS	PH10908	W7 multi 3/4D	TM2		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
OC529	PH49	W1173	PSL400		CASE/ CATERPILLAR
OC530	PH3335	W131452	PSL405		CATERPILLAR
OC531	PH3375	W12106	PSL270		CUMMINS
OC532	P3555A	W12100	PSL277		CUMMINS
OC534	PH4967	W68/80	PSL129		CHRYSLER/ DAIHATSU/ NISSAN/ RENAULT/ SUZUKI/ TOYOTA
OC541		WP12300			CASE
OC60	PH2801B	W962	PSL962		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
OC600	PH10904	W6 multi 20	TM5		FIAT/ HONDA/ KIA MOTORS/ MITSUBISHI/ NISSAN/ RENAULT
OC613		W940/69	PSL655		CITROEN/ FIAT/ IVECO/ PEUGEOT
OC66	PH4558	W713/16	PSL45		ALFA ROMEO/ FIAT
OC67	PH8A	W940/81	PSL714		BANTAN/ BOB CAT/ CASE/ CHRYSLER/ FORD/ FORD TRATORES/
OC704	PH5511	W79	PSL51		RENAULT
OC728	PH9648	W75/5			GM
OC81	PH3980	W719/31	PSL620		GM
OC90	PH4701	W712/22	PSL619		DAEWOO/ FIAT/ GM
OX133D		HU727/1X			MERCEDES BENZ
OX135/1D		HU610X			MERCEDES BENZ
OX137D	CH5262	H947/1	PL366		CASE/ MERCEDES BENZ/ SLC

MAHLE E METAL LEVE	FRAM	MANN	TECFIL	LINHA	APLICAÇÃO
OX150D	CH5261	H932/4	PL364		MERCEDES BENZ/ TOYOTA
OX153/7D		HU718/1			MERCEDES BENZ
OX154/1D		HU925/4X			BMW
OX161/D	CH8751	HU931/5			MERCEDES BENZ
OX168D		HU12140X	PEL2001		MERCEDES BENZ
OX169/1D		HU932/8X			FORD/ TROLLER
OX174D		HU945/2X			MERCEDES BENZ
OX175D		HU816/2x			BMW/ CHRYSLER/ FIAT
OX179D		HU721/2X	PEL107		MERCEDES BENZ
OX188D					VOLKSWAGEN
OX18D	CH813PL	H820/3X	PL957		ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/ CASE/
OX193D	CH9443 ECO	HU612x	PEL110		CITROEN/ COMPAIR/ PEUGEOT
OX197D	CH2927	H12111X	PL519		BANTAN/ BARBER GREENE/ CLARK/ DYNAPAC/ EATON YALE/
OX198D	C175A	PF19326	L750C		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENG-
OX199D	CH4829	H1271	PL442		CASE/ CBT/ CLARK/ DYNAPAC/ EATON YALE/ FIAT ALLIS/ GALION/
OX200D	CH834PL	H1034/3	PL265		ATLAS COPCO/ BMW/ BUCYRUS ERIE/ CASE/ CBT/ CLARK/ EATON
OX209D		HU611X			RENAULT
OX210D	CH9462ECO	HU923X	PEL312		RENAULT
OX213	C1655PL	H1049/1			
OX214D	C3PL	P1044	PL3		EATON YALE/ FORD
OX215D	CH200PL	H941	PL390		GM
OX216	CH155APL	H1074	PH1960		CATERPILLAR
OX217D	CH238PL	H1496	PL6H9999		ATLAS COPCO/ CATERPILLAR/ GARDNER DENVER/ INGERSOLL
OX218D	CH211A	H13153	PL516		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENG-
OX219	C1677	H837	PH837		CATERPILLAR
OX30D	C30DB	PF1190	L90		CLARK/ DYNAPAC/ EATON YALE/ ENGESA/ MERCEDES BENZ/
OX339/2D	CH9973ECO	HU711/51X	PEL108		CITROEN/ FORD/ PEUGEOT
OX348D	CH9558	HU12110X	PEL2004		MERCEDES BENZ
OX351D		HU7013x			HYUNDAI
OX379D	CH9911	HU719/6X			VOLKSWAGEN
OX388D					VOLKSWAGEN
OX3D	CH191APL	H1072/11X	PL9F6700		CATERPILLAR/ GARDNER DENVER/ KOMATSU
OX410D	CH6015	MH54X	PL153		HONDA
OX43D	CH28011	H932/1	PL425		TOYOTA
OX47D	CH962PL	H720	PL46		CASE/ IDEAL/ MASSEY FERGUSON/ MAXION/ MERCEDES BENZ/
OX5D	CH33APL	H11106/1	PL132/1		CASE/ FIAT ALLIS/ PUMA/ SLC
OX68D		HU926/3X			BMW
OX69D	CH2962	H12110/2X	PL447		MERCEDES BENZ
OX71D	CH2963	H1275X	PL449		MERCEDES BENZ
OX75D	CH2989	H1164	PL345		HUBER WABCO/ LIEBHERR/ MERCEDES BENZ/ SANTAL
OX773D		HU824x	PEL114		HYUNDAI/ KIA MOTORS
OX827D	CH9713ECO	HU713/1X	PEL118		FIAT
OX85D	C4DB	PF1155	L4/1		ATLAS COPCO/ BANTAN/ CASE/ CBT/ CLARK/ EATON YALE/ FIAT
OX91D		HU921X			BMW
OX95D					
OX98D	CH5412	PF1055/1X	PL180		MERCEDES BENZ
TB1208					GM
UX1D					
UX2D					
WFC1	PR3304	WA940/1	PSA299		
WFC2	PR3908	WA923/1	PSA331		
WFC3	PR3392A	WA956/1	PSA761		
WFC4	PR3909	WA921/1	PSA272		

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
C10353	KX268D	PU835X	PC949		TOYOTA
C10705	KX208D	PU723X	PEC3023		CITROEN/ FIAT/ PEUGEOT
C1143PL	KX92D	P15159	PC812		CUMMINS/ KOMATSU/ SLC
C1166PL	KX91	P934A	PC4H8792		CATERPILLAR/ GARDNER DENVER
C11860PL	KX35	P707	PC945		AGRALE/ BANTAN/ BOSCH/ CASE/ CBT/ CHRYSLER/ CLARK/ DYN-
C11860ZP	KX43	BFU707	FC161		AGRALE/ BANTAN/ BARBER GREENE/ CASE/ CBT/ CHRYSLER/
C11861PL	KX36	P811			BOSCH/ EATON YALE/ MERCEDES BENZ
C11861ZP	KX44	BFU811SCI	FC165		ATLAS COPCO/ CASE/ DEUTZ/ DYNAPAC/ EATON YALE/ FIAT ALL-
C11864ZP	KX49	BFU700SCI	FC164		MERCEDES BENZ/ SLC
C1191	KX23	P917X	PC2/155		AGRALE/ ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/
C1655PL	OX213	H1049/1			
C1660	HX52	H1497/1	PH64		CATERPILLAR
C1664PL	HX51D	H1291/1	PH520		CASE/ CBT/ CLARK/ HUBER WABCO/ MAXION/ MULLER/ SANTAL/
C1677	OX219	H837	PH837		CATERPILLAR
C175A	OX198D	PF19326	L750C		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENG-
C30DB	OX30D	PF1190	L90		CLARK/ DYNAPAC/ EATON YALE/ ENGESA/ MERCEDES BENZ/
C3PL	OX214D	P1044	PL3		EATON YALE/ FORD
C4163	KX24	P945X	PC2/255		CHRYSLER/ CLARK/ FORD TRATORES/ GM/ MASSEY FERGUSON/
C4662	HX58	H119	PH538		
C4DB	OX85D	PF1155	L4/1		ATLAS COPCO/ BANTAN/ CASE/ CBT/ CLARK/ EATON YALE/ FIAT
C5499	LX1066	C1158	ARL1116		ASIA MOTORS/ DAIHATSU
C8826	KX67/2D	PU1046X	PEC3022		MERCEDES BENZ
C9517	KX182/1D	PU941x			SCANIA/ SCANIA ÔNIBUS
C9927ECO	KX218D	P718/1X	PC947		RENAULT
C9932ECO	KX80D	PU999/1X	PEC3021		MERCEDES BENZ
CA100221	LX2532	C18450/1	ARS8236		IVECO/ TROLLER
CA10028	LX1802	C11100			AGRALE
CA10030	LX2619	C25710			
CA10031	LX2620	C30810/4			MASSEY FERGUSON
CA10085	LX2093	C43102			VOLKSWAGEN
CA10094	LX2642	C2278	ARL9602		FORD
CA10130	LX2644				FIAT
CA10131	LX2643				FIAT
CA10165	LX1645	C2240	ARL1034		HONDA
CA10237	LX1745	C4292	ARL5049		PEUGEOT
CA10477	LX2621	C281012			MERCEDES BENZ
CA10564	LX3236		AR8113		HYUNDAI
CA10764SY	LXS292	CF360			JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
CA10866	LX626	C331600/2	AP7554		IVECO
CA224	LX116	C24444	AP8047		CATERPILLAR
CA226	LX1101	C29624	AP4934		CATERPILLAR
CA236	LX1063	C16140	AP4935		CATERPILLAR
CA237	LX1062	C1371	AP8048		CATERPILLAR
CA2647	LX1065	C2799	AP1026		CHRYSLER/ FORD/ MULLER/ VOLKSWAGEN
CA2653	LX902/1	C2639	AR3589		AGRALE/ CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MA-
CA2672	LX963	C1253	AR2953		FORD/ VOLKSWAGEN
CA2718	LX157/1	C2120	AR2147		DAIHATSU/ FIAT
CA2732	LX202	C2646	AR6089		FORD/ VOLKSWAGEN
CA2737	LX903/1	C1535/1	AR6193		HOSS VOEGELE/ PUMA/ PUTSMEISTER/ VOLKSWAGEN
CA282	LX975	C17262	AP7996		FORD
CA282A	LX974	C17262/1	AP7997		FORD
CA282SY	LXS231	C1157/2	AS950		FORD
CA283A	LX910	C17308	AP7998		AGRALE/ FORD/ MERCEDES BENZ/ VOLKSWAGEN
CA303	LX905/1	C2840	AR6016		FORD/ HONDA
CA3105	LX200	C13114/4	AP8528		AGRALE/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD TRATO-

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
CA3105	LX1064	C20164	AP2813		HYUNDAI
CA3105	LX200/1	C13114/4	AP8528		
CA3105SY	LXS40/1	CF600	AS801		AGRALE/ BANTAN/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD
CA3130	LX904/1	C1522	AR6194		PUMA/ VOLKSWAGEN
CA3154	LX290	C1380	AR7702		CITROEN/ GM/ RENAULT
CA3191	LX900/1	C1732	AR6195		GURGEL/ VOLKSWAGEN
CA3280	LX271/2	C24650/1	AP4650/1		ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/ FIAT/ HUBER
CA3280SY	LXS43/1	CF1300	AS840		AM HOIST/ ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/
CA3289	LX973	C29254/1	AP7023		CASE/ FORD/ GM/ MAXION/ VOLKSWAGEN
CA3290	LX241	C24650	AP4650		ATLAS COPCO/ EATON YALE/ KOMATSU/ MANNESMANN/ RANDO-
CA3291	LX265	C20325/2	AP9834		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
CA3291A	LX243	C20325	AP2032		AGRALE/ BUCYRUS ERIE/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/
CA3291SY	LXS37/1	CF1000	AS820		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
CA3295	LX275	C15165/3	AP7108		AGRALE/ ATLAS COPCO/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD
CA3295SY	LXS5/1	CF700	AS805		AGRALE/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD TRATORES/ GM/
CA3333	LX208/1	C2852/2	AR9620		AUDI/ FORD/ GM/ GURGEL/ PUMA/ SEAT/ VOLKSWAGEN
CA3914	LX1316		ARL8841		GM
CA4202	LX236	C17225/3	AP2710		CASE/ CBT/ COMPAIR/ DEMAG BAGGER/ DYNAPAC/ FORD/ FORD
CA4202SY	LXS41/1	CF800	AS810		CASE/ CBT/ COMPAIR/ DYNAPAC/ FORD/ FORD TRATORES/ GARD-
CA4215	LX273	C30850/2	AP9835		CASE/ CLARK/ FIAT/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANT-
CA4221	LX970	C30880/1	AP1185		SCANIA
CA4221A	LX450	C30880/2	AP1186		SCANIA/ SCANIA ÔNIBUS
CA4255	LX912	C1137	AP1008		TOYOTA
CA4258C	LX901	C1513	AR6196		VOLKSWAGEN
CA4259	LX55	C1399	AR3147		FIAT
CA4260	LX272	C1176/3	AR2867		AGRALE/ ATLAS COPCO/ BAMBOZZI/ VOLKSWAGEN
CA4261	LX64	C3338	AR6084		FORD
CA4309	LX307	C2964			NISSAN/ SUBARU
CA4336	LX958	C2648	AR8833		GM
CA4376	LX969	C18378	AP4960		FORD TRATORES
CA4376SY	LXS225	CF1030	AS500		FORD TRATORES
CA4524	LX147	C13109	AR7703		CHRYSLER/ RENAULT
CA4567	LX414	C2991/1	ARL8836		GM/ VOLVO
CA4685	LX227	C23440/1	AP4440		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
CA4685SY	LXS42/1	CF1200	AS830		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
CA4691	LX971	C27798	AP5461		FORD/ VOLKSWAGEN
CA4691SY	LXS227	CF1400	AS835		FORD/ VOLKSWAGEN
CA4692SY	LXS226	CF1310	AS836		FORD/ VOLKSWAGEN
CA4813	LX478/1	C17129			CITROEN/ FIAT/ PEUGEOT
CA4989	LX1057	C13200	AP2888		AGRALE/ MULLER/ VALMET
CA502	LX760	C311390	AP4807		CASE/ CUMMINS/ SANTAL
CA502SY	LXS299	C19171	AS213		CASE/ CLARK/ CUMMINS/ EATON YALE/ FIAT ALLIS/ GARDNER
CA5058	LX2645	C2850	ARL1069		FORD
CA5108	LX448	C26168	ARL8837		AUDI/ BMW/ GM/ VOLKSWAGEN
CA5111	LX572	C33156	ARL8103		CITROEN/ PEUGEOT
CA5140	LX453	C2571/1	ARL2506		ALFA ROMEO/ FIAT
CA5155	LX93	C311093/2	AP5569		VOLVO
CA5156	LX906	C26111	ARL6090		FORD/ VOLKSWAGEN
CA5189	LX1098	C351592	AP5570		VOLVO
CA5189	LX1098/1	C351592	AP5570		
CA5222	LX496	C15127/1			MERCEDES BENZ
CA5229	LX330	C18121	AR7701		RENAULT
CA5325	LX907	C2496	ARL4147		FIAT
CA5347	LX1055	C371774	AP5571		VOLVO
CA5356	LX961	C13100	AR4148		FIAT

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
CA5357	LX435	C26138/1	ARL9601		FORD
CA5370	LX405		ARL6092		SEAT/ VOLKSWAGEN
CA5377	LX418	C28136/1	ARL6094		SEAT/ VOLKSWAGEN
CA5400	LX390	C3178			GM
CA5407	LXS7233	C20118	AS381		VOLVO
CA546	LX972	C21493	AP5460		FORD/ VOLKSWAGEN
CA5466	LX811	C2731/1			TOYOTA
CA5483SY	LXS44/1	CF1600	AS860		CASE/ CLARK/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTAL/
CA5488	LX488	C3173			CITROEN/ PEUGEOT/ RENAULT
CA5495	LX589	C2664	ARL2505		FIAT
CA5496	LX523	C2256	ARL8832		GM
CA5513	LX909	C29108	ARL6091		VOLKSWAGEN
CA5585	LX832	C271520			VOLVO
CA5611	LX611	C17278	ARS1013		CITROEN/ FIAT/ PEUGEOT
CA5626	LX1056	C27844	AP9836		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
CA5626	LX1056/1	C27844	AP9836		
CA5626PU	LX1716	C27830	ARS9839		FORD/ MERCEDES BENZ/ VOLKSWAGEN
CA5626SYPU	LXS260		ASR839		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
CA5627	LX908	C2585	ARL4150		FIAT
CA5630A	LX618	C25100	ARL2507		ALFA ROMEO/ FIAT
CA5636	LX335	C60345			MERCEDES BENZ
CA5680	LX614	C34116/1	ARL8839		GM
CA5682	LX687	C2677	ARL9603		
CA5699	LX2082/1	C321420/1	ARS8235		IVECO
CA5712	LX567	C15127/2	AP8518		MERCEDES BENZ
CA5741	LX1142	C17337	ARS8889		
CA5812	LX1068	C22181	AP1002		ASIA MOTORS/ KIA MOTORS
CA5813	LX1097	C18142	AP1001		KIA MOTORS
CA5827	LX684	C37153	ARL6093		AUDI/ VOLKSWAGEN
CA5837	LX962	C2982/1	ARL9604		FORD
CA5873	LX1821		ARL1713		KIA MOTORS
CA5901	LX1067		AP1009		MINI
CA5929	LX1712	C2776	ARL9607		FORD
CA5961PU	LX960	C14200	ARS2868		GM/ MASSEY FERGUSON/ VOLKSWAGEN
CA5970	LX735	C30130	ARL8840		GM
CA5971	LX1096	C21367	AP5462		FORD
CA5971SY	LXS229	CF1560	AS837		FORD
CA598	LX1100	C30883	AP7716		CATERPILLAR
CA5981	LX1315	C1944	ARL8834		GM
CA598SY	LXS232	C20187/1	AP7360		CATERPILLAR
CA6664	LX485				SUZUKI
CA7139	LX1092		ARS2711		GM
CA7139SY	LXS230		ASR815		GM
CA7142	LX989	C2332			MINI
CA7174	LX848				HONDA
CA7421	LX964	C2970	ARL8838		GM
CA7480	LX1777	C321170	ARS5135		CATERPILLAR
CA7480SY	LXS7229	CF21239	ASR513		CATERPILLAR
CA7774	LX1937	C1761			
CA8040	LX1298	C2329	ARL1030		HONDA/ NISSAN/ SUBARU
CA8121	LX677				KIA MOTORS
CA8243	LX1095	C23121	ARL9606		FORD/ MAZDA
CA8668	LX513	C32338/1	ARL5310		MERCEDES BENZ
CA8674	LX643	C2159	ARL5050		CITROEN/ PEUGEOT
CA8674	LX645/1	C2159	ARL5050		PEUGEOT

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
CA8736	LX1312	C2693	ARL9605		FORD
CA8774	LX646/1	C1145/5	AR7704		
CA8782	LX1598	C2677/1			FORD/ MAZDA
CA8789	LX794				MERCEDES BENZ
CA8821	LX876	C32199	ARL5137		RENAULT
CA8840	LX1094	C21105	AP1012		ASIA MOTORS/ KIA MOTORS
CA8852	LX2529	C16197	ARS2869		
CA8964	LX773	C1858/1	ART5051		NISSAN/ RENAULT
CA9032	LX1070	C27902	ARS9837		IVECO/ MERCEDES BENZ/ VOLVO
CA9033	LX1093	C20457	ARS9838		MERCEDES BENZ/ MONTANA PARRUDA
CA9129PU	LX2526	C11127	ARS1029		FIAT
CA9290	LX1779	C2969	ARL6096		VOLKSWAGEN
CA9315	LX1287	C3485/3	ARL5053		CITROEN
CA9352SY	LXS251	CF500	ASR203		AGRALE
CA9369	LX2533	C21470	ARS5673		FORD/ VOLKSWAGEN
CA9378	LX1770	CA28105			FIAT
CA9380SY	LXS287	CF1610	AS116		SCANIA ÔNIBUS
CA9381	LX531	C30703	AP5773		SCANIA ÔNIBUS
CA9388	LX776	C291032/1			MERCEDES BENZ
CA9410	LX998	C2295/2	ART6098		FORD/ VOLKSWAGEN
CA9418	LX1069	C301622	ARS1189		SCANIA
CA9418SY	LXS262	CF1711	ASR870		SCANIA
CA9419	LX712	C301500	ARS1188		SCANIA
CA9419SY	LXS288	CF1710	ASR188		SCANIA
CA9482	LX1286	C2620	ARL 2202		TOYOTA
CA9511	LX1597	C4151	ARL9608		FORD
CA9560	LX1281	C341500	AP5572		VOLVO
CA9666	LA169	CU2433	ACP202		FORD
CA9744	LX1687/1	C15300	ARS7109		AGCO/ MAXION/ MITSUBISHI/ NISSAN/ VOLVO
CA9745	LX1673	C16400	ARS8842		
CA9746	LX1801	C23610	ARS5134		AGRALE/ MASSEY FERGUSON
CA9746SY	LXS219	CF600/1	ASR353		AGRALE/ MASSEY FERGUSON
CA9747	LX1313/1	C271340	ARS9840		MERCEDES BENZ/ VOLVO
CA9784	LX957/3	C2512	ART5054		NISSAN/ RENAULT
CA9833	LX2531	C11102	ARS7991		
CA9834	LX3108	C1016	ARM447/1		HONDA
CA9835	LX3109	C1425	ARM446/1		HONDA
CA9916	LX2125	C23107	ARS7065		TOYOTA
CAK258	LX17	C16192	AP6774		CASE/ CBT
CF10108	LA122/S		ACP703		HONDA
CF10109	LA138	CU2940	ACP903		CITROEN/ COMPAIR/ CUMMINS/ PEUGEOT/ VOLVO
CF10210	LA301	CU2336	ACP972		HYUNDAI/ KIA MOTORS
CF10248	LA298	CU2434	ACP977		KIA MOTORS
CF10776	LA531	CU19001	ACP976		KIA MOTORS
CF10829	LA612	CU20001	ACA904		FIAT
CF10845	LA642				FORD
CF10860	LA702	CU37001			SCANIA
CF10864	LA652/S				VOLKSWAGEN
CF5474	LA13	CU3979			
CF5475	LA11	CU4251	ACP003		GM
CF5551	LA8	CU2225			CITROEN/ PEUGEOT
CF5662	LA45	CU3955	ACP298		AUDI/ VOLKSWAGEN
CF5663	LA31	CU2882	ACP300		AUDI/ SEAT/ VOLKSWAGEN
CF5664	LA25	CU5257			FORD
CF5665	LA21	CU3455			GM

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
CF5817	LA77	CU3554	ACP200		FORD/ MAZDA
CF5819	LA56	CU2951	ACP102		ALFA ROMEO/ FIAT
CF5823	LA34	CU3942			ALFA ROMEO/ FIAT
CF5824	LA46	CU3192			AUDI
CF5842	LA37	CU2897			MERCEDES BENZ
CF5845	LA26				PEUGEOT
CF5846	LA32				PEUGEOT
CF5849	LA33				RENAULT
CF5863	LA49	CU4151			GM
CF5864	LA9	CU2861	ACP797		PEUGEOT
CF5865	LA82		ACP700		HONDA/ LAND ROVER
CF5892	LA653		ACP007		VOLVO
CF5893	LA609				RENAULT
CF8331	LA78	CU3567	ACP203		FORD
CF8777	LA81				MERCEDES BENZ
CF8777	LAK81	CUK3780	ACA905		MERCEDES BENZ
CF8867	LA74	CU2757	ACP006		GM
CF8868	LA75	CU3054	ACP001		GM
CF8890	LA123	CU4442	ACP105		CITROEN/ FIAT/ IVECO/ PEUGEOT
CF8989	LA499	CU2344	ACP100		FIAT
CF9034	LA601	CU2504	ACP101		FIAT
CF9051	LA83	CU3858	ACP600		MERCEDES BENZ
CF9071	LA57	CU3448	ACP800		PEUGEOT
CF9084	LA591	CU3162	ACP305		VOLKSWAGEN
CF9085	LA87	CU2945	ACP550		RENAULT
CF9086	LA40				
CF9086	LA60	CU2734	ACP552		
CF9323	LA120	CU2545	ACP303		VOLKSWAGEN
CF9466	LA109	CU1828	ACP885		TOYOTA
CF9478	LA422	CU2629	ACP103		FIAT
CF9479	LA153	CU2655	ACP900		CITROEN
CF9495	LA117	CU3337	ACP005		GM
CF9533	LA142	CUK2422	ACA104		FIAT
CF9655	LA650	CU1722	ACP009		SCANIA
CF9656	LA677	CU5877	ACP973		MERCEDES BENZ
CF9807	LA189	CU2143	ACP004		GM
CF9853	LX3011				MASSEY FERGUSON/ MAXION
CF9854	LA610				CASE
CH155APL	OX216	H1074	PH1960		CATERPILLAR
CH191APL	OX3D	H1072/11X	PL9F6700		CATERPILLAR/ GARDNER DENVER/ KOMATSU
CH200PL	OX215D	H941	PL390		GM
CH211A	OX218D	H13153	PL516		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENGE-
CH238PL	OX217D	H1496	PL6H9999		ATLAS COPCO/ CATERPILLAR/ GARDNER DENVER/ INGERSOLL
CH28011	OX43D	H932/1	PL425		TOYOTA
CH2927	OX197D	H12111X	PL519		BANTAN/ BARBER GREENE/ CLARK/ DYNAPAC/ EATON YALE/
CH2962	OX69D	H12110/2X	PL447		MERCEDES BENZ
CH2963	OX71D	H1275X	PL449		MERCEDES BENZ
CH2989	OX75D	H1164	PL345		HUBER WABCO/ LIEBHERR/ MERCEDES BENZ/ SANTAL
CH33APL	OX5D	H11106/1	PL132/1		CASE/ FIAT ALLIS/ PUMA/ SLC
CH4829	OX199D	H1271	PL442		CASE/ CBT/ CLARK/ DYNAPAC/ EATON YALE/ FIAT ALLIS/ GALION/
CH5261	OX150D	H932/4	PL364		MERCEDES BENZ/ TOYOTA
CH5262	OX137D	H947/1	PL366		CASE/ MERCEDES BENZ/ SLC
CH5412	OX98D	PF1055/1X	PL180		MERCEDES BENZ
CH6015	OX410D	MH54X	PL153		HONDA
CH803APL	HX15	H601/4	PH346		AGRALE/ CASE/ CBT/ ENGESA/ FIAT/ FORD/ GM/ IVECO/ MERCE-

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
CH813PL	OX18D	H820/3X	PL957		ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/ CASE/
CH816PL	KX25	P824	PC162A		CASE/ MAXION
CH834PL	OX200D	H1034/3	PL265		ATLAS COPCO/ BMW/ BUCYRUS ERIE/ CASE/ CBT/ CLARK/ EATON
CH8751	OX161/D	HU931/5			MERCEDES BENZ
CH9443 ECO	OX193D	HU612x	PEL110		CITROEN/ COMPAIR/ PEUGEOT
CH9462ECO	OX210D	HU923X	PEL312		RENAULT
CH9558	OX348D	HU12110X	PEL2004		MERCEDES BENZ
CH962PL	OX47D	H720	PL46		CASE/ IDEAL/ MASSEY FERGUSON/ MAXION/ MERCEDES BENZ/
CH9713ECO	OX827D	HU713/1X	PEL118		FIAT
CH9911	OX379D	HU719/6X			VOLKSWAGEN
CH9973ECO	OX339/2D	HU711/51X	PEL108		CITROEN/ FORD/ PEUGEOT
CS3504	KX88/1D	P1278/1	PD202		SCANIA
CS3558	KX89/2D	P1234	PD204		RANDON/ SANTAL/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
G12	KL63	WK44/4	GU86		AGRALE/ ASIA MOTORS/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/
G3802A	KL224	WK712/4	GI06		
G3829	KL2	WK830	GI01		ALFA ROMEO/ AUDI/ BMW/ CITROEN/ FIAT/ FORD/ GM/ LAND ROV-
G5188	KL222	WK48/3	AG68		AGRALE/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/ ENGESA/ FIAT/
G5471	KL225	WK47/1	GI02		GM
G5493	KL239/1	WK513	GI40/7		FIAT
G5540	KL83	WK58	GI04		ALFA ROMEO/ DAEWOO/ FIAT/ FORD/ GM
G5738	KL237	WK613/3	GI08/1		SEAT/ VOLKSWAGEN
G5738	KL237/1	WK613/3	GI08/1		VOLKSWAGEN
G5774	KL66	WK516/1			BMW
G5857	KL72				CITROEN/ PEUGEOT/ RENAULT
G5857	KL583(Plus)		GI50/7		CITROEN/ PEUGEOT/ RENAULT/ SEAT/ VOLKSWAGEN
G5870	KL79	WK730/1	GI10		AUDI/ VOLKSWAGEN
G5870	KL79/3	WK730/1	GI10		AUDI/ VOLKSWAGEN
G6400	KL60	WK613	GI03		BMW/ CITROEN/ FIAT/ GM/ MITSUBISHI/ PEUGEOT/ SEAT/ VOLKS-
G6400	KL60/2	WK613	GI03/1		FIAT/ VOLKSWAGEN
G7599	KL185	WK68/1X	GI09		HONDA
G7612	KL140				TOYOTA
G7649	KL223	WK613/4	GI07		
G7729	KL238D	WK510	GI41		FIAT
G8781	KL223/1	WK613/4	GI07/1		FORD/ VOLKSWAGEN
G9291	KL420	WK612/7	GI60/7		FORD
G9412	KL465				FORD
G9889F	KL224/1	WK712/4	GI06/1		
G9890F	KL582(Plus)	WK58	GI04/7		ALFA ROMEO/ CHERY/ DAEWOO/ FIAT/ FORD/ GM/ TOYOTA
G9892F	KL635	WK730/6	GI12/7		HONDA/ VOLKSWAGEN
HPH6349A	OC304	WP12300	PSL300		CASE/ CUMMINS/ FIAT ALLIS/ FORD/ RANDON/ VOLKSWAGEN
P10607	KC437	WK1124	PSC491		VOLKSWAGEN
P1103A	KC133	WK955/2	PSC172		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FORD/
P1104	KC114	WK950/13	PSC744		ATLAS COPCO/ CATERPILLAR/ DYNAPAC/ GARDNER DENVER/
P3376	KC222	WK11102/5	PSC085		CATERPILLAR
P3401	KC107	WK940/7	PSC410		CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FIAT ALLIS/ FORD/
P3555A	OC532	W12100	PSL277		CUMMINS
P3555PL	OC282	WP11102	PSL419		
P3828	OC239	W1114/80	PSL322		KIA MOTORS
P3961	HC85	W1290/1	PSH211		CASE
P4102	KC24	WK723	PSC72/2		AGRALE/ ATLAS COPCO/ BOB CAT/ CASE/ CUMMINS/ DYNAPAC/
P4102/P4688	KC6D	WK724			AGRALE/ BOB CAT/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/ FORD/
P4105	KC4	WK1162	PSC100		FIAT/ FIAT ALLIS/ MAXION/ NEW HOLLAND
P4159	KC22	WK814/1	PSC401		AUDI/ MERCEDES BENZ
P4173	KL33	WK31/5			MAZDA/ MERCEDES BENZ
P4183	KC18	WK842	PSC496		AGRALE/ ALFA ROMEO/ AUDI/ BMW/ CASE/ CITROEN/ FIAT/ FORD/

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
P4637A	HC76	W950/8	PSH486		AGRALE/ FORD/ FORD TRATORES/ SLC
P4637A	HC84	W950/8	PSH96		
P4836	KL41	WK842/3	PSC498		AGRALE/ FORD/ GM/ HONDA/ LAND ROVER
P4886	KC46	WK920/1	PSC998		ASIA MOTORS/ HYUNDAI/ KIA MOTORS/ MITSUBISHI
P4922	KC83	WK940/1	PSC999		HYUNDAI/ MITSUBISHI/ TOYOTA
P5158	HC99	W1374/2	PSH766		CASE
P5328	KL75	WK842/4	PSC498/1		FORD/ GM/ SEAT/ VOLKSWAGEN
P5573	HC83	W950/12	PSH306		
P5694	KC75	WK962/7	PSC79		VOLVO
P5797	KC94	WK940/12	PSC84		CASE/ SANTAL/ SCANIA/ SCANIA ÔNIBUS
P6893	HC105		PSH242		CASE
P6893	HC102		PSH607		VOLVO
P7566	HC109		PSH235		CLARK
P8264	KC134		PSC745		GM
P9368	KC113	WK731	PSC73/1		AGRALE/ AM HOIST/ ATLAS COPCO/ CASE/ CATERPILLAR/ DEMAG
P9422	KC441	WK940/10	PSC82		SCANIA/ SCANIA ÔNIBUS
P9454	KC440	WK950/21	PSC75		FORD/ IVECO/ VOLKSWAGEN
PH10229	HC81		PSH111		DYNAPAC/ KOMATSU
PH10904	OC600	W6 multi 20	TM5		FIAT/ HONDA/ KIA MOTORS/ MITSUBISHI/ NISSAN/ RENAULT
PH10905	OC504 PLUS	W7 multi 18	TM3		DAEWOO/ FIAT/ GM
PH10906	OC505 PLUS	W7 multi 20	TM4		ALFA ROMEO/ ATLAS COPCO/ CITROEN/ FIAT/ HYUNDAI/ LOMBA-
PH10907	OC506 PLUS	W7 multi 3/4S	TM1		ALFA ROMEO/ BMW/ CHRYSLER/ CITROEN/ FIAT/ FORD/ KIA
PH10908	OC522 PLUS	W7 multi 3/4D	TM2		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
PH13	OC114	W936/8	PSL959		CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MATILDE
PH2801B	OC60	W962	PSL962		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
PH2821C	OC324	W934	PSL900		AGRALE/ ATLAS COPCO/ AUDI/ BANTAN/ BARBER GREENE/ CASE/
PH2842	OC26	W940/18	PSL123		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
PH2845	OC301	W930/6	PSL958		AGRALE/ CLARK/ EATON YALE/ ENGESA/ GM/ HYSTER/ PUMA
PH2856	OC318	W920/41	PSL321		ASIA MOTORS/ CHERY/ CHRYSLER/ GM/ HYUNDAI/ KIA MOTORS/
PH2861B	OC204	W917	PSH421		VOLVO
PH2862C	OC317	W712/12	PSL62		CHERY/ DAEWOO/ GM
PH2863	OC23	W920/31	PSL47		ALFA ROMEO/ BMW/ CHRYSLER/ FIAT/ FORD/ LADA
PH2870A	HC45	W719/4	PSL561		FORD
PH2870B	OC47	W719/5	PSL562		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
PH2883	OC35	W1170	PSL339		AGRALE/ BOB CAT/ FIAT/ FIAT ALLIS/ FORD/ FORD TRATORES/
PH2895	OC38	W723/3	PSL408		AUDI/ CBT/ CIBER/ EATON YALE/ MASSEY FERGUSON/ MAXION/
PH2960	OC40	W11102/9	PSL568		CASE/ FORD
PH3335	OC122	W13145/2	PSL405		CATERPILLAR
PH3335	OC530	W131452	PSL405		CATERPILLAR
PH3375	OC531	W12106	PSL270		CUMMINS
PH36	OC336	W934/2			CATERPILLAR
PH3757	OC319	W1262	PSL281		CLARK/ CUMMINS/ ENGESA/ FIAT ALLIS/ HUBER WABCO/ MANNE-
PH3900	OC333	W940/34	PSL282		CASE/ FORD
PH3976	OC320	W950/16	PSL280		CASE/ CLARK/ CUMMINS/ FORD/ KOMATSU/ MANNESMANN/ MAS-
PH3980	OC81	W719/31	PSL620		GM
PH4558	OC66	W713/16	PSL45		ALFA ROMEO/ FIAT
PH4701	OC90	W712/22	PSL619		DAEWOO/ FIAT/ GM
PH4701	OC1031FLEX				FIAT/ GM
PH4703	OC100	W712/8	PSL135		ATLAS COPCO/ CITROEN/ LOMBARDINI/ PEUGEOT
PH4722	OC1030FLEX				FIAT/ GM
PH4826	OC2	W950/35	PSL325		ASIA MOTORS/ CITROEN/ PEUGEOT
PH4847A	OC248	WP1144	PSL156		CITROEN/ FIAT/ IVECO/ PEUGEOT/ RENAULT/ SEAT
PH4853	OC299	W921/80	PSL323		KIA MOTORS
PH49	OC529	W1173	PSL400		CASE/ CATERPILLAR
PH4934	OC30	W950/9	PSL418		ATLAS COPCO/ FIAT ALLIS/ VOLVO

FRAM	MAHLE E METAL LEVE	MANN	TECFIL	LINHA	APLICAÇÃO
PH4967	OC534	W68/80	PSL129		CHRYSLER/ DAIHATSU/ NISSAN/ RENAULT/ SUZUKI/ TOYOTA
PH49A	OC121	W11102/4	PSL417		CATERPILLAR/ DYNAPAC/ GM/ SCANIA/ VOLVO
PH5123	OC275	WP928/80	PSL128		TOYOTA
PH5426	OC332	W923	PSL617		GM
PH5443	OC261	W923/1	PSL902		FORD/ GM/ LAND ROVER/ MERCEDES BENZ
PH5511	OC704	W79	PSL51		RENAULT
PH5529	OC1062	WP1045	PSL158		KIA MOTORS/ MITSUBISHI
PH5713	OC235	W712/43	PSL145		BMW/ CHERY/ CITROEN/ FORD/ KIA MOTORS/ MAZDA/ TOYOTA
PH5713	OC1029FLEX				FORD
PH5796	OC309	W75/2	PSL77		NISSAN/ PEUGEOT/ RENAULT
PH5803	OC266	W719/27	PSL144		FORD
PH5949	OC1028FLEX				FIAT/ MITSUBISHI
PH6017A	OC1019	MW64	PSL638		HONDA/ KAWASAKI
PH6018	OC1018		PSL639		SUZUKI
PH6022	OC1021		PSL637		HARLEY DAVIDSON
PH6355A	OC274	WP928/81	PSL327		ALFA ROMEO/ HYUNDAI/ KIA MOTORS/ MAZDA/ MITSUBISHI
PH6607	OC195	W67/80	PSL78		ASIA MOTORS/ KIA MOTORS/ MAZDA/ NISSAN/ RENAULT/ SUZUKI
PH6643	OC334		PSL567		FORD/ FORD TRATORES
PH7014	OC302	W1167/2	PSL569		FORD/ FORD TRATORES/ NEW HOLLAND
PH7136	OC303	W1168/5	PSL301		MERCEDES BENZ/ SCANIA
PH8789	HC96	W930/14	PSH173		SCANIA/ SCANIA ÔNIBUS
PH8839	OC250	W712/5	PSL560		SEAT/ VOLKSWAGEN
PH8999	OC259	W610	PSL55		FIAT/ HONDA/ KIA MOTORS
PH8A	OC67	W940/81	PSL714		BANTAN/ BOB CAT/ CASE/ CHRYSLER/ FORD/ FORD TRATORES/
PH927A	OC300	W915/9	PSL565		FORD/ GM/ VOLKSWAGEN
PH9617	OC502	W950/26	PSL283		FORD/ IVECO/ VOLKSWAGEN
PH9648	OC728	W75/5			GM
PH977B	OC308	W950/7	PSL675		ATLAS COPCO/ CASE/ CBT/ CIBER/ DYNAPAC/ FORD/ FORD
PH9A	OC18	W920/7	PSL171		AGRALE/ AM HOIST/ ATLAS COPCO/ BOB CAT/ CASE/ CHRYSLER/
PR3304	WFC1	WA940/1	PSA299		
PR3392A	WFC3	WA956/1	PSA761		
PR3908	WFC2	WA923/1	PSA331		
PR3909	WFC4	WA921/1	PSA272		
PS10061	KC214	WK950/19	PSC493		IVECO
PS10178	KC131		PSD964		FORD/ VOLKSWAGEN
PS10610	KC125/1	WK1050/1	PSD480/1		IVECO/ MERCEDES BENZ
PS6643	KC119	WK940/24	PSD530/1		AGRALE/ CASE/ GM/ MERCEDES BENZ
PS7171	KC127	WK1156/1			MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
PS8187	KC122	WK1040	PSD460/1		FIAT/ GM/ MERCEDES BENZ/ MONTANA PARRUDA/ VOLKSWAGEN
PS8787	KC129/1	WK824	PSC406		FORD/ GM/ MERCEDES BENZ
PS9025	KC124/1	WK1060/1	PSD470/1		GM/ MONTANA PARRUDA/ VOLVO
PS9025	KC124	WK1060/1	PSD470/1		VOLVO
PS9026	KC125	WK1060	PSD480/1		IVECO/ MERCEDES BENZ
PS9027	KC126	WK1060/4	PSD480/1		MERCEDES BENZ
PS9027	KC126/1	WK1060			MERCEDES BENZ
PS9028	KC128	WK1156	PSD490/1		MERCEDES BENZ/ SCANIA/ VOLVO
PS9028	KC123/1	WK1060/2	PSD490/1		SCANIA/ SCANIA ÔNIBUS/ VOLVO
PS9029	KC121	WK1060/3X	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
PS9029	KC121/1	WK1030	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
TM5	OC475	W66	PSL78		RENAULT

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
54501067114	LX1102		AP780		VOLVO
56230054171	HX55		TH302		
56240053241	HX56		TH225		
BFU700SCI	KX49	C11864ZP	FC164		MERCEDES BENZ/ SLC
BFU707	KX43	C11860ZP	FC161		AGRALE/ BANTAN/ BARBER GREENE/ CASE/ CBT/ CHRYSLER/
BFU811SCI	KX44	C11861ZP	FC165		ATLAS COPCO/ CASE/ DEUTZ/ DYNAPAC/ EATON YALE/ FIAT
BL4	FT6211700				
C1016	LX3108	CA9834	ARM447/1		HONDA
C11100	LX1802	CA10028			AGRALE
C11102	LX2531	CA9833	ARS7991		
C11127	LX2526	CA9129PU	ARS1029		FIAT
C1137	LX912	CA4255	AP1008		TOYOTA
C1145/5	LX646/1	CA8774	AR7704		
C1157/2	LXS231	CA282SY	AS950		FORD
C1158	LX1066	C5499	ARL1116		ASIA MOTORS/ DAIHATSU
C1176/3	LX272	CA4260	AR2867		AGRALE/ ATLAS COPCO/ BAMBOZZI/ VOLKSWAGEN
C1215	LX3111		ARM444/1		HONDA
C1253	LX963	CA2672	AR2953		FORD/ VOLKSWAGEN
C13100	LX961	CA5356	AR4148		FIAT
C13109	LX147	CA4524	AR7703		CHRYSLER/ RENAULT
C13114/4	LX200	CA3105	AP8528		AGRALE/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD
C13114/4	LX200/1	CA3105	AP8528		
C13145	LX2959		ARS6333		CATERPILLAR/ JOHN DEERE/ KUBOTA/ YANMAR
C1315	LX3106		ARM449/1		HONDA
C13200	LX1057	CA4989	AP2888		AGRALE/ MULLER/ VALMET
C1371	LX1062	CA237	AP8048		CATERPILLAR
C1380	LX290	CA3154	AR7702		CITROEN/ GM/ RENAULT
C1399	LX55	CA4259	AR3147		FIAT
C14200	LX960	CA5961PU	ARS2868		GM/ MASSEY FERGUSON/ VOLKSWAGEN
C14230	LX2527		ARS6940		CASE
C1425	LX3109	CA9835	ARM446/1		HONDA
C1428	LX3107		ARM448/1		HONDA
C15127/1	LX496	CA5222			MERCEDES BENZ
C15127/2	LX567	CA5712	AP8518		MERCEDES BENZ
C1513	LX901	CA4258C	AR6196		VOLKSWAGEN
C15165/3	LX275	CA3295	AP7108		AGRALE/ ATLAS COPCO/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD
C1522	LX904/1	CA3130	AR6194		PUMA/ VOLKSWAGEN
C15300	LX1687/1	CA9744	ARS7109		AGCO/ MAXION/ MITSUBISHI/ NISSAN/ VOLVO
C1535/1	LX903/1	CA2737	AR6193		HOSS VOEGELE/ PUMA/ PUTSMEISTER/ VOLKSWAGEN
C16134/1	LX1780/3		ARS5196		FORD
C16140	LX1063	CA236	AP4935		CATERPILLAR
C16192	LX17	CAK258	AP6774		CASE/ CBT
C16197	LX2529	CA8852	ARS2869		
C16244	LX2124				FORD
C16247/1	LX610		ARS8233		IVECO
C16400	LX1673	CA9745	ARS8842		
C17129	LX478/1	CA4813			CITROEN/ FIAT/ PEUGEOT
C17225/3	LX236	CA4202	AP2710		CASE/ CBT/ COMPAIR/ DEMAG BAGGER/ DYNAPAC/ FORD/ FORD
C17232	LX2646		AP7992		FORD
C17262	LX975	CA282	AP7996		FORD
C17262/1	LX974	CA282A	AP7997		FORD
C17278	LX611	CA5611	ARS1013		CITROEN/ FIAT/ PEUGEOT
C17308	LX910	CA283A	AP7998		AGRALE/ FORD/ MERCEDES BENZ/ VOLKSWAGEN
C1732	LX900/1	CA3191	AR6195		GURGEL/ VOLKSWAGEN
C1733	LX1711		ARL5136		PEUGEOT/ RENAULT

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
C17337	LX1142	CA5741	ARS8889		
C1761	LX1937	CA7774			
C18121	LX330	CA5229	AR7701		RENAULT
C18142	LX1097	CA5813	AP1001		KIA MOTORS
C18263	LX1713		ARS7990		FORD
C18360	LX3190		ARS6223		JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
C18378	LX969	CA4376	AP4960		FORD TRATORES
C18450/1	LX2532	CA100221	ARS8236		IVECO/ TROLLER
C1858/1	LX773	CA8964	ART5051		NISSAN/ RENAULT
C19171	LXS299	CA502SY	AS213		CASE/ CLARK/ CUMMINS/ EATON YALE/ FIAT ALLIS/ GARDNER
C1944	LX1315	CA5981	ARL8834		GM
C1995	LX795				CITROEN/ PEUGEOT
C20118	LXS7233	CA5407	AS381		VOLVO
C20164	LX1064	CA3105	AP2813		HYUNDAI
C20168	LXS7231		AS571		VOLVO
C20187/1	LXS232	CA598SY	AP7360		CATERPILLAR
C20325	LX243	CA3291A	AP2032		AGRALE/ BUCYRUS ERIE/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/
C20325/2	LX265	CA3291	AP9834		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
C20457	LX1093	CA9033	ARS9838		MERCEDES BENZ/ MONTANA PARRUDA
C20500	LX1314		ARS3003		AGRALE
C21105	LX1094	CA8840	AP1012		ASIA MOTORS/ KIA MOTORS
C2120	LX157/1	CA2718	AR2147		DAIHATSU/ FIAT
C21367	LX1096	CA5971	AP5462		FORD
C21470	LX2533	CA9369	ARS5673		FORD/ VOLKSWAGEN
C21493	LX972	CA546	AP5460		FORD/ VOLKSWAGEN
C2159	LX643	CA8674	ARL5050		CITROEN/ PEUGEOT
C2159	LX645/1	CA8674	ARL5050		PEUGEOT
C22181	LX1068	CA5812	AP1002		ASIA MOTORS/ KIA MOTORS
C2240	LX1645	CA10165	ARL1034		HONDA
C2256	LX523	CA5496	ARL8832		GM
C2266	LX2818				FORD
C2278	LX2642	CA10094	ARL9602		FORD
C2295/2	LX998	CA9410	ART6098		FORD/ VOLKSWAGEN
C2295/3	LX708				VOLKSWAGEN
C23107	LX2125	CA9916	ARS7065		TOYOTA
C23121	LX1095	CA8243	ARL9606		FORD/ MAZDA
C2329	LX1298	CA8040	ARL1030		HONDA/ NISSAN/ SUBARU
C2332	LX989	CA7142			MITSUBISHI
C2337	LX862				GM/ SUZUKI
C23440/1	LX227	CA4685	AP4440		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
C23610	LX1801	CA9746	ARS5134		AGRALE/ MASSEY FERGUSON
C24203	LX2530				TOYOTA
C24444	LX116	CA224	AP8047		CATERPILLAR
C24580	LX2528		ARS2499		CATERPILLAR
C24650	LX241	CA3290	AP4650		ATLAS COPCO/ EATON YALE/ KOMATSU/ MANNESMANN/
C24650/1	LX271/2	CA3280	AP4650/1		ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/ FIAT/ HUBER
C24760	LX2534				
C2496	LX907	CA5325	ARL4147		FIAT
C25100	LX618	CA5630A	ARL2507		ALFA ROMEO/ FIAT
C25117/2	LX1048		ARL8108		PEUGEOT
C25118/1	LX1765				CITROEN/ PEUGEOT
C2512	LX957/3	CA9784	ART5054		NISSAN/ RENAULT
C2571/1	LX453	CA5140	ARL2506		ALFA ROMEO/ FIAT
C25710	LX2619	CA10030			
C2585	LX908	CA5627	ARL4150		FIAT

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
C26111	LX906	CA5156	ARL6090		FORD/ VOLKSWAGEN
C26138/1	LX435	CA5357	ARL9601		FORD
C26168	LX448	CA5108	ARL8837		AUDI/ BMW/ GM/ VOLKSWAGEN
C2620	LX1286	CA9482	ARL 2202		TOYOTA
C2631	LX1785		ARL2331		HYUNDAI/ KIA MOTORS
C2639	LX902/1	CA2653	AR3589		AGRALE/ CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MA-
C2646	LX202	CA2732	AR6089		FORD/ VOLKSWAGEN
C2648	LX958	CA4336	AR8833		GM
C2664	LX589	CA5495	ARL2505		FIAT
C2677	LX687	CA5682	ARL9603		
C2677/1	LX1598	CA8782			FORD/ MAZDA
C2680	LX2830		AR7705		RENAULT
C2693	LX1312	CA8736	ARL9605		FORD
C271340	LX1313/1	CA9747	ARS9840		MERCEDES BENZ/ VOLVO
C271520	LX832	CA5585			VOLVO
C2731/1	LX811	CA5466			TOYOTA
C2776	LX1712	CA5929	ARL9607		FORD
C27798	LX971	CA4691	AP5461		FORD/ VOLKSWAGEN
C27830	LX1716	CA5626PU	ARS9839		FORD/ MERCEDES BENZ/ VOLKSWAGEN
C27844	LX1056	CA5626	AP9836		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
C27844	LX1056/1	CA5626	AP9836		
C27902	LX1070	CA9032	ARS9837		IVECO/ MERCEDES BENZ/ VOLVO
C2799	LX1065	CA2647	AP1026		CHRYSLER/ FORD/ MULLER/ VOLKSWAGEN
C281012	LX2621	CA10477			MERCEDES BENZ
C28136/1	LX418	CA5377	ARL6094		SEAT/ VOLKSWAGEN
C2840	LX905/1	CA303	AR6016		FORD/ HONDA
C2850	LX2645	CA5058	ARL1069		FORD
C2852/2	LX208/1	CA3333	AR9620		AUDI/ FORD/ GM/ GURGEL/ PUMA/ SEAT/ VOLKSWAGEN
C29003	LX3115				FIAT
C291032/1	LX776	CA9388			MERCEDES BENZ
C29108	LX909	CA5513	ARL6091		VOLKSWAGEN
C29254/1	LX973	CA3289	AP7023		CASE/ FORD/ GM/ MAXION/ VOLKSWAGEN
C29624	LX1101	CA226	AP4934		CATERPILLAR
C2964	LX307	CA4309			NISSAN/ SUBARU
C2969	LX1779	CA9290	ARL6096		VOLKSWAGEN
C2970	LX964	CA7421	ARL8838		GM
C2982/1	LX962	CA5837	ARL9604		FORD
C29840	LX1774		ARS2501		
C2991/1	LX414	CA4567	ARL8836		GM/ VOLVO
C2998/5	LX977				VOLKSWAGEN
C30125/1	LX999		ARL8825		GM
C30130	LX735	CA5970	ARL8840		GM
C301500	LX712	CA9419	ARS1188		SCANIA
C301622	LX1069	CA9418	ARS1189		SCANIA
C30703	LX531	CA9381	AP5773		SCANIA ÔNIBUS
C30810/4	LX2620	CA10031			MASSEY FERGUSON
C30850/2	LX273	CA4215	AP9835		CASE/ CLARK/ FIAT/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTA-
C30880/1	LX970	CA4221	AP1185		SCANIA
C30880/2	LX450	CA4221A	AP1186		SCANIA/ SCANIA ÔNIBUS
C30883	LX1100	CA598	AP7716		CATERPILLAR
C311093/2	LX93	CA5155	AP5569		VOLVO
C311390	LX760	CA502	AP4807		CASE/ CUMMINS/ SANTAL
C3173	LX488	CA5488			CITROEN/ PEUGEOT/ RENAULT
C3178	LX390	CA5400			GM
C321170	LX1777	CA7480	ARS5135		CATERPILLAR

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
C32123	LX744		ART5052		CITROEN/ PEUGEOT
C321420/1	LX2082/1	CA5699	ARS8235		IVECO
C32199	LX876	CA8821	ARL5137		RENAULT
C3221	LX1689				HONDA
C32338/1	LX513	CA8668	ARL5310		MERCEDES BENZ
C33156	LX572	CA5111	ARL8103		CITROEN/ PEUGEOT
C331600/2	LX626	CA10866	AP7554		IVECO
C3324	LX1993				HONDA
C3338	LX64	CA4261	AR6084		FORD
C34116/1	LX614	CA5680	ARL8839		GM
C341500	LX1281	CA9560	AP5572		VOLVO
C3485/3	LX1287	CA9315	ARL5053		CITROEN
C351592	LX1098	CA5189	AP5570		VOLVO
C351592	LX1098/1	CA5189	AP5570		
C37153	LX684	CA5827	ARL6093		AUDI/ VOLKSWAGEN
C371774	LX1055	CA5347	AP5571		VOLVO
C4151	LX1597	CA9511	ARL9608		FORD
C4292	LX1745	CA10237	ARL5049		PEUGEOT
C43102	LX2093	CA10085			VOLKSWAGEN
C60345	LX335	CA5636			MERCEDES BENZ
CA28105	LX1770	CA9378			FIAT
CF1000	LXS37/1	CA3291SY	AS820		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
CF1030	LXS225	CA4376SY	AS500		FORD TRATORES
CF1200	LXS42/1	CA4685SY	AS830		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
CF1300	LXS43/1	CA3280SY	AS840		AM HOIST/ ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/
CF1310	LXS226	CA4692SY	AS836		FORD/ VOLKSWAGEN
CF1400	LXS227	CA4691SY	AS835		FORD/ VOLKSWAGEN
CF1550	LXS261		ASR837		IVECO/ MERCEDES BENZ/ VOLVO
CF1560	LXS229	CA5971SY	AS837		FORD
CF1600	LXS44/1	CA5483SY	AS860		CASE/ CLARK/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTAL/
CF1610	LXS287	CA9380SY	AS116		SCANIA ÔNIBUS
CF1651	LXS312				MERCEDES BENZ/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
CF1710	LXS288	CA9419SY	ASR188		SCANIA
CF1711	LXS262	CA9418SY	ASR870		SCANIA
CF200/1	LXS295		ASR868		MASSEY FERGUSON
CF2000	LXS282		AS572		VOLVO
CF21239	LXS7229	CA7480SY	ASR513		CATERPILLAR
CF300/1	LXS259		ASR806		AGCO/ MAXION/ VOLVO
CF360	LXS292	CA10764SY			JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
CF500	LXS251	CA9352SY	ASR203		AGRALE
CF600	LXS40/1	CA3105SY	AS801		AGRALE/ BANTAN/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD
CF600/1	LXS219	CA9746SY	ASR353		AGRALE/ MASSEY FERGUSON
CF700	LXS5/1	CA3295SY	AS805		AGRALE/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD TRATORES/ GM/
CF800	LXS41/1	CA4202SY	AS810		CASE/ CBT/ COMPAIR/ DYNAPAC/ FORD/ FORD TRATORES/ GARD-
CF933	LXS263		ASR838		MERCEDES BENZ/ MONTANA PARRUDA
CU1722	LA650	CF9655	ACP009		SCANIA
CU1722	LA432		ACP009		SCANIA/ SCANIA ÔNIBUS
CU1828	LA109	CF9466	ACP885		TOYOTA
CU19001	LA531	CF10776	ACP976		KIA MOTORS
CU1919	LA655		ACP887		TOYOTA
CU1936	LA396		ACP727		NISSAN
CU20001	LA612	CF10829	ACA904		FIAT
CU2143	LA189	CF9807	ACP004		GM
CU22002-2	LA654/S				GM/ SUZUKI
CU22007	LA818				NISSAN

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
CU2225	LA8	CF5551			CITROEN/ PEUGEOT
CU2227	LA569				DODGE/ FIAT
CU2329	LA180				CHRYSLER
CU2335	LA144		ACP131		FIAT
CU2336	LA301	CF10210	ACP972		HYUNDAI/ KIA MOTORS
CU2344	LA499	CF8989	ACP100		FIAT
CU2362	LA343		ACP974		HYUNDAI/ KIA MOTORS
CU2433	LA169	CA9666	ACP202		FORD
CU2434	LA298	CF10248	ACP977		KIA MOTORS
CU2442	LA472				GM
CU2504	LA601	CF9034	ACP101		FIAT
CU2525	LA23				RENAULT
CU2545	LA120	CF9323	ACP303		VOLKSWAGEN
CU2623	LA817/S				NISSAN
CU2629	LA422	CF9478	ACP103		FIAT
CU2655	LA153	CF9479	ACP900		CITROEN
CU2672	LA44				VOLKSWAGEN
CU2734	LA60	CF9086	ACP552		
CU2745-2	LA47/S				MERCEDES BENZ
CU2757	LA74	CF8867	ACP006		GM
CU2861	LA9	CF5864	ACP797		PEUGEOT
CU2882	LA31	CF5663	ACP300		AUDI/ SEAT/ VOLKSWAGEN
CU2897	LA37	CF5842			MERCEDES BENZ
CU2939	LAK181				VOLKSWAGEN
CU2940	LA138	CF10109	ACP903		CITROEN/ COMPAIR/ CUMMINS/ PEUGEOT/ VOLVO
CU2945	LA87	CF9085	ACP550		RENAULT
CU2951	LA56	CF5819	ACP102		ALFA ROMEO/ FIAT
CU3054	LA75	CF8868	ACP001		GM
CU3162	LA591	CF9084	ACP305		VOLKSWAGEN
CU3192	LA46	CF5824			AUDI
CU3337	LA117	CF9495	ACP005		GM
CU3448	LA57	CF9071	ACP800		PEUGEOT
CU3455	LA21	CF5665			GM
CU3554	LA77	CF5817	ACP200		FORD/ MAZDA
CU3567	LA78	CF8331	ACP203		FORD
CU37001	LA702	CF10860			SCANIA
CU3858	LA83	CF9051	ACP600		MERCEDES BENZ
CU3942	LA34	CF5823			ALFA ROMEO/ FIAT
CU3955	LA45	CF5662	ACP298		AUDI/ VOLKSWAGEN
CU3979	LA13	CF5474			
CU4151	LA49	CF5863			GM
CU4251	LA11	CF5475	ACP003		GM
CU4442	LA123	CF8890	ACP105		CITROEN/ FIAT/ IVECO/ PEUGEOT
CU4469	LA678				MERCEDES BENZ
CU5257	LA25	CF5664			FORD
CU5877	LA677	CF9656	ACP973		MERCEDES BENZ
CUK2422	LA142	CF9533	ACA104		FIAT
CUK2757	LAK74				
CUK2862	LAK63		ACA306		AUDI/ VOLKSWAGEN
CUK3780	LAK81	CF8777	ACA905		MERCEDES BENZ
H1034/3	OX200D	CH834PL	PL265		ATLAS COPCO/ BMW/ BUCYRUS ERIE/ CASE/ CBT/ CLARK/ EATON
H1049/1	OX213	C1655PL			
H1072/11X	OX3D	CH191APL	PL9F6700		CATERPILLAR/ GARDNER DENVER/ KOMATSU
H1074	OX216	CH155APL	PH1960		CATERPILLAR
H11106/1	OX5D	CH33APL	PL132/1		CASE/ FIAT ALLIS/ PUMA/ SLC

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
H1164	OX75D	CH2989	PL345		HUBER WABCO/ LIEBHERR/ MERCEDES BENZ/ SANTAL
H119	HX58	C4662	PH538		
H12110/2X	OX69D	CH2962	PL447		MERCEDES BENZ
H12111X	OX197D	CH2927	PL519		BANTAN/ BARBER GREENE/ CLARK/ DYNAPAC/ EATON YALE/
H1271	OX199D	CH4829	PL442		CASE/ CBT/ CLARK/ DYNAPAC/ EATON YALE/ FIAT ALLIS/ GALION/
H1275X	OX71D	CH2963	PL449		MERCEDES BENZ
H1278	HX57D		PH521		DYNAPAC
H1291/1	HX51D	C1664PL	PH520		CASE/ CBT/ CLARK/ HUBER WABCO/ MAXION/ MULLER/ SANTAL/
H13153	OX218D	CH211A	PL516		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENGE-
H1496	OX217D	CH238PL	PL6H9999		ATLAS COPCO/ CATERPILLAR/ GARDNER DENVER/ INGERSOLL
H1497/1	HX52	C1660	PH64		CATERPILLAR
H601/4	HX15	CH803APL	PH346		AGRALE/ CASE/ CBT/ ENGESA/ FIAT/ FORD/ GM/ IVECO/ MERCE-
H710	HX53		PH101		
H720	OX47D	CH962PL	PL46		CASE/ IDEAL/ MASSEY FERGUSON/ MAXION/ MERCEDES BENZ/
H813/3	HX50		PTH800		VALMET
H820/3X	OX18D	CH813PL	PL957		ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/ CASE/
H837	OX219	C1677	PH837		CATERPILLAR
H914	HX54		PH663		MAXION/ SANTAL
H932/1	OX43D	CH28011	PL425		TOYOTA
H932/4	OX150D	CH5261	PL364		MERCEDES BENZ/ TOYOTA
H941	OX215D	CH200PL	PL390		GM
H947/1	OX137D	CH5262	PL366		CASE/ MERCEDES BENZ/ SLC
HU 721 x KIT	HX77		PEH314		VOLVO
HU12110X	OX348D	CH9558	PEL2004		MERCEDES BENZ
HU12140X	OX168D		PEL2001		MERCEDES BENZ
HU610X	OX135/1D				MERCEDES BENZ
HU611X	OX209D				RENAULT
HU612x	OX193D	CH9443 ECO	PEL110		CITROEN/ COMPAIR/ PEUGEOT
HU7013x	OX351D				HYUNDAI
HU711/51X	OX339/2D	CH9973ECO	PEL108		CITROEN/ FORD/ PEUGEOT
HU713/1X	OX827D	CH9713ECO	PEL118		FIAT
HU718/1	OX153/7D				MERCEDES BENZ
HU719/6X	OX379D	CH9911			VOLKSWAGEN
HU721/2X	OX179D		PEL107		MERCEDES BENZ
HU727/1X	OX133D				MERCEDES BENZ
HU816/2x	OX175D				BMW/ CHRYSLER/ FIAT
HU824x	OX773D		PEL114		HYUNDAI/ KIA MOTORS
HU921X	OX91D				BMW
HU923X	OX210D	CH9462ECO	PEL312		RENAULT
HU925/4X	OX154/1D				BMW
HU926/3X	OX68D				BMW
HU931/5	OX161/D	CH8751			MERCEDES BENZ
HU932/8X	OX169/1D				FORD/ TROLLER
HU945/2X	OX174D				MERCEDES BENZ
MH54X	OX410D	CH6015	PL153		HONDA
MW64	OC1019	PH6017A	PSL638		HONDA/ KAWASAKI
P1044	OX214D	C3PL	PL3		EATON YALE/ FORD
P1234	KX89/2D	CS3558	PD204		RANDON/ SANTAL/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
P1278/1	KX88/1D	CS3504	PD202		SCANIA
P15159	KX92D	C1143PL	PC812		CUMMINS/ KOMATSU/ SLC
P44	KX90		PC505		YANMAR
P707	KX35	C11860PL	PC945		AGRALE/ BANTAN/ BOSCH/ CASE/ CBT/ CHRYSLER/ CLARK/ DYN-
P718/1X	KX218D	C9927ECO	PC947		RENAULT
P811	KX36	C11861PL			BOSCH/ EATON YALE/ MERCEDES BENZ
P824	KX25	CH816PL	PC162A		CASE/ MAXION

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
P917X	KX23	C1191	PC2/155		AGRALE/ ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/
P934A	KX91	C1166PL	PC4H8792		CATERPILLAR/ GARDNER DENVER
P945X	KX24	C4163	PC2/255		CHRYSLER/ CLARK/ FORD TRATORES/ GM/ MASSEY FERGUSON/
PF1055/1X	OX98D	CH5412	PL180		MERCEDES BENZ
PF1155	OX85D	C4DB	L4/1		ATLAS COPCO/ BANTAN/ CASE/ CBT/ CLARK/ EATON YALE/ FIAT
PF1190	OX30D	C30DB	L90		CLARK/ DYNAPAC/ EATON YALE/ ENGESA/ MERCEDES BENZ/
PF19326	OX198D	C175A	L750C		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENG-
PU1046X	KX67/2D	C8826	PEC3022		MERCEDES BENZ
PU723X	KX208D	C10705	PEC3023		CITROEN/ FIAT/ PEUGEOT
PU835X	KX268D	C10353	PC949		TOYOTA
PU941x	KX182/1D	C9517			SCANIA/ SCANIA ÔNIBUS
PU999/1X	KX80D	C9932ECO	PEC3021		MERCEDES BENZ
TB1374/3X	AL14				SCANIA/ SCANIA ÔNIBUS
TB1374X	AL12				FORD/ IVECO/ MERCEDES BENZ/ SCANIA/ SCANIA ÔNIBUS/ VOL-
W11102/18	OC403				SCANIA/ SCANIA ÔNIBUS
W11102/4	OC121	PH49A	PSL417		CATERPILLAR/ DYNAPAC/ GM/ SCANIA/ VOLVO
W11102/9	OC40	PH2960	PSL568		CASE/ FORD
W1114/80	OC239	P3828	PSL322		KIA MOTORS
W1135	OC335		PSL836		VALMET
W1167/2	OC302	PH7014	PSL569		FORD/ FORD TRATORES/ NEW HOLLAND
W1168/5	OC303	PH7136	PSL301		MERCEDES BENZ/ SCANIA
W1170	OC35	PH2883	PSL339		AGRALE/ BOB CAT/ FIAT/ FIAT ALLIS/ FORD/ FORD TRATORES/
W1173	OC507		PSL400		ATLAS COPCO/ CASE/ CATERPILLAR/ GARDNER DENVER/ GM
W1173	OC529	PH49	PSL400		CASE/ CATERPILLAR
W12100	OC532	P3555A	PSL277		CUMMINS
W12106	OC531	PH3375	PSL270		CUMMINS
W1262	OC319	PH3757	PSL281		CLARK/ CUMMINS/ ENGESA/ FIAT ALLIS/ HUBER WABCO/ MANNE-
W1265	HC82		PSH112		MASSEY FERGUSON
W1290/1	HC85	P3961	PSH211		CASE
W13145/2	OC122	PH3335	PSL405		CATERPILLAR
W131452	OC530	PH3335	PSL405		CATERPILLAR
W1323	OC404		PSL340		AGRALE/ GM/ MITSUBISHI/ NISSAN/ TROLLER/ VOLKSWAGEN
W1374/2	HC99	P5158	PSH766		CASE
W1374/2	HC4		PSH766		CASE/ CUMMINS/ DEMAG BAGGER/ MONTANA PARRUDA/ SANTAL
W6 multi 20	OC600	PH10904	TM5		FIAT/ HONDA/ KIA MOTORS/ MITSUBISHI/ NISSAN/ RENAULT
W610	OC259	PH8999	PSL55		FIAT/ HONDA/ KIA MOTORS
W66	OC475	TM5	PSL78		RENAULT
W67/80	OC195	PH6607	PSL78		ASIA MOTORS/ KIA MOTORS/ MAZDA/ NISSAN/ RENAULT/ SUZUKI
W68/80	OC534	PH4967	PSL129		CHRYSLER/ DAIHATSU/ NISSAN/ RENAULT/ SUZUKI/ TOYOTA
W7 multi 18	OC504 PLUS	PH10905	TM3		DAEWOO/ FIAT/ GM
W7 multi 20	OC505 PLUS	PH10906	TM4		ALFA ROMEO/ ATLAS COPCO/ CITROEN/ FIAT/ HYUNDAI/ LOMBA-
W7 multi 3/4D	OC522 PLUS	PH10908	TM2		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
W7 multi 3/4S	OC506 PLUS	PH10907	TM1		ALFA ROMEO/ BMW/ CHRYSLER/ CITROEN/ FIAT/ FORD/ KIA MOT-
W712/12	OC317	PH2862C	PSL62		CHERY/ DAEWOO/ GM
W712/22	OC90	PH4701	PSL619		DAEWOO/ FIAT/ GM
W712/43	OC235	PH5713	PSL145		BMW/ CHERY/ CITROEN/ FORD/ KIA MOTORS/ MAZDA/ TOYOTA
W712/5	OC250	PH8839	PSL560		SEAT/ VOLKSWAGEN
W712/8	OC100	PH4703	PSL135		ATLAS COPCO/ CITROEN/ LOMBARDINI/ PEUGEOT
W713/16	OC66	PH4558	PSL45		ALFA ROMEO/ FIAT
W719/27	OC266	PH5803	PSL144		FORD
W719/31	OC81	PH3980	PSL620		GM
W719/4	HC45	PH2870A	PSL561		FORD
W719/5	OC47	PH2870B	PSL562		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
W719/50	OC1055		PSL541		FORD
W723/3	OC38	PH2895	PSL408		AUDI/ CBT/ CIBER/ EATON YALE/ MASSEY FERGUSON/ MAXION/

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
W75/2	OC309	PH5796	PSL77		NISSAN/ PEUGEOT/ RENAULT
W75/5	OC728	PH9648			GM
W79	OC704	PH5511	PSL51		RENAULT
W814/80	OC115		PSL131		HONDA/ MAZDA
W815/80	OC205		PSL130		ASIA MOTORS/ DAIHATSU/ GM/ HONDA/ HYUNDAI/ KIA MOTORS/
W915/9	OC300	PH927A	PSL565		FORD/ GM/ VOLKSWAGEN
W917	OC204	PH2861B	PSH421		VOLVO
W920/31	OC23	PH2863	PSL47		ALFA ROMEO/ BMW/ CHRYSLER/ FIAT/ FORD/ LADA
W920/41	OC318	PH2856	PSL321		ASIA MOTORS/ CHERY/ CHRYSLER/ GM/ HYUNDAI/ KIA MOTORS/
W920/6	OC236				CHRYSLER
W920/7	OC18	PH9A	PSL171		AGRALE/ AM HOIST/ ATLAS COPCO/ BOB CAT/ CASE/ CHRYSLER/
W921/80	OC299	PH4853	PSL323		KIA MOTORS
W923	OC332	PH5426	PSL617		GM
W923/1	OC261	PH5443	PSL902		FORD/ GM/ LAND ROVER/ MERCEDES BENZ
W930/14	HC96	PH8789	PSH173		SCANIA/ SCANIA ÔNIBUS
W930/6	OC301	PH2845	PSL958		AGRALE/ CLARK/ EATON YALE/ ENGESA/ GM/ HYSTER/ PUMA
W934	OC324	PH2821C	PSL900		AGRALE/ ATLAS COPCO/ AUDI/ BANTAN/ BARBER GREENE/ CASE/
W934/2	OC336	PH36			CATERPILLAR
W936/8	OC114	PH13	PSL959		CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MATILDE
W940/18	OC26	PH2842	PSL123		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
W940/34	OC333	PH3900	PSL282		CASE/ FORD
W940/69	OC613		PSL655		CITROEN/ FIAT/ IVECO/ PEUGEOT
W940/81	OC67	PH8A	PSL714		BANTAN/ BOB CAT/ CASE/ CHRYSLER/ FORD/ FORD TRATORES/
W950/12	HC83	P5573	PSH306	LKW	
W950/16	OC320	PH3976	PSL280		CASE/ CLARK/ CUMMINS/ FORD/ KOMATSU/ MANNESMANN/ MAS-
W950/26	OC502	PH9617	PSL283		FORD/ IVECO/ VOLKSWAGEN
W950/35	OC2	PH4826	PSL325		ASIA MOTORS/ CITROEN/ PEUGEOT
W950/7	OC308	PH977B	PSL675		ATLAS COPCO/ CASE/ CBT/ CIBER/ DYNAPAC/ FORD/ FORD TRA-
W950/8	HC76	P4637A	PSH486		AGRALE/ FORD/ FORD TRATORES/ SLC
W950/8	HC84	P4637A	PSH96		
W950/9	OC30	PH4934	PSL418		ATLAS COPCO/ FIAT ALLIS/ VOLVO
W962	OC60	PH2801B	PSL962		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
W962/14	OC175		PSH962		ATLAS COPCO
WA921/1	WFC4	PR3909	PSA272		
WA923/1	WFC2	PR3908	PSA331		
WA940/1	WFC1	PR3304	PSA299		
WA956/1	WFC3	PR3392A	PSA761		
WDK11102/9	KC251		PSC80		VOLVO
WH980	HC104		PSH025		CASE
WH980/3	HC112				CASE/ CATERPILLAR/ JOHN DEERE
WK1030	KC121/1	PS9029	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
WK1040	KC122	PS8187	PSD460/1		FIAT/ GM/ MERCEDES BENZ/ MONTANA PARRUDA/ VOLKSWAGEN
WK1050/1	KC125/1	PS10610	PSD480/1		IVECO/ MERCEDES BENZ
WK1060	KC125	PS9026	PSD480/1		IVECO/ MERCEDES BENZ
WK1060	KC126/1	PS9027			MERCEDES BENZ
WK1060/1	KC124/1	PS9025	PSD470/1		GM/ MONTANA PARRUDA/ VOLVO
WK1060/1	KC124	PS9025	PSD470/1		VOLVO
WK1060/2	KC123/1	PS9028	PSD490/1		SCANIA/ SCANIA ÔNIBUS/ VOLVO
WK1060/3X	KC121	PS9029	PSD450/1		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
WK1060/4	KC126	PS9027	PSD480/1		MERCEDES BENZ
WK1060/5X	KC123				VOLVO
WK11102/5	KC222	P3376	PSC085		CATERPILLAR
WK1124	KC437	P10607	PSC491		VOLKSWAGEN
WK1156	KC128	PS9028	PSD490/1		MERCEDES BENZ/ SCANIA/ VOLVO
WK1156/1	KC127	PS7171			MERCEDES BENZ/ SCANIA/ VOLKSWAGEN

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
WK1162	KC4	P4105	PSC100		FIAT/ FIAT ALLIS/ MAXION/ NEW HOLLAND
WK31/5	KL33	P4173			MAZDA/ MERCEDES BENZ
WK44/4	KL63	G12	GU86		AGRALE/ ASIA MOTORS/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/
WK47/1	KL225	G5471	GI02		GM
WK47/1	KL225/1		GI02/2		GM
WK48/3	KL222	G5188	AG68		AGRALE/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/ ENGESA/ FIAT/
WK510	KL238D	G7729	GI41		FIAT
WK513	KL239/1	G5493	GI40/7		FIAT
WK516/1	KL66	G5774			BMW
WK58	KL582(Plus)	G9890F	GI04/7		ALFA ROMEO/ CHERY/ DAEWOO/ FIAT/ FORD/ GM/ TOYOTA
WK58	KL83	G5540	GI04		ALFA ROMEO/ DAEWOO/ FIAT/ FORD/ GM
WK59X	KL176/6D				AUDI/ SEAT/ VOLKSWAGEN
WK612/7	KL420	G9291	GI60/7		FORD
WK613	KL60	G6400	GI03		BMW/ CITROEN/ FIAT/ GM/ MITSUBISHI/ PEUGEOT/ SEAT/ VOLKS-
WK613	KL60/2	G6400	GI03/1		FIAT/ VOLKSWAGEN
WK613/3	KL237	G5738	GI08/1		SEAT/ VOLKSWAGEN
WK613/3	KL237/1	G5738	GI08/1		VOLKSWAGEN
WK613/4	KL223/1	G8781	GI07/1		FORD/ VOLKSWAGEN
WK613/4	KL223	G7649	GI07		
WK614/37	KL139				TOYOTA
WK68/1X	KL185	G7599	GI09		HONDA
WK69/2	KL156/3				VOLKSWAGEN
WK710/5	KC132		PSC994		KIA MOTORS
WK712/4	KL224	G3802A	GI06		
WK712/4	KL224/1	G9889F	GI06/1		
WK718/1	KL774				FORD/ PUMA/ VOLKSWAGEN
WK723	KC24	P4102	PSC72/2		AGRALE/ ATLAS COPCO/ BOB CAT/ CASE/ CUMMINS/ DYNAPAC/
WK724	KC6D	P4102/P4688			AGRALE/ BOB CAT/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/ FORD/
WK730/1	KL79	G5870	GI10		AUDI/ VOLKSWAGEN
WK730/1	KL79/3	G5870	GI10		AUDI/ VOLKSWAGEN
WK730/6	KL635	G9892F	GI12/7		HONDA/ VOLKSWAGEN
WK731	KC113	P9368	PSC73/1		AGRALE/ AM HOIST/ ATLAS COPCO/ CASE/ CATERPILLAR/ DEMAG
WK814/1	KC22	P4159	PSC401		AUDI/ MERCEDES BENZ
WK824	KC129/1	PS8787	PSC406		FORD/ GM/ MERCEDES BENZ
WK830	KL2	G3829	GI01		ALFA ROMEO/ AUDI/ BMW/ CITROEN/ FIAT/ FORD/ GM/ LAND
WK842	KC18	P4183	PSC496		AGRALE/ ALFA ROMEO/ AUDI/ BMW/ CASE/ CITROEN/ FIAT/ FORD/
WK842	KC166		PSC411		CASE/ FORD
WK842/13	KL100/2				MERCEDES BENZ/ NISSAN
WK842/14	KL316				GM/ NISSAN
WK842/3	KL41	P4836	PSC498		AGRALE/ FORD/ GM/ HONDA/ LAND ROVER
WK842/4	KL75	P5328	PSC498/1		FORD/ GM/ SEAT/ VOLKSWAGEN
WK846	KL425		PSC451		FORD/ TROLLER
WK853/15	KL761		PSC498/2		FORD
WK853/22	KL445				MERCEDES BENZ
WK854/1	KC130		PSD965		VOLKSWAGEN
WK854/2	KC182		PSC455		IVECO
WK920/1	KC46	P4886	PSC998		ASIA MOTORS/ HYUNDAI/ KIA MOTORS/ MITSUBISHI
WK940/1	KC83	P4922	PSC999		HYUNDAI/ MITSUBISHI/ TOYOTA
WK940/10	KC441	P9422	PSC82		SCANIA/ SCANIA ÔNIBUS
WK940/12	KC94	P5797	PSC84		CASE/ SANTAL/ SCANIA/ SCANIA ÔNIBUS
WK940/24	KC119	PS6643	PSD530/1		AGRALE/ CASE/ GM/ MERCEDES BENZ
WK940/35	KL747		PSC454		GM/ NISSAN
WK940/7	KC107	P3401	PSC410		CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FIAT ALLIS/ FORD/
WK947/2	KC118				FORD/ VOLKSWAGEN
WK950/13	KC114	P1104	PSC744		ATLAS COPCO/ CATERPILLAR/ DYNAPAC/ GARDNER DENVER/

MANN	MAHLE E METAL LEVE	FRAM	TECFIL	LINHA	APLICAÇÃO
WK950/14	KC120		PSD970/1		AGRALE
WK950/19	KC214	PS10061	PSC493		IVECO
WK950/21	KC440	P9454	PSC75		FORD/ IVECO/ VOLKSWAGEN
WK950/6	KC186		PSC494		IVECO
WK955/2	KC133	P1103A	PSC172		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FORD/
WK962/7	KC75	P5694	PSC79		VOLVO
WP1045	OC1062	PH5529	PSL158		KIA MOTORS/ MITSUBISHI
WP11102	OC282	P3555PL	PSL419		
WP1144	OC248	PH4847A	PSL156		CITROEN/ FIAT/ IVECO/ PEUGEOT/ RENAULT/ SEAT
WP1169	OC267				IVECO
WP12300	OC541				CASE
WP12300	OC304	HPH6349A	PSL300		CASE/ CUMMINS/ FIAT ALLIS/ FORD/ RANDON/ VOLKSWAGEN
WP928/80	OC275	PH5123	PSL128		TOYOTA
WP928/81	OC274	PH6355A	PSL327		ALFA ROMEO/ HYUNDAI/ KIA MOTORS/ MAZDA/ MITSUBISHI

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
ACA104	LA142	CF9533	CUK2422		FIAT
ACA306	LAK63		CUK2862		AUDI/ VOLKSWAGEN
ACA904	LA612	CF10829	CU20001		FIAT
ACA904	LAK612				FIAT
ACA905	LAK81	CF8777	CUK3780		MERCEDES BENZ
ACP001	LA75	CF8868	CU3054		GM
ACP003	LA11	CF5475	CU4251		GM
ACP004	LA189	CF9807	CU2143		GM
ACP005	LA117	CF9495	CU3337		GM
ACP006	LA74	CF8867	CU2757		GM
ACP007	LA653	CF5892			VOLVO
ACP009	LA650	CF9655	CU1722		SCANIA
ACP009	LA432		CU1722		SCANIA/ SCANIA ÔNIBUS
ACP100	LA499	CF8989	CU2344		FIAT
ACP101	LA601	CF9034	CU2504		FIAT
ACP102	LA56	CF5819	CU2951		ALFA ROMEO/ FIAT
ACP103	LA422	CF9478	CU2629		FIAT
ACP105	LA123	CF8890	CU4442		CITROEN/ FIAT/ IVECO/ PEUGEOT
ACP131	LA144		CU2335		FIAT
ACP200	LA77	CF5817	CU3554		FORD/ MAZDA
ACP202	LA169	CA9666	CU2433		FORD
ACP203	LA78	CF8331	CU3567		FORD
ACP204	LA752				FORD
ACP298	LA45	CF5662	CU3955		AUDI/ VOLKSWAGEN
ACP300	LA31	CF5663	CU2882		AUDI/ SEAT/ VOLKSWAGEN
ACP303	LA120	CF9323	CU2545		VOLKSWAGEN
ACP304	LA605				VOLKSWAGEN
ACP305	LA591	CF9084	CU3162		VOLKSWAGEN
ACP481	LA611/S				MINI
ACP550	LA87	CF9085	CU2945		RENAULT
ACP551	LA606				RENAULT
ACP552	LA60	CF9086	CU2734		
ACP600	LA83	CF9051	CU3858		MERCEDES BENZ
ACP700	LA82	CF5865			HONDA/ LAND ROVER
ACP703	LA122/S	CF10108			HONDA
ACP707	LA668				HONDA
ACP708	LA344				HONDA
ACP709	LA607				HONDA
ACP727	LA396		CU1936		NISSAN
ACP797	LA9	CF5864	CU2861		PEUGEOT
ACP800	LA57	CF9071	CU3448		PEUGEOT
ACP821	LA439				IVECO
ACP885	LA109	CF9466	CU1828		TOYOTA
ACP886	LA395				TOYOTA
ACP887	LA655		CU1919		TOYOTA
ACP900	LA153	CF9479	CU2655		CITROEN
ACP903	LA138	CF10109	CU2940		CITROEN/ COMPAIR/ CUMMINS/ PEUGEOT/ VOLVO
ACP971	LA608				HYUNDAI
ACP972	LA301	CF10210	CU2336		HYUNDAI/ KIA MOTORS
ACP973	LA677	CF9656	CU5877		MERCEDES BENZ
ACP974	LA343		CU2362		HYUNDAI/ KIA MOTORS
ACP976	LA531	CF10776	CU19001		KIA MOTORS
ACP977	LA298	CF10248	CU2434		KIA MOTORS
ACP979	LA648				HYUNDAI
AG68	KL222	G5188	WK48/3		AGRALE/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/ ENGESA/ FIAT/

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
AP1001	LX1097	CA5813	C18142		KIA MOTORS
AP1002	LX1068	CA5812	C22181		ASIA MOTORS/ KIA MOTORS
AP1008	LX912	CA4255	C1137		TOYOTA
AP1009	LX1067	CA5901			MINI
AP1012	LX1094	CA8840	C21105		ASIA MOTORS/ KIA MOTORS
AP1026	LX1065	CA2647	C2799		CHRYSLER/ FORD/ MULLER/ VOLKSWAGEN
AP1185	LX970	CA4221	C30880/1		SCANIA
AP1186	LX450	CA4221A	C30880/2		SCANIA/ SCANIA ÔNIBUS
AP2032	LX243	CA3291A	C20325		AGRALE/ BUCYRUS ERIE/ CASE/ CLARK/ DYNAPAC/ FIAT ALLIS/
AP2710	LX236	CA4202	C17225/3		CASE/ CBT/ COMPAIR/ DEMAG BAGGER/ DYNAPAC/ FORD/ FORD
AP2813	LX1064	CA3105	C20164		HYUNDAI
AP2888	LX1057	CA4989	C13200		AGRALE/ MULLER/ VALMET
AP4440	LX227	CA4685	C23440/1		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
AP4650	LX241	CA3290	C24650		ATLAS COPCO/ EATON YALE/ KOMATSU/ MANNESMANN/ RANDO-
AP4650/1	LX271/2	CA3280	C24650/1		ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/ FIAT/ HUBER
AP4807	LX760	CA502	C311390		CASE/ CUMMINS/ SANTAL
AP4934	LX1101	CA226	C29624		CATERPILLAR
AP4935	LX1063	CA236	C16140		CATERPILLAR
AP4960	LX969	CA4376	C18378		FORD TRATORES
AP5460	LX972	CA546	C21493		FORD/ VOLKSWAGEN
AP5461	LX971	CA4691	C27798		FORD/ VOLKSWAGEN
AP5462	LX1096	CA5971	C21367		FORD
AP5569	LX93	CA5155	C311093/2		VOLVO
AP5570	LX1098	CA5189	C351592		VOLVO
AP5570	LX1098/1	CA5189	C351592		
AP5571	LX1055	CA5347	C371774		VOLVO
AP5572	LX1281	CA9560	C341500		VOLVO
AP5573	LX1587				VOLVO
AP5773	LX531	CA9381	C30703		SCANIA ÔNIBUS
AP6774	LX17	CAK258	C16192		CASE/ CBT
AP7023	LX973	CA3289	C29254/1		CASE/ FORD/ GM/ MAXION/ VOLKSWAGEN
AP7108	LX275	CA3295	C15165/3		AGRALE/ ATLAS COPCO/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD
AP7360	LXS232	CA598SY	C20187/1		CATERPILLAR
AP7554	LX626	CA10866	C331600/2		IVECO
AP7716	LX1100	CA598	C30883		CATERPILLAR
AP780	LX1102		54501067114		VOLVO
AP7992	LX2646		C17232		FORD
AP7996	LX975	CA282	C17262		FORD
AP7997	LX974	CA282A	C17262/1		FORD
AP7998	LX910	CA283A	C17308		AGRALE/ FORD/ MERCEDES BENZ/ VOLKSWAGEN
AP8047	LX116	CA224	C24444		CATERPILLAR
AP8048	LX1062	CA237	C1371		CATERPILLAR
AP8518	LX567	CA5712	C15127/2		MERCEDES BENZ
AP8528	LX200	CA3105	C13114/4		AGRALE/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD TRATO-
AP8528	LX200/1	CA3105	C13114/4		
AP8606	LX2713				NEW HOLLAND
AP9834	LX265	CA3291	C20325/2		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
AP9835	LX273	CA4215	C30850/2		CASE/ CLARK/ FIAT/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTA-
AP9836	LX1056	CA5626	C27844		FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
AP9836	LX1056/1	CA5626	C27844		
AR1018	LX2689				KIA MOTORS
AR2147	LX157/1	CA2718	C2120		DAIHATSU/ FIAT
AR2867	LX272	CA4260	C1176/3		AGRALE/ ATLAS COPCO/ BAMBOZZI/ VOLKSWAGEN
AR2953	LX963	CA2672	C1253		FORD/ VOLKSWAGEN
AR3147	LX55	CA4259	C1399		FIAT

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
AR3589	LX902/1	CA2653	C2639		AGRALE/ CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MA-
AR4148	LX961	CA5356	C13100		FIAT
AR6016	LX905/1	CA303	C2840		FORD/ HONDA
AR6084	LX64	CA4261	C3338		FORD
AR6089	LX202	CA2732	C2646		FORD/ VOLKSWAGEN
AR6193	LX903/1	CA2737	C1535/1		HOSS VOEGELE/ PUMA/ PUTSMEISTER/ VOLKSWAGEN
AR6194	LX904/1	CA3130	C1522		PUMA/ VOLKSWAGEN
AR6195	LX900/1	CA3191	C1732		GURGEL/ VOLKSWAGEN
AR6196	LX901	CA4258C	C1513		VOLKSWAGEN
AR7701	LX330	CA5229	C18121		RENAULT
AR7702	LX290	CA3154	C1380		CITROEN/ GM/ RENAULT
AR7703	LX147	CA4524	C13109		CHRYSLER/ RENAULT
AR7704	LX646/1	CA8774	C1145/5		
AR7705	LX2830		C2680		RENAULT
AR8113	LX3236	CA10564			HYUNDAI
AR8833	LX958	CA4336	C2648		GM
AR9620	LX208/1	CA3333	C2852/2		AUDI/ FORD/ GM/ GURGEL/ PUMA/ SEAT/ VOLKSWAGEN
ARL 2202	LX1286	CA9482	C2620		TOYOTA
ARL1030	LX1298	CA8040	C2329		HONDA/ NISSAN/ SUBARU
ARL1034	LX1645	CA10165	C2240		HONDA
ARL1069	LX2645	CA5058	C2850		FORD
ARL1116	LX1066	C5499	C1158		ASIA MOTORS/ DAIHATSU
ARL1713	LX1821	CA5873			KIA MOTORS
ARL2331	LX1785		C2631		HYUNDAI/ KIA MOTORS
ARL2505	LX589	CA5495	C2664		FIAT
ARL2506	LX453	CA5140	C2571/1		ALFA ROMEO/ FIAT
ARL2507	LX618	CA5630A	C25100		ALFA ROMEO/ FIAT
ARL4147	LX907	CA5325	C2496		FIAT
ARL4150	LX908	CA5627	C2585		FIAT
ARL5049	LX1745	CA10237	C4292		PEUGEOT
ARL5050	LX643	CA8674	C2159		CITROEN/ PEUGEOT
ARL5050	LX645/1	CA8674	C2159		PEUGEOT
ARL5053	LX1287	CA9315	C3485/3		CITROEN
ARL5136	LX1711		C1733		PEUGEOT/ RENAULT
ARL5137	LX876	CA8821	C32199		RENAULT
ARL5310	LX513	CA8668	C32338/1		MERCEDES BENZ
ARL6090	LX906	CA5156	C26111		FORD/ VOLKSWAGEN
ARL6091	LX909	CA5513	C29108		VOLKSWAGEN
ARL6092	LX405	CA5370			SEAT/ VOLKSWAGEN
ARL6093	LX684	CA5827	C37153		AUDI/ VOLKSWAGEN
ARL6094	LX418	CA5377	C28136/1		SEAT/ VOLKSWAGEN
ARL6096	LX1779	CA9290	C2969		VOLKSWAGEN
ARL8103	LX572	CA5111	C33156		CITROEN/ PEUGEOT
ARL8108	LX1048		C25117/2		PEUGEOT
ARL8825	LX999		C30125/1		GM
ARL8832	LX523	CA5496	C2256		GM
ARL8834	LX1315	CA5981	C1944		GM
ARL8836	LX414	CA4567	C2991/1		GM/ VOLVO
ARL8837	LX448	CA5108	C26168		AUDI/ BMW/ GM/ VOLKSWAGEN
ARL8838	LX964	CA7421	C2970		GM
ARL8839	LX614	CA5680	C34116/1		GM
ARL8840	LX735	CA5970	C30130		GM
ARL8841	LX1316	CA3914			GM
ARL9601	LX435	CA5357	C26138/1		FORD
ARL9602	LX2642	CA10094	C2278		FORD

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
ARL9603	LX687	CA5682	C2677		
ARL9604	LX962	CA5837	C2982/1		FORD
ARL9605	LX1312	CA8736	C2693		FORD
ARL9606	LX1095	CA8243	C23121		FORD/ MAZDA
ARL9607	LX1712	CA5929	C2776		FORD
ARL9608	LX1597	CA9511	C4151		FORD
ARL9609	LX1589				FORD
ARM444/1	LX3111		C1215		HONDA
ARM445/1	LX3110				YAMAHA
ARM446/1	LX3109	CA9835	C1425		HONDA
ARM447/1	LX3108	CA9834	C1016		HONDA
ARM448/1	LX3107		C1428		HONDA
ARM449/1	LX3106		C1315		HONDA
ARS1013	LX611	CA5611	C17278		CITROEN/ FIAT/ PEUGEOT
ARS1029	LX2526	CA9129PU	C11127		FIAT
ARS1187	LX714				SCANIA
ARS1188	LX712	CA9419	C301500		SCANIA
ARS1189	LX1069	CA9418	C301622		SCANIA
ARS2499	LX2528		C24580		CATERPILLAR
ARS2501	LX1774		C29840		
ARS2711	LX1092	CA7139			GM
ARS2868	LX960	CA5961PU	C14200		GM/ MASSEY FERGUSON/ VOLKSWAGEN
ARS2869	LX2529	CA8852	C16197		
ARS3003	LX1314		C20500		AGRALE
ARS5134	LX1801	CA9746	C23610		AGRALE/ MASSEY FERGUSON
ARS5135	LX1777	CA7480	C321170		CATERPILLAR
ARS5196	LX1780/3		C16134/1		FORD
ARS5673	LX2533	CA9369	C21470		FORD/ VOLKSWAGEN
ARS6223	LX3190		C18360		JOHN DEERE/ MASSEY FERGUSON/ MITSUBISHI/ NEW HOLLAND
ARS6333	LX2959		C13145		CATERPILLAR/ JOHN DEERE/ KUBOTA/ YANMAR
ARS6940	LX2527		C14230		CASE
ARS7065	LX2125	CA9916	C23107		TOYOTA
ARS7109	LX1687/1	CA9744	C15300		AGCO/ MAXION/ MITSUBISHI/ NISSAN/ VOLVO
ARS7990	LX1713		C18263		FORD
ARS7991	LX2531	CA9833	C11102		
ARS8233	LX610		C16247/1		IVECO
ARS8235	LX2082/1	CA5699	C321420/1		IVECO
ARS8236	LX2532	CA100221	C18450/1		IVECO/ TROLLER
ARS8842	LX1673	CA9745	C16400		
ARS8889	LX1142	CA5741	C17337		
ARS9837	LX1070	CA9032	C27902		IVECO/ MERCEDES BENZ/ VOLVO
ARS9838	LX1093	CA9033	C20457		MERCEDES BENZ/ MONTANA PARRUDA
ARS9839	LX1716	CA5626PU	C27830		FORD/ MERCEDES BENZ/ VOLKSWAGEN
ARS9840	LX1313/1	CA9747	C271340		MERCEDES BENZ/ VOLVO
ART5051	LX773	CA8964	C1858/1		NISSAN/ RENAULT
ART5052	LX744		C32123		CITROEN/ PEUGEOT
ART5054	LX957/3	CA9784	C2512		NISSAN/ RENAULT
ART6098	LX998	CA9410	C2295/2		FORD/ VOLKSWAGEN
AS116	LXS287	CA9380SY	CF1610		SCANIA ÔNIBUS
AS213	LXS299	CA502SY	C19171		CASE/ CLARK/ CUMMINS/ EATON YALE/ FIAT ALLIS/ GARDNER
AS381	LXS7233	CA5407	C20118		VOLVO
AS500	LXS225	CA4376SY	CF1030		FORD TRATORES
AS571	LXS7231		C20168		VOLVO
AS572	LXS282		CF2000		VOLVO
AS801	LXS40/1	CA3105SY	CF600		AGRALE/ BANTAN/ CASE/ DYNAPAC/ ENGESA/ FIAT/ FORD/ FORD

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
AS805	LXS5/1	CA3295SY	CF700		AGRALE/ CBT/ ENGESA/ FIAT ALLIS/ FORD/ FORD TRATORES/ GM/
AS810	LXS41/1	CA4202SY	CF800		CASE/ CBT/ COMPAIR/ DYNAPAC/ FORD/ FORD TRATORES/ GARD-
AS820	LXS37/1	CA3291SY	CF1000		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ COMPAIR/ DEUTZ/
AS830	LXS42/1	CA4685SY	CF1200		AGRALE/ ATLAS COPCO/ CASE/ CBT/ CLARK/ DYNAPAC/ ENGESA/
AS835	LXS227	CA4691SY	CF1400		FORD/ VOLKSWAGEN
AS836	LXS226	CA4692SY	CF1310		FORD/ VOLKSWAGEN
AS837	LXS229	CA5971SY	CF1560		FORD
AS840	LXS43/1	CA3280SY	CF1300		AM HOIST/ ATLAS COPCO/ CASE/ CLARK/ DYNAPAC/ ENGESA/
AS860	LXS44/1	CA5483SY	CF1600		CASE/ CLARK/ IVECO/ MERCEDES BENZ/ MICHIGAN/ SANTAL/
AS950	LXS231	CA282SY	C1157/2		FORD
ASR188	LXS288	CA9419SY	CF1710		SCANIA
ASR203	LXS251	CA9352SY	CF500		AGRALE
ASR353	LXS219	CA9746SY	CF600/1		AGRALE/ MASSEY FERGUSON
ASR513	LXS7229	CA7480SY	CF21239		CATERPILLAR
ASR673	LXS296				FORD/ VOLKSWAGEN
ASR806	LXS259		CF300/1		AGCO/ MAXION/ VOLVO
ASR815	LXS230	CA7139SY			GM
ASR837	LXS261		CF1550		IVECO/ MERCEDES BENZ/ VOLVO
ASR838	LXS263		CF933		MERCEDES BENZ/ MONTANA PARRUDA
ASR839	LXS260	CA5626SYPU			FORD/ GM/ MERCEDES BENZ/ SCANIA/ VOLKSWAGEN
ASR868	LXS295		CF200/1		MASSEY FERGUSON
ASR870	LXS262	CA9418SY	CF1711		SCANIA
FC161	KX43	C11860ZP	BFU707		AGRALE/ BANTAN/ BARBER GREENE/ CASE/ CBT/ CHRYSLER/
FC164	KX49	C11864ZP	BFU700SCI		MERCEDES BENZ/ SLC
FC165	KX44	C11861ZP	BFU811SCI		ATLAS COPCO/ CASE/ DEUTZ/ DYNAPAC/ EATON YALE/ FIAT ALLI-
GI01	KL2	G3829	WK830		ALFA ROMEO/ AUDI/ BMW/ CITROEN/ FIAT/ FORD/ GM/ LAND
GI02	KL225	G5471	WK47/1		GM
GI02/2	KL225/1		WK47/1		GM
GI03	KL60	G6400	WK613		BMW/ CITROEN/ FIAT/ GM/ MITSUBISHI/ PEUGEOT/ SEAT/ VOLKS-
GI03/1	KL60/2	G6400	WK613		FIAT/ VOLKSWAGEN
GI04	KL83	G5540	WK58		ALFA ROMEO/ DAEWOO/ FIAT/ FORD/ GM
GI04/7	KL582(Plus)	G9890F	WK58		ALFA ROMEO/ CHERY/ DAEWOO/ FIAT/ FORD/ GM/ TOYOTA
GI06	KL224	G3802A	WK712/4		
GI06/1	KL224/1	G9889F	WK712/4		
GI07	KL223	G7649	WK613/4		
GI07/1	KL223/1	G8781	WK613/4		FORD/ VOLKSWAGEN
GI08/1	KL237	G5738	WK613/3		SEAT/ VOLKSWAGEN
GI08/1	KL237/1	G5738	WK613/3		VOLKSWAGEN
GI09	KL185	G7599	WK68/1X		HONDA
GI10	KL79	G5870	WK730/1		AUDI/ VOLKSWAGEN
GI10	KL79/3	G5870	WK730/1		AUDI/ VOLKSWAGEN
GI12/7	KL635	G9892F	WK730/6		HONDA/ VOLKSWAGEN
GI40/7	KL239/1	G5493	WK513		FIAT
GI41	KL238D	G7729	WK510		FIAT
GI50/7	KL583(Plus)	G5857			CITROEN/ PEUGEOT/ RENAULT/ SEAT/ VOLKSWAGEN
GI60/7	KL420	G9291	WK612/7		FORD
GU86	KL63	G12	WK44/4		AGRALE/ ASIA MOTORS/ AUDI/ BMW/ CBT/ CHRYSLER/ CITROEN/
L4/1	OX85D	C4DB	PF1155		ATLAS COPCO/ BANTAN/ CASE/ CBT/ CLARK/ EATON YALE/ FIAT
L750C	OX198D	C175A	PF19326		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/
L90	OX30D	C30DB	PF1190		CLARK/ DYNAPAC/ EATON YALE/ ENGESA/ MERCEDES BENZ/
PC162A	KX25	CH816PL	P824		CASE/ MAXION
PC2/155	KX23	C1191	P917X		AGRALE/ ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/
PC2/255	KX24	C4163	P945X		CHRYSLER/ CLARK/ FORD TRATORES/ GM/ MASSEY FERGUSON/
PC4H8792	KX91	C1166PL	P934A		CATERPILLAR/ GARDNER DENVER
PC505	KX90		P44		YANMAR

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
PC812	KX92D	C1143PL	P15159		CUMMINS/ KOMATSU/ SLC
PC945	KX35	C11860PL	P707		AGRALE/ BANTAN/ BOSCH/ CASE/ CBT/ CHRYSLER/ CLARK/
PC946	KX269				IVECO
PC947	KX218D	C9927ECO	P718/1X		RENAULT
PC948	KX206D				RENAULT
PC949	KX268D	C10353	PU835X		TOYOTA
PD202	KX88/1D	CS3504	P1278/1		SCANIA
PD204	KX89/2D	CS3558	P1234		RANDON/ SANTAL/ SCANIA/ SCANIA ÔNIBUS/ VOLVO
PEC3021	KX80D	C9932ECO	PU999/1X		MERCEDES BENZ
PEC3022	KX67/2D	C8826	PU1046X		MERCEDES BENZ
PEC3023	KX208D	C10705	PU723X		CITROEN/ FIAT/ PEUGEOT
PEH314	HX77		HU 721 x KIT		VOLVO
PEL107	OX179D		HU721/2X		MERCEDES BENZ
PEL108	OX339/2D	CH9973ECO	HU711/51X		CITROEN/ FORD/ PEUGEOT
PEL110	OX193D	CH9443 ECO	HU612x		CITROEN/ COMPAIR/ PEUGEOT
PEL114	OX773D		HU824x		HYUNDAI/ KIA MOTORS
PEL118	OX827D	CH9713ECO	HU713/1X		FIAT
PEL2001	OX168D		HU12140X		MERCEDES BENZ
PEL2004	OX348D	CH9558	HU12110X		MERCEDES BENZ
PEL312	OX210D	CH9462ECO	HU923X		RENAULT
PFC15	KL796				CASE/ FORD
PH101	HX53		H710		
PH126	HX107				CASE
PH1960	OX216	CH155APL	H1074		CATERPILLAR
PH346	HX15	CH803APL	H601/4		AGRALE/ CASE/ CBT/ ENGESA/ FIAT/ FORD/ GM/ IVECO/ MERCE-
PH520	HX51D	C1664PL	H1291/1		CASE/ CBT/ CLARK/ HUBER WABCO/ MAXION/ MULLER/ SANTAL/
PH521	HX57D		H1278		DYNAPAC
PH538	HX58	C4662	H119		
PH64	HX52	C1660	H1497/1		CATERPILLAR
PH663	HX54		H914		MAXION/ SANTAL
PH837	OX219	C1677	H837		CATERPILLAR
PL132/1	OX5D	CH33APL	H11106/1		CASE/ FIAT ALLIS/ PUMA/ SLC
PL153	OX410D	CH6015	MH54X		HONDA
PL180	OX98D	CH5412	PF1055/1X		MERCEDES BENZ
PL265	OX200D	CH834PL	H1034/3		ATLAS COPCO/ BMW/ BUCYRUS ERIE/ CASE/ CBT/ CLARK/ EATON
PL3	OX214D	C3PL	P1044		EATON YALE/ FORD
PL345	OX75D	CH2989	H1164		HUBER WABCO/ LIEBHERR/ MERCEDES BENZ/ SANTAL
PL364	OX150D	CH5261	H932/4		MERCEDES BENZ/ TOYOTA
PL366	OX137D	CH5262	H947/1		CASE/ MERCEDES BENZ/ SLC
PL390	OX215D	CH200PL	H941		GM
PL425	OX43D	CH28011	H932/1		TOYOTA
PL442	OX199D	CH4829	H1271		CASE/ CBT/ CLARK/ DYNAPAC/ EATON YALE/ FIAT ALLIS/ GALION/
PL447	OX69D	CH2962	H12110/2X		MERCEDES BENZ
PL449	OX71D	CH2963	H1275X		MERCEDES BENZ
PL46	OX47D	CH962PL	H720		CASE/ IDEAL/ MASSEY FERGUSON/ MAXION/ MERCEDES BENZ/
PL516	OX218D	CH211A	H13153		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ EATON YALE/ ENG-
PL519	OX197D	CH2927	H12111X		BANTAN/ BARBER GREENE/ CLARK/ DYNAPAC/ EATON YALE/
PL6H9999	OX217D	CH238PL	H1496		ATLAS COPCO/ CATERPILLAR/ GARDNER DENVER/ INGERSOLL
PL957	OX18D	CH813PL	H820/3X		ATLAS COPCO/ BAMBOZZI/ BANTAN/ BARBER GREENE/ CASE/
PL9F6700	OX3D	CH191APL	H1072/11X		CATERPILLAR/ GARDNER DENVER/ KOMATSU
PSA272	WFC4	PR3909	WA921/1		
PSA299	WFC1	PR3304	WA940/1		
PSA331	WFC2	PR3908	WA923/1		
PSA761	WFC3	PR3392A	WA956/1		
PSC085	KC222	P3376	WK11102/5		CATERPILLAR

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
PSC100	KC4	P4105	WK1162		FIAT/ FIAT ALLIS/ MAXION/ NEW HOLLAND
PSC172	KC133	P1103A	WK955/2		ADAMS/ CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FORD/
PSC401	KC22	P4159	WK814/1		AUDI/ MERCEDES BENZ
PSC406	KC129/1	PS8787	WK824		FORD/ GM/ MERCEDES BENZ
PSC410	KC107	P3401	WK940/7		CASE/ CLARK/ CUMMINS/ DYNAPAC/ ENGESA/ FIAT ALLIS/ FORD/
PSC411	KC166		WK842		CASE/ FORD
PSC451	KL425		WK846		FORD/ TROLLER
PSC453	KL422				VOLKSWAGEN
PSC454	KL747		WK940/35		GM/ NISSAN
PSC455	KC182		WK854/2		IVECO
PSC491	KC437	P10607	WK1124		VOLKSWAGEN
PSC493	KC214	PS10061	WK950/19		IVECO
PSC494	KC186		WK950/6		IVECO
PSC496	KC18	P4183	WK842		AGRALE/ ALFA ROMEO/ AUDI/ BMW/ CASE/ CITROEN/ FIAT/ FORD/
PSC498	KL41	P4836	WK842/3		AGRALE/ FORD/ GM/ HONDA/ LAND ROVER
PSC498/1	KL75	P5328	WK842/4		FORD/ GM/ SEAT/ VOLKSWAGEN
PSC498/2	KL761		WK853/15		FORD
PSC72/2	KC24	P4102	WK723		AGRALE/ ATLAS COPCO/ BOB CAT/ CASE/ CUMMINS/ DYNAPAC/
PSC73/1	KC113	P9368	WK731		AGRALE/ AM HOIST/ ATLAS COPCO/ CASE/ CATERPILLAR/ DEMAG
PSC744	KC114	P1104	WK950/13		ATLAS COPCO/ CATERPILLAR/ DYNAPAC/ GARDNER DENVER/
PSC745	KC134	P8264			GM
PSC75	KC440	P9454	WK950/21		FORD/ IVECO/ VOLKSWAGEN
PSC79	KC75	P5694	WK962/7		VOLVO
PSC80	KC251		WDK11102/9		VOLVO
PSC82	KC441	P9422	WK940/10		SCANIA/ SCANIA ÔNIBUS
PSC84	KC94	P5797	WK940/12		CASE/ SANTAL/ SCANIA/ SCANIA ÔNIBUS
PSC994	KC132		WK710/5		KIA MOTORS
PSC998	KC46	P4886	WK920/1		ASIA MOTORS/ HYUNDAI/ KIA MOTORS/ MITSUBISHI
PSC999	KC83	P4922	WK940/1		HYUNDAI/ MITSUBISHI/ TOYOTA
PSD450/1	KC121	PS9029	WK1060/3X		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
PSD450/1	KC121/1	PS9029	WK1030		AGRALE/ GM/ RENAULT/ VOLKSWAGEN
PSD460/1	KC122	PS8187	WK1040		FIAT/ GM/ MERCEDES BENZ/ MONTANA PARRUDA/ VOLKSWAGEN
PSD470/1	KC124/1	PS9025	WK1060/1		GM/ MONTANA PARRUDA/ VOLVO
PSD470/1	KC124	PS9025	WK1060/1		VOLVO
PSD480/1	KC125	PS9026	WK1060		IVECO/ MERCEDES BENZ
PSD480/1	KC125/1	PS10610	WK1050/1		IVECO/ MERCEDES BENZ
PSD480/1	KC126	PS9027	WK1060/4		MERCEDES BENZ
PSD490/1	KC128	PS9028	WK1156		MERCEDES BENZ/ SCANIA/ VOLVO
PSD490/1	KC123/1	PS9028	WK1060/2		SCANIA/ SCANIA ÔNIBUS/ VOLVO
PSD530/1	KC119	PS6643	WK940/24		AGRALE/ CASE/ GM/ MERCEDES BENZ
PSD964	KC131	PS10178			FORD/ VOLKSWAGEN
PSD965	KC130		WK854/1		VOLKSWAGEN
PSD970/1	KC120		WK950/14		AGRALE
PSH012	HC86				CBT
PSH025	HC104		WH980		CASE
PSH086	HC107				CASE
PSH111	HC81	PH10229			DYNAPAC/ KOMATSU
PSH112	HC82		W1265		MASSEY FERGUSON
PSH173	HC96	PH8789	W930/14		SCANIA/ SCANIA ÔNIBUS
PSH211	HC85	P3961	W1290/1		CASE
PSH235	HC109	P7566			CLARK
PSH236	HC110				CLARK
PSH242	HC105	P6893			CASE
PSH306	HC83	P5573	W950/12	LKW	
PSH421	OC204	PH2861B	W917		VOLVO

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
PSH486	HC76	P4637A	W950/8		AGRALE/ FORD/ FORD TRATORES/ SLC
PSH582	HC106				CASE
PSH607	HC102	P6893			VOLVO
PSH616	HC101				CLARK
PSH693	HC103				JOHN DEERE
PSH766	HC99	P5158	W1374/2		CASE
PSH766	HC4		W1374/2		CASE/ CUMMINS/ DEMAG BAGGER/ MONTANA PARRUDA/ SANTAL
PSH793	HC108				CLARK
PSH96	HC84	P4637A	W950/8		
PSH962	OC175		W962/14		ATLAS COPCO
PSL123	OC26	PH2842	W940/18		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
PSL128	OC275	PH5123	WP928/80		TOYOTA
PSL129	OC534	PH4967	W68/80		CHRYSLER/ DAIHATSU/ NISSAN/ RENAULT/ SUZUKI/ TOYOTA
PSL130	OC205		W815/80		ASIA MOTORS/ DAIHATSU/ GM/ HONDA/ HYUNDAI/ KIA MOTORS/
PSL131	OC115		W814/80		HONDA/ MAZDA
PSL135	OC100	PH4703	W712/8		ATLAS COPCO/ CITROEN/ LOMBARDINI/ PEUGEOT
PSL144	OC266	PH5803	W719/27		FORD
PSL145	OC235	PH5713	W712/43		BMW/ CHERY/ CITROEN/ FORD/ KIA MOTORS/ MAZDA/ TOYOTA
PSL156	OC248	PH4847A	WP1144		CITROEN/ FIAT/ IVECO/ PEUGEOT/ RENAULT/ SEAT
PSL158	OC1062	PH5529	WP1045		KIA MOTORS/ MITSUBISHI
PSL171	OC18	PH9A	W920/7		AGRALE/ AM HOIST/ ATLAS COPCO/ BOB CAT/ CASE/ CHRYSLER/
PSL270	OC531	PH3375	W12106		CUMMINS
PSL277	OC532	P3555A	W12100		CUMMINS
PSL280	OC320	PH3976	W950/16		CASE/ CLARK/ CUMMINS/ FORD/ KOMATSU/ MANNESMANN/ MAS-
PSL281	OC319	PH3757	W1262		CLARK/ CUMMINS/ ENGESA/ FIAT ALLIS/ HUBER WABCO/ MAN-
PSL282	OC333	PH3900	W940/34		CASE/ FORD
PSL283	OC502	PH9617	W950/26		FORD/ IVECO/ VOLKSWAGEN
PSL300	OC304	HPH6349A	WP12300		CASE/ CUMMINS/ FIAT ALLIS/ FORD/ RANDON/ VOLKSWAGEN
PSL301	OC303	PH7136	W1168/5		MERCEDES BENZ/ SCANIA
PSL321	OC318	PH2856	W920/41		ASIA MOTORS/ CHERY/ CHRYSLER/ GM/ HYUNDAI/ KIA MOTORS/
PSL322	OC239	P3828	W1114/80		KIA MOTORS
PSL323	OC299	PH4853	W921/80		KIA MOTORS
PSL325	OC2	PH4826	W950/35		ASIA MOTORS/ CITROEN/ PEUGEOT
PSL327	OC274	PH6355A	WP928/81		ALFA ROMEO/ HYUNDAI/ KIA MOTORS/ MAZDA/ MITSUBISHI
PSL339	OC35	PH2883	W1170		AGRALE/ BOB CAT/ FIAT/ FIAT ALLIS/ FORD/ FORD TRATORES/
PSL340	OC404		W1323		AGRALE/ GM/ MITSUBISHI/ NISSAN/ TROLLER/ VOLKSWAGEN
PSL400	OC507		W1173		ATLAS COPCO/ CASE/ CATERPILLAR/ GARDNER DENVER/ GM
PSL400	OC529	PH49	W1173		CASE/ CATERPILLAR
PSL405	OC122	PH3335	W13145/2		CATERPILLAR
PSL405	OC530	PH3335	W131452		CATERPILLAR
PSL408	OC38	PH2895	W723/3		AUDI/ CBT/ CIBER/ EATON YALE/ MASSEY FERGUSON/ MAXION/
PSL417	OC121	PH49A	W11102/4		CATERPILLAR/ DYNAPAC/ GM/ SCANIA/ VOLVO
PSL418	OC30	PH4934	W950/9		ATLAS COPCO/ FIAT ALLIS/ VOLVO
PSL419	OC282	P3555PL	WP11102		
PSL43	OC272				FIAT
PSL45	OC66	PH4558	W713/16		ALFA ROMEO/ FIAT
PSL47	OC23	PH2863	W920/31		ALFA ROMEO/ BMW/ CHRYSLER/ FIAT/ FORD/ LADA
PSL51	OC704	PH5511	W79		RENAULT
PSL541	OC1055		W719/50		FORD
PSL55	OC259	PH8999	W610		FIAT/ HONDA/ KIA MOTORS
PSL560	OC250	PH8839	W712/5		SEAT/ VOLKSWAGEN
PSL561	HC45	PH2870A	W719/4		FORD
PSL562	OC47	PH2870B	W719/5		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
PSL565	OC300	PH927A	W915/9		FORD/ GM/ VOLKSWAGEN
PSL567	OC334	PH6643			FORD/ FORD TRATORES

TECFIL	MAHLE E METAL LEVE	FRAM	MANN	LINHA	APLICAÇÃO
PSL568	OC40	PH2960	W11102/9		CASE/ FORD
PSL569	OC302	PH7014	W1167/2		FORD/ FORD TRATORES/ NEW HOLLAND
PSL617	OC332	PH5426	W923		GM
PSL619	OC90	PH4701	W712/22		DAEWOO/ FIAT/ GM
PSL62	OC317	PH2862C	W712/12		CHERY/ DAEWOO/ GM
PSL620	OC81	PH3980	W719/31		GM
PSL637	OC1021	PH6022			HARLEY DAVIDSON
PSL638	OC1019	PH6017A	MW64		HONDA/ KAWASAKI
PSL639	OC1018	PH6018			SUZUKI
PSL655	OC613		W940/69		CITROEN/ FIAT/ IVECO/ PEUGEOT
PSL675	OC308	PH977B	W950/7		ATLAS COPCO/ CASE/ CBT/ CIBER/ DYNAPAC/ FORD/ FORD TRA-
PSL714	OC67	PH8A	W940/81		BANTAN/ BOB CAT/ CASE/ CHRYSLER/ FORD/ FORD TRATORES/
PSL77	OC309	PH5796	W75/2		NISSAN/ PEUGEOT/ RENAULT
PSL78	OC195	PH6607	W67/80		ASIA MOTORS/ KIA MOTORS/ MAZDA/ NISSAN/ RENAULT/ SUZUKI
PSL78	OC475	TM5	W66		RENAULT
PSL836	OC335		W1135		VALMET
PSL900	OC324	PH2821C	W934		AGRALE/ ATLAS COPCO/ AUDI/ BANTAN/ BARBER GREENE/ CASE/
PSL902	OC261	PH5443	W923/1		FORD/ GM/ LAND ROVER/ MERCEDES BENZ
PSL958	OC301	PH2845	W930/6		AGRALE/ CLARK/ EATON YALE/ ENGESA/ GM/ HYSTER/ PUMA
PSL959	OC114	PH13	W936/8		CLARK/ EATON YALE/ GM/ HYSTER/ PUMA/ SANTA MATILDE
PSL962	OC60	PH2801B	W962		AGRALE/ ATLAS COPCO/ CASE/ CBT/ DEUTZ/ DYNAPAC/ ENGESA/
PTH800	HX50		H813/3		VALMET
TH225	HX56		56240053241		
TH302	HX55		56230054171		
TM1	OC506 PLUS	PH10907	W7 multi 3/4-		ALFA ROMEO/ BMW/ CHRYSLER/ CITROEN/ FIAT/ FORD/ KIA MOT-
TM2	OC522 PLUS	PH10908	W7 multi 3/4-		AUDI/ BMW/ FORD/ GURGEL/ SEAT/ VOLKSWAGEN
TM3	OC504 PLUS	PH10905	W7 multi 18		DAEWOO/ FIAT/ GM
TM4	OC505 PLUS	PH10906	W7 multi 20		ALFA ROMEO/ ATLAS COPCO/ CITROEN/ FIAT/ HYUNDAI/ LOM-
TM5	OC600	PH10904	W6 multi 20		FIAT/ HONDA/ KIA MOTORS/ MITSUBISHI/ NISSAN/ RENAULT

TABELA DE CONVERSÃO
CROSS REFERENCE
TABLA DE CONVERSIÓN

OUTRAS REFERÊNCIAS

AC	MAHLE	AGCO	MAHLE	ATLAS COPCO	MAHLE
PF1217	OC304	70068	LX200	10904686	KX44
		71016	OX200D	1160243	KC113
ADAMS		71028	OC324	12028495	OC26
FF105D	KC133	71029	OC308	12028496	OC60
FK0007	OX198D	71032	OC38	12028497	OC47
PB0447	OC67	71063	KC18	158139	OX218D
VF7401	OX218D	71133	OC261	16192796	LX275
		72040	KC119	16192797	LX236
		72104	KC129	16192798	LX227
AGCO		812073	OX217D	1619279800	LXS41/1
020352R1	LXS42/1	836064	OC67	16192799	LX271/2
034391T1	HC82	850000000140	HC84	16192847	LX265
042285R1	HC81	905411880009	OC26	16195327	LXS37/1
055113R1	LX960	CM3318853	OC304	16195441	LXS5/1
055114R1	LXS295	CM3930942	KC107	16195545	LXS42/1
055119R1	LX1314	CM3932217	OC320	16195680	LXS43/1
055130R1	LXS251			2709000550	KX23
1019235M1	HX54	AGRALE		29000206	LX273
1025569M91	LX17	2009101129008	LXS42/1	31761311	KX25
1041429	OC23	6006001208009	OC324	5H6886	OX217D
1041429M1	OC18	6006001345009	LX275	6882716	OC30
1621183	OC60	6006001346007	LXS5/1	71029	KC107
1755206M1	OX5D	6007001619005	KC121	9705435000	KX89/2D
1900347	OC114	6007001743003	LX1314	9709000520	KC24
1900368	OX85D	6007001744001	LXS251	9709003200	OX85D
20350	LX227	6007006311004	KC119	9710037600	OX3D
210970	KC24	6008006040007	KC120	9710177600	KC133
22186	LX265	7006011098001	KC113	9710177800	OX198D
22187	LXS37/1	7007007010006	OC18	9805115800	OC121
228468	HX51D	7500612	KL222/KL63	9807000300	OX200D
2710698M1	OX3D	8009101116005	LX265	9807001600	OX18D
2710796	LXS41/1	8009101117003	LXS37/1	9807019800	OC324
2710797	LX236	8009101128000	LX227	9807025000	OC308
2710801	LXS40/1	8009108164008	HC76		
2710804	LX275	905411880008	OC60	AUDI	
2710805	LXS5/1	905411880009	OC26	4A0091800	LAK58
2730287	OX47D	9451080019	KX43	4B0819439A	LAK46
2862361	KC113	9451080065	KC24		
2868515M1	LX243	9455080100	KX35	BALDAN	
2874165	LX241	94618608	KL222	11843925	OX197D
2889829	HX15			60201100539	HC84
2914107M1	KX44	ALBARUS		9451080015	KX44
30201	KX43	4450401000	HC84		
30241	OX18D	4450402006	HX51D	BALDWIN	
30307	KX25			BD103	OC304
3175385M1	HX53	ASIA MOTORS			
33002	KX35	AA11023603	LX1066	BARBER GREENE	
423651	KX23			1P2299	KC114
6213199M1	LXS312	ATLAS COPCO		30241	OX18D
6223618M1	LX3190	1028546800	LX243	3080947004	LX200
6223619M1	LXS292	1028702147	KC119	4502495	OX199D
635776	KX24	10300882	OC18	4773815	KX43
69303116	LX271/2				
70023	LX973				

BARBER GREENE	MAHLE	BOSCH	MAHLE	BOSCH	MAHLE
4774715	KX35	0986B01015	OC35	0986B02305	LX907
635776	KX23	0986B01016	OC404	0986B02306	LX908
71028	OC324	0986B01018	OC121	0986B02307	LX906
923069	KX25	0986B01020	OC282(By Pass)	0986B02308	LX909
		0986B01023	OC302	0986B02309	LX405
BARRA		0986B01025	OC324	0986B02310	LX684
BP1110	HX57D	0986B01026	OC261	0986B02311	LX418
BPA1111	HX51D	0986B01027	OC60	0986B02313	LX523
BPA1171	KX91	0986B01028	OC308	0986B02314	LX1315
		0986B01500	OX85D	0986B02315	LX414
BEDFORD		0986B01501	OX198D	0986B02316	LX448
649008	OC115	0986B01502	OX30D	0986B02317	LX964
		0986B01551	OX98D	0986B02318	LX614
		0986B01552	OX200D	0986B02319	LX435
BMW		0986B01554	OX75D	0986B02320	LX687
13321332756	KC113	0986B01555	OX150D	0986B02321	LX962
172213312062	OC60	0986B01556	OX95D	0986B02322	LX1312
32411120717	HX15	0986B01560	OX199D	0986B03000	LX714
64318409044	LAK62	0986B01561	OX69D	0986B03001	LX1314
		0986B01562	OX71D	0986B03003	LX1056
BOBCAT-MELROE		0986B01565	OX197D	0986B03500	LX1097
6666333	LX2959	0986B01567	OX18D	0986B03501	LX1068
		0986B01650	HX53	0986B03502	LX1064
		0986B01652	HX15	0986B03504	LX912
BOSCH		0986B01653	HX51D	0986B03505	LX1067
0450905002	KL60	0986B01654	HX57D	0986B03507	LX1094
0986450229	KL60	0986B01655	HX58	0986B03508	LX970
0986B00003	OC266	0986B01657	HX54	0986B03509	LX450
0986B00005	OC274	0986B01750	HX50	0986B03510	LX243
0986B00006	OC318	0986B01800	HX56	0986B03511	LX236
0986B00007	OC239	0986B01901	HC81	0986B03513	LX227
0986B00008	OC299	0986B01902	HC82	0986B03514	LX241
0986B00010	OC2	0986B01903	HC85	0986B03515-	LX271/2
0986B00011	OC274	0986B01904	HC83	0986B03518	LX969
0986B00012	OC272	0986B01907	HC76	0986B03519	LX972
0986B00013	OC66	0986B01910	HC84	0986B03520	LX971
0986B00014	OC23	0986B02002	LX157/1	0986B03521	LX93
0986B00015	OC259	0986B02003	LX272	0986B03524	LX17
0986B00016	OC250	0986B02004	LX963	0986B03525	LX973
0986B00017	HC45	0986B02005	LX55	0986B03526	LX275
0986B00018	OC47	0986B02006	LX961	0986B03529	LX975
0986B00020	OC332	0986B02007	LX905/1	0986B03530	LX974
0986B00021	OC90	0986B02008	LX64	0986B03531	LX910
0986B00022	OC317	0986B02009	LX202	0986B03534	LX200
0986B00025	OC301	0986B02010	LX903/1	0986B03535	LX265
0986B00026	OC114	0986B02011	LX904/1	0986B03536	LX273
0986B01000	OC26	0986B02012	LX900/1	0986B03900	LXS225
0986B01001	OC248	0986B02013	LX901	0986B03901	LXS40/1
0986B01003	OC18	0986B02017	LX958	0986B03902	LXS5/1
0986B01008	OC320	0986B02018	LX208/1	0986B03903	LXS41/1
0986B01009	OC319	0986B02301	LX1066	0986B03904	LXS37/1
0986B01010	OC333	0986B02302	LX589	0986B03905	LXS42/1
0986B01011	OC304	0986B02303	LX453	0986B03906	LXS227
0986B01012	OC303	0986B02304	LX618	0986B03907	LXS43/1

BOSCH	MAHLE	BOSCH	MAHLE	BOSCH	MAHLE
0986B03908	LXS44/1	1987431009	LA33	9455081036	OX214D
1457429025	LX157/1	1987431010	LA11	9455081038	OX5D
1457429035	LX241	1987431012	LA31	9455081040	OX200D
1457429054	LX208/1	1987431013	LA44	9455081041	OX215D
1457429110	OX47D	1987431014	LA34	9455081042	OX43D
1457429115	OX18D	1987431015	LA21	9455081043	OX218D
1457429162	OX30D	1987431017	LA13	9455081046	OX198D
1457429175	OX85D	1987431018	LA25	9455081048	OX3D
1457429595	OX69D	1987431020	LA47/S	9455081049	OX217D
1457429624	OX95D	1987431021	LA8	9455081055	OX197D
1457429645	OX71D	1987431022	LA9	9455081500	OC317
1457429647	OX150D	1987431024	LA46	9455081507	OC301
1457429820	HX15	1987431027	LA23	9455081516	OC114
1457429874	LX450	1987431030	LA49	9455085002	HX53
1457429895	LX414	1987431034	LA40	9455085003	HX58
1457429927	LX64	1987431042	LA123	9455085004	HX54
1457429932	LX200	1987431301	LAK37	9455085006	HC84
1457429941	LX275	450904004	KL222	9455085007	HC83
1457429946	LX236	450904077	KL33	9455085009	HC76
1457429950	LX265	450905030	KL2	9455085012	HX55
1457429966	LX227	450905139	KL2	9455085015	HX50
1457429969	LX273	450905203	KL19	9455085017	HX52
1457429975	LX271/2	450905273	KL83	9455085018	HX51D
1457429992	LX58	450905913	KL225	9455085019	HX57D
1457432280	LX1092	450905916	KL185	9455085020	OX216
1457432281	LX513	451103004	OC18	9455085021	HC81
1457432284	LX1069	451103009	OC47	9455085022	HC85
1457432285	LX567	451103011	OC23	9455085026	WFC4
1457432286	LX960	451103024	HC45	9455087007	LX970
1457432288	LX1070	451103097	OC90	9455087008	LX973
1457432289	LX1093	451103101	OC38	9455087009	LXS40/1
1457432290	LXS230	451103321	OC235	9455087010	LXS5/1
1457433007	LX390	451103323	OC300	9455087011	LXS41/1
1457433511	LX902/1	451103324	OC81	9455087012	LXS37/1
1457433513	LX735	451103325	OC67	9455087013	LXS43/1
1457434050	KC113	451103332	OC309	9455087021	LX1102
1457434105	KC18	451104004	OC26	9455087025	LX1057
1457434106	KC18	451105001	OC60	9455087027	LX1101
1457434153	KC22	451203010	OC308	9455087030	LX972
1457434154	KC113	451301088	OC35	9455087031	LX971
1987429601	LX208/1	451403077	OC121	9455087032	LX93
1987429602	LX1095	911705	KX49	9455087033	LX1055/1
1987429603	LX290	9450080145	KL83	9455087034	LX17
1987429604	LX330	9455081003	OX75D	9455087037	LX1100
1987429605	LX1096	9455081004	OX199D	9455087038	LX975
1987429606	LX1316	9455081009	OC30	9455087039	LX974
1987429607	LXS229	9455081015	OC324	9455087040	LX910
1987429608	LXS226	9455081022	OC320	9455087041	LX116
1987430042	LX243	9455081023	OC319	9455087042	LX1062
1987431001	LA37	9455081024	OC304	9455087043	LXS225
1987431003	LA56	9455081028	OC334	9455087048	LXS42/1
1987431006	LA77	9455081029	OC40	9455087049	LXS227
1987431007	LA32	9455081030	OC302	9455087051	LXS44/1
1987431008	LA26	9455081035	OC335	9455087052	LXS231

BOSCH	MAHLE	BOSCH	MAHLE	BUCYRUS	MAHLE
9455087500	LX55	986450727	KC125	100852	HX51D
9455087501	LX900/1	986450728	KC166	79950068	KX44
9455087502	LX903/1	986450734	KC124		
9455087503	LX272	986450962	KX25	CAMECO	
9455087506	LX958	986450963	KX35	61324848	HX107
9455087507	LX905/1	986452036	OC115		
9455087517	LX963	986452233	KL222	CASE	
9455087518	LX961	986452350	OC534	00402146	HC4
9455087520	LX202	986452354	OC205	0L402146	HC4
9455087521	LX904/1	986B02301	LX1066	136750	OX198D
9455087522	LX901	986B02309	LX405	145217A1	OX95D
9455087523	LX589	986B03000	LX714	145412A1	LX275
9455087524	LX453	986B03500	LX1097	145413A1	LXS5/1
9455087525	LX907	986B03501	LX1068	146343A1	KC18
9455087526	LX906	986B03502	LX1064	150521	OC60
9455087527	LX909	986B03507	LX1094	150526	KC24
9455087528	LX523	986B03512	LX1057	158437	KC119
9455087529	LX414	986B03516	LX1101	180936	LXS299
986	HX55	986B03517	LX1063	194199A1	KL870
986450144	KL237	986B03522	LX1055/1	219517	LX271/2
986450228	KL223	986B03527	LX1100	248124A1	LA610
986450231	KL224	986B03528	LX1102	259288A1	LX3259
986450232	KL239/1	986B03532	LX116	294293A1	LXS298
986450519	KC24	986B03533	LX1062	299080	WFC1
986450581	WFC3	986B03537	LX1056	35034	OX5D
986450582	WFC2			84993233	KC119
986450583	WFC1	BRASIF		87344135	LX3190
986450646	KL222/KL63	B005	OX197D	87344136	LXS292
986450694	KX24	B216A1	LXS37/1	87440031	LX3261
986450695	KX23	B217A1	OX95D	87684088	LX3259
986450696	KX36	B399	KL222/KL63	8888667	OC26
986450697	KX91	B400	OC38	905411420003	KX43
986450698	KX90	B413A1	LXS5/1	9451080015	KX44
986450699	KX92D	B438	KX24	9455080100	KX35
986450700	KX88/1D	B502	OC324	A0033487	OC67
986450701	KX89/2D	B543	HC85	A037187	KX23
986450702	KX49	B574	LX275	A043702	HX51D
986450703	KX44	B579	LXS40/1	A077470	KC113
986450704	KX43	B638	LX200	B041402	OX85D
986450706	KC130	B669	OX217D	B0414402	OX197D
986450707	KC119	B774	LX17	D062845	OC18
986450708	KC128	B889	OX18D	E061348	LX243
986450709	KC122	B911	KX23	E062774	LX17
986450710	KC121			E063344	OX47D
986450712	KC129	BRASINCA		E065502	OC324
986450713	KC107	423651	KX23	E066016	OX200D
986450714	KC133	5578029	OC114	E066059	OX18D
986450715	KC94	64621224	LX236	E097543	HC85
986450717	KC4	71028	OC324	E097999	OX199D
986450718	KC114	7500612	KL222/KL63	E155525	LXS37/1
986450719	KC46	94603895	LXS41/1	E155526	LX265
986450722	KC132			E156170	KC107
986450725	KC75	BUCYRUS		E156172	OC319
986450726	KC120				

CASE	MAHLE	CATERPILLAR	MAHLE	CHICAGO	MAHLE
E156173	WFC2	6A5162	LX200	40993	KX23
E158438	KX24	7W2327	OC67	5573014	OX5D
E159968	OC23	8N5495	LX1100	71028	OC324
J908616	OC333	9N3717	WFC1		
J931062	KC166				
L052764	HX52				
CATERPILLAR		CAV		CHRYSLER	
000705186	HX52	296	KX23	04693353AA	OX175D
1A3479	KC114	494SCANIA	KC113	05058040AA	LA180
1M9156	OX216	494VOLVO	KC24	3549957	OC23
1P7360	LX1100	496A	KC18	4105409	OC534
1P7360	LXS232	7019/113	KX43	68001297AA	OX188D
1P7716	LX1100	7031/105	KX44		
1P7958	LX1101	7111/113	KX35	CIFALI	
1R0058	OC121	7176054	OC324	26560017	KX23
1R0711	KC134	796	KX24	70997040	OX18D
1R0716	OC122			71016	OX200D
1R0720	OX217D	CBT	HX51D	71029	OC308
1R0728	OX219	1101207018	LXS42/1	71032	OC38
1R0741	HX52	1440182260	LX236		
251285	LX1062	1600302006	LXS41/1	CITROËN	
2P5080	LX116	1600302025	OX85D	1109 R7	OX193D
2S1286	LX1063	1845825	LX275	1444.EF	LX1287
2Y8078	OX213	2500302006	LXS5/1	1444.EY	LX478/1
2Y8098	OX3D	2500302025	HC84	1444.VH	LX1287
2Y8099	OX217D	2501207018	KX23	1444-V3	LX795
45816	OX219	2656017	OX18D	6447JO	LA123
4H8792	KX91	315299	OX199D	6447NT	LA138
4J0816	OX219	3431847325	LXS37/1	6447TY	LA123
4J6064	HX52	3450947004	LX227	75492226	LX290
4M8047	LX116	3450947304	LX265		
5S0484	OX3D	5100302006	OX5D	CLARK	
5S0485	OX217D	5573102	KX24	247052	HC110
629500190	HX51D	635776	OX200D	2791707	LX2959
629501032	OC60	71016	OC324	3306923	LX902/1
629501248	KX43	71028	OC308	3316537	OC18
629501396	LX265	71029	OC38	3338477	LX265
629501461	OC26	71032	KL222/KL63	807638	LX200
629501651	LX243	7500612	OC26	887764	HX51D
629502006	OC122	905411880009	KX43	949418	WFC1
629502444	LXS40/1	9451080019	KX35		
629503129	OC300	9455080100		CNH	
629503145	OC18			82008606	LX2713
629507583	LX227	CHERY	OC235		
629509118	LXS5/1	473H-1012010N	OC318	COMPAIR	
629509134	LXS44/1	481H-1012010N	LX3116	10945204	LX265
629509738	WFC3	S12-1109111N	KL582(Plus)	26560017	KX23
629509993	LXS37/1	T11-1117110N	LA632	3450947304	LX227
629510025	LX902/1	T11-8107910N		71016	OX200D
694229	OC67			71028	OC324
694229E	OC67	CHICAGO	KC119	C11158/1014	LX236
6A5110	LX236	1028702145	OC60	C11158/1054	LX273
		1031400226		C11158/1390	LX271/2
				C160112/51	OC47



COMPAIR	MAHLE	DELPHI	MAHLE	DELPHI	MAHLE
C160112/51	OC47	EFA023	LX973	EFA904	LX567
		EFA210	LX157/1	EFA905	LX1056
CORTECO		EFA302	LX906	EFA906	LX513
51098F	LA612	EFA305	LX963	EFA909	LX330
51120F	LAK81	EFA327	LX453	EFA910	LX1068
		EFA333	LX589	EFA911	LX1094
		EFA360	LX907	EFA912	LX912
CUMMINS		EFA400	LX236	EFA913	LX1067
101679	OX198D	EFA405	LX265	EFA914	LX1097
139097	KX92D	EFA407	LX200	EFA915	LX1064
154709	KC133	EFA409	LX227	EFA917	LX1066
158139	OX218D	EFA411	LX275	EFA918	LX614
173368	OX218D	EFA413	LX241	EFA919	LX448
209604	WFC1	EFA413-1	LX271/2	EFA920	LX735
256834	KX92D	EFA413-2	LXS43/1	EFA921	LX405
299083	WFC3	EFA414	LX450	EFA922	LX684
299086	WFC4	EFA415	LX910	EFA923	LX418
2992242	OC502	EFA417	LX273	EFA924	LX618
2R0115403	OC502	EFA418	LXS40/1	EFA988	LX908
3014654	OC319	EFA419	LXS5/1	EFA989	LX435
3286503	KC166	EFA420	LXS41/1	EFA990	LX687
3305368	WFC4	EFA421	LXS37/1	EFA991	LX962
3318157	WFC2	EFA421A	LX964	EFA993	LX1055/1
3318201	WFC4	EFA506	LX64	EFA994	LX93
3318853	OC304	EFA513	LX909	EFA995	LX969
3355903	KC118	EFA519	LX523	EFA996	LXS225
3826094	KL796	EFA589	LX902/1	EFC100	WFC1
3903264	OC320	EFA601	LX975	EFC101	WFC2
3903410	KC107	EFA602	LX974	EFC102	WFC3
3903640	KC24	EFA604	LX905/1	EFH100	HX58
3931063	KC24	EFA605	LX202	EFH101	HC82
3932217	OC320	EFA619	LX272	EFH102	HC85
3967874	UX1D	EFA620	LX208/1	EFH103	HC83
3978040	KC440	EFA622	LX55	EFH104	HX50
4897833	KC440	EFA623	LX903/1	EFL016	OX200D
4897897	KC440	EFA624	LX904/1	EFL025	OX199D
4897898	OC502	EFA625	LX900/1	EFL028	OC324
503120785	OC502	EFA626	LX414	EFL032	OC38
BF9115	KL41	EFA627	LX901	EFL043	HX15
		EFA709	LX961	EFL044	OC66
DAEWOO		EFA833	LX958	EFL162	OC317
94797406	OC90	EFA891	LX972	EFL189	OC266
		EFA892	LX971	EFL225	OX95D
DAF		EFA893	LX970	EFL225-1	OC303
1815766	UX1D	EFA894	LX1102	EFL243	HC76
649425	UX1D	EFA895	LXS42/1	EFL299	OX18D
699387	AL12-DESUM.	EFA896	LXS227	EFL343	OC121
		EFA897	LXS226	EFL425	OX150D
		EFA898	LXS229	EFL509	OC23
DAIHATSU		EFA899	LXS44/1	EFL511	OC18
1560187104	OC534	EFA900	LXS231	EFL514	OC67
1560187310	OC115	EFA901	LX243	EFL515	OC308
		EFA902	LX1057	EFL521	OC60
DELPHI		EFA903	LX1096	EFL523	OC35

DELPHI	MAHLE	DELPHI	MAHLE	DONALDSON	MAHLE
EFL524	OX75D	HDF401	KX35	P140136	LX227
EFL526	OX69D	HDF402	KC4	P140186	LX275
EFL561	HC45	HDF403	KC133	P140187	LX236
EFL562	OC47	HDF404	KC22	P142141	LX236
EFL563	OC250	HDF406	KC114	P150907	LX116
EFL619	OC90	HDF408	KC94	P150908	LX902/1
EFL715	OC300	HDF410	KC46	P150922	LX1100
EFL716	OX98D	HDF411	KC83	P150934	LX1063
EFL717	OX215D	HDF412	KC132	P151874	LX970
EFL718	OX71D	HDF494	KC24	P153025	LX241
EFL719	OX218D	HDF496	KC18	P153026	LX265
EFL721	OC320	HDF500	KX49	P153028	LX243
EFL722	OC319	HDF500A	KC107	P153029	LX227
EFL723	OC333	HDF501	KX44	P153032	LX1101
EFL724	OC304	HDF501A	KX43	P154145	LXS5/1
EFL725	OC335	HDF762	KC113	P154146	LXS40/1
EFL726	OC81	HDF820	KL41	P154147	LXS41/1
EFL727	OC272	HDF821	KC129	P154148	LXS37/1
EFL728	OC115	HDF822	KC75	P154150	LXS44/1
EFL729	OC2	HDH001	HX53	P154205	HX52
EFL730	OC299			P172467	HX107
EFL861	OC26	DEUTZ		P172500	OX217D
EFL925	OX197D	1160024	OC26	P172501	OX3D
EFL934	OC332	1160025	OC60	P172502	OX218D
EFL958	OC301	1160243	KC24	P172503	OC26
EFL959	OC114	1168407	KX44	P172504	OC18
EFL963	OC40	12141335	LX273	P172505	OC324
EFL964	OC302	1902129	LX273	P172506	OC308
EFL974	OC261	19922	LX265	P172507	OC60
EFL983	OC235	3018134	KX23	P172508	OC319
EFL984	OC318	42488361	LX273	P172512	OC304
EFL985	OC239			P172513	OX197D
EFL986	OC274	DONALDSON		P172517	HC84
EFL993	OC282	CA598	LX1100	P172518	OC30
EFS100	KX88/1D	FFP550012	KL222	P172521	OC301
EFS101	KC121	FFP550934	KC113	P172522	OC114
EFS102	KC122	FFP553004	KC24	P172523	OC67
EFS103	KC124	FFP556245	KX23	P172526	OC23
EFS104	KC128	HFP552297	OC26	P172528	OX199D
EFS105	KC119	HFP556064	HX52	P172531	OC122
EFS106	KX89/2D	LF750A	OX198D	P172532	OX5D
EFS107	KC130	P019159	LX1101	P172536	OC300
FF1006	KL224	P104384	LX1062	P172537	OX214D
FF1039	KL185	P104385	LX1063	P172538	OX200D
FF1050	KL2	P119168	LXS232	P172539	HC45
FF20037	KL239/1	P119372	LXS299	P172540	OC47
FF20038	KL237	P123160	LXS40/1	P172541	OC38
FF20039	KL223	P140101	LX273	P172543	OX18D
FF20040	KL60	P140122	LX241	P172545	OX95D
FF20041	KL83	P140123	LX265	P172546	OX215D
FF20042	KL225	P140131	LX200	P172547	OX150D
FF20043	KL222/KL63	P140132	LX243	P172549	OX198D
FF20044	KL222	P140134	LX973	P172550	OX71D
HDF400	KX25			P172551	OX69D

DONALDSON	MAHLE	DONALDSON	MAHLE	DYNAPAC	MAHLE
P172552	OX43D	P532028	LX963	3450947304	LX227
P172555	OC35	P532031	LX157/1	4773115	KX44
P172556	OC90	P532032	LX904/1	4774715	KX35
P172559	OC121	P532033	LX202	480916	KC24
P172560	OC121	P532034	LX969	499271	OX85D
P172561	OC302	P532035	LX208/1	499361	OX197D
P172562	OC320	P532036	LX903/1	499374	LX200
P172563	OX75D	P532037	LX958	499375	LXS37/1
P172580	OX213	P532040	LX971	499387	LX265
P172650	KX43	P532043	LX906	499474	HX53
P172651	KX23	P532046	LX1098	499510	LXS41/1
P172652	KX24	P532047	LX1102	499511	LX236
P172653	KC113	P550035	OC114	499573	OC308
P172654	KC107	P550043	KX92D	499574	KX23
P172655	KC24	P550117	OX30D	7007007010000	OC18
P172656	KC133	P550170	OX85D	71028	OC324
P172665	KC114	P550750	OX198D	747284	OC26
P172669	KX25	P552020	KX88/1D	747305	KX43
P172672	KL222/KL63	P552040	KX89/2D	747384	KC113
P172674	KX35	P554004	OC121	752047	KC114
P172677	KC130	P556064	HX52	928656	HC81
P172680	KX44	P556245	KX23		
P172681	KX49	P558792	KX91		
P172728	KC18	P770035	LX93	EATON YALE	
P172881	HX58	P771508	LX227	11843925	OX197D
P172882	HC76	P779010	OX85D	136750	OX198D
P172885	HX52	P779012	OX85D	158139	OX218D
P172887	HX51D	P779038	OX85D	1845825	OX85D
P172890	HX15	P779132	KC4	1846725	OX30D
P172894	HX53	P779143	OC121	2077094	HX52
P172899	HC83	P779225	OC35	209604	OC67
P172900	HC85	P779328	KX23	2654408	OC38
P172907	OX219	P779329	KX23	26560017	KX23
P172909	OX216	P779330	KX24	440054593	LX200
P172930	WFC2	P779902	OX198D	4773115	KX44
P172931	WFC3	P779962	OX47D	4773815	KX43
P172935	WFC1	P779963	OX95D	4774715	KX35
P181088	LX236	SMP181088	LX236	69489	LX241
P526086	LX972	SMP771507	LX241	70997040	OX18D
P527133	LX1055/1	SMP771508	LX241	710040601	LX902/1
P532001	LX974			71011902007	OC114
P532002	LXS231	DYNAPAC		7103092002	KL222
P532003	LXS43/1	1160025	OC60	71050516	OX200D
P532004	LXS41/1	136750	OX198D		
P532008	LXS42/1	14401B2260	LXS42/1	EMBEP	
P532009	LX975	154709	KC133	250000214	HC81
P532010	LX902/1	158139	OX218D		
P532013	LX901	1846725	OX30D	ENGEAGRO	
P532014	LX900/1	219517	LX271/2	479981	LX236
P532017	LXS225	268937	OX199D	479982	LXS41/1
P532018	LXS44/1	29604D	KX89/2D	5578029	OC114
P532020	LX905/1	299080	WFC1	71028	OC324
P532024	LX272	300499270	LX243	7111/296	KX23
P532025	LX55			7323958	OC301

ENGEAGRO	MAHLE	F CROSS	MAHLE	F CROSS	MAHLE
7500612	KL222/KL63	F125	KC46	FC1510	KX44
763214102	HX15	F129	KC83	FC1520	KX25
79TU9601A	LX975	F132	KC22	FC1620	KX89/2D
79TU9601B	LX275	F153	KC132	FC1630	KX88/1D
79TU9R500A	LXS231	F158	KC18	FC2296	KX23
905411880009	OC26	F158/1	KC129	FE1001	LX1097
905412970012	LX200	F158/4	KC94	FE1002	LX1068
9451080019	KX43	F34	KC133	FE1004	LX1066
9455080100	KX35	F35	KC75	FE1005/1	LX1094
947110	HX57D	F36	KC114	FE1008	LX912
BD4D6714A	OC67	F66	KC113	FE1018	LX567
BE1C9E673A	LXS5/1	F66/1	KC24	FE1019	LX1064
		F67	KC107	FE1021	LX330
		FB10	OC301	FE1024/2	LX435
ENGESA		FB104	OC115	FE1025	LX1067
136750	OX198D	FB11	OC317	FE1026/1	LX290
154709	KC133	FB115	OC534	FE1034/2	LX1095
158139	OX218D	FB117	OC66	FE1035	LX418
1843925	OX197D	FB12	OC23	FE1035/1	LX448
210970	KC24	FB124	OC274	FE1035/2	LX405
2241000080	LX265	FB13	OC114	FE2500	LXS40/1
2241000217	KX43	FB133	OC239	FE300	LX903/1
2241000225	LX243	FB136	OC309	FE310	LX904/1
2680301451	LXS43/1	FB14	OC26	FE320	LX963
2680500200	OX30D	FB14/1	OC333	FE330	LX902/1
2680500218	HX15	FB14/2	OC320	FE340	LX208/1
2680500684	OX5D	FB149/1	OC81	FE350	LX157/1
2680501907	OC23	FB15	HC45	FE410	LX905/1
2680501915	LX227	FB15/1	OC47	FE430	LX200
2680501923	LXS42/1	FB15/2	OC250	FE440	LX265
2680502318	OC60	FB15/3	OC266	FE480	LX236
2680503128	LX271/2	FB15/4	OC235	FE490	LX55
2680504132	LX236	FB16	OC18	FE520	LX973
2680600298	OC26	FB17	OC324	FE550	LX116
2680600565	OC18	FB18	OC308	FE552	LX1101
299080	WFC1	FB20	OC335	FE553	LX1100
3450947004	LXS37/1	FB33	OC38	FE555	LX1062
5106022072	LX275	FB34	OC30	FE556	LX1057
9455080100	KX35	FB39	OC60	FE570	LX275
		FB41	OC332	FE580	LX243
ERCIF		FB42	OC90	FE640	LX227
AR1036	LX271/2	FB60	OC121	FE690	LX900/1
AR2927	LXS41/1	FB61	OC303	FE800	LX901
R310	OC60	FB61/1	OC302	FE810	LX241
R320	KC114	FB62	OC35	FE820	LX273
R328	OC308	FB79	OC299	FE821	LX1070
R329	KC4	FB8	OC67	FE822	LX1093
R333	KX23	FB83	OC261	FE823	LX1092
R340	OC121	FB87	OC318	FE823/1	LXS230
R343	KC113	FB9	OC300	FE830	LX271/2
R352	OC18	FB98	OC2	FE831	LX970
R53	OX3D	FBH486	HC76	FE832	LX450
		FC1500	KX43	FE841	LX93
F CROSS		FC1505	KX49	FE842	LX1055/1

F CROSS	MAHLE	F CROSS	MAHLE	FEPA	MAHLE
FE843	LX1098	FS2510	LXS5/1	PA1598	LX905/1
FE844	LX1056	FS2520	LXS41/1	PA1608	LXS42/1
FE845	LX969	FS2530	LXS37/1	PA1614	LX969
FE850	LXS231	FS2540	LXS42/1	PA1615	LXS225
FE860	LX975	FS2550	LXS43/1	PA2000	KX43
FE865	LX974	FS2560	LXS44/1	PA782	LX1100
FE880	LX272	FS2600	LXS227	PA789	LX1101
FE915/1	LX735	FSD965	KC130	PA791	LX972
FE917	LX414	G6/8	KL222	PA793	LX275
FE917/1	LX614	GA6/8	KL222/KL63	PA799	LX200
FE921	LX907	GF10	KL224	PA801	LX227
FE921/1	LX589	GF11	KL223	PA803	LX236
FE921/2	LX453	GF12	KL237	PA805	LX265
FE921/3	LX618	GF20	KL60	PA806	LX973
FE922	LX909	GF21	KL83	PA807	LX241
FE923	LX523	GF22	KL225	PA808	LX273
FE923/2	LX1315			PA809	LX970
FE924	LX962	FAMEL		PA815	LX93
FE925	LX687	F137	OC60	PA822	LX243
FE925/1	LX1312	F30	OC308		
FE926	LX908	F52	OC18	FIAT	
FE927	LX513	F80	OC122	05058693AA	LA569
FE928	LX1316	FC740	KX23	1312764080	LA123
FE928/1	LX964	FCS31	KC4	1606100	KX23
FE930	LX958	FCS50	KC113	1909113	KX43
FE950	LX17	FR1006	LXS44/1	1909137	OC35
FE990	LX64	FR862	LX236	2165054	LX227
FE991	LX906	FR865	LX271/2	2966261	HX15
FE992	LX972	FR986	LXS41/1	4180816	LX157/1
FE992/1	LXS226	P104385	LX1063	42480759	LXS42/1
FE993	LX910	P109159	LX1101	43526370	KL222
FE994	LX1096			43569900	LX55
FE997	LX971	FEPA		44347921	HC45
FE998	LX202	PA025	HX53	446275	OC23
FE999	LX961	PA1468	LX116	46403933	KL83
FH1020	HX15	PA1479	OX18D	46420988	LX908
FH1050	HX58	PA1482	LX272	46442422	LA56
FH1060	HX52	PA1488	LX1057	4659343	OX198D
FL2030	OX18D	PA1489	LX902/1	4671001	KC4
FL2040	OX215D	PA1490	LX208/1	46723245	LA144
FL2050	OX200D	PA1520	LXS41/1	46723331	LA144
FL2060	OX217D	PA1539	LX202	46723435	LA142
FL2070	OX47D	PA1540	LX958	46751179	OC259
FL2110	OX214D	PA1541	LX900/1	46751179	OC600
FL2140/1	OX197D	PA1542	LX903/1	4681588	LX618
FL2141/1	OX199D	PA1543	LX904/1	46817415	LX1770
FL2160	OX75D	PA1544	OX197D	4776902	LX265
FL2200	OX43D	PA1552	LXS40/1	51720700	KL582(Plus)
FL2220	OX5D	PA1553	LXS5/1	51806073	KL582(Plus)
FL2300	OX95D	PA1570	LX157/1	51836363	LA633
FL2310	OX150D	PA1571	LX55	51836363	LAK633
FL2320	OX98D	PA1572	LX64	51854598	LX3115
FL2330	OX69D	PA1583	LXS37/1	55191606	LX908
FL2340	OX71D				

FIAT	MAHLE	FIAT ALLIS	MAHLE	FILES P	MAHLE
55199862	LX2644	6664213	HX52	FH1040	HX54
55208286	LX2643	70697633	KC133	FL2010	OX85D
55231651	OX175D	710040601	LX902/1	FL2020	OX218D
592602	OC67	7150515	KX23	FL2030	OX18D
5983899	LX478/1	7150516	OX200D	FL2040	OX215D
5984044	OC66	7150777016	HX51D	FL2050	OX200D
61142392	KC113	7150850015	LX972	FL2060	OX217D
671160	OC60	75203441	LX243	FL2070	OX47D
70112217	OX85D	75204063	LX275	FL2110	OX214D
7078711	LA499	75204064	LXS5/1	FL2140	OX197D
7079682	LA601	75208274	KC107	FL2160	OX75D
7082141	LX908	75208314	OC319	FS2500	LXS40/1
7082301	LA422	75209264	OX30D	FS2510	LXS5/1
7082928	LA422	75209266	OX85D	FS2520	LXS41/1
7082928	LAK422	75215485	OX199D	FS2530	LXS37/1
7086604	LA612	75237242	KL222	FS2540	LXS42/1
7086604	LAK612	75285484	OC26	FS2550	LXS43/1
7110301	KC24	8320220	OC60	PL2000	OX30D
7121530	LX273	8320221	KX44		
7122738	KX44	8321421	LX265	FILTREX	
7126157	LX271/2	91540	OX198D	A211	OX95D
7146716	KC122	9455080100	KX35	A220/A	OX69D
7146717	KC122			A220/B	OX71D
7147701	KC125	FILES P		AR331/B	LXS37/1
71739634	OC248	F101/1	KL222	AR354/B	LXS41/1
73042912	HX52	FC1500	KX43	AR360/B	LXS40/1
73500049	OX827D	FC1510	KX44	AR447	LX906
75026230	KL222/KL63	FC1520	KX25	AR454	LX907
75136240	LXS40/1	FC1550	KX23	AR472	LX910
7528122	LX961	FC1580	KX35	FA08	OC60
7571569	OC248	FE300	LX903/1	FA23	OC308
759951	OX217D	FE310	LX904/1	FA30	OC121
7712505	LX589	FE320	LX963	FA33	OC40
77229360	LX907	FE330	LX902/1	FA55	HC45
77362340	KX208D	FE340	LX208/1	FC6	KC4
7738709	LX961	FE350	LX157/1	FC8	KX23
9293140	LX200	FE370	LX1065		
9936981	KC18	FE390	LX900/1	FILTROS MIL	
		FE410	LX905/1	FC0301	LA31
FIAT ALLIS		FE430	LX200	FC0303	LAK58
11843925	OX197D	FE440	LX265	FC0304	LA45
173171	OC18	FE480	LX236	FC0902	LA56
230578	OC67	FE520	LX973	FC0909	LA612
3318853	OC304	FE550	LX116	FC1506	LA607
4029089	WFC1	FE552	LX1101	FC1508	LA155
4290940	LX2959	FE553	LX1100	FC1701	LA81
456005	KC24	FE570	LX275	FC1701	LAK81
456014	KX43	FE580	LX243	FC1902	LA9
4667755	OC35	FE640	LX227	FC2104	LA87
4671001	KC4	FE810	LX241	FC2301	LA301
59792	OX5D	FE820	LX273	FC3204	LA531
631936	OX214D	FE830	LX271/2	FC5002	LA650
658126	OX218D	FH1020	HX15	FC6321	LA696



FILTROS MIL	MAHLE	FLEETGUARD	MAHLE	FLEETGUARD	MAHLE
FC6322	LA692	AF4135	LX275	HF6168	HC76
FC6323	LA693	AF4149	LX970	HF6177	HC4
		AF4521	LXS40/1	HF6188	HC76
FLEETGUARD		AF4522	LXS5/1	HF6195	HX54
3286603	KC166	AF4523	LXS44/1	HF6201	OX219
AF1601M	LX243	AF4534	LX972	HF6711	HC85
AF1802	LX273	AF4560	LX1098	HF7545	HX50
AF1840	LXS37/1	AF4631	LX450	HF7546	HX54
AF1841	LXS42/1	AF471	LXS299	HF7964	HX107
AF1842	LXS41/1	AF4720	LX93	LF16015	OC502
AF1843	LXS43/1	AF4772	LX971	LF3000	OC304
AF1844	LXS231	AF4957	LX59	LF3311	OC18
AF1865	LX275	AF55732	LX3259	LF3313	OC67
AF243	LXS43/1	AF829	LX17	LF3320	OX71D
AF25007	LX1055/1	AF844	LXS231	LF3321	OC121
AF25021	LX905/1	AF846	LX975	LF3322	OX197D
AF25064	LX265	AF874	LX1100	LF3327	OX69D
AF25065	LX227	AF875M	LX1100	LF3339	OC67
AF25075	LX910	AF970	LX241	LF3345	OC320
AF25076	LX1057	AF971	LX227	LF3346	OC35
AF25078	LX974	FF105D	KC133	LF3349	OC320
AF25083	LX969	FF108	KX92D	LF3350	OX75D
AF25086	LXS227	FF116	KX91	LF3355	OX95D
AF25201	LX907	FF144	KX25	LF3358	OX85D
AF25202	LX208/1	FF146	KX35	LF3360	OC334
AF25203	LX958	FF147	KX36	LF3361	OC205
AF25204	LX900/1	FF149	KL222	LF3376	OC18
AF25205	LX904/1	FF167A	KX23	LF3378	OC18
AF25206	LX906	FF185	KC114	LF3391	OX30D
AF25207	LX64	FF200	KC107	LF3400	OC23
AF25208	LX902/1	FF214	KC18	LF3443	OC302
AF25209	LX55	FF4033	KX44	LF3455	OC35
AF25235	LX626	FF4052A	KX24	LF3468	HC83
AF25371	LX2713	FF4141	KX43	LF3529	OX5D
AF25700	LX3261	FF5018	KC113	LF3573	OX95D
AF25701	LXS298	FF5039	KC4	LF3574	OC300
AF25829	LA650	FF5052	KC24	LF3605	OX150D
AF25849	LX3011	FF5053	KX49	LF3648	OX199D
AF26119	LA610	FF5054	KX44	LF3658	OX85D
AF26296	LX626	FF5074	KC24	LF3667	OC317
AF335M	LX1101	FF5079	KL796	LF3668	OC90
AF335M	LX902/1	FF5135	KC18	LF3670	OX214D
AF336M	LX902/1	FF5156	KC18	LF3673	OC301
AF338	LX1063	FF5289	KL870	LF3830	OC1062
AF343	LX1062	FF5421	KC440	LF4017	OC30
AF344M	LX116	FF5626	KC441	LF4054	OC60
AF4040	LX265	FS1207	KX89/2D	LF4056	OC26
AF4058	LX236	FS1251	KC166	LF4112	OC40
AF4060	LX271/2	FS1280	KC107	LF509N	OX5D
AF4066	LX272	FS1286	KX88/1D	LF510	OX85D
AF4067	LX200	FS19996	KC119	LF516	OX218D
AF409K	LX17	HF6097	OX216	LF519	OX217D
AF410	LX905/1	HF6098	HX52	LF551A	OC67
		HF6162	HX15	LF553	OX215D

FLEETGUARD	MAHLE	FORD	MAHLE	FORD	MAHLE
LF558	OX3D	467138	LXS37/1	87HU9601A	LX971
LF596	OX18D	479981	LX236	87HU9R500AA	LXS226
LF598	OX200D	479982	LXS41/1	9155AA	KL224
LF599	OX200D	4M5J19G244AA3M	LA642	91FF9601AA	LX435
LF601	OX213	5000677	OX47D	93BW16N619AB	LA25
LF653	OC114	5000679	OX85D	9575317	OC302
LF689	OC23	5000842	OX217D	96FB9601BA	LX687
LF691	OC122	5000859	OC60	97KB9601AB	LX962
LF691A	OC122	5000861	OC26	97MM/6714/A1/A	OC235
LF699	OC308	5000885	OX30D	98FU-9155-AA	KL224/1
LF700	OC38	5001102	LX208/1	A830X9601BEA	LX273
LF701	OC324	5003460	OC47	A830X9601DHA	LX273
LF734	OC319	5004264	LX272	AE5Z-19N619-A	LA752
LF750A	OX198D	5004780	KC113	AV61-9601-AD	LX1780/3
LF779	OX47D	5004783	KX35	BE1C9E673A	LXS5/1
LF785	HC45	5004785	KX44	BE8Z-19N619-A	LA785
WF2010	WFC1	5009285	OC90	BE8Z-9601-A	LX3304
WF2070	WFC2	5011338	LX273	BF5T9155BA	KL41
WF2071	WFC1	5011426	OX69D	BF8T855AA	KC121
WF2072	WFC4	5011882	LX273	BF8X9155AA	KC122
WF2073	WFC1	542261275	KL222/KL63	BF9T9601AA	LX1096
WF2075	WFC3	5562953	LX963	BF9T9R500AA	LXS229
WF2173	WFC1	5L55-9601	LX2124	BG 5T 9W15 5AA	KL425
		5S65-9155-BA	KL420	BG1T9155CA	KL761
		6085506	LX64	BG3T9155AA	KL761
FORD		6E5Z-9601-EA	LX2642	BG5X9155AA	KC440
1004051	LA77	6E5Z-9601-GA	LX2818	BG8T6731AA	OC1055
12355851	OX188D	70023	LX973	C7NN3N5388B	HX58
12370	OX214D	71016	OX200D	CN15-9601-AB	LX2867
1354962	LA642	71028	OC324	D8NN9R500BA	LXS225
1423477	KX23	71029	OC308	D9NN9601AA	LX969
1498016	HC45	71180	OX169/1D	DONN6714A	OC334
1498021	OC18	71185	OC1055	E5HN6714CB	OC40
1498429	LX157/1	7180932	LA25	E6AZ9601B	LX2645
1556564	OX198D	72136	KL425	E7HN9N327AA	KC24
1583371	KX24	75DU9601B	LX905/1	F4FF-9155-AB	KL223/1
1715763	KX25	7632141102	HX15	F77Z9601AAA	LX1095
1794446	OC67	76TU9601A	LX200	N1U-9601-AE	LX1589
271296201	LX906	76TU9E673A	LXS40/1	TJG115561	OC304
2C459E673AA	LXS296	77TU9601A	LX265	WD5T9601A	LX1065
2DR1271774	KC18	77TU9601B	LX227	X99R9601A	LX2646
2DR129620	LX910	79TU9601A	LX975	XS4H16N619AB	LA78
2S6H16N619AA	LA169	79TU9601B	LX275	XS5X9601DA	LX1312
2TD127491	KC118	79TU9R500A	LXS231	XS6E6714D1A	OC266
3052612752	KL222	7M51-9601-AC	LX1780/3	ZBU261275F	KL222
315299	OX18D	7N159601AA	LX998		
3318157	WFC2	824846	LXS42/1	FRESINBRA	
3903410	KC107	83AU6714B	OC23	CA847161	OC18
3908616	OC320	854U9601	LX972	JB030551	LX275
3912256	HC76	85HU9155A	KC130		
45465	OC300	85HU9155CA	KC119	GADNER DENVER	
466138	KX43	85TU9601A	LX974	136750	OX198D
466139	OX199D	85TU9B064C	KC131	156172	KC133
467137	LX243	86AU9601BA	LX202		

GADNER DENVER	MAHLE	GM	MAHLE	GM	MAHLE
158139	OX218D	71028	OC324	94621833	LX958
1P2299	KC114	7232958	OC301	94707151	KL747
2008219	OC18	7317390	OX215D	94840078	OC534
26450153	OX200D	7323589	LX902/1	9975291	OX69D
26560017	KX23	7333162	OC317	MV054004	KC127
2991920	LX236	7500612	KL222/KL63	MW054001	KC122
2994206	LX271/2	7965458	KX35		
2994219	LXS41/1	7984781	KX24	GMC	
2P4004	OC121	7984943	OX69D	1#93277239	LX1316
5S484	OX3D	90144675	OC90	93297277	KC124
71029	OC308	90322262	LX414		
		90386776	LA21	GURGEL	
GM		90411732	LX523	102030	LX272
1097012	OX85D	90464424	LA49	115161	OC47
13271191	LA472	90509367	LA21	127001	KL222
1530811	KX25	90512446	LX614	3080947004	LX200
1718044	LAK11	90512779	LA49	401296194	LX904/1
1808604	LA21	90535131	LA117	56129620	LX208/1
1808607	LA49	90535132	LAK117		
20901295	LA646	90541322	LX523	HARLEY DAVID- SON	
2333078	OX198D	90559549	LA74	6378172R	OC1021
2381012	HX54	9121625	LAK11	6379677	OC1021
25062055	LX448	93 316 245	KL582(Plus)	6380580A	OC1021
25098459	LX964	9307806	OX30D	6380683	OC1021
25160729	KL83	9307810	OC23		
49603895	LX200	9307811	OC300	HAUPHT	
52255325	KL2	9307813	OC47	VE3885	WFC1
5572600	OX5D	9307815	KC24		
5573185	OX218D	9307821	OX200D	HDA	
5574382	OC67	9307827	LX1065	011109/011139	HX51D
5574589	OX217D	9307829	LX963	11002	HC84
5577618	OC18	9307831	LX157/1	11008	HX57D
5577968	OX47D	9307832	LX903/1	O11002	HC76
5578029	OC114	9307840	LX904/1		
5651090	KL222	9307841	LX208/1	HENGST	
635776	KX23	9307843	LX973	D21E142H	OX133D
6421538	LX116	9307846	LX265	E1010L	LX1780/3
6423137	LX1063	9307847	LX241	E115HD208	OX388D
6424409	LX1062	9307856	LX271/2	E1600LS	LXS295
6435087	OX18D	9307873	KX43	E17HD57	OX179D
6435477	KX36	9307874	KX44	E1911LI	LA138
6436205	HX52	93156631	OC299	E1912LC	LAK98
6436241	KC133	93205932	OC332	E1943LC	LAK62
6438403	OX3D	93253652	LA21	E1962LC	LAK422
6438513	OC30	93260511	LX1315	E1982LI	LA676
6438919	WFC1	93297277	KC124	E218LS	LXS287
6439392	OC121	93312682	KL224/1	E270L	LX626
6439658	OC122	93312933	OC728	E28HD174	HX77
6439681	OC308	93344588	LA11	E2920LI	LA817/S
6484653	LX905/1	93347472	LA189	E2953LI	LA439
6488324	LX975	93380939	TB1208	E2960LI	LA702
6488360	LXS232	94603894	LX236		
6488362	LX1100	94603895	LXS41/1		
		94613437	LXS37/1		

HENGST	MAHLE
E2962LI	LA472
E420LS	LXS282
E500KP02D36	KX80D
E500KPD36	KX80D
E580LS	LXS7233
E5KFR2D12	KX49
E606L	LX957/3
E60HD110	OX827D
E681L	LX2082/1
E762L	LX848
E900LC	LAK31
E900LC	LAK63
E900LI	LA31
E901LC	LAK11
E901LI	LA11
E902LI	LA21
E904LI	LA49
E905LC	LAK45
E907LI	LA25
E908LI	LA77
E912LI	LA83
E913LC	LAK81
E914LI	LA37
E915LC	LAK58
E921LC	LAK44
E921LI	LX1821
E933LI	LA677
E934LI	LA56
E936LC	LAK46
E940LI	LA8
E941LI	LA78
E942LI	LA47/S
E951LI	LA32
E953LI	LA123
E956LI01	LA432
E95LI01	LA650
E962LI	LA87
E972LC	LAK117
E980LI	LA678
H17W29	OC613
H17WK11	KC441
H18WK05	KC440
H200WDK	KC251
H206W	OC275
H213W	HC4
H215WK	KC214
H315WK	KL140
H96W03	OC1062
H97W12	OC475
TH160WK	KC182
W19W10	OC502

HITACHI

HOLMAN	MAHLE
156172	KC133
2654403	OC324
299080	WFC1
5573102	OX5D
70997040	OX18D
9150	KX23
HONDA	MAHLE
08R79S5AD0	LA122/S
15010MW0000	OC1019
15142HM5A10	OX410D
15142KFO000	OX410D
15400-PLM-A01	OC259
15400-PLM-A01	OC600
15400PR3004	OC115
16010S01A32	KL185
16900671003	KL222
16900SNZM51	KL635
16910-KRE-B000-M1	KL740
16910-KVS-6110-M1	KL741
16910-KVS-611	
17211KPE7300	LX3107
17211KRE850	LX3109
17211KSS900	LX3106
17213KGA901	LX3108
17213KPF850	LX3111
17220P07000	LX848
17220P1KE00	LX848
17220-PLC-000	LX1689
17220-PWC-000	LX1993
17220-RNA-A00	LX1645
17220-RND-M00	LX1645
80192-SDG-W01	LA344
80291-SEL-Y01	LA668
80291-TF0-U010M1	LA607
80292-SDC-505HE	LA344
HOOS	MAHLE
3080947004	LX200
3431847225	OX199D
3444777215	KX43
905411880009	OC26
HOOS VOEGELE	MAHLE
10947504	LX243
136750	OX198D
158139	OX218D
1845825	OX85D
26560017	KX23
4774715	KX35

HYSTER

HYSTER	MAHLE
124217	KX23
127644	OC114
1315621	HC110
169741	OC67
234849	OX5D
251755	OC308
259025	OC38
259264	OC324
5021	OX85D
56952	OX18D
7111796	KX24
7323958	OC301
75658	OX217D
802874	LX275
804990	OX214D
807430	KL222
807638	LX200
808346	LX903/1
809579	LXS40/1
809582	LXS5/1
820399	KL222/KL63
985220	KX25
HYUNDAI	MAHLE
11FK20080	LX2959
2630035014	OC205
26320-3C100	OX773D
26320-3C250	OX351D
28113-08000	LX1785
28113-1J000	LX2739
28113-1S100	LX3452
28113-4F000	LX3236
2813045000	LX1064
971332B010	LA343
971332E210	LA301
971332E260	LA608
971332L000	LA648
971333J100	LA643
F178AG7AA01	LA648
F784EB9AA	LA819
IDEAL	MAHLE
11843925	OX197D
228468	HX51D
850009990140	HC76
905411420003	KX43
905411420083	KX23
905411880008	OC60
905411880009	OC26
905412970013	LX236
9455080100	KX35

IHC

IHC	MAHLE	INPECA	MAHLE	INPECA	MAHLE
124225	OX85D	J166AALGODAO	OX85D	J7804E	LX969
151531	OX198D	J167E	OX43D	J7805E	LXS225
3029244	KX44	J169E	KX89/2D	J792E	KX91
3032750	KC113	J190E	WFC1	J796E	KX24
3146576	LX275	J192E1	WFC3	J8047E	LX116
3146927R1	LX200	J2000E	LX64	J8048E	LX1062
3146939	LX236	J2021E	LX901	J804E	OC324
3147441	HC45	J265E	OX200D	J805E	OC23
3147878R1	LXS5/1	J2808E	LX975	J806E	HX52
3148080	LXS40/1	J2809E	LXS231	J8238E	LX275
3216100R1	LXS41/1	J2953E	LX963	J8528E	LX200
3219420R1	LX265	J29E	KX43	J895E	OC38
3219421R1	LXS37/1	J29FS	KX35	J900EAUTO	OC114
388227	OC67	J300E	HX15	J9119E	LX93
711922	OC26	J3025E	LX243	J9334E	LX1101
712628	KX35	J3085E	LX273	J9335E	LX1063
714401	KX43	J3086E	LX970	J9403E	LX265
969269	OX18D	J310E	KC4	J941E	OC26
		J3115F	KX44	J943E	OX216
		J315E	OC90	J957E	OX18D
		J316E	OC317	J958E	OC301
		J339E	OC35	J9619E	LX903/1
		J355E	OX75D	J9620E	LX208/1
		J3589E	LX902/1	J9621E	LX904/1
		J3590E	LX958	J9623E	LX900/1
		J3606E	LX157/1	J962E	OC60
		J390E	OX215D	J999E	OX217D
		J3E	OX214D	NP1301	OX3D
		J403E	KC24	NS1019	OC66
		J405E	OC122	NS1052	OC235
		J408E	OC308	SA 1038	LX227
		J412E	OC30	SA 1622	LX971
		J413E	KC133	SA 2000	LX64
		J422E	OC40	SA 2021	LX901
		J440E	KC114	SA 2022	LX272
		J444E	OC121	SA 2262	LX414
		J445E	HX51D	SA 2446	LX614
		J4650E	LX241	SA 2505	LX589
		J46E	OX47D	SA 2774	LX17
		J516E	OX218D	SA 2808	LX975
		J561E	HC45	SA 2953	LX963
		J5650E	LX271/2	SA 3025	LX243
		J565E	OC300	SA 3085	LX273
		J603E	HX58	SA 3086	LX970
		J604E	HC76	SA 3088	LX450
		J620E	OX5D	SA 3589	LX902/1
		J625E	OX197D	SA 3590	LX958
		J635E	OX199D	SA 3606	LX157/1
		J700E	OX3D	SA 3616	LX55
		J7023E	LX973	SA 4650	LX241
		J711E	KX23	SA 5650	LX271/2
		J725	OX30D	SA 6201 RS	LX960
		J7620E	LX905/1	SA 7023	LX973
		J7716E	LX1100	SA 7602	LX905/1
INGERSOLL RAND					
1160024	OC26				
1160243	KC24				
156172	KC133				
158139	OX218D				
26540132	OX18D				
2654408	OC38				
265600177	KX23				
32599	OX200D				
35290626	OX5D				
35292366	KC113				
40250	OX85D				
52108040	KC107				
58194234	OX198D				
5S485	OX217D				
645881	OC67				
92035948	LX273				
92092196	OC308				
92118678	OC60				
INPECA					
BO561	HC45				
CA4259	LX55				
J01G	KL222				
J05E	KL222/KL63				
J101E	OX198D				
J1026E	LX1065				
J1038E	LX227				
J1260F	LXS40/1				
J1270F	LXS5/1				
J1280F	LXS41/1				
J1290F	LXS37/1				
J1291F	LXS42/1				
J162EA	KX25				

INPECA	MAHLE	INPECA	MAHLE	INPECA	MAHLE
SA 7801	LX972	SAP8518	LX567	SBC0092	KX49
SA 7804	LX969	SAP8548	LX236	SBC3116	KX36
SA 7806	LX974	SAP8848	LX1055/1	SC 0029	KX43
SA 7810	LX910	SAP9404	LX1056	SC 0092	KX49
SA 8528	LX200	SAP9825	LX1097	SC 0711	KX23
SA 8538	LX275	SAP9827	LX1068	SC 0796	KX24
SA 8548	LX236	SAR2022	LX272	SC 3115	KX44
SA 9119	LX93	SAR9370	LX202	SCB0218	KC18
SA 9323	LX900/1	SAR9405	LX961	SCB0219	KC129
SA 9370	LX202	SAS1271	LXS226	SCB0730	KC113
SA 9380	LX909	SAS1292	LXS44/1	SCB0925	KC132
SA 9381	LX964	SAS1293	LXS43/1	SCB0975	KC46
SA 9384	LX908	SAS1294	LXS227	SCB0983	KC22
SA 9385	LX907	SAS7360	LXS232	SCB0985	KC107
SA 9386	LX453	SB 0190	WFC1	SCB0990	KC94
SA 9388	LX687	SB 0192	WFC3	SCB0999	KC83
SA 9389	LX962	SB 0194	WFC2	SEC0757	KX92D
SA 9390	LX906	SB 0218	KC18	SEL0180	OX98D
SA 9395	LX448	SB 0307	OC2	SEL0447	OX69D
SA 9396	LX523	SB 0312	OC318	SEL0449	OX71D
SA 9403	LX265	SB 0314	OC66	SEL0630	OX150D
SA 9405	LX961	SB 0315	OC90	SEL0640	OX95D
SA 9619	LX903/1	SB 0316	OC317	SH 0601	HX15
SA 9620	LX208/1	SB 0317	OC274	SHB0391	HC82
SA 9621	LX904/1	SB 0318	OC239	SHB0421	HC85
SAB0194	WFC2	SB 0408	OC308	SHB0656	HC81
SAL2262	LX1315	SB 0422	OC121	SHB0766	HC4
SAL2446	LX614	SB 0423	OC282	SI 0100	KL60
SAL2505	LX589	SB 0425	OC304	SI 0101	KL83
SAL2506	LX618	SB 0440	KC114	SI 0102	KL225
SAL6092	LX405	SB 0563	OC250	SI 0105	KL224
SAL6093	LX684	SB 0565	OC300	SI 0106	KL223
SAL8840	LX735	SB 0571	OC235	SIC0100	KL60
SAL9380	LX909	SB 0572	OC266	SIC0101	KL83
SAL9381	LX964	SB 0602	OC320	SIC0102	KL225
SAL9384	LX908	SB 0604	HC76	SIC0104	KL237
SAL9385	LX907	SB 0656	HC81	SIC0105	KL224
SAL9386	LX453	SB 0715	OC67	SIC0106	KL223
SAL9388	LX687	SB 0730	KC113	SL 0265	OX200D
SAL9389	LX962	SB 0804	OC324	SL 0355	OX75D
SAL9390	LX906	SB 0920	OC18	SL 0447	OX69D
SAL9395	LX448	SB 0921	OC23	SL 0449	OX71D
SAL9396	LX523	SB 0941	OC26	SL 0615/0625	OX197D
SAL9601	LX435	SB 0945	OC261	SL 0630	OX150D
SAP1004	LX1064	SB 0958	OC301	SL 0635	OX199D
SAP1008	LX912	SB 0959	OC114	SL 0640	OX95D
SAP1622	LX971	SB 0960	OC302	SL 0725	OX30D
SAP2774	LX17	SB 0962	OC60	SL 0825	OX85D
SAP3088	LX450	SB 0963	OC303	SL 0957	OX18D
SAP7801	LX972	SB 0964	OC35	SLB0043	OC272
SAP7803	LX1057	SB 0975	KC46	SLB0055	OC259
SAP7806	LX974	SB 0980	KC24	SLB0306	OC274
SAP7810	LX910	SB 0985	KC107	SLB0307	OC2
SAP8507	LX1094	SB0562	OC47	SLB0312	OC318

INPECA	MAHLE	IRLEMP	MAHLE	IRLEMP	MAHLE
SLB0318	OC239	AF234401	LX227	FPT750	OX198D
SLB0323	OC299	AF24650	LX241	GIF12	KL222
SLB0562	OC47	AF246501	LX271/2	GIF4185	KL222/KL63
SLB0563	OC250	AF2875	LXS232	IR16S13Z	KX44
SLB0572	OC266	AF2898	LX1100	IR391	OX30D
SLB0583	OC309	AF3193	LX64	IR392	KX43
SLB0923	OC332	AF8047	LX116	IR415	OX85D
SLB0945	OC261	AF9334	LX902/1	IR449	HX53
SLB0947	OC81	AFI6010	LX963	IR641	KX49
SRA0780	LX1102	AFI6011	LX902/1	MF58	KX25
SRS1022	LX714	AFI6013	LX1065	P13910M	HX51D
SRS3414	LX1069	AFI6047	LX973	P176	HX54
SRS7104	LX1093	AFI6060	LX200	P230	KX92D
SRS8204	LX1070	AFI6067	LX265	P41	OX218D
SS 1260	LXS40/1	AFI6080	LX208/1	P42	OX219
SS 1270	LXS5/1	AFI6091	LX903/1	P87	OX216
SS 1271	LXS226	AFI6092	LX904/1	PER1	OC67
SS 1280	LXS41/1	AFI6109WO	LX1102	PER1/RL137	OC67
SS 1290	LXS37/1	AFI6121	LXS40/1	PER137	OC324
SS 1291	LXS42/1	AFI6122	LX275	PER138	OC38
SS 1292	LXS44/1	AFI6123	LXS5/1	PER17	OC18
SS 1293	LXS43/1	AFI6144	LX236	PER17/RL17	OC18
SS 1294	LXS227	AFI615	LX273	PER18	OC23
SS 7805	LXS225	AFI6152	LX157/1	PER231	KC133
SSB0450	KC121	AFI6159	LXS37/1	PER313	OC319
SSB0460	KC122	AFI6167	LX272	PER40	OC114
SSB0470	KC124	AFI6180	LXS41/1	PER53	KC114
SSB0480	KC125	AFI6182	LXS42/1	PER67	OC121
SSB0490	KC128	AFI6185	LX900/1	PER69	OC122
SSB0530	KC119	AFI6207	LX55	PERI208	OC60
SSB0960	KC120	AFI6208C	LX901	PERI211	KC4
SSD0168	KX88/1D	AFI6220	LXS43/1	PERI219	OC317
SSD2965	KC130	AFI6225	LX93	PERI221	OC301
SUN0005	KL222/KL63	AFI6226	LX970	PERI222	OC26
		AFI62261	LX450	PERI224	OC300
		AFI6230	LX958	PERI236	OC35
INTERNATIONAL		AFI6234	LX1057	PERI240	HC45
72121	KL761	AFI6271	LX969	PERI2405B	OC47
		AFI6272	LXS225	PERI243	HC76
IRLEMP		AFI6289	LX1098	PERI248	HC84
1R392	KX43	AFI6291	LX1055/1	PERI253A	KX24
2020SM30	KX88/1D	AFI6304	LX906	PERI260	HC85
2020TP-30M	KX88/1D	AFI6305	LX907	PERI264	KC24
2040SM30	KX89/2D	AFI6306	LX961	PERI289	OC121
210970	KC113	AFI6309	LX910	PERI291	KC18
2S1285	LX1062	AFI9334	LX1101	PERI292	OC90
AF20325	LX243	AFP90	LX905/1	PERI293	OC30
AF20326	LX243	AR6221	LXS44/1	PERI306	OC334
AF2040KLL	LX17	EP178	OX47D	PERI315	OC302
AF2053	LX1063	EP179	OX18D	PERI316	OC40
AF2204LL	LX972	EP205	HX52	PERI318	HC83
AF2209	LXS231	EP21	KX91	PERI332	OC304
AF2211	LX975	EP2242	HX57D	PERI333	OC320
AF2306	LX1100	EP7820M	OX5D	PI3	OX214D

IRLEMP	MAHLE	IVECO	MAHLE	KIA MOTORS	MAHLE
PI302	OX215D	1907612	AL12-DESUM.	NK79023603B	LX1097
PI346	OX200D	1907695	LX626	NRF0323802	OC318
PI352	HX15	1908547	KC186	NVS0114320	OC274
PI403	KX35	2992241	KC440	OK01623802A	OC299
PI417	HX58	2992300	KC182	OK71E23570	KC132
PI487	OX197D	2992662	KC214	OK72C23603	LX1094
PI567	OX75D	2995655	OC613		
PI607	OX43D	2996126	LX2082/1	KOMATSU	
PI638	OX199D	2996127	LX626	10830520	LX200
PI673	OX150D	3802821	LA439	1083258	HX15
PI699	OX95D	41270082	LX2082/1	10945204	LX265
PI700	OX71D	41272124	LX2082/1	11201B1280	LX236
PI701	OX69D	41272515	LX626	11201B1290	LXS41/1
PR3	OX213	42488361	LX273	136750	OX198D
PW2010	WFC1	42553548	UX1D	14401B2220	LXS42/1
PW2013	WFC3	42555073	UX2D	14401B2250	LX227
PW2070	WFC2	500315484	KX269	14404B5560	KX89/2D
PW2072	WFC4	503106176	LXS261	1456431261	KX35
R17	OC308	503120248	LX610	156172	KC133
R26A50	KC119	7147701	KC125	158139	OX218D
R2910M	HC81			1843925	OX197D
R4510M	KC121	JAC MOTORS		1845825	OX85D
R5	OX3D	JAC-L22000	LA698	2271029	OX30D
R6010M	KC122	S8100L22000-00004	LA698	227350	KX44
R7	OX217D			228539	OC18
R9030M	KC124	JAPANPARTS		228795	LX241
RA2010	WFC1	FOECO044	OX827D	228887	LX271/2
RA2016	WFC1			228911	KC24
RA6180	LXS41/1	JOHN DEERE		299080	WFC1
RA6182	LXS42/1			3431847325	OX199D
RC329	KC113	136750	OX198D	3450947004	LXS37/1
RC330	KC24	156172	KC133	3451800210	OX75D
RC43	KC107	158139	OX218D	4773815	KX43
RI391	OX30D	5576200	OX5D	5S484	OX3D
RI415	OX85D	AH78769	OC114	6002111210	OX217D
RL137	OC324	AM31205	OC18	6002115240	OC26
RL222	OC26	AT17387T	KX23	71029	OC308
RL332	OC304	DQ24057	KC119	784620	HX52
RP487	OX197D	DQ59138	LX3190	8411286	HX51D
RP638	OX199D	DQ59139	LXS292	D048861	OX5D
T149A	KX23	RE187966	LA676	D1224440H1	HC81
				D900177	LX243
ISUZU		KIA MOTORS		EFC1	KX23
13002B1810	LX265	0K01713Z40B	LX1821	EFOL1	OX200D
13002B1820	LXS37/1	28113-2K000	LX2739	EFOL5	OX18D
1306018880	HX52	281134E000	LX2689	EFOL7	OX47D
6114505100	OX3D	9713307000	LA649		
94428391	OC299	971332F000	LA298	KS	
		971332K000	LA531	50013000	OC60
		971333SAA0	LA819	50013001	KC18
IVECO		K01113Z40	LX677	50013002	KC113
1902129	LX273	NK71023902	OC239	50013003	OC23
1904550	LX273	NK71E23603	LX1068	50013017	OC35
1907582	OC248				

KS	MAHLE	KS	MAHLE	LIEBHERR	MAHLE
50013024	OX69D	50013299	LX974	5106133	OC26
50013030	KX23	50013300	LX910	5106169	KC113
50013032	KL2	50013306	KC114	5106180	LX275
50013034	LX200	50013307	LX435	5106181	LX271/2
50013035	LX265	50013312	LX972	5106188	LX227
50013036	LX227	50013314	LX902/1	5106189	LX265
50013037	LX273	50013315	LX958	5106191	LX273
50013042	OX150D	50013316	LX971	5106525	LXS41/1
50013043	OX95D	50013319	LX905/1	5502029	OC60
50013044	HX15	50013327	LX414	5502259	KX44
50013052	OC67	50013330	LX64	5502278	OX85D
50013053	OC26	50013337	OC304	5507621	OX30D
50013055	OC121	50013346	LXS37/1	5507741	LX200
50013064	LX271/2	50013360	OC302	5601963	LXS37/1
50013073	OC47	50013366	LX909	5602073	OX69D
50013077	LX208/1	50013367	KX49	5602112	KX35
50013079	KC24	50013369	KX43	6361613	OX198D
50013080	KL60	50013370	KX44	7000738	LX243
50013088	LX970	50013380	OC303	7002304	KX43
50013097	OC266	50013389	LX964	7002402	LXS5/1
50013100	OC90	50013396	OC114	7002914	OX71D
50013103	LX93	50013402	OX75D	7211208	OX150D
50013121	LX275	50013403	OX197D		
50013122	LX236	50013404	OC317		
50013142	LX202	50013407	HC45	LOGAN	
50013188	OC250	50013410	OC300	CFA001P	LX906
50013197	LX448	50013411	KL83	CFA002P	LX907
50013204	LX962	50013413	KL223	CFA005P	LX902/1
50013207	OC320	50013510	OC235	CFA007P	LX963
50013209	LX907			CFA008P	LX1065
50013212	LXS42/1	KUBOTA		CFA016P	LX208/1
50013215	OC18	1521332090	HC45	CFA017P	LX903/1
50013216	OC261	1542632430	OC47	CFA019P	LX904/1
50013218	LXS5/1	6002116230	OC26	CFA020P	LX900/1
50013221	LXS43/1	7000032001	OC67	CFA021P	LX905/1
50013229	LXS41/1			CFA022P	LX157/1
50013231	LX523			CFA025P	LX55
50013235	OC301	LADA		CFA027P	LX901
50013236	OC324	21011012005	OC23	CFA042P	LX64
50013244	LX906	210801117010	KL222/KL63	CFA044P	LX958
50013247	LXS44/1			CFA045P	LX202
50013253	OC66	LANCIA		CFA051P	LX961
50013254	KC46	7571569	OC248	CFA187M	LX972
50013261	OC282			CFA190M	LX969
50013263	OC2			CFA191M	LXS225
50013264	OC308	LAND ROVER		CFA197M	LX272
50013277	KC107	JMO000010	LAK62	CFA226M	LXS41/1
50013278	LX272			CFA227M	LXS40/1
50013280	LX687	LIEBHERR		CFA228M	LXS5/1
50013285	LX55	1753731	LX236	CFA236M	LX973
50013287	LX960	3313281	OC319	CFA237M	LX241
50013290	LX614	3315116	WFC1	CFA240M	LX265
50013294	LX903/1	3315847	KC133	CFA241M	LX200
50013296	LX975	3903640	KC24	CFA249M	LX275

LOGAN	MAHLE	LOGAN	MAHLE	LUBER FINER	MAHLE
CFA396M	LX17	CV404X	KX89/2D	LAF1269	LX975
CFA405M	LX1062	CV422X	KX24	LAF1710	LX200
CFA406M	LX1063	CV450X	KX92D	LAF1711	LXS40/1
CFA458M	LX1100	FA261US	WFC2	LAF1712	LX275
CFA459M	LXS232	FA264US	WFC3	LAF1713	LXS5/1
CFA476M	LX116	FH057US	HC76	LAF1714	LX236
CFA477M	LX1101	FH250US	HC85	LAF1715	LXS41/1
CFA499M	LX273	FL068US	OC317	LAF1716	LX227
CFA511M	LX1057	FL070US	OC38	LAF1717	LXS42/1
CFA513M	LX975	FL073US	OC114	LAF1718	LX271/2
CFA514M	LXS231	FL074US	OC300	LAF1719	LXS43/1
CFA518M	LXS44/1	FL075US	OC301	LAF1720	LXS37/1
CFA519M	LXS42/1	FL077US	OC23	LAF1726	LX273
CFA520M	LXS43/1	FL080US	HC45	LAF1727	LXS44/1
CFA523M	LXS37/1	FL081US	OC47	LAF1732	LX272
CFA527M	LX970	FL085US	OC90	LAF1747	LX93
CFA528M	LX450	FL090US	OC121	LAF334	LX1101
CFA530M	LX93	FL091US	OC334	LAF335	LX1063
CFA801M	LX243	FL092US	OC302	LAF3702	LX241
CFA810M	LX227	FL093US	OC40	LAF47	LX116
CFA811M	LX271/2	FL095US	OC30	LAF5516	LX972
CFA813M	LX236	FL107US	OC319	LAF7360	LXS232
CH130X	HX54	FL224US	OC60	LAF7716	LX1100
CH204X	OX5D	FL226US	OC18	LFF2040	KX89/2D
CH301X	OX216	FL236US	OC122	LFF3403	KX49
CH302X	HX52	FL242US	OC35	LFF3501	KX24
CH383X	HX51D	FL248US	OC308	LFF3502	KC4
CH390X	HX58	FL251US	OC324	LFF3504	KC18
CH391X	HX15	FL324US	OC26	LFF3507	KX44
CL121X	OX214D	FL332US	OC67	LFF45	KC107
CL123X	WFC1	FV051GS	KL222	LFF5	KC133
CL125X	OX217D	FV055AL	KL222/KL63	LFP16	OC18
CL208X	OX215D	FV071US	KC24	LFP18	OC26
CL209X	OX200D	FV238US	KC133	LFP2222	OC60
CL218X	OX30D	FV319US	KC4	LFP2229	OC35
CL221X	OX85D	FV320US	KC114	LFP2234	OC30
CL300X	OX47D			LFP2292	OC308
CL307X	OX3D	LOXUS		LFP29	OC114
CL312X	OX18D	9091503005	OC534	LFP3000	OC304
CL349X	OX218D			LFP3191	OC121
CL350X	OX197D	LUBER FINER		LFP440F	KC114
CL351X	OX95D	364F	KX91	LFW4071	WFC1
CL356X	OX150D	750	OX198D	LFW4072	WFC4
CL396X	OX75D	FP586F	KC113	LFW4075	WFC3
CL400X	OX43D	G-1	KL222	LH8504	HX15
CL650X	OX199D	HP1	OC67	LP132	OX5D
CU323X	KX25	L2020F	OC67	LP141	OX215D
CV201F	KX49	L23F	KX88/1D	LP161	OX3D
CV206F	KX43	L296F	KX25	LP163	OX217D
CV206P	KX35	L43F	KX23	LP164	OX216
CV207F	KX44	L60F	KX92D	LP2211	OX85D
CV300X	KX91	L61F	KX35	LP2214	OX43D
CV322X	KX23	LAF1267	KX36	LP2218	OX75D
CV403X	KX88/1D		LXS231	LP2235	OX69D

LUBER FINER	MAHLE	MERCEDES BENZ	MAHLE	MERCEDES BENZ	MAHLE
LP2236	OX30D	10947504	LX243	4760940104	LXS312
LP468	HX51D	10947904	LX271/2	4773115	KX44
LP560	HX52	10948004	LX241	6131800009	OX179D
LP72	OX200D	10948204	LX275	6171840125	OX98D
LP772	OX18D	11840225	OX71D	79200361087	AL12-DESUM.
LP815	OX71D	11843325	OX75D	8690940020	LX273
P178	OX47D	11843801	KL222	921505	KX43
PH16	OC23	11843825	OX69D	922705	KX49
PH4403	OC324	11843925	OX197D	925505	KC129
PH4408	OC38	11844125	OX150D	9584770015	KC126
PH6714	OC334	11844225	OX95D	A 979 477 00 01	KL445
		11845825	0951-127M1-ELEM. DISCO COADOR	A0001801409	OC261
MADAL		11846625	OX198D	A0008303318	LA83
341030	HC84	11849601	OC60	A0008305618	LA651
		1688300018	LA81	A1661840525	OX135/1D
MAFERSA		1688300018	LAK81	A2028300018	LA37
17603450161	KC107	1800009	OX47D	A2108301018	LA47/S
17603450163	OC319	1800109	OX85D	A3760927301	KC127
17603450164	WFC2	1801609	OX161/D	A3844777015	KC126
		1802909	OX348D	A3844777015KZ	KC125
MAN		1842325	HX15	A4760927201	KC128
51125030062	KX72D1	1843825	OX69D	A6110920101	KL174
81154036015	UX1D	1846725	OX30D	A6111800009	OX153/7D
81154036089	UX1D	20943204	LXS37/1	A9018300018	LA83
		20943304	LXS5/1	A9060920305	KX67/2D
MASSEY FERGU- SON		20946104	LXS41/1	A9408350047	LA678
1447048	OC324	3080947104	LXS40/1	A9738350147	LA677
1447082M1	OC38	30940601	HC45	B66809903	LAK98
2710806M	KX24	30944504	LXS42/1	KL33	KL33
		30948304	LX513		
MAXION		31843301	OC303	MICRONAIR	
3388840M2	LX3011	322405	KX35	MC509	LAK11
501308346	HC4	3431840025	OX199D	MC548	LAK58
		3431847425	OX43D	MC549	LAK46
		3440927405	KX36	MC592	LAK63
		3500947104	LXS43/1	MC594	LAK98
		3661840125	OX137D	MC607	LAK117
		3740947104	LX1093	MC649	LAK62
		3740947204	LXS263	MC724	LAK422
		3760927001	KC122	MC783	LAK612
		3760927104	FT6211700	MP0002	LA689
		3760927301	KC122	MP0003	LA690
		3760927301KZ	KC122	MP0031	LA691
		3760948304	LXS261	MP0032	LA692
		3820927005	KC119	MP0033	LA693
		3880947004	LX273	MP009	LA11
		3880947104	LXS44/1	MP011	LA45
		3900900052	KC114	MP012	LA9
		4571800009	OX168D	MP013	LA123
		4571840125	OX348D	MP014	LA75
		4760907402	KC128	MP018	LA21
		4760927201KZ	KC128	MP020	LA83
		4760940004	LX1313/1	MP028	LA180
MERCEDES BENZ					
000 090 13 51	KX72D1				
0001801709	OX174D				
0001802109	OX348D				
0001802909	OX348D				
0020949304	LX335				
0030943904	LX496				
0030945004	LX273				
0057230000	KX80D				
10920401	KC22				
10944204	LX265				
10944504	LX200				
10944604	LX236				
10944704	LX227				

MICRONAIR	MAHLE	MICRONAIR	MAHLE	MWM	MAHLE
MP033	LA87	MP559	LA656	47A3	KX25
MP034	LA395	MP9901	LA651	605411520020	KC113
MP034	LA8	MP9902	LA660	605412970004	OX47D
MP037	LA81			605412970032	LX236
MP039	LA56	MINI		605412970033	LX243
MP041	LA78	6675517	OC23	605412970034	LX265
MP044	LA31			605412970049	LXS43/1
MP047	LA74	MITSUBISHI		605412970050	LX271/2
MP057	LA57	4730200134	KX44	606901670114	LXS41/1
MP060	LA120	AK159502	LX1067	606901670115	LXS37/1
MP061	LA153	CDPA0039	LX3190	606901970110	LX273
MP065	LA40	CDPA0040	LXS292	620T18689	OX85D
MP065	LA60	MB220900	KC46	808C01703E1	OC18
MP066-2	LA122/S	MD069782	OC274	9.0541.05.0.0115	KL422
MP071	LA138	ME0049099	OC299	9.0541.15.1.0020	KC122
MP0740	LA655	ME013307	OC1062	9.0541.15.1.0023	KC437
MP078	LA144			9.0541.15.1.0035	KL747
MP096	LA142	MOTOCANA		9.0541.15.1.0036	KL428
MP107	LA117	51741	HX51D	9.0541.15.1.0037	KX212
MP114	LA169			905411510015	KC18
MP131	LA677	MTU		905411510019	KC121
MP132	LA678	10945104	LX271/2	905411880011	OC35
MP139	LA189	3441800109	OX197D	905411880012	OC26
MP158	LA668	8690940	LX265	905411880013	OC60
MP171	LA650	8690940020	LX273	905411880018	OC404
MP180	LA344			905412970012	LX200
MP191	LA499	MULLER		905412970014	LX275
MP192	LA601	10945204	LX265	905412970037	LXS5/1
MP196	LA301	11843925	OX197D	905412970038	LX1057
MP197	LA298	1457431159	KX44	905412979004	LX1065
MP220	LA649	158139	OX218D	90541420083	KX23
MP229-2	LA654/S	159706	OX198D	9451080065	KC24
MP242	LA653	1845825	OX85D	945108015	KX44
MP263	LA439	4773815	KX43	945108019	KX43
MP269	LA648	50060082	OC319	9455080100	KX35
MP270	LA396	50060083	WFC1	NASA	
MP277	LA343	63306306	OC60	058133843	LX448
MP282	LA642	69303201	LX243	BF1605	KX44
MP283	LA612	69304102	KC24	NA2001	KL222/KL63
MP321	LA422	69304103	KX35	NF1605	KX44
MP328	LA694	69304401	KX92D	NF1606	KX43
MP344	LA818	69304501	KX23	NF1607	KX49
MP368	LA531	69305106	OX5D	NG1702	KL222
MP370	LA609	69305202	HX51D	NH1904	HX15
MP371	LA643	69306101	OX200D	NH1905	HX58
MP372	LA607	69306103	OX18D	NH1908	HX54
MP373	LA647	69306105	OX47D	NH1909	HX51D
MP375	LA695	69306301	OC26	NH1912	HX52
MP376	LA676	71032	OC38	NH1916	OX216
MP383	LA646	EFOL3	OX30D	NI100	KL60
MP430	LA696			NI103	KL225
MP453	LA697	MWM		NI105	KL83
MP537	LAK81				
MP558-2	LA652/S				

NASA	MAHLE	NASA	MAHLE	NASA	MAHLE
NI110	KL223	NR1145	LX55	NS1009	OC301
NI111	KL237	NR1148	LX905/1	NS1010	OC324
NI130	KL2	NR1160	LX116	NS1011	OC114
NI131	KL79	NR1161	LX1070	NS1012	OC308
NL1802	OX85D	NR1162	LX1093	NS1013	OC90
NL1803	OX30D	NR1165	LX1101	NS1016	OC67
NP1301	OX3D	NR1167	LX1100	NS1017	OC26
NP1302	OX47D	NR1195	LX272	NS1019	OC66
NP1303	OX18D	NR1196	LX958	NS1020	OC60
NP1307	OX215D	NR1197	LX64	NS1021	OC30
NP1308	OX200D	NR1198	LX906	NS1022	OC534
NP1311	KX25	NR1204	LX901	NS1025	OC35
NP1312	KX23	NR1206	LX974	NS1026	KC24
NP1315	OX214D	NR1207	LX975	NS1027	OC318
NP1317	KX35	NR1208	LXS231	NS1028	OC332
NP1319	OX75D	NR1211	LX687	NS1030	OC38
NP1320	KX36	NR1216	LX523	NS1032	KC114
NP1321	OX198D	NR1218	LX448	NS1036	HC83
NP1322	OX217D	NR1219	LX909	NS1037	HC76
NP1327	OX43D	NR1220	LX907	NS1038	OC302
NP1330	KX24	NR1221	LX1312	NS1043	KC18
NP1334	OX197D	NR1222	LX453	NS1044	OC40
NP1355	OX199D	NR1224	LX908	NS1046	OC250
NP1356	OX69D	NR1225	LX910	NS1047	OC261
NP1357	OX71D	NR1227	LX964	NS1048	OC320
NP1360	KX89/2D	NR1230	LXS41/1	NS1049	OC282
NP1361	OX150D	NR1232	LX1057	NS1050	KC22
NP1362	OX95D	NR1235	LX962	NS1052	OC235
NP1370	KX88/1D	NR1238	LX970	NS1055	KC107
NR1101	LX963	NR1238/1	LX450	NS1056	KC75
NR1103	LX200	NR1239	LX93	NS1057	OC35
NR1104	LX904/1	NR1240	LX614	NS1060	OC404
NR1105	LX903/1	NR1242	LX1069	NS1062	KL41
NR1111	LX241	NR1246	LX971	NS1064	KC113
NR1112	LX271/2	NR1247	LX1056	NS1065	KC94
NR1113	LX902/1	NR1250	LX972	NS1067	OC309
NR1114	LX1065	NR1254	LX969	NS1068	KC4
NR1116	LX208/1	NR1256	LX1055/1	NS1070	KC133
NR1118	LX1068	NR1264	LX960	NS1074	OC274
NR1119	LX157/1	NR1268	LX290	NS1078	KC46
NR1121	LX900/1	NR1272	LX513	NS1079	OC81
NR1123	LX275	NR1273	LX1098	NS1086	OC239
NR1124	LX961	NR1274	LX435	NS1087	KC83
NR1125	LX243	NR1288	LX1314	NS1091	KC129
NR1126	LX265	NR1290	LX567		
NR1129	LX227	NR1294	LX1067		
NR1131	LX1056	NRS1152	LXS42/1	NEW HOLLAND	
NR1132	LX273	NS1001	OC317	466138	KX43
NR1134	LXS40/1	NS1002	OC266	467137	LX243
NR1135	LXS5/1	NS1003	OC300	467138	LXS37/1
NR1136	LX973	NS1004	OC47	479899	OX85D
NR1138	LX202	NS1005	OC259	479981	LX236
NR1143	LX17	NS1006	OC18	479982	LXS41/1
NR1144	LX236	NS1007	OC23	5573102	OX5D

NEW HOLLAND	MAHLE	PERKINS	MAHLE	PURIAR	MAHLE
758705	OC60	71029	OC308	PA1252	LX1062
758904	OX199D			PA1255	LX1101
822421	LX265			PA1257	LX1100
822434	OX197D	PEUGEOT		PA1258	LXS232
824846	LXS42/1	1109 R6	OX193D	PA1535/1	LX903/1
824847	LX227	1444.EX	LX478/1	PA2004	LX963
87344136	LXS292	1444.PT	LX1745	PA2005	LX905/1
87636412	LXS261	1444.PX	LX1765	PA2007	LX227
87840136	KC122	1444.QF	LX645/1	PA2008	LX975
9455080100	KX35	1444.W3	LX1048	PA2009	LXS231
E5HN6714BB	OC334	1444-V2	LX795	PA2011	LX64
FONN9176BA	KC18	6447-55	LA32	PA2051	LX157/1
R468091	KC119	6447-93	LA9	PA2052	LX55
		6447JO	LA123	PA2401	LX902/1
		6447NT	LA138	PA2402	LX236
		6447TY	LA123	PA4051	LXS37/1
NISSAN				PA4052	LXS42/1
16546-ET00A	LX957/3	PLATINUM		PA4801	LX275
20421NY00J	UX1D	PL1411G6	KL222	PA4802	LXS40/1
22277EN000	LA396	PL1413A6	KL222/KL63	PA4803	LXS5/1
27274EB700	LA817/S	PL1417	KX43	PA4804	LXS41/1
27277EN025	LA396	PL1418	KX44	PA4805	LX17
27891EL00A (CES0802)	LA818	PL1421	KC130	PA4851	LX200
BRPRT10408	KL440/4	PL1422	KC18	PA4852	LX243
				PA4853	LX265
OPEL		PSA		PA6001	LX973
4403019	OC309	95667986	LA8	PA7201	LX241
649008	OC115	9647867780	KL583(Plus)	PA7203	LX273
		9659458480	KL583(Plus)	PA7204	LXS43/1
PARKER		9673849	KL72	PA7205	LX970
900236Q/10Q (PERI-250)	HC4			PA8452	LX904/1
AF2139LL	LXS299	PUCH		PA8453	LX208/1
PERI-326	HC110	79200361087	AL12-DESUM.	PA8456	LX900/1
PERI-375	HC101			PA8457/B	LX901
PERI-381	HC103			PA8460	LX272
PERI-659	HC107	PUMA		PA8503	LX93
PERI-705	HC108	2654403	OC324	PAE2001/PP	KL222
R12010MBAQII	KC126	2656017	KX23	PB1450	WFC1
RC376	KC440	401296194	LX904/1	PC1251	KX91
TXW8C-GDL10B	HX107	7323589	LX902/1	PC1252	KC114
		7323958	OC301	PC1430	KC133
		7323959	OC114	PC2081	KC4
PERKINS		7500612	KL222/KL63	PC4851	KX44
1845825	OX85D	75006120	KL222	PC4852	KX43
2710797M91	LX236	905411420003	KX43	PC4852/PP	KX35
2710801M1	LXS40/1	905411880009	OC26	PC4901	KX25
2710804M1	LX275	905412970014	LX275	PC6001	KX23
2710805M1	LXS5/1	905412970037	LXS5/1	PC6002	KX24
423651	KX24	9455080100	KX35	PC7205	KC24
6354129	KC18	ZBA261275H	KL222/KL63		
635776	KX23			PUROLATOR	
70023	LX973			574112	OX18D
70997040	OX18D	PURIAR		574148	OX200D
71016	OX200D	PA1202	LX1065		
71029	OC308	PA1251	LX116		

PUROLATOR	MAHLE	PUROLATOR	MAHLE	RACOR	MAHLE
62367	KX25	PED117	KX36	AR6220	LXS43/1
65198	KX91	PER17	OC18	AR6221	LXS44/1
6657349	OX47D	PER224	OC334	AR6225	LX93
6673146	HX52	PER275F	KC4	AR6226	LX970
6690452	LX1100	PER281H	HC85	AR6226/1	LX450
6692713	KX92D	PER43	KC107	AR6234	LX1057
6694036	KC133	PER4422	OC320	AR6277	LX971
9304811	LX1101	PER53	KC114	AR6289	LX1098
AF2040K	LX17	PER67	OC121	AR6291	LX1055/1
AF2052	LX1062	PF3013D	KX49	AR6301	LX974
AF2053	LX1063	PL31	OX197D	AR6309	LX910
AF2209	LXS231	PM1096	LX200	AR6316	LXS227
AF2211	LX975	PM1568	LX227	R12030MB	KC126
AF2875	LXS232	PM1605	LX236	R26A50	KC119
AF3098	LXS40/1	PM1623	LX241	R28A30	KC120
AF3100	LXS41/1	PM1628	LX243	R4510M	KC121
AF3101	LXS37/1	PM1760	LX273	R6010HP	KC127
AF3102	LXS42/1	PM1762	LX275	R6010M	KC122
AF3103	LXS43/1	PM2026	OX43D	R9010HP	KC128
AF3104	LXS44/1	PM2429	OX69D	R9010M	KC123
AF3492	OC302	PM2447	OX75D	R9030MB	KC125
AF3498	LX271/2	PM5122	HX15	RA2010	WFC1
AF3519	LX265	PW4452	WFC1	RA2013	WFC3
AF3549	LX970	PW4453	WFC4	RA2070	WFC2
EP1321	OX3D	PW4456	WFC3	RA2072	WFC4
EP78	OX5D	PZ453	KX43	RC149A	KX23
FC140	OC23	PZ454	KX44	RC253A	KX24
FCA90	LX905/1			RC2677	KC130
FCG152	KC18	RACINE		RC2687	KC131
FCO1	OC67	4450401	HC76	RC291	KC18
FCO213	HC45			RC329	KC24
FPT750B	OX198D	RACOR		RC330	KC113
GF11	KL222	2020TP-30M	KX88/1D	RC346AQ	KC129
HOT40	OC114	2040TP-30M	KX89/2D	RC43	KC107
MF229A/1	OX217D	AR20325	LX243	RC5188	KL222/KL63
MF67600A	OC30	AR2204	LX972	RI16S13Z	KX44
MFF783A	KX24	AR2209	LXS231	RI391	OX30D
N51	OX85D	AR23440	LX243	RI392	KX43
P137	HX51D	AR23440/1	LX227	RI415	OX85D
P141	OX215D	AR24650	LX241	RI641	KX49
P41	OX218D	AR24650/1	LX271/2	RI672	KX67/2D
P87	OX216	AR6011	LX902/1	RL137	OC324
PB3015D	OX30D	AR6047	LX973	RL17	OC18
PB3052	OX71D	AR6060	LX200	RL208	OC60
PC20	OC317	AR6067	LX265	RL221	OC301
PC202	OC26	AR6121	LXS40/1	RL222	OC26
PC210	OC308	AR6122	LX275	RL236	OC35
PC224	OC60	AR6123	LX5/1	RL240/4	HC45
PC228	OC38	AR6144	LX236	RL289	OC121
PC232	OC35	AR6154	LX273	RL293	OC30
PC237	OC324	AR6159	LXS37/1	RL306	OC334
PC244	OC40	AR6180	LXS41/1	RL313	OC319
PC42	KC113	AR6182	LXS42/1	RL315	OC302
PED109	KX35			RL316	OC40

SLC	MAHLE	TEMA TERRA	MAHLE	TOYOTA	MAHLE
DQ06137	OX197D	P206009	KX23	1561380001	OX150D
DQ08522	LXS42/1	P206011	OX18D	17741U210071	LX2959
DQ11757	OC60	P206013	OX200D	178010C010	LX2125
S01175	HX53	P206019	OX30D	17801-21050	LX1286
		P206025	LX243	17801-22020	LX1286
STEYER		P206027	OX85D	1780154080	LX912
1855503	KX43	P206037	LX200	1781198003	LX275
1855504	KX35	P206054	LX241	1781198004	LXS5/1
3110019019	LXS40/1	P206065	LX275	1845825	OX85D
4060716	OC18	P206067	OC324	23300-15020	KL139
41185190010	LX275	Z92060068	HX57D	23300-19285	KL140
4118519007	LXS5/1			4773815	KX43
480A470060	HX15	TEREX		4774715	KX35
559000710020	LX241	120877	OX198D	87139-02070	LA109
61000070005	OC60	15288430	LXS43/1	871390K010	LA655
61100190020	LXS41/1	156172	KC133	8713930040	LA655
61100190028	LX236	173171	OC18	8713932010	LA647
61200190002	LX243	210970	KC24	8713952020	LA655
61200190033	LXS37/1	299080	WFC1	88568-52010	LA109
61200190037	LX265	5573102	OX5D	90080-91058	OC534
61407105	OX30D	6436290	OX218D	90915-03001	OC534
614080740	KX44			90915-03002	OC235
7101070332	OC26	THERMO KING		9091503006	OC275
7121081072	KL222	111690	KX44	90915-10001	OC534
7121190021	LX200	1120265PAPEL	KX35	90915-10003	OC534
79200361087	AL12-DESUM.	112065FELTRO	KX43	9091530002	OC275
99000190075	LX227	112180	OX47D	90915-YZZA3	OC534
99000190137	LX271/2	5D55634H01	LA696		
99012190030	LXS43/1	5D55634H05	LA693	TRINOVA	
99014190033	LX273	5D55634H06	LA692	228468/27	HX51D
SUZUKI		TOP PARTS		TROLLER	
1651003G00X07	OC1018	130001	OC60	2101362002	KL425
95861-65D00-000	LA654/S	130002	OC26		
		130003	OX47D	TUTELA	
TECNOCAR		130004	KX44	A02	LX208/1
OP628	OX71D	130005	KX43	A04	LX903/1
R302	OC47	130010	LX1057	A08	LX904/1
		130015	HC83	A10	LX900/1
		130018	OC18	A14	LX901
		130019	KC107	A16	LX902/1
	OC18	130020	KC113	A18	LX958
	HX51D	130021	OC320	A22	LX963
	KC24	130212	LX236	A24	LX905/1
	OX197D	130213	LXS41/1	A28	LX64
	KL222/KL63	130214	LX275	A30	LX157/1
	OX199D	130215	LXS5/1	A32	LX55
	KC113	130501	OC35	A52	LX236
	KX43			A54	LX1065
	KX35	TOYOTA		A56	LX975
	OC67	11844425	OX43D	A58	LX275
	OX5D	15600-13051	OC534	A60	LX271/2
	OX215D			A62	LX241

TUTELA	MAHLE	TUTELA	MAHLE	VICKERS	
A64	LX273	LC276	OX150D	228468	HX51D
A66	LX970	LH324	HC76	350577	HC84
A68	LX265	LH326	HX15		
A70	LX200	PL132/1	OX5D		
A72	LX243				
A74	LX973				
A76	LX116				
A78	LX1101				
A80	LX1062				
A82	LX1063				
A84	LX93				
CA312P	KL222/KL63				
CB202	KC18				
CB204	KC24				
CB208	KC114				
CB210	KX23				
CB212	KX24				
CD222	KX25				
CD224	KX35				
CD226	KX43				
CD230	KX44				
CD232	KX49				
CG304	KL222				
LB102	HC45				
LB106	OC317				
LB108	OC301				
LB110	OC114				
LB112	OC90				
LB114	OC67				
LB116	OC300				
LB118	OC23				
LB122	OC47				
LB152	OC302				
LB154	OC40				
LB156	OC18				
LB158	OC35				
LB162	OC60				
LB164	OC26				
LB166	OC324				
LB168	OC38				
LB170	KC107				
LB172CAT	OC121				
LB174	OC30				
LC242	OX215D				
LC248	OX197D				
LC250	OX85D				
LC252	OX30D				
LC254	OX199D				
LC256	OX75D				
LC260	OX200D				
LC262	OX18D				
LC264	HX52				
LC266	OX3D				
LC274	OX95D				
		UNIFILTER		VINTO	
		UA578P	LX2713	FT561	OC47
		USH6552	HC101		
		USH6554	HC103		
		USH6582	HC106		
		USH6587	HC107		
		USH6982	HC108		
		USL67	OC529		
		USL670	OC531		
		USL69	OC530		
		USL777	OC532		
		UST325	HC109		
		UST326	HC110		
		VALMET		VME	
		140150	KX43	104926	OX198D
		215390	OC60	12705258	LXS42/1
		215420	OC26	12705260	LX227
		215430	OX47D	162709	OC67
		215450	KX44	1845825	OX85D
		216230	HX15	228468	HX51D
		220530	OC18	3308969	OX18D
		240410	LX1057	3309559	LXS40/1
		291980	LX200	3316074	OC18
		30250100	HX55	3327286	KL222/KL63
		30606000	HC83	3336967	OC301
		3327286	KL222/KL63	3338070	LX273
		3338079	OC35	3338079	OC35
		80061800	LX236	3338478	LXS37/1
		80061900	LX275	3338849	LX271/2
		80062000	LXS5/1	3338850	LXS43/1
		80062100	LXS41/1	3339193	KX43
		80070400	LXS37/1	3339229	LX272
		80270500	LX265	3339238	OX197D
		80504300	LXS42/1	3522507	LX243
		80504400	LX227	3734666	LX200
		81028400	KC107	3735501	LX905/1
		81028800	KC24	3981923	OC324
		81035900	OC320	4111378	KC24
		81248200	KX24	4785610	LX236
		836015106	KX23	4785611	LXS41/1
		836647133	OC335	5203217	HC45
		84340700	LXS295	5205493	HX52
		9455080100	KX35	60369	OX30D
				621128	LX116
				635776	KX23
				63691	OX5D
				71016	OX200D
				71032	OC38
				7323959	OC114
				9455080100	KX35
				946011	OX218D
				949095	KC133
				949096	WFC1
				960698	OC308
		VAUXALL		VOLKSWAGEN	
		4403019	OC309	030115561AF	OC250
		649008	OC115	032129620B	LX977
				03L115562	OX388D

VOLKSWAGEN	MAHLE	VOLKSWAGEN	MAHLE	VOLVO	MAHLE
045115466	OX188D	41822564	LX973	1660903	LXS7233
056115561A	HC45	558261275	KL2	1665937	LXS282
06812/771	KC18	56115562	OC47	1674100	LXS282
071115466	OX188D	56129620	LX208/1	20430751	KC251
074115561	OC105	5Z0 129 620 A	LX708	20559447	LA660
07K129620	LX2093	5Z0129620	LX998	20713630	UX1D
140503286	LX265	5Z0201511A	KL635	20713636	UX1D
140507592	OX214D	6Q0 129 620 B	LX708	20876498	UX2D
140513178	OC114	6Q0129620B	LX709	20876502	UX2D
140518714	KX44	6Q0201051	KL176	20976003	KC251
140523250	OX217D	6Q0201051C	KL156/3	233988	KX35
140524985	OX30D	6Q0201511	KL176/6D	25527	KX44
1819653B	LAK181	6QE 201 511 C	KL583(Plus)	266286	OC204
1H0127401C	KL75	6QE201511	KL84	266286	OC23
1H0819644	LA31	6Y0129620	LX998	3090288	AL12-DESUM.
1H0819644	LA56	70990031	KX23	3162323	LXS282
1J0129620	LX684	71016	OX200D	3340064	KX89/2D
1J0201511A	KL79	71304344	OC23	349619	HX15
1J0819644	LAK63	7500612	KL222	3517857	OC204
1J0819644A	LAK63	7632141102	HX15	3517857-3	OC204
2654403	OC324	8A0819439A	LA45	3989632	KC123
2654407	OC308	905411880009	OC26	418432	OC204
271296201	LX906	905411880011	OC35	418432-1	OC204
2991194	OC67	905412970037	LXS5/1	430143	OC67
2991239	LX1065	9451080065	KC24	463505	LX59
2DR127491	KC121	9455080100	KX35	466176	OX30D
2R0127177A	KC437	983705N	LA652/S	466634-3	OC121
2R0127177B	KC440	M40502767	OX18D	466987	KC24
2R0127177C	KC126	M40510539	LX275	475386	LX93
2R2819429	LA652/S	M40511545	OC301	477556	OC282
2RO127177	KC120	M40519704	LX200	4780961	LX265
2RP127491	KC122	T11129620	LX236	4785610	LX236
2SO129620	LX1056	T11129620A	LXS41/1	4785611	LXS41/1
2TB127401	KC128	T15129620	LX227	4785746	LXS37/1
2TB127491	KC128	T15129620A	LXS225	4785748	LX271/2
2TD127491A	KC118	T15129620C	LXS43/1	4785749	LXS43/1
3251335111	KL223	T2D129620	LX273	478736	OC246
3251335111	KL223/1	T2D129620A	LXS37/1	6612069	OX18D
325261275	KL222/KL63	TEG129620	LX972	6644990	LX227
3313281	OC319	TJG129620	LX971	6882716	OC30
3318157	WFC2	TRA115561	OC320	6886795	LXS7233
357091700	LAK44	ZBA261275B	KL222/KL63	6888848	LX1055/1
377129620	LX909	ZBC261275	KL222	6888857	LXS7231
377133511A	KL237			6889135	KC113
377133511A	KL237/1	VOLVO		8122446	LA138
3873022	OC60	11033128	LX273	8125469	KX89/2D
3903410	KC107	1266186-2	OC204	8128045	LA656
3A0819638	LAK44	1266286	OC204	8143691	LA653
3B0091800	LAK45	1266388	OC204	8143691-7	LA653
401296193	LX903/1	1521527	HX77	8144430	LA653
401296194	LX904/1	1526187	HC45	8149064	LX1587
401296195	LX900/1	1544449	LX1098	8159975	KC124
401296197	LX901	1586882	LX1102	8193841	KC75
4099922	KX43			834337	OC534

VOLVO	MAHLE	VOX	MAHLE	VOX	MAHLE
83912	OX85D	HD3406	LX714	HLP8840	LX735
85108176	HX77	HD3408	LX1069	HM4807	HX50
		HDS2427	LXS230	HP0402	LX912
VOX		HIB2237	HC76	HP0601	LX1067
ARL1603	LX1066	HIB4409	HC82	HP1203	LX1064
FAC009	LA650	HIB4808	HC83	HP1406	LX1097
FAC298	LA45	HIC2236	HX58	HP1407	LX1068
FAC552	LA60	HIC4210	HX52	HP1408	LX1094
FAC797	LA9	HIC4211	OX216	HP2214	LX1096
FB6001	KX43	HIC4408	HX54	HP2221	LX975
FB6002	KX49	HIC5001	HX15	HP2222	LX974
FB6003	KX44	HIC5801	HX53	HP2223	LX910
FB6007	KX36	HIC5804	HX51D	HP2238	LX969
FBA3416	WFC3	HIC5805	HX57D	HP2239	LX972
FBA3610	WFC1	HL2002	LX330	HP2240	LX971
FBA3803	WFC2	HL2004	LX290	HP2424	LX236
FBD0403	KC83	HL2210	LX963	HP2425	LX973
FBD1411	KC46	HL2211	LX905/1	HP3003	LX243
FBD2230	KC18	HL2212	LX64	HP3004	LX227
FBD2231	KL41	HL2213	LX202	HP3007	LX567
FBD3024	KC22	HL2414	LX902/1	HP3008	LX200
FBD3025	KC129	HL2415	LX958	HP3009	LX265
FBD3207	KC24	HL2609	LX272	HP3010	LX273
FBD3208	KC75	HL2611	LX904/1	HP3011	LX1056
FBD3411	KC113	HL2612	LX900/1	HP3204	LX1102
FBD3412	KC94	HL2613	LX901	HP3205	LX93
FBD3607	KC133	HL2614	LX208/1	HP3206	LX1055/1
FBD4207	KC114	HL2809	LX157/1	HP3402	LX241
FBD451	KL425	HL2810	LX55	HP3403	LX271/2
FBD745	KC134	HL2811	LX961	HP3404	LX970
FBS2233	KC120	HLP2205	LX435	HP3405	LX450
FBS3027	KC128	HLP2206	LX687	HP4201	LX1100
FBS3028	KC119	HLP2207	LX962	HP4202	LX116
FBS3034	KC125	HLP2208	LX1095	HP4204	LX1062
FBS3413	KC124	HLP2248	LX1312	HP4209	LX1101
FBS3802	KC121	HLP2404	LX414	HP4403	LX275
FBS460/1 (FBS3026)	KC122	HLP2407	LX523	HP4802	LX1057
FBS6004	KX23	HLP2409	LX448	HP5201	LX17
FBS6005	KX24	HLP2410	LX964	HS2225	LXS227
FBS6006	KX35	HLP2411	LX614	HS2226	LXS226
FCS3414	KX88/1D	HLP2413	LX1316	HS2227	LXS229
FCS3415	KX89/2D	HLP2434	LX1315	HS2228	LXS231
FN3609	KX92D	HLP2604	LX906	HS224	LXS225
FN4208	KX91	HLP2605	LX909	HS2428	LXS41/1
FN4407	KX25	HLP2606	LX405	HS3012	LXS37/1
FS0202	KL185	HLP2607	LX684	HS3013	LXS42/1
FS15	KL796	HLP2608	LX418	HS3409	LXS43/1
FS2215	KL224	HLP2804	LX589	HS4203	LX1063
FS2812	KL239/1	HLP2805	LX453	HS4404	LXS40/1
HD1188	LX712	HLP2806	LX618	HS4405	LXS5/1
HD2426	LX1092	HLP2807	LX907	LB0201	OC115
HD3005	LX1070	HLP2808	LX908	LB0401	OC534
HD3006	LX1093	HLP3001	LX513	LB1202	OC274
		HLP5053	LX1287	LB1402	OC318

VOX	MAHLE	VOX	MAHLE	WEGA	MAHLE
LB1403	OC239	LC3023	OX197D	JFA429	LX1645
LB1404	OC299	LC3605	OX218D	JFA499	LX848
LB1601	OC2	LC3606	OX198D	JFAH12	LX1785
LB2001	OC309	PSH5202	HC85	JFAH13	LX3236
LB2201	OC266	UNO15	KL222/KL63	JFAK22	LX2739
LB2202	OC235	UNO20	KL222	JFC207/2	KX268D
LB2204	OC300			JFC235	KL139
LB2215	OC26			JFC235	KL140
LB2216	OC333	WABCO		JFC452	KL635
LB2217	OC334	4324100201	AL12-DESUM.	JFO213	OC275
LB2218	OC40			JFO409	OC259
LB2219	OC302	WEGA		JFO597	OC1062
LB2220	OC67	AKX1375	LA612	WO331	OC613
LB2401	OC317	AKX1375/C	LAK612	WO541	OC1055
LB2402	OC332	AKX1394/C	LA606	WO612	OC502
LB2403	OC90	AKX1446	LA138	WOE242	OX179D
LB2404	OC81	AKX1956	LA818	WOE630	OX188D
LB2405	OC301	AKX1963	LA655	WOE680	OX388D
LB2406	OC114	AKX1987	LA531	WOE903	OX773D
LB2422	OC324	AKX2102	LA569	WOE905	OX351D
LB2423	OC261	AKX35112	LA87	WOE909	OX827D
LB2601	OC250	AKX35125	LA56	WR192	LX1780/3
LB2602	HC45	AKX35132	LA31	WR244	LX2830
LB2603	OC47	AKX35159	LA117	WR263	LX478/1
LB2801	OC66	AKX35174	LA77		
LB2802	OC272	AKX35321	LA422	WIX	
LB2803	OC23	AKX35321/C	LAK422	24071	WFC1
LB2814	OC35	AKX35323	LA633	24073	WFC2
LB2827	OC259	AKX35347	LA785	33002	KX35
LB2828	OC248	AKX3536/C	LAK11	33006	KC22
LB3002	OC303	AKX3548	LA123	33011	KL222
LB3201	OC121	AKX3556	LA11	33020	KX49
LB3202	OC30	AKX35634/AC	LAK63	33097	KL224
LB3203	OC282	AKX35667	LA81	33111	KX44
LB3401	OC18	AKX3569	LA83	33128	KC46
LB3603	OC320	AKX35723	LA472	33138	KC83
LB3604	OC319	AKX4002	LA650	33161	KL2
LB3801	OC60	FAP1002	LX3109	33167	KX43
LB4401	OC308	FAP9286	LX3304	33199	KL83
LB4402	OC38	FCD2057	KC186	33257	KL223
LB4801	OC335	FCD2058	KC18	33310	KL239/1
LC0404	OX43D	FCD2059	KL445	33352	KC114
LC2229	OX214D	FCD2060	KL422	33353	KC107
LC2429	OX5D	FCD2061	KL425	33358	KC113
LC2430	OX200D	FCD2064	KL316	33467	KL41
LC2431	OX215D	FCD2066/1	KL747	33472	KC18
LC24803	OX47D	FCD2096	KC182	36005	KL225
LC3014	OX85D	FCD2099	KC214	36010BR	KL237
LC3015	OX30D	FCD2207	KC251	42001	LX55
LC3018	OX150D	FCI1630	KL583(Plus)	42021	LX64
LC3019	OX95D	FCI1697	KL582(Plus)	42054	LX902/1
LC3020	OX199D	JFA285	LX1286	42067	LX905/1
LC3021	OX69D	JFA388	LX1821	42126	LX17
LC3022	OX71D	JFA395	LX677		

WIX	MAHLE	WIX	MAHLE	WIX	MAHLE
42135	LX157/1	48155BR	LX1066	51954	OX218D
42266	LX975	48160	LX962	54005	OX71D
42267	LXS231	48175	LX435	54010	OX69D
42295	LX448	48180BR	LX1068	54030	OC250
42313	LX903/1	48185BR	LX1097	54045BR	OC332
42419	LX904/1	48190BR	LX567	54050BR	OC261
42420	LX900/1	48195BR	LX567		
42445	LX202	48205	LX1056		
42453	LX958	48230BR	LX418	WORTHINGTON	
42544	LX910	51003	OC90	156172	KC133
42545	LX973	51010	OX214D	158139	OX218D
42551	LX241	51036	OC81	1845825	OX85D
42564	LX1057	51040	OC317	3080947004	LX200
42572	LX974	51061	OC114	3431847325	OX199D
42575	LX970	51067	OC274	34419000201	LX903/1
42576	LX450	51085	OC23	34419001001	LX273
42608	LX271/2	51088	OC47	34419001301	LX271/2
42891	LXS40/1	51099	OC200D	34419001401	LX265
42892	LXS43/1	51109	OX150D	5573102	OX5D
42897	LXS5/1	51130	OC301	76321411020	HX15
42898	LXS42/1	51142	OX95D	9451080019	KX43
42900	LX208/1	51143	OX215D	9455080100	KX35
42902	LXS41/1	51176	OX5D	FLR230	OX198D
46114	LX414	51188	OX18D		
46117	LX964	51307	OC18	WURTH	
46313	LX272	51310	OX47D	0764048	LAK81
46327	LX405	51312	OC300		
46415	LX1064	51314	HX15	YAMAHA	
46415	LX200	51334	OC318	5HHE445100	LX3110
46430	LX275	51342	HC45		
46515	LX236	51345	OX75D	YANMAR	
46525	LXS37/1	51348	OC534	BT2235110	OC38
46541	LX227	51408	HX57D	BT3335110	HC45
46546	LX243	51459	OC308	BTD2235310	OC60
46547	LX93	51460	OC38	BTD40T12570	LXS40/1
46554	LX265	51468	HX51D	BTD40T12590	LX200
46616	LX972	51515	OC67	YB4148080	HC76
46637	LX687	51602	OC333		
46640	LX589	51607	OC320	ZF	
46641	LX909	51649	OC319	7632141102	HX15
46644	LX523	51712	HC76		
46647	LX906	51727	OX197D		
46648	LX907	51728	OX199D		
46652	LX963	51747	OC303		
46653	LX1065	51748	OC304		
46660	LX901	51750	OX198D		
46661	LX961	51768	OC26		
46694	LX971	51774	OC302		
46741	LX273	51777	OC334		
48005	LX453	51791	OC121		
48010	LX908	51806	OC324		
48030BR	LX1098	51820	OC60		
48035	LX1055/1	51832	OC35		
48150	LX614	51841	OC66		

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