Batteries - Passenger and Light Commercial Vehicles.





Batteries New Zealand

2014

BOSCH

Invented for Life



From the very beginning, Bosch's history has been characterised by a drive for innovation and social commitment. Environmental and social responsibilities are core values at Bosch. Our slogan "Invented for life" conveys the ambitious standards we have set ourselves and the values that we have long stood for. "Invented for life" stands for reliable technology designed and built to last. At the same time it embodies innovations and technology that contribute to the conservation of resources, sustainable development, and helping people improve their quality of life.

The Robert Bosch Stiftung (Robert Bosch Foundation) was established in 1964 to keep alive the philanthropic and social endeavours of its founder Robert Bosch. Through its programs and institutes, the foundation has since issued 840 million euros in project funds. In 2007, it made available 58.9 million euros for non-profit projects. Education, international understanding, and public welfare are the top priorities stated in Robert Bosch's will and are the pillars of our work today.

Responsibility for the environment is a core value at Bosch and is firmly anchored in our principles for safety and environmental protection. Our environmental focuses are on renewable energies, energy efficiency, and emissions reduction. At Bosch we believe we have an obligation to develop innovative and beneficial technology and in order to meet such demands, considerable amounts of money are spent each year on research and development. We employ more than 40,000 research and development associates worldwide, all working towards the creation of technology that is innovative, beneficial and environmentally friendly.

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Batteries

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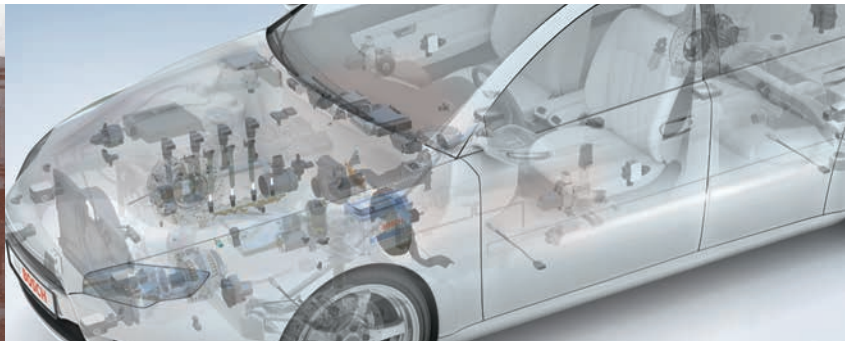
Application

B1 How to Use This Catalogue
B2 Passenger and Light Commercial Vehicles

An explanation of the special cases in the Applications section (section B) can be found on the inside back cover.

The Bosch Automotive Story





The Bosch Group is a leading global supplier of technology and services, with more than 300 subsidiaries and regional companies in over 50 countries.

The beginnings were humble. In 1898 Robert Bosch developed a magneto ignition device and adapted it to suit a vehicle engine. In doing this he developed the first reliable ignition system, solving one of the greatest technical problems faced by the automotive industry at that time. This key innovation was the first chapter in the success story of Bosch as an automotive supplier.

From 1902 Bosch developed a high voltage magneto ignition system incorporating spark plugs. While the magneto ignition has long since been replaced by battery ignition systems, Bosch today manufactures more than 300 million spark plugs per year, using the very latest precious metal technology.

As cars became a product for the masses, Bosch recognised the prospects for developing motor vehicle lighting. Research in this area resulted in the launch of the Bosch automotive lighting system, comprising of headlights, a generator, a regulator and a battery. This was a significant milestone for both Bosch and the industry, being the first all-in-one system available to consumers, and also the basis for components such as starters, horns, windshield wipers, indicators and car heating systems to be developed and added to the business.

From about 1920, the growth of diesel engines in trucks was a concern at Bosch, because diesel engines did not need an ignition system, the company's main sales driver. To capitalise on this technological advance, Bosch began developing diesel injection pumps and in 1936 launched the first diesel injection pump for passenger cars. Today, Bosch is the global leader in diesel technology, whether it be for passenger cars, trucks or injection systems for ships.

In the years that followed, Bosch made numerous developments with other automotive products. Gasoline injection systems were developed from 1935 and by 1967 had all but displaced the carburettor. Braking systems have also been part of the Bosch offering since 1927. The introduction of the Bosch ABS antilock braking system in 1978 was a significant development in vehicle safety, laying a foundation for the development of further systems, such as Traction Control and the Electronic Stability Program (ESP®).

In today's market, vehicle manufacturers and service organisations face the worldwide challenge of efficient service for highly evolved vehicle systems. This includes not only mastering the electronic systems in today's automobiles, but also utilising the latest state-of-the-art diagnostics technologies to improve servicing efficiencies. The growing range of Bosch diagnostic and service equipment delivers a sophisticated solution for today's workshops to meet these challenges.

Bosch spends billions of dollars annually in research and development to preserve its position as a technological leader. The company's technological competence is evident in the fact that Bosch is world leader in the number of automotive technology patent applications it submits each year. Every hour Bosch research teams create new patents to make Bosch products safer, more efficient and more environmentally friendly.

As one of the world's largest independent manufacturers of automotive parts and systems, Bosch products and technology, supplied through a global network of factories, can be found on virtually every make of car currently produced throughout the world. This strong link to original equipment development and innovation means Bosch is able to deliver a superior aftermarket offering to its customers.

With most vehicles on the road incorporating many Bosch manufactured components, it made sense for Bosch to support these products with local service centres. The Bosch Service Network is a group of over 14,000 independent workshops worldwide, offering the latest technical expertise, tools and equipment to motorists.





In just over a hundred years, Bosch successfully transformed from a small automotive supplier into a modern, multinational group, which today has a workforce of more than 300,000 people worldwide.

Bosch employs over 700 associates in Australia and New Zealand with activities spanning three business sectors: Automotive Technology, Consumer Goods and Building Materials, and Industrial Technology.

During the past five decades Bosch has grown into a major force in the Australian automotive industry. Today, Robert Bosch Australia is truly an integrated member of the Bosch global network supplying many customers across both the Oceania region as well as internationally.

In the automotive industry the name Bosch is now synonymous with leading technology, sophisticated service solutions and high quality replacement parts.

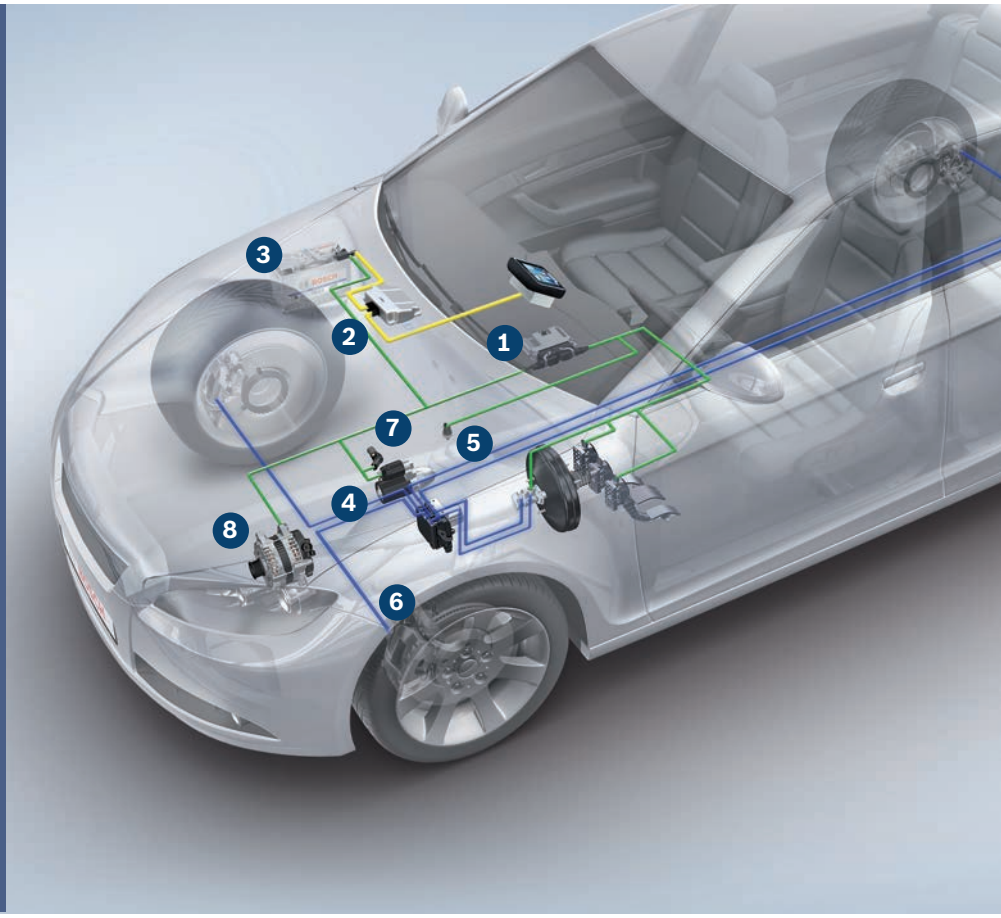


New Battery Technology

**Start-stop system –
For economical motoring**

1. Engine control unit with start/stop
2. DC/DC converter 12 Volt
3. Deep-cycle resistant battery (EFB, AGM) and battery sensor
4. Start-stop starter motor
5. Neutral gear sensor
6. Wheel-speed sensor
7. Crankshaft sensor
8. Alternator with brake energy recuperation

- Current supply 12V
- Communication
- Hydraulic lines/brake systems

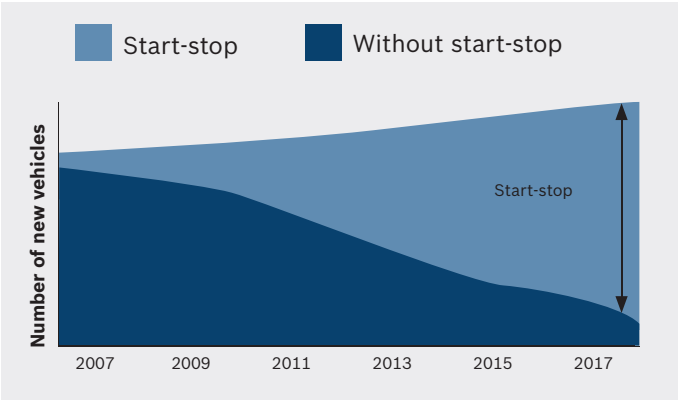


Vehicle systems have changed significantly over the last 20 years. Most new vehicles now have a battery management system which manages the charge level of the battery by switching on and off the alternator. Some new vehicles utilize a battery management system to enable the car to stop when the car is at idle and automatically start when the brake pedal is released. This is called start-stop technology. In order to cope with the high battery load, start-stop vehicles require a specific battery technology: AGM (Absorbent Glass Mat) or EFB (Enhanced Flooded Battery).

There has been a significant increase in the use of start-stop systems over recent years and the technology is no longer just for prestigious vehicles. With the trend towards fuel savings and emission reductions, there is now a significant number of vehicles on the road with start-stop systems. It is estimated that by 2017 the majority of European and a large percentage of North American and Asian manufactured new passenger vehicles will be equipped with start-stop systems.

Start-stop system diagnosis and servicing involve highly specialized work which can best be performed with top class diagnostic technology available from Bosch.

Many new vehicles and most start-stop vehicles require a diagnostic scan tool to program the battery into the electronic control unit of the vehicle.
Bosch can provide the product, tools and support required, to keep ahead of a rapidly changing workshop.

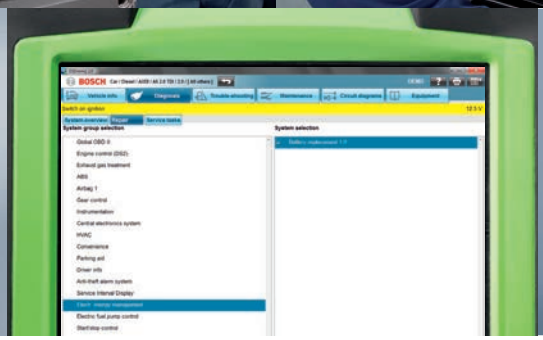


Diagnostic Tools and Training











Diagnostic Scantool
This well-established diagnostic scantool can be used to reset the battery data and enter technical data such as the serial number and capacity of the new battery. The associated Bosch ESI[tronic] diagnostic software covers the majority of relevant vehicles with start-stop systems and also provides technical information such as service and repair instructions, system information and replacement part catalogues.

Battery Testing and Charging
The status of lead acid batteries including AGM types, can be checked using the battery tester BAT 131.

The Bosch battery chargers BAT415, 430 and 490 are available for charging lead acid batteries including AGM types.

Bosch Training
Courses offered by the Bosch Service Training Center on electronic battery management systems provide all the information required for expert handling of new technology.

Training Topics at a Glance:
- Vehicle electrical and charging system fundamentals
- Power management strategies and battery sensing systems
- Alternator interfaces and control signals (DFM etc)
- Modern battery design, replacement (eg; ECU coding, battery type) and modifications
- Practical on-vehicle testing and diagnosis procedures

A list of all training sessions currently available can be found under www.bosch.com.au

Contact Bosch for more information on:
1300 30 70 40
www.bosch.com.au

S Series - Passenger and Light Commercial Vehicle Batteries



The Bosch S3 and S3+ Battery is an economic solution, suitable for a wide range of passenger and light commercial vehicles with few energy consuming components.
It provides dependable starting power and is maintenance free.

The S4 is a mid-range option that meets the electrical demands of a wide range of vehicles. It has high power and capacity capable of delivering dependable power for vehicles with high energy demands and is maintenance free.

The S5 is a premium battery specifically designed with Silver Alloy Technology, which surpasses international standards set by original equipment manufacturers.
Even at extreme temperatures the S5 provides safe and powerful energy supply for highly sophisticated, energy consuming components.

The Bosch S6 features AGM technology (Absorbent Glass Mat), which is one of the latest technologies on the market today. Dynamic recharging capability and up to 4 times the number of discharge / charge cycles compared to conventional starter batteries means that the Bosch S6 with AGM technology meets the toughest requirements. This is a must for start-stop systems but also for vehicles with a high number of electrical convenience functions.

Features/Benefits	S3/S3+	S4	S5	S6 - AGM*
Application (Refer B section)	Low technology vehicle	Medium technology vehicle	High technology vehicle	Only suitable for original equipment AGM applications
Power Output (Refer pg A13)	CCA	CCA	CCA	OE Specification
Technology	Expanded grid Calcium-Calcium technology provides **long service life**	High density expanded grid Calcium-Calcium technology provides **longer service life**	Calcium-Silver technology resists heat and corrosion providing **extra long service life**	Absorbent Glass Mat (AGM) technology provides **high charge acceptance and cyclic ability**
Construction	Labrynth Lid Design	Labrynth Lid Design	Labrynth Lid Design	100% Spillproof
State of Charge Indicator	✓	✓	✓	
Warranty* (Refer pg A31)	24 Month	36 Month	36 Month	24 Month (Start-Stop use), 36 Month (Normal Use)
Extra Features			Approximately 30% higher power than conventional battery	High charge acceptance and deep cyclic ability

*The S6 AGM battery is only suitable for original equipment AGM applications. Refer to application (B) section.

T Series - Heavy Commercial Vehicle Batteries



The Bosch T3/T3+ is the economical choice for Light and Heavy Commercial vehicles without heavy electrical loads.



The T4 is a mid range option, with high cranking power and capacity to cater for extreme conditions and demanding onboard accessories.



Specifically designed with Silver Alloy Technology, the T5 surpasses international standards set by original equipment manufacturers. Even at extreme temperatures the T5 provides safe and powerful energy supply for highly sophisticated, energy consuming components



The Bosch T6 features AGM technology (Absorbent Glass Mat) which is one of the latest technologies on the market today. Dynamic recharging capability and up to 4 times the number of discharge / charge cycles compared to conventional starter batteries means that the Bosch T6 with AGM technology meets the toughest requirements.

Features/Benefits	T3/T3+	T4	T5	T6 - AGM*
Application (Refer B section)	Low technology	Medium technology vehicle	High technology vehicle	Only suitable for original equipment AGM applications
Power Output (Refer pg A13)	CCA	CCA	CCA	CCA
Technology	Expanded grid Calcium-Calcium technology provides **long service life**	High density expanded grid Calcium-Calcium technology provides **longer service life**	Calcium-Silver technology resists heat and corrosion providing **extra long service life**	Absorbent Glass Mat (AGM)
Construction	Labrynth Lid Design	Labrynth Lid Design	Labrynth Lid Design	100% Spillproof
State of Charge Indicator	✓*	✓	✓	✓
Warranty* (Refer pg A31)	12 Month	12 Month	12 Month	12 Month
Extra Features			Approximately 30% higher power than a conventional battery	High charge acceptance and deep cyclic capability

*Part number 68032 from the T3 battery range does not have a state of charge indicator.
*The T6 AGM battery is only suitable for original equipment AGM applications.

M Series - Marine Batteries



Bosch marine batteries are carefully engineered to provide the optimum balance between starting and deep cycling duties. They are also thoroughly insulated to protect against the high frequency vibrations created by rough sea conditions.

Bosch batteries are specifically designed for a range of marine applications that require frequent charge and discharge cycles, in order to perform under extreme conditions.

Bosch has been manufacturing batteries since 1927, so with 85 years of product development, you can be assured of high quality, reliable performance and extreme efficiency.

Selecting the Correct Battery
When selecting a marine battery, you need to calculate the power requirements for engine starting, as well as the current draw of your on board electrical accessories.

For light moderate duty, low amp draw requirement, choose from the Bosch M3 or M5 BDP dual purpose battery ranges, specifically designed to handle both starting and light cycling.

For heavy duty cycling, choose from the Bosch deep cycle M4 or M6 battery ranges. They provide enough cranking amperage to start your engine and the most reserve power to keep your accessories running longer.

You may find you need more than one battery to satisfy your boat power requirements. In this instance, you may utilise one battery as an engine starter, and another as a deep cycle to maintain your equipment.

To ensure you have selected the correct batteries, please contact your local Bosch battery stockist.

D Series - Deep Cycle Batteries



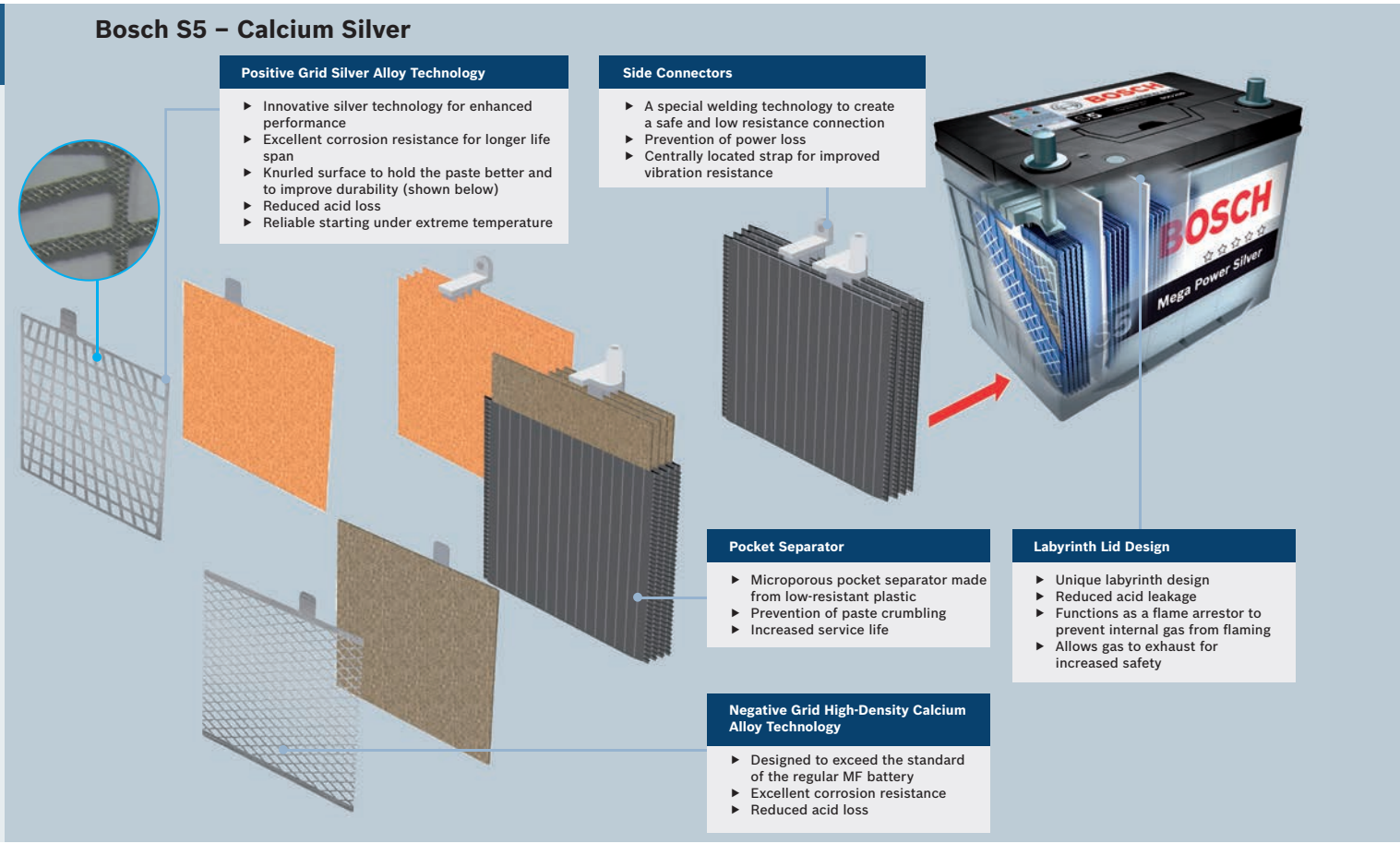
Where are Deep Cycle Batteries used?
Bosch Deep Cycle Batteries are extensively used throughout the service, recreational and electric vehicle industries. With great reliability, they are placed into mobile power consumers such as:

- Caravans
- Boats
- Golf carts
- Motorised disability cars and wheelchairs
- Mobile signal systems and
- Traffic control systems
- Supplementary drive systems amongst other hobby, leisure and industrial applications.

Battery Reliability
Bosch has carefully engineered its range of Deep Cycle Batteries to ensure high cycle stability, guaranteeing a reliable power supply.

These batteries are specifically designed for a range of applications that require frequent charge and discharge cycles, in order to perform under demanding conditions. Bosch has been manufacturing batteries since 1927. With 85 years of product development, you can be assured of high quality, reliable performance and extreme efficiency.

Bosch Battery Technology



Bosch Calcium-Calcium MF Technology
Absolute maintenance free batteries are a further development of conventional lead acid batteries. Both positive and negative grids, consist of a lead calcium alloy and contain no antimony. The use of lead calcium alloy enables the water consumption to be reduced to less than 1gram/Ah compared to conventional lead acid batteries which use greater than 4grams/Ah. During the whole lifespan of a lead acid calcium-calcium battery, no electrolyte needs to be added.

Furthermore, thanks to the lead-calcium alloy used for the plate grids, the 100% maintenance-free battery‘s starting power remains practically unchanged for years.

Batteries equipped with this technology are:
S3, S3+, S4, M3 and M4.

Bosch Calcium-Silver MF Technology
Bosch calcium-silver technology is 100% maintenance and antimony free. In calcium-silver batteries, the positive grid contains calcium and silver alloy. Even at high temperatures the grid is very durable against corrosion due to the silver alloy, resulting in a better lifespan and better resistance to overcharging.

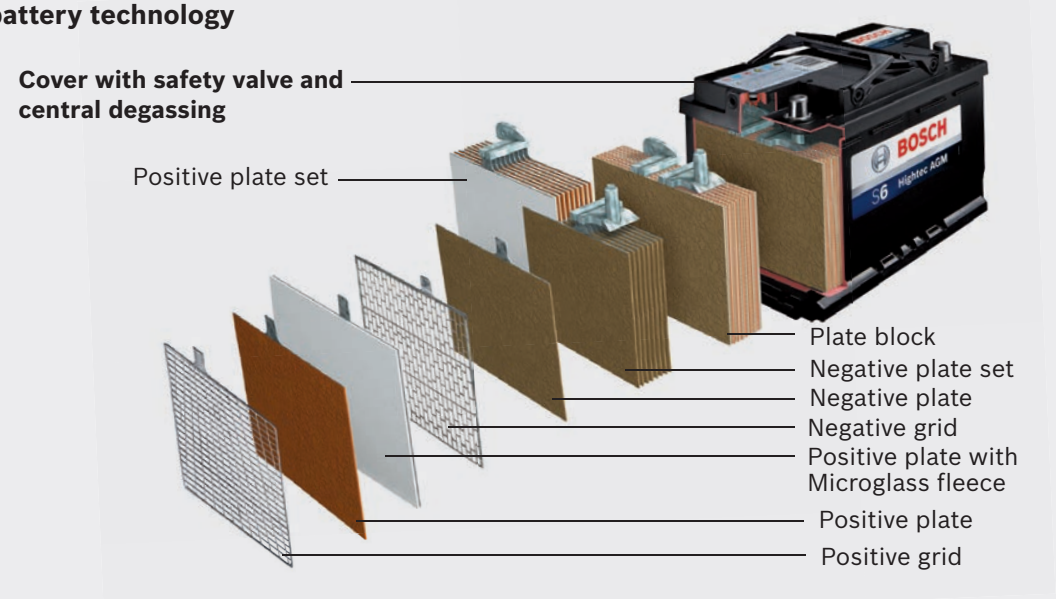
Due to the thin but stronger plate design, calcium-silver technology has approximately 30% higher starting power than conventional batteries.

Batteries equipped with this technology are:
S5 and T5.

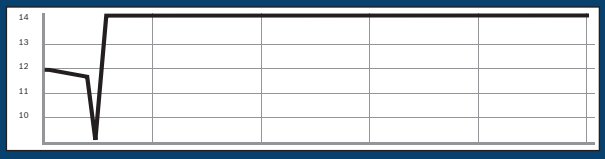
Bosch Labrynth Lid Design with Flame Arrestor
- Minimizes water consumption
- Prevents the spilling of electrolyte if the battery is tipped over for a short period
- Prevents backfiring in case of sparks

Batteries equipped with this technology are:
M3, M4, S3, S3+, S4, S5, T3, T3+, T4, T5.

AGM battery technology

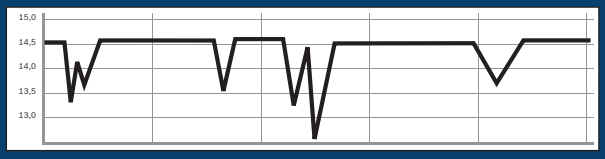


Load diagram - battery in conventional vehicle



Characteristic: A start operation followed by recharging

Load diagram - battery for start-stop system



Characteristic: Large number of start operations, resulting in higher load on the battery

Bosch AGM Technology
AGM technology (absorbent glass mat) batteries are able to fulfill even higher demands required by modern vehicles. Contrary to batteries with free liquid electrolyte, the sulphuric acid in AGM batteries is bound by glass mats, which is used instead of the separators to fill the space between positive and negative plates.

The Advantages of Bosch Batteries with AGM Technology
Constant power even for short distances, stop-and-go traffic or high consumption with the car at a standstill

- Up to 4 times higher deep-cycle resistance in comparison to conventional starter batteries.
- Acid is completely bound in microglass fiber mats
- Excellent charge acceptance
- Excellent cold starting power
- Fully sealed and secured against leaks.
- Maintenance Free
- Original-equipment quality
- Catalogue covering over 150 vehicle models(S6) with AGM technology.

Why must AGM Batteries be Fitted in Start-Stop Systems?
People may try to cut corners on the replacement of AGM batteries as they can be two to three times more expensive than a standard lead acid battery.

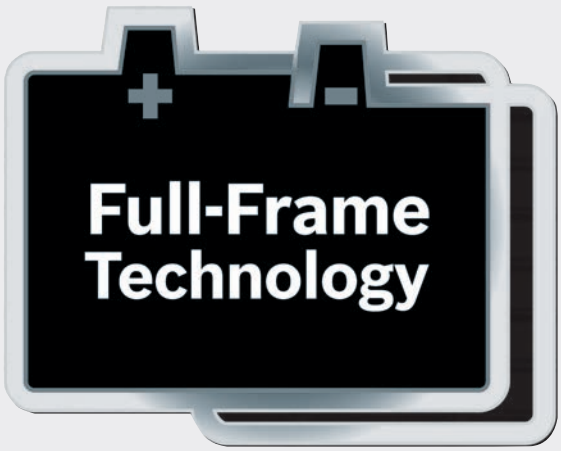
Vehicles with start-stop systems need a battery, which has a high deep cycle resistance and optimal charge acceptance.

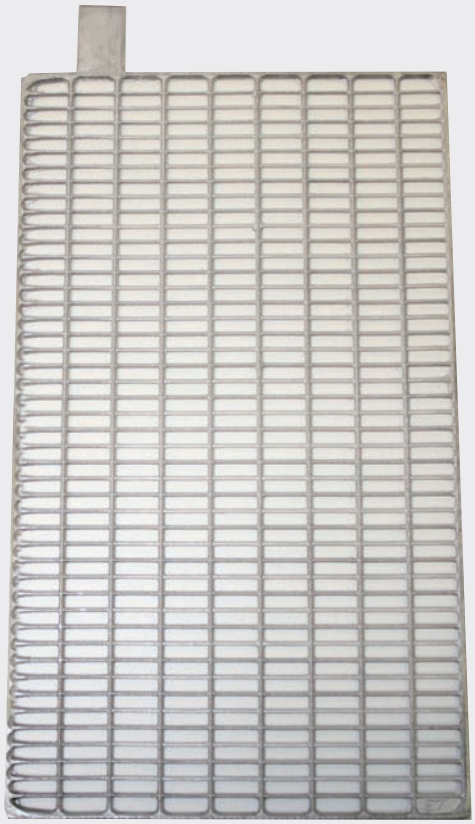
The diagram above displays the difference in battery load between conventional and start-stop vehicles.

Failure to install the correct battery can result in vehicle system breakdown. You cannot replace an AGM battery with a conventional battery.

Batteries equipped with this technology are: M6, S6 and T6.

Bosch Battery Technology





Bosch Full-Frame Technology
Full-Frame Positive and Negative Grids:

- Prevents electrical shorts from exposed wire.
- Provides better current transfers from all sides of the plate for greater starting power.
- Increases grid tensile strength resisting plate growth to safeguard against performance loss over time.
- Reinforced structure better withstands severe service or deep cycling demands.

Grid Design:

- Bosch grids come with more top frame wire connections.
- More top frame connections not only deliver more power directly through the battery, but also significantly increase the tensile strength of the grid.
- An increased tensile strength resists plate growth, which is a leading cause of battery shorts.

Batteries equipped with this technology are:
D Series, M5, M6 and T6.

S Series - Passenger and Light Commercial Vehicle Batteries

Bosch Part Number	Short Order Part Number	20Ah Rate	RC	CCA	Length (mm)	Width (mm)	Total Height (mm)	Terminal	Term Layout	Base hold down	Technology
S3											
0986A00228	56638	66	110	580	278	175	190	STD	A	B3	Cal Cal
0986A00443	56640	66	110	580	278	175	190	STD	B	B3	Cal Cal
0986A00404	40B19L	35	49	300	187	127	226	SMALL	A	B0	Cal Cal
0092S37010	40B19LS	35	49	300	187	127	226	STD	A	B0	Cal Cal
0986A00405	40B19R	35	49	300	187	127	226	SMALL	B	B0	Cal Cal
0092S37011	40B19RS	35	49	300	187	127	226	STD	B	B0	Cal Cal
0986A00415	55D26L	60	100	500	260	173	222	STD	A	B0	Cal Cal
0986A00414	55D26R	60	100	500	260	173	222	STD	B	B0	Cal Cal
0986A00417	75D31L	75	120	630	303	173	225	STD	A	B0	Cal Cal
0986A00416	75D31R	75	120	630	303	173	225	STD	B	B0	Cal Cal
0092S37015	AU22-530DF	56	95	530	231	169	211	DF	A	B0	Cal Cal
S3+											
0092S37130	54316	43	75	400	209	175	175	STD	A	B3	Cal Cal
0092S37132	55065	50	80	400	209	175	190	STD	B	B3	Cal Cal
0092S37131	55066	50	80	400	209	175	190	STD	A	B3	Cal Cal
0092S37133	55457	54	90	500	244	175	175	STD	A	B3	Cal Cal
0092S37134	55458	54	90	500	244	175	175	STD	B	B3	Cal Cal
0092S37137	56217	62	95	580	244	175	190	STD	B	B3	Cal Cal
0092S37136	56219	62	95	580	241	174	188	STD	A	B3	Cal Cal
0092S37135	56318	63	110	540	279	175	175	STD	A	B3	Cal Cal
0092S37480	57013	70	110	770	277	174	188	STD	B	B3	Cal Cal
0092S37140	58014	80	135	730	313	174	174	STD	A	B3	Cal Cal
0092S37141	58515	85	165	750	354	175	175	STD	A	B3	Cal Cal
0092S37481	59095	90	160	912	314	175	190	STD	B	B3	Cal Cal
0092S37152	22F-520	60	95	520	241	173	205	STD	A	B9	Cal Cal
0092S37153	22F-520DF	60	95	520	241	173	205	DF	A	B9	Cal Cal
0092S37154	22FR-520	60	95	520	241	173	205	STD	B	B9	Cal Cal
0092S37142	55B24L	45	80	430	238	129	227	SMALL	A	B0	Cal Cal
0092S37144	55B24LS	45	80	430	238	129	227	STD	A	B0	Cal Cal
0092S37143	55B24R	45	80	430	238	129	227	SMALL	B	B0	Cal Cal
0092S37145	55B24RS	45	80	430	238	129	227	STD	B	B0	Cal Cal
0092S37147	55D23L	55	90	550	230	173	225	STD	A	B7	Cal Cal
0092S37146	55D23R	55	90	550	230	173	225	STD	B	B7	Cal Cal
0092S37155	AU22R-520	60	95	520	241	173	205	STD	B	B0	Cal Cal
0092S47077	U1-260	26	33	260	197	130	186	LUG	B	B0	Cal Cal
0092S47078	U1R-260	26	33	260	197	130	197	LUG	A	B0	Cal Cal

Bosch Part Number	Short Order Part Number	20Ah Rate	RC	CCA	Length (mm)	Width (mm)	Total Height (mm)	Terminal	Term Layout	Base hold down	Technology
S4											
0092S47043	60038	100	170	800	354	175	190	STD	A	B3	Cal Cal
0092S47066	22F-610	55	90	610	240	172	205	STD	A	B9	Cal Cal
0092S47069	22F-610FD	55	90	610	240	172	209	DF	A	B9	Cal Cal
0092S47067	22FR-610	55	90	610	240	172	205	STD	B	B9	Cal Cal
0092S47071	22NF-330D	40	60	330	238	134	204	DF	G	B9	Cal Cal
0092S47085	50D20L	50	80	500	208	173	219	STD	A	B7	Cal Cal
0092S47045	65-7MF	85	160	850	302	185	192	STD	B	B8	Cal Cal
0092S47028	80D23L	70	120	560	229	172	225	STD	A	B7	Cal Cal
0092S47029	80D23R	70	120	560	229	172	225	STD	B	B7	Cal Cal
0092S47030	90D26L	75	140	620	260	172	225	STD	A	B7	Cal Cal
0092S47031	90D26R	75	140	620	260	172	225	STD	B	B7	Ca Cal
S5											
0092S57046	560.035	60	95	600	244	175	175	STD	A	B3	Cal Silver
0092S57047	574.035	74	120	680	279	175	190	STD	A	B3	Cal Silver
0092S57048	574.135	74	120	680	279	175	190	STD	B	B3	Cal Silver
0092S57049	575.035	75	120	680	279	175	175	STD	A	B3/B4	Cal Silver
0092S57026	110D26L	90	160	680	260	172	225	STD	A	B7	Cal Silver
0092S57027	110D26R	90	160	680	260	172	225	STD	B	B7	Cal Silver
0092S57030	22F-680	60	105	680	240	172	205	STD	A	B9	Cal Silver
0092S57031	22FR-680	60	105	680	240	172	205	STD	B	B9	Cal Silver
0092S57032	46B19L	45	63	370	186	127	225	SMALL	A	B0	Cal Silver
0092S57033	46B19R	45	63	370	186	127	225	SMALL	B	B0	Cal Silver
0986A02234	90D23L	75	125	650	229	172	225	STD	A	B7	Cal Silver
0986A02235	90D23R	75	125	650	229	172	225	STD	B	B7	Cal Silver
0986A02340	DIN110	110		920	394	174	188	STD	A	B3	Cal Silver
S6											
0092S67050	LN1	50		560	206	174	189	STD	A	B3	AGM
0092S67051	LN2	60		680	240	174	189	STD	A	B3	AGM
0092S67052	LN3	70		760	276	174	189	STD	A	B3	AGM
0092S67053	LN4	80		800	314	174	189	STD	A	B3	AGM
0092S67054	LN5	95		850	352	174	189	STD	A	B3	AGM

T Series - Heavy Commercial Vehicle Batteries

Bosch Part Number	Short Order Part Number	20Ah Rate	RC	CCA	Length (mm)	Width (mm)	Total Height (mm)	Terminal	Term Layout	Base hold down	Technology
T3											
0092S37070	68032	180	370	1000	508	222	220	STD	E	B0	Cal Cal
0092S37072	73011	230	430	1100	518	273	241	STD	E	B0	Cal Cal
0986A00386	95E41	100	180	830	410	175	235	STD	B	B0	Cal Cal
0986A00388	115F51	120	230	900	505	183	240	STD	D	B0	Cal Cal
0986A00389	145G51	150	300	1000	508	222	241	STD	D	B0	Cal Cal
0986A00390	190H52	200	430	1150	523	279	248	STD	D	B0	Cal Cal
T3+											
0092S37156	31-900	100	160	900	330	173	239	STD	G	B0	Cal Cal
0092S37157	31-900T	100	160	900	330	173	239	Threded	G	B0	Cal Cal
0092S37149	95D31L	90	160	710	306	173	225	STD	A	B7	Cal Cal
0092S37148	95D31R	90	160	710	306	173	225	STD	B	B7	Cal Cal
T4											
0092S47032	105D31L	90	160	710	305	172	225	STD	A	B7	Cal Cal
0092S47033	105D31R	90	160	710	305	172	225	STD	B	B7	Cal Cal
0092S47061	N100	110	190	700	406	172	231	STD	B	B0	Cal Cal
0092S47062	N120	135	245	1005	503	182	231	STD	A	B0	Cal Cal
0092S47063	N150	150	300	1050	507	213	231	STD	A	B0	Cal Cal
0092S47036	N200L	210	440	1300	510	275	238	STD	D	B0	Cal Cal
0092S47064	N200R	210	440	1300	510	275	238	STD	E	B0	Cal Cal
T5											
0092S57028	125D31L	92	165	760	305	172	225	STD	A	B7	Cal Sil
0092S57029	125D31R	92	165	760	305	172	225	STD	B	B7	Cal Sil
T6											
0092L57029	B9A31	100	190	925	330	171	241	3/8”x 16 Stud			FF, AGM

M Series - Marine Batteries

Bosch Part Number	Short Order Part Number	20Ah Rate	RC	CCA	Length (mm)	Width (mm)	Total Height (mm)	Terminal	Term Layout	Base hold down	Technology
M3											
0092S37024	HCM24-600	80	140	600	260	174	225	TM	B	B7	Cal Cal
0092S37025	HCM27-700	95	160	680	304	174	225	TM	B	B7	Cal Cal
0092S37026	HCM31-850	110	200	830	330	173	240	TM	B	B7	Cal Cal
M4											
0092S47074	DCM24	70	120	500	275	172	229	TM	B	B7	Cal Cal
0092S47075	DCM27	80	145	570	320	172	229	TM	B	B7	Cal Cal
0092S47076	DCM31	100	180	625	330	172	234	TM	G	B0	Cal Cal
M5											
0092N57001	BDC24	75		500	273	137	238	TM	B	B0	FF
0092N57003	BDC27	90		575	318	171	238	TM	B	B0	FF
0092N57004	BDC31DT	105		650	330	183	238	TM	B	B0	FF
0092N57000	BDP24	65		550	273	171	238	TM	B	B0	FF
0092N57002	BDP27	80		650	318	171	238	TM	B	B0	FF
M6											
0092L57025	B8A24	79	135	525	276	171	251	TM	B	B0	FF, AGM
0092L57026	B8A27	92	175	580	324	171	251	TM	B	B0	FF, AGM
0092L57027	B8A31DT	105	200	800	329	171	238	TM	B	B0	FF, AGM
0092L57028	B8A8D	245	480	1450	527	279	254	TM	D	B0	FF, AGM

D Series - Deep Cycle Batteries

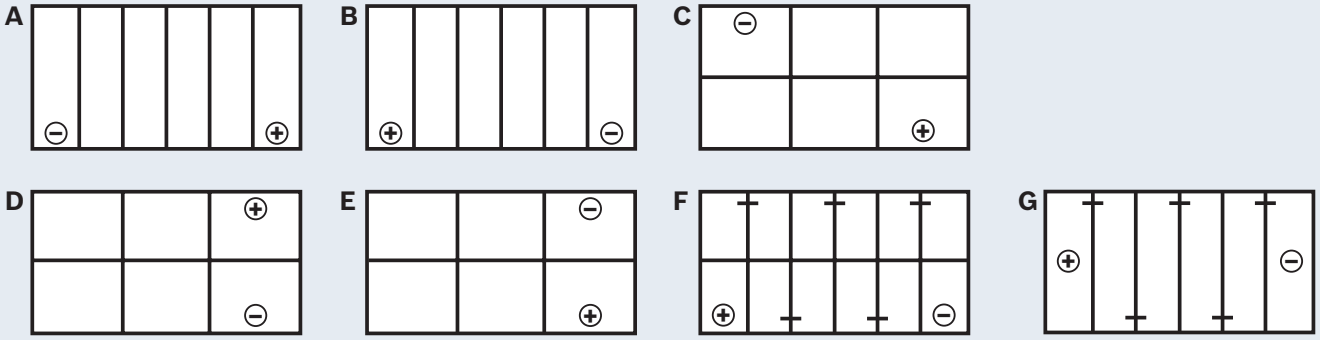
Bosch Part Number	Short Order Part Number	20Ah Rate	RC	CCA	Length (mm)	Width (mm)	Total Height (mm)	Terminal	Term Layout	Base hold down	Technology
DC											
0092L57014	B8C11	235			298	178	292				FF
0092L57019	B8C12	195			394	178	362				FF
0092L57016	B8C6V	330			298	178	365				FF
0092L57017	B8L16	370			298	178	419				FF
0092L57015	B9C11	250			298	178	292				FF
0092L57020	B9C12	228			394	178	362				FF
0092L57010	BGC15	230			260	181	276				FF
0092L57011	BGC25	235			260	181	276				FF
0092L57012	BGC45	255			260	181	302				FF
0092L57013	BGC8V	165			260	181	283				FF

Abbreviations and Layouts

Abbreviations

B0	No bottom hold down
B1	2 bottom hold-downs 10.5mm high on long sides
B3	4 bottom hold-downs 10.5mm high on all four sides
B4	2 bottom hold-downs 19mm high on long sides
B3/B4	B4 BHD available with adaptor on long sides
B7	2 bottom hold-downs 9.7mm high on long sides
B9	4 bottom hold-downs 9.7mm high on long sides, 29mm on short sides
BN	Bolt nut terminal
DF	Dual fit terminal
SM	Small terminal
STD	Standard terminal
TM	Twin marine
AGM	Absorbent Glass Matt
Cal Cal	Calcium Calcium
Cal Sil	Calcium Silver
FF	Full Frame

Assembly Layout



Product Interchange List

AC Delco	Bosch	AC Delco	Bosch	Century	Bosch
12N243WC	U1R-230	S54316	54316	41	22NF-330D
12N244WC	U1-230	S54459	55066	43	22NF-330D
22F530SMF	22F-520	S54464	55065	46	22FR-520
22F530SMFDF	22F-520DF	S54519	55457	47	22F-520DF
22F600SMF	22F-610	S55066	55066	51	22NF-330D
22F600SMFDF	22F-610FD	S55457	55457	53	22NF-330D
22F660SMF	22F-680	S55458	55458	57	22FR-520
22F660SMFDF	22F-610FD	S55B24L	55B24L	58	22F-520DF
22F66WC	22F-520DF	S55B24LS	55B24LS	67	22FR-520
22FR530SMF	22FR-520	S55B24R	55B24R	68	22F-520DF
22FR600SMF	22FR-610	S55B24RS	55B24RS	4D-N150Z	145G51
22FR660SMF	22FR-680	S55D23L	55D23L	50D20L	50D20L
22FR66WC	22FR-520	S55D23R	55D23R	55D23L	55D23L
55457WC	55457	S56030	56219	55D23LMF	55D23L
55458WC	55458	S56640	57013	55D23R	55D23R
55D23LWC	55D23L	S56220	55457	55D23RMF	55D23R
55D23RWC	55D23R	S56318	56318	57EF	AU22R-530
56318WC	56318	S56330	56318	58EB	AU22-530DF
56330WC	56318	S56638	56638	58VT	22F-520
56338WC	56638	S56640	56640	67EF	AU22R-530
58515WC	58515	S56820	56318	68VT	22F-610
58827WC	60038	S57220	574035	86ZMF	31-900
60044WC	60038	S58014	58014	86ZTMF	31-900T
AU22530SMFDF	AU22-530DF	S58515	58515	8DMF 1200	N200L
AU2266WC	AU22-530DF	S58827	60038	8D-N200Z	190H52
AU22R530SMF	AU22R-530	S60038	60038	DIN44LMF	54316
AU22R66WC	AU22R-530	S70D23L	80D23L	DIN53LHMF	56219
N100WC	N100	S70D23R	80D23R	DIN53LMF	55457
N200WC	N200R	S75D31L	95D31L	DIN53RMF	55458
NS40ZLSWC	40B19LS	S75D31R	95D31R	DIN65LHMF	56638
NS40ZLWC	40B19L	S80D26L	90D26L	DIN65LMF	56318
S59542	59095	S80D26R	90D26R	DIN75LMF	58014
NS40ZSWC	40B19RS	S95D31LHD	95D31L	DIN85LMF	58515
NS40ZWC	40B19R	S95D31RHD	95D31R	DIN92LMF	60038
NX1105LWC	90D26L	SN100	95E41	M96-12MF	54316
NX1105WC	90D26R	SN100	N100	N100MF	N100
NX1207LWC	95D31L	SN120L	115F51	N120MF	115F51
NX1207WC	95D31R	SN150L	145G51	N150MF	145G51
S1110H	31-930	SN200	N200R	N200MF	190H52
S1111H	31-901	SN200L	190H52	N70LMF	95D31L
S1150	31-930	SN200L	N200L	N70MF	95D31R
S1151	31-901	SU160	U1-260	N70ZZ	95D31R
S31900MF	31-930T	SU1R60	U1R-260	N70ZZ4WD	95D31R
S31901MF	31-901			N70ZZL	95D31L
S40B20L	40B19L			N70ZZL4WD	95D31L
S40B20LS	40B19LS			NS40Z	40B19R
S40B20R	40B19R			NS40ZL	40B19L
S40B20RS	40B19RS			NS40ZLS	40B19LS
S50D20L	50D20L			NS40ZLSX	46B19L

Product Interchange List

Century	Bosch	Exide	Bosch	NRMA/RACV	Bosch
NS40ZLX	40B19L	31-950	31-900	1121	40B19RS
NS40ZS	40B19RS	31-950C	31-900T	1122	40B19L / LS
NS40ZSX	46B19R	40C	40B19LS	1123	40B19R
NS40ZX	40B19R	40CP	40B19L	1124	40B19L
NS60	55B24R	40D	40B19RS	1131	22NF-330D
NS60L	55B24L	40DP	40B19R	1132	22NF-330D
NS60LS	55B24LS	43C	22NF-330D	1171	22FR-520
NS60S	55B24RS	43D	22NF-330D	1172	22F-520DF
NS70	55D26R	50D20L	50D20L	2135	55B24RS
NS70L	55D26L	55D23C	55D23L	2136	55B24LS
NS70LMF	110D26L	55D23D	55D23R	2175	22FR-520
NS70LX	90D26L	55H	56219	2176	22F-520DF
NS70MF	110D26R	66H	56638	2342	40B19L / LS
NS70X	90D26R	DIN44	54316	2382	46B19L
U1MF	U1R-260	DIN55	55457	2381	46B19R
U1RMF	U1-260	DIN66	56318	2501	22FR-530
		DIN77	58014	2502	22F-520DF
		DIN88	58515	2503	AU22R-530
		LM40C	40B19LS	2504	22F-520DF
		LM43C	22NF-330D	2541	22FR-610
		LM43D	22NF-330D	2542	22F-610FD
		N05	U1R-260	2543	55D23R
		N06	U1-260	2544	55D23L
		N120	115F51	2585	22FR-610
		N150	145G51	3372	54316
		N200	190H52	3551	55458
		N200	N200L	3552	55457
		N50EX	55D26R	3662	56318
		N50ZZ	90D26R	3666	574135
		N50ZZL	90D26L	3882	58515
		N70EX	95D31R	3884	60038
		N70EXL	95D31L	4052	U1R-230
		N70ZZ	95D31R	4061	U1-230
		N70ZZL	95D31L	4061	U1-260
		SN70ZZ	95D31R	4503	110D26R
		SN70ZZL	95D31L	4503	90D26R
		X40C	40B19LS	4504	110D26L
		X40CP	40B19L	4504	90D26L
		X40D	40B19RS	4703	105D31R
		X40DP	40B19R	4703	95D31R
		X55D23C	80D23L	4704	125D31L
		X55D23D	80D23R	4704	95D31L
		X60C	55B24LS	4704	105D31L
		X60CP	55B24L	4705	105D31R
		X60D	55B24RS	4705	125D31R
		X60DP	55B24R	4705	95D31R
				4922	115F51
				4952	145G51
				4998	N200L

Product Interchange List

RAA	Bosch	Supercharge	Bosch
1344	54316	MF31-930	31-900T
1350	22FR-520	MF31-931	31-900
1351	22F-520DF	MF40B20DF	46B19L / R
1353	22F-520	MF43	22NF-330D
1358	60038	MF44	54316
1405	U1R-260	MF50	22FR-610
1406	U1-260	MF51	22F-610FD
1412	115F51	MF52	22F-610FD
1415	145G51	MF54	AU22R-530
1420	N200L	MF55	55457
1444	55066	MF55	560035
1931	31-901	MF55B24L	55B24L
3051	40B19RS	MF55B24LS	55B24LS
3052	40B19LS	MF55B24R	55B24R
3053	40B19L	MF55B24RS	55B24RS
3054	40B19R	MF55R	55458
3103	22NF-330D	MF66	575035
3104	22NF-330D	MF66H	574135
3112	95D31L	MF75D23L	80D23L
3118	95D31R	MF75D23R	80D23R
4603	AU22-530DF	MF77	58014
4604	AU22R-530	MF80D26L	110D26L
4605	AU22R-530	MF80D26R	110D26R
4606	AU22-530DF	MF88	58515
4607	22F-520	MF88H	60038
7700	59095	MF95D31L	95D31L
5000	55D26R	MF95D31R	95D31R
5001	55D26L	MFN120	115F51
5043	50D20L	MFN150	145G51
5240	55B24R	MFN200	190H52
5241	55B24L	MFN200	N200L
5242	55B24LS	MFU1	U1R-260
5246	55B24RS	MFU1R	U1-260
5500	55457	N200P	N200R
5543	55D23L	N50D20L	50D20L
5545	55458	N55	55457
6100	22FR-610	N55D23L	55D23L
6558	56219	N55D23R	55D23R
6600	575035	N66	56318
6668	574035	N70ZZ	95D31R
7000	75D31R	N70ZZL	95D31L
7001	75D31L	N88	58515
7003	95D31R	NS40ZAL	40B19LS / RS
7004	95D31L	NS40ZL	40B19L / R
7077	57013	NS50P	22FR-530
7231	80D23L	NS50PL	22F-530DF
7232	80D23R	NS50PLX	22F-520DF
8026	90D26R	NS50Z	22FR-520
8027	90D26L	NS50ZL	22F-520DF
8624	31-900	NS70	90D26R
8800	58515	NS70L	90D26L

Product Interchange List

Yuasa	Yuasa Alt Ref	Bosch	Yuasa	Yuasa Alt Ref	Bosch
005	65D23L	55D23L	156	46B24L	55B24L
008	50D20L	50D20L	157	46B24R	55B24R
012	54459	55066	334	58522	95D31R
014	65D23R	55D23R	335	58521	95D31L
017	58827	60038	618	115E41R	N100
019	60038	60038	623	64318	145G51
024	58515	58515	624	70029	190H52
027	56219	56219	632	72512	N200R
030	75D26L	90D26L	640	GR31A	31-900
031	75D26R	90D26R	895	53030	U1R-260
038	53880	22NF-330D	896	53030	U1-260
053	46B24L	55B24LS	012T	55007	55066
054	34B19L	40B19L / LS	019T	60038	60038
055	32B19R	40B19R / RS	027T	56219	56219
056	40B19L	40B19L / LS	063T	54465	54316
057	46B24R	55B24RS	075T	56077	560035
063	54409	54316	096T	57515	574035
065	55519	55457	100T	57113	575035
075	56077	55457	110T	58043	58014
077	54464	55065		HJ-S34B20R	40B19R
078	55565	56217		HJ-S34B20L	40B19L
086	57233	574135		HJ-S46B24R	55B24R
096	57412	56638	086	57233	57013
100	57113	575035			
110	58043	58014			

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Technical Information

1. Introduction

The Technical Information section provides essential information on the operation, characteristics, design, handling and charging of lead-acid batteries as well as the correct procedures for using, stocking and maintaining batteries for road vehicles. In addition, it provides information on the main areas of care needed to be taken for the safety of staff who work with Bosch batteries.

1.1 Safety Warnings and Standards



Observe the information on the battery, the battery's operating manual and the vehicle's operating manual.



Wear eye protection when working on the battery.



Keep batteries and battery acid out of reach of children.



Fire, sparks, naked flames and smoking are prohibited:

- Avoid creating sparks when handling cables and electrical equipment as well as those caused by electrostatic discharge.
- Avoid short-circuits. Never connect the positive terminal to the negative terminal of the same battery because it will cause a short circuit. A short circuit can cause burns, fire or the explosion of the battery.
- Clean with damp cloth only and wear appropriate clothing. Dry cleaning cloth might become electrically charged and produce sparks.



Danger of explosion:

- An explosive oxyhydrogen gas mixture is formed when batteries are charged. Explosive gases can cause blindness and injury.



Corrosive hazard:

- Battery acid is extremely corrosive. The acid can cause burns and blindness. Under normal operation conditions, there should be no contact with the electrolyte (diluted sulphuric acid). Please note that when the battery casing of a battery with fixed electrolyte is destroyed or damaged, bound electrolyte in glass fibre mats or jellified electrolyte is as corrosive as when liquid.
- Wear protective gloves and goggles.
- Do not tilt the battery permitting acid to leak out of vent openings.



First aid:

- Should drops of acid come into contact with eyes, rinse for several minutes using clear water before consulting a doctor immediately.
- Drops of acid on the skin or clothes should be neutralized immediately using acid neutralizer or soap suds and rinsed with plenty of water.
- If acid is swallowed, drink plenty of water and consult a doctor immediately.



Warning:

- The enclosure becomes brittle with time, therefore: Do not expose batteries to direct sunlight.
- Discharged batteries can freeze so store in a place where they are protected from frost.
- It is dangerous to use tools such as hammers on the battery terminal when connecting cables.
- Never rub with dry cloth on the battery casing. This might produce sparks because of electrostatic discharges and can cause an explosion.



Disposal:

- Dispose old batteries at an approved battery collection point.
- Never dispose old batteries as household waste.
- If a battery with glass fibre materials is destroyed or damaged, the released fibre material must be disposed in line with the official local regulations.
- Do not let electrolyte penetrate into the sewage system, the soil or into groundwater.



Corrosive hazard:

- The item is hazardous according to the criteria of Work Safe Australia.

Technical Information

2. Battery Recharging Procedure

2.1 Battery Charging Indicators

Charging of the battery is required when the:

- Storage period is more than 6 months without charging.
- Colour of state of charge (SOC) indicator turns black.
- Battery open circuit voltage (OCV) is less than 12.4V.

Note: Using an automatic battery charger is recommended. Recharging with a constant current or voltage charger without any automatic switch off or switch over to another charge curve is not recommended.

2.2 Steps Prior to Charging

- Wear protective glasses whilst handling the battery.
- Do not carry out charging near fire or spark.
- Do not charge damaged or frozen battery.
- Boost charge is not recommended.
- If the battery has accessible screw-in plugs, check the electrolyte level in each cell and top up with distilled water if necessary.
- Do not switch on the charger until battery has been connected. Do not switch off the charger until charging is complete.

2.3 Steps prior to charging multiple batteries in series

- Position the batteries so that there is a space of at least 20mm between them.
- Only use batteries with the same capacity and same state of charge in the same circuit. This prevents the slightly discharged batteries from being overcharged when connected to the same circuit as a battery that needs a longer time to recharge.
- Batteries must always be connected in series, that is, the positive pole of a battery should be connected to the negative pole of the neighbouring battery, thus the positive pole of the first battery and the negative pole of the last battery will always be open.
- All of the batteries for recharging should have their density and/or open voltage checked, so that the batteries could be grouped (based on state of charge) for the purpose of placing them in the right circuit for the recharging process.

Warning: Never connect the positive pole to the negative pole of the same battery or in the same series, as this will cause a short circuit.
Check that the connections (lugs) make good contact by twisting them slightly while pressing them onto the pole.

2.4 Recharging with a Constant Current

Only recharge with a constant current if unavoidable.
When recharging the battery with a constant current, the voltage will increase slowly during the recharging. Towards the end, the voltage increases rapidly and the process should be stopped at the voltage value limit.

Example: 45Ah battery.

Recharging Current: 45 x 0.1 = 4.5A (10% of the nominal capacity of the battery).
The recharging time depends on the state of charge of the battery.

OCV in stable condition	State of charge	Battery capacity (20Ah)					
		35-40Ah	41-50Ah	51-65Ah	66-75Ah	76-90Ah	91-110Ah
12.5 - 12.59	70%	3Amps x 4hrs	4Amps x 4hrs	5Amps x 4hrs	6Amps x 4hrs	6Amps x 4hrs	7Amps x 4hrs
12.4 - 12.49	60%	3Amps x 6hrs	4Amps x 6hrs	5Amps x 6hrs	6Amps x 6hrs	6Amps x 7hrs	7Amps x 7hrs
12.3 - 12.39	50%	3Amps x 8hrs	4Amps x 8hrs	5Amps x 8hrs	6Amps x 8hrs	6Amps x 9hrs	7Amps x 10hrs
12.2 - 12.29	40%	3Amps x 10hrs	4Amps x 10hrs	5Amps x 10hrs	6Amps x 10hrs	6Amps x 12hrs	7Amps x 12hrs
12.1- 12.19	30%	3Amps x 13hrs	4Amps x 12hrs	5Amps x 12hrs	6Amps x 12hrs	6Amps x 14hrs	7Amps x 15hrs
Below 12.09	20%	3Amps x 15hrs	4Amps x 14hrs	5Amps x 14hrs	6Amps x 14hrs	6Amps x 16hrs	7Amps x 17hrs

Warning: The battery temperature must not exceed 50°C during the recharging process.

Note:

- The above table shows approximate Ah and charging hours needed for recharging according to the battery capacity and the OCV under a constant current charging method. Accordingly, the Ah or the charging hours may be adjusted depending on the type and the state of the charged battery.
- Always charge the battery according to the amount of charge needed. Prolonged charging times, especially with a constant current, could cause the battery to become overcharged, causing an unnecessary loss of water in the process.
- Avoid quick charges that are done without controlling the temperature, current or time.
- Some batteries below 12.1V can be hard to re-charge due to the long time elapsed since the last re-charge. It is very difficult to recover its original performance.

2.5 Recharging with a Constant Voltage

When using this charging method, the initial current applied to the battery should be limited to 25A and the voltage to 14.4V.
The battery charging time will vary according to its state of charge, as shown in the table below:

Technical Information

Battery voltage when empty (volts)	Recharging Time (hours)
12.00 to 12.20	6 to 12
11.80 to 11.99	10 to 16
11.50 to 11.79	16 to 20
11.00 to 11.49	20 to 24
Deeply discharged batteries	24 to 30

Warning: the battery temperature must not exceed 50°C during the recharging process.

2.6 Actions During and After Recharging

- **Electrolyte Temperature**
  The electrolyte temperature, hence the battery container temperature must not exceed 50°C. The recharging process should be stopped if this temperature is exceeded.
  The process may be resumed once all batteries in the recharging circuit reach 45°C or less.
- **Rest Time**
  We recommend waiting approximately 20 minutes to allow gases to dissipate before removing the leads from the batteries, as some chargers remain in a charged state and can generate sparks. Replace the vent caps and gas tubes if they were removed. Wash the battery using warm water and dry it.

3. Battery Usage and Defects

3.1 Jump Start

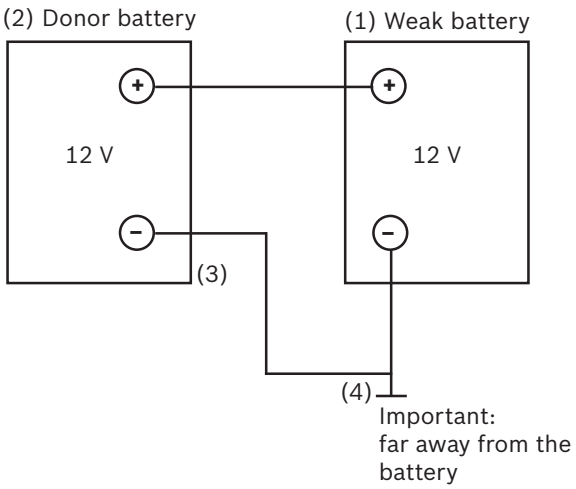
When performing a jump start using jumper cables, there can be bursts of high voltage of hundreds of volts when connecting the cables. If the vehicle's electrical system is not protected against such surges, they can cause damage to sensitive electronic components, like the ABS system, the airbags control units, etc.

Please follow the vehicle manufacturer's operating instructions!

- Do not attempt to jump start a damaged battery.
- When giving starting aid with jumper cables, high voltage peaks of several hundred volts can occur when connecting the cables. If the vehicle electrical system is not protected from these peaks, they can damage sensitive electronic components.
- Only use standardised battery jumper cables. Only connect batteries of the same nominal voltage.
- Before giving starting aid, try to figure out the reason for the battery weakness. If the reason is a failure in the vehicle electrical system, starting aid should not be given. The battery or the electric system of the vehicle giving starting aid might become damaged.
- **Warning:** Always protect your eyes and hands from the battery.

How to do it: 4 easy steps

1. Turn off both vehicle engines.
2. Connect the positive terminals (1) and (2) and then connect the charged battery's negative terminal (3) with a bare metallic point (4) away from the battery of the vehicle requiring assistance.
3. Start the engine in the vehicle providing assistance, followed by the engine in the vehicle requiring assistance for a maximum of 15 seconds.
4. Disconnect the cables in reverse order (4-3-2-1).



3.2 Battery Installation and Removal

Modern vehicles are equipped with sensitive electrical systems such as airbag controllers, ABS, stability and traction control units, onboard computers etc. For some vehicles, it is necessary to follow certain procedures in order to install or take the battery out of service. For example, the electrical components may require resetting after they have been turned off.

Please follow the vehicle manufacturer's operating instructions!

1. Switch off the engine and all electrical equipment before installing or removing the battery.
2. Install only batteries that are fully charged and undamaged.
3. Install the type of battery recommended for the particular vehicle.
4. Avoid causing short-circuits with tools or cables. After having installed the battery in the vehicle, remove the covers from the terminal poles just before connecting the cables to the terminals.

Technical Information

5. For removing, disconnect the negative terminal (-) first and then the positive terminal (+). Before installing the battery, clean the surface inside the vehicle. Fix the battery safely and securely. If the battery is not securely installed, it will be subjected to a larger degree of vibration which can reduce its service life. Friction between the battery container and the support area can cause damage and wear to the container. Also, the container can rupture, causing the electrolyte to leak out.
6. Clean the battery terminals and its lugs. When installing, connect the positive terminal (+) first, then the negative terminal (-). Check that the terminal lugs are firmly in place. Make use of the accessories from the previous battery such as hose connections, terminal supports and covers for terminals. Use the top-up caps supplied.
7. At least one vent must remain open to avoid the risk of an explosion.

3.3 Taking the Vehicle out of Service

When a vehicle is taken out of service (for example, when it is used only seasonally), charge up the battery and store it in a cool place. If it is necessary to leave the battery in the vehicle, disconnect the negative terminal. Check the OCV of the battery every two months. If the OCV is below 12.4V, recharge the battery.

3.4 Technical Information on Battery Problems

3.4.1 Manufacturing Defects
Short Circuit / Dead Cell

If a battery has a service life that is less than 12 months, the problem is usually caused by a dead cell, that is, one of the cells has a density value that is much lower than the others. The affected cell bubbles visibly during the high-discharge test. To evaluate the density, a high-discharge test should be carried out. In some cases, the dead cell may be visible in the form of a sulphated cell.

Internal Breakage
The battery has good density values, but the voltage across the terminals cannot be measured.

3.4.2 Mishandling and Warranty Exclusion

The following technical problems are caused by mishandling the battery. Such cases are not subject to warranty.

Low State of Charge
A low state of charge is the first stage of deep discharge. With a low state of charge, the active material will not have sustained any damage. The battery can still be charged with a standard charger.
The causes of a low state of charge are:

- A defective alternator.
- A low voltage output from the regulator.
- High contact resistances caused by loose cable connections or dirt on the cable terminals.
- Slack drive belts.
- Insufficient engine running time due to short journey times.
- Subsequent addition of electrical equipment.
- Defective equipment causing continuous discharge.

Deep Discharge
A battery suffers a deep discharge when its capacity is totally used up. The longer the battery remains in this state, the greater will be the damage done to the active material. The plates begin to suffer sulphation and recharging becomes impossible. This damage is irreversible.

Possible causes of deep discharge are:

- See ‘Causes of Low State of Charge’
- Headlights or other electrical equipment are not switched off.

A battery in a good state of charge will usually have a load-free voltage >12.6V. Therefore, the voltage without charge for each cell is about 2.1V. If there is a short circuit in just a single cell, this will result in a reduction of about 2.1V of the terminal voltage, which would be a typical ‘short-circuit’ voltage of 10.5V. The likelihood of two cells within the same battery having a short circuit is very low. In the case of two cells with short circuits, the OCV drops by 4.2V to a value of 8.4V. In order to exclude the effects of long shipment and storage times on the terminal voltage, as well as the possibility of two cells with short circuits etc., only batteries with a load-free voltage lower than 8 volts are regarded as deeply discharged and a claim on warranty will be rejected.

Sulphation
If a battery is left in a discharged state for an excessive period of time, there will be a chemical reaction known as sulphation, which will certainly compromise its performance. During the discharge process, lead sulphate is generated on the positive and negative plates and distributed evenly among them.
The longer the battery is left in a discharged state, the more the small sulphate crystals grow into larger crystals and it becomes very difficult to convert these back into lead dioxide. Sulphation can become visible in the form of a white/grey layer on the plates. In most cases,

Technical Information

this damage is irreversible and the battery cannot be used anymore.
Sulphation can either occur during storage or if the battery is installed in a vehicle (or equipment) that is not used for a long period of time. While in a vehicle, the battery is constantly drained by the clock, the alarm system, etc., resulting in a decrease in the level of charge of the battery and, after a certain period of time, sulphation of the plates. However, even a disconnected battery undergoes sulphation due to self-discharge.

The causes of sulphation can be summed up as follows:

- There is an excessive lapse of time between one recharging and the next.
- An engine starter battery is used for “deep cycles”. This type of battery is not resistant to deep discharges.
- The battery is undercharged or the charging and adjustment of levels is carried out incorrectly.
- Low electrolyte level: a battery plate exposed to air starts to experience sulphation immediately.

Sulphation (lead sulphate) impedes the chemical reaction between the acid (electrolyte) and the active material (made up of lead) on the plates and it prevents normal operation of the battery. Even after recharging, the voltage will be low (< 12.4V), but, usually the cells will show equal values. Sulphation is not a manufacturing defect.

Acid Stratification

Acid stratification is a common cause of battery failure. In a stratified battery, the electrolyte is concentrated at the bottom and the top half of the cell has very little acid. Stratification takes place when the battery is kept with low charge (below 80%) and is never fully recharged. Short journeys that include the use of the windscreen wipers and electric heaters contribute to this phenomenon. Acid stratification reduces the general performance of the battery.
Figure 2 shows a normal battery in which the acid is distributed evenly from top to bottom. This battery has good performance because the correct concentration of acid is distributed evenly over the plates. Figure 3 shows a stratified battery in which the acid concentration is light at the top and heavy at the bottom. A light acid limits the plate activation, speeds up corrosion and reduces the performance. On the other hand, high acid concentration at the bottom artificially increases the open circuit voltage. The battery seems to be fully charged, but it delivers low starting power. High acid concentration also results in sulphation and further reduces the already low conductivity. If this condition goes undetected, it will ultimately result in battery failure.
Fully recharging or shaking the battery tends to correct the problem.



Figure 1 – Picture of battery with deep discharge and sulphation

Overcharging

Overcharging is often caused by an unsuitably high temperature in the engine compartment. Other than this, a defective voltage regulator is often another cause of overcharging. A high level of corrosion, loose particles of positive active material, damaged active material and high water consumption are characteristics of overcharging. A low level of electrolyte and a black layer on the filler caps are usually evidence for an overcharged battery. Excessive water consumption leads to an increase in electrolyte density. Also, a high temperature results in a lower internal battery resistance, causing an increase in the charge current and this increases the effect of overcharging.



Figure 2 – Without acid stratification



Figure 3 – With acid stratification

Technical Information

Physical Damage
The battery container and the terminals will suffer obvious damage if the battery is installed incorrectly, if the cables are wrongly connected or if the cables are hammered incorrectly into the terminals.
In addition, if the terminal poles are melted, this indicates that the battery has had a short circuit. (Figure 4 and Figure 5)





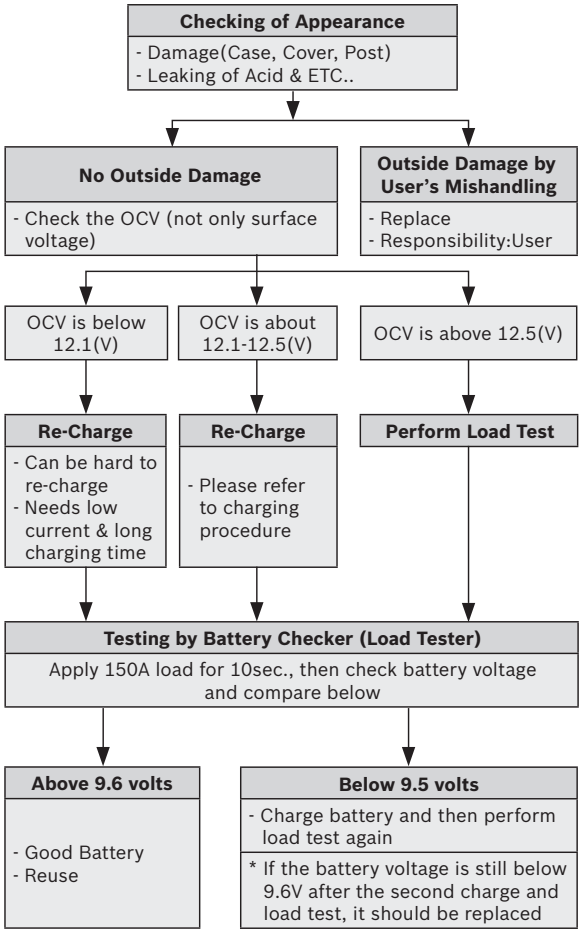
Figures 4 & 5 – Picture of a melted battery terminal

Incorrect Application
Batteries recommended by Bosch match or exceed the original equipment specifications. Choosing a battery of lower capacity or power will result in a shorter service life and premature battery failure. Usually, the result is a low charge level together with the effects described above.

Wear and Tear
During the charging and discharging cycle, the battery plate material (active material) moves about due to the electrochemical processes occurring. Every time that the battery undergoes a charging or discharging cycle, a small amount of active material comes loose from the plates. This normal aging process, caused by the charging and discharging cycles, results in a loss of battery capacity and, ultimately, the loss of its capacity to start the vehicle or power its equipment.

A battery has a finite number of cycles that it undergoes before losing its capacity. Vehicles that do a large number of short journeys, such as taxis, mini-cabs, trucks and buses, reach the maximum number of cycles in a shorter time than vehicles that do longer journeys. As a result, the batteries used in these types of vehicles may exhibit the above mentioned symptoms earlier than expected.

3.5 Checking for Malfunction by Load Tester



4. Inspection, Storage and Stacking

4.1 Inspection on Receipt of Goods

Before unloading the consignment of batteries, please check the details on the invoice against the goods delivered and your order details.
Check:
- The battery type.
- The quantities.
- Damaged batteries, batteries that were not transported in a horizontal position or those with leakage of electrolyte, should be rejected and sent back to the supplier, at the carrier's expense.

After unloading and before stocking the batteries, check:
- The age of the battery, calculating this from its date of manufacture.
- The open circuit voltage.
- Do a visual inspection (container, cover, terminals, charge indicator, colours, and labels).

Deep Cycle Charging, Maintenance & Storage

4.2 Storage

The batteries should be stored in a horizontal position on wooden palettes or racks (not tilted). Do not place them directly onto the ground, because small stones or sharp edges on the concrete floor can damage the battery container and cause leaks.
Batteries should be stored in a dry place and must not be exposed to direct sunlight. The storage temperature should be between 10°C and 35°C. Storage temperatures that are higher than this will result in greater water consumption, corrosion and self-discharge. The storage temperature must not exceed 35°C. The maximum period for storing decreases when batteries are stored at high temperatures.

4.3 Stacking

In order to avoid scratches and damage of labels, do not store unpackaged batteries on top of the other.
Always ensure that the instructions for stacking batteries are followed. Batteries up to 75Ah may be stacked in up to 5 tiers; batteries above 90Ah in up to 3 tiers and batteries above 150Ah in a maximum of 2 tiers. Do not remove the plastic shrink-wrapping. Use cardboard or polystyrene as an additional layer between the batteries.
Do not stack batteries with their terminal poles protruding without taking special measures to protect these terminals and to ensure that the stack is stable.

Follow the First in / First out (FiFo) procedure strictly. Following the FiFo procedure means that the first battery stored in stock is also the first battery to leave.

Deep Cycle Charging, Maintenance & Storage

1. Maintenance - Charging Instructions

1.1 Before placing the battery on charge after it has been in service, check its water level. If the level is below the separators at the start of charge, add only enough distilled water to cover the separators.

1.2 Always check specific gravity and temperature readings before charging the battery. Correct specific gravity readings to 27°C.

1.3 If an automatic or taper-type charger is used, set the rate of charge according to the charger manufacturer's instructions.

1.4 Do not overcharge & do not undercharge. If the battery temperature reaches 52°C during the charging cycle, the charging rate should be lowered or interrupted until the battery has cooled to room temperature. Specific gravity readings should be corrected to 27°C. For each 10°C increment above 27°C add four points to the hydrometer reading. E.g.: 37°C at 1.250 Sp. Gr. = 1.254 Sp. Gr. For each 10°C below 27°C, subtract four points from the hydrometer reading. E.g.: 17°C at 1.250 Sp. Gr. = 1.246 Sp. Gr.

1.5 Before charging, be sure that the electrolyte covers the top of the plates. If not, add distilled water to bring level to the top of plates. Do not overfill, as the electrolyte will expand during charging. Always replace vent caps before charging. After charging is complete, follow step six.

1.6 Do not overfill & do not underfill the battery. Fill each cell to approximately 3mm below the bottom of the extended vent tube. Overfilling the cells when adding distilled water results in the loss of electrolyte, lowering specific gravity and ampere hour capacity.

NOTE: never add acid to a battery—use only distilled water.

1.7 Keep battery tops dry and clean. A moist condition will result in electrical leakage across the battery to the metal hold-down clamp, causing corrosion build-up.

1.8 With vent caps firmly in place, periodically clean battery tops, hold-down bracket, and terminal connections with baking soda solution and a brush.

NOTE: protective gloves should be worn when undertaking this procedure.

1.9 Check all terminals and tighten firmly. Apply a thin coating of petroleum jelly to repel corrosion.

1.10 Never allow a battery to stand unused in a discharged condition. After each use, no matter how short, the battery should be fully recharged.

1.11 If the battery does not come up to full charge after following the correct charging procedure (as provided by the manufacturer of the charger used), check for lowline voltage and/or a faulty charger. If charging problems persist, please contact the distributor/reseller from which the battery was purchased.

1.12 If the battery's performance is weak or slow while in service, the following checks should be performed:

- Using a hydrometer, take specific gravity readings of all cells. If readings are above 1.225 specific gravity, apply a load test to each individual battery using a load tester, following the manufacturer's recommended procedure and instructions. If the battery proves to be unserviceable, it should be replaced.

NOTE: do not apply load tester if cell readings are below 1.225 specific gravity.

Marine Battery Charging, Maintenance & Storage

1.13 If the equipment being used contains multiple batteries, all batteries should be of approximately the same age.

1.14 If the temperature of the battery or the outside ambient temperature is below 15°C, the battery's performance and capacity will be reduced, and more charging time will be required.

2. Off-duty Storage

2.1 If a battery is stored and not kept in regular service, it should be maintained as follows:

- Maintain at full rate of charge.
- Store in a cool, dry place, ensuring the ambient temperature is not below 0°C and not above 27°C. A battery at 1.100 specific gravity will freeze at -7°C.
- Ensure charging procedure is completed every 45 days, or whenever the measured specific gravity reading has dropped to 1.200, corrected to 27°C.

2.2 The battery will self-discharge when not in use. Approximate rates of discharge are indicated below:

- At 38°C: discharge rate = 3 pts in specific gravity per day.
- At 27°C: discharge rate = 2 pts in specific gravity per day.
- At 10°C: discharge rate = 0.5 pts in specific gravity per day.
- At -1°C, discharge rate = 0.1 pts in specific gravity per day.

Proper care and maintenance of batteries used in motive power service is the key to ensuring maximum performance, sustained trouble-free lifespan, and greatly-reduced equipment operating costs.

Marine Battery Charging, Maintenance and Storage

1. Helpful Tips

1.1 Maintenance
Sulphation is a major cause of battery failure in marine applications and is often created by very low voltage. Maintaining battery voltage is a must to ensure a safe day out on the water, so it pays to check your battery voltage prior to departure.

1.2 Keep it clean
Ensure the battery posts and terminals are clean and secure before every trip. The marine environment places additional demands on all equipment and basic maintenance can ensure these demands are adequately managed.

1.3 Off-season storage
Marine batteries that are not in use must be cared for as follows to extend the battery life and reliability:

- Charge up the battery and if it is necessary, leave the battery in the vessel and disconnect the negative terminal. Otherwise, remove the battery and store in a cool place. Check the OCV of the battery every two months. If the OCV is below 12.4V, recharge the battery.

For information on Battery charging refer to pg A27

Robert Bosch (Australia) Pty Ltd
Automotive Aftermarket
Voluntary Repair or Replacement Warranty

Applicable for purchases of specified automotive aftermarket products after 1 July 2012

All Bosch automotive aftermarket parts are carefully checked, tested and are subject to the stringent quality controls of Bosch Quality Assurance.

Important Note: Consumer Protections

If you have purchased your product in Australia, you should be aware that:

*This warranty is provided **in addition to** other rights and remedies held by a consumer at law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

If you have purchased your product in New Zealand, you should be aware that:

This warranty is supplemental to any other rights and remedies you have under the *Consumer Guarantees Act 1993 NZ*, unless your purchase is made for commercial purposes, in which case Bosch excludes all consumer guarantees implied in the Consumer Guarantees Act 1993 NZ in respect of your product.

(A reference to "Bosch" in this Voluntary Repair or Replacement Warranty is a reference to Robert Bosch (Australia) Pty Ltd, unless from the particular context it is obvious that it is being used as a trade mark or brand name.)

Warranty

Bosch warrants, at its option, to repair or exchange those particular classes of automotive aftermarket products specified in the product table on the last page of this warranty (Products) if such Products are faulty or defective in manufacture or materials during the relevant Product warranty period.

This warranty is provided for the benefit of persons who purchase and fit the Products ("Workshops"), and of end-users of the Products, in Australia or New Zealand.

Repair or replacement under this warranty does not extend to repair or replacement, or any cost of replacement, of consumables or accessories incorporated into or supplied with the Products (for example, bearings or brushes).

This warranty only covers repair or replacement of the defective Products. It does not cover:

- any costs incurred by the Workshop or end-user in normal or scheduled maintenance of the Products; or
- any damage to property, personal injury, direct or indirect loss, consequential losses or other expenses arising from breach of this warranty. Any Workshop or end-user concerned with this exclusion should consider the *"Important Note: Consumer Protections"* above.

Warranty Periods

The warranty periods for the Products vary according to the particular class. The respective warranty periods are specified in the product table on the last page of this warranty.

In each case, the warranty commences with effect from:
- the date of purchase of the relevant Product by the Workshop or the end-user of the Product (as the case may be); or
- in the case of test equipment (excluding spare parts), the date of installation or three months after the date of purchase, which ever occurs earliest.

It ends at the expiration of the time indicated for the Product in the table at the end of this voluntary warranty or, in the case of a Product for which another measure is also specified to define the length of the warranty period (for example, number of kilometres), it ends at the expiration of the specified time period or at the time when such specified measure of use is reached – whichever occurs first.

Robert Bosch (Australia) Pty Ltd
Automotive Aftermarket
Voluntary Repair or Replacement Warranty

Warranty Conditions

This voluntary warranty is subject to the following conditions:

- The warranty is not transferable and is only offered to the original Workshop or end user of the Product (as the case may be).
- Where a Product or part thereof is replaced or repaired under this voluntary warranty, the balance of the original voluntary warranty will apply. The replacement Product or product does not carry a new voluntary warranty.
- The warranty does not extend to any Products that have been completely or partially disassembled.
- These warranty terms cannot be amended except in writing by an authorised officer of Bosch.
- The warranty only applies to Products purchased by a Workshop or an end-user in Australia or New Zealand from Bosch or from a reseller where the Products have been originally sold by Bosch.
- Any claim made under this voluntary warranty must meet the requirements set out below in the “How to Make a Warranty Claim” section.

Warranty Exclusions

This warranty will not apply to a defect or fault to the extent to which it arises:

- due to storage, handling or installation of the Products otherwise than in accordance with instructions provided for the Products by Bosch or without reasonable care;
- due to operation, use or maintenance of the Products otherwise than in accordance with instructions provided for the Products by Bosch or without reasonable care;
- due to accidental damage or to use of the Products for a purpose or in environmental conditions for which the Products were not designed or sold, or use of the products outside the specified or normal operating ranges for such Products;
- as a result of changes which occur in the condition or operational qualities of the Products due to climate or other environmental influence, foreign material contamination or water entry or as a result of exposure to excessive heat or solvents;
- from normal wear and tear or when replacement or repair of parts would be part of normal maintenance or service of the Products (for example, bearings or brushes) or where the damage is only to surface coating, varnish or enamel;
- as a result of repairs, alterations or modifications to the Product which have been performed by a third party;
- from the use of any spare parts not manufactured, sold or approved by Bosch in connection with the repair or replacement of Product, or
- as a result of any other defective or malfunctioning parts in the vehicle in which the Product has been installed.

This voluntary warranty does not apply to damage caused by continued use of a Product after it is known, or would have been known with regular servicing, it is defective.

Wrong Deliveries and Transit Damage

Wrong deliveries, incorrect or damaged packing and transit damage claims are not warranty claims. Such cases should be directed to Bosch’s Customer Service line in Australia on 1300 307 040 or in New Zealand on 0800 452 896.

How to Make a Warranty Claim

If a Product fails within the warranty period, the Workshop or the end-user must stop fitting or using the Product or the vehicle in which the Product is stored (as the case may be) until the Product is returned or made available for assessment.

The Product must be returned to the place of purchase (which in the case of a fault or defect identified after installation, may be the Workshop which fitted the Product) for assessment before the end of the Warranty Period (see Deadlines for Submitting Warranty Claims below).

Where this is not practicable, or further warranty support is required, please call Bosch on 1300 307 040 (within Australia) or 0800 452 896 (within New Zealand). Alternatively, for claims in Australia, you can post details of your claim to Robert Bosch (Aust) Pty Ltd, Attn AA Warranty Department, Locked Bag 66, Clayton Sth, 3169. Claims received by post will take longer to process and we encourage you to call us first. Bosch may refer you to one of its Bosch Warranty Authorised Service Dealers.

In all cases, the Workshop or end-user must provide proof of purchase, and any other details or evidence reasonably requested by Bosch or the supplier of the Product to substantiate the warranty claim.

Costs of Submitting a Warranty Claim

For invalid claims under this voluntary warranty, Bosch will not be liable for the end user's or the Workshop's costs in making the warranty claim, including transport or return freight.

In respect of valid claims under this voluntary warranty, the Workshop or the end user (as the case may be) will not be charged for costs associated with making a warranty claim, including warranty processing costs, the cost of replacement parts or freight. Reimbursement for necessary and reasonably incurred costs or expenses in making valid warranty claims under this manufacturer's warranty may be sought from Bosch. To enquire how to make a claim for reimbursement for costs incurred in submitting a warranty claim, please call 1300 307 040 in Australia or 0800 452 896 in New Zealand. Documentary evidence in support of such claim will be required.

Deadlines for Submitting Warranty Claims

Bosch aims to rectify genuine quality problems as a priority. This is generally achieved by investigating why defective products have failed and by introducing immediate corrective action measures to prevent re-occurring warranty failures. It is therefore critical that all warranty claims are promptly submitted to Bosch by the end of the warranty period. Bosch requests however that returns are made no later than 30 days after becoming aware of any defect or in order to assist Bosch to maintain its strict quality controls.

Packaging

Products do not need to be returned with the original packaging to make a warranty claim.

Product Liability and Product Safety
Bosch should be informed immediately about any potential product safety concerns within and outside the warranty period. Bosch is well aware of its product liability and product safety obligations and responsibilities. It is Bosch's aim to ensure appropriate product safety standards are met in order to avoid injury, loss and damage caused by defects in any Products.

Privacy
Bosch is required (or in the case of a Workshop, may be required) to seek personal information from an end-user or Workshop who seeks to make a claim under this warranty.

Such personal information may be used by Bosch and/or any service dealer who is authorised to process warranty claims and/or carry out warranty repairs on behalf of Bosch ("Warranty Authorised Service Dealer") for the purpose of processing such warranty claim and also for the provision of customer support and further information about Bosch's products and services (Purpose).

If an end-user or Workshop does not wish to provide Bosch and/or its Warranty Authorised Service Dealer with personal information, Bosch may be unable to process the end-user's or Workshop's warranty claim or to provide the end-user or Workshop with additional customer support, services and information.

Bosch is committed to protecting the privacy of personal information and will act in compliance with applicable privacy laws, including the National Privacy Principles under the Australian Privacy Act 1988 (Cth) (as amended) and New Zealand's Information Privacy Principles described in the Privacy Act 1993 (NZ).

Bosch takes security measures in order to protect any personal information collected in the warranty claim process against manipulation, loss, destruction, access by unauthorized persons or unauthorized disclosure.

Bosch will not disclose any personal information to third parties other than for the Purpose or except as required by law.

An end-user or Workshop has the right to access the personal information Bosch or its Warranty Authorised Service Dealers hold about them. The end-user or Workshop can request to see, change or modify the personal information held about them, or withdraw consent for its usage, by contacting Bosch at the Bosch Contact Details below.

Robert Bosch (Australia) Pty Ltd
Automotive Aftermarket
Voluntary Repair or Replacement Warranty

Bosch Contact Details

This warranty is offered by Robert Bosch (Australia) Pty Ltd (ACN 004 315 628) of 1555 Centre Road, Clayton, Victoria 3168. Please call Robert Bosch (Australia) Pty Ltd on 1300 307 040 if in Australia or 0800 452 896 in New Zealand if you have any queries in relation to this warranty.

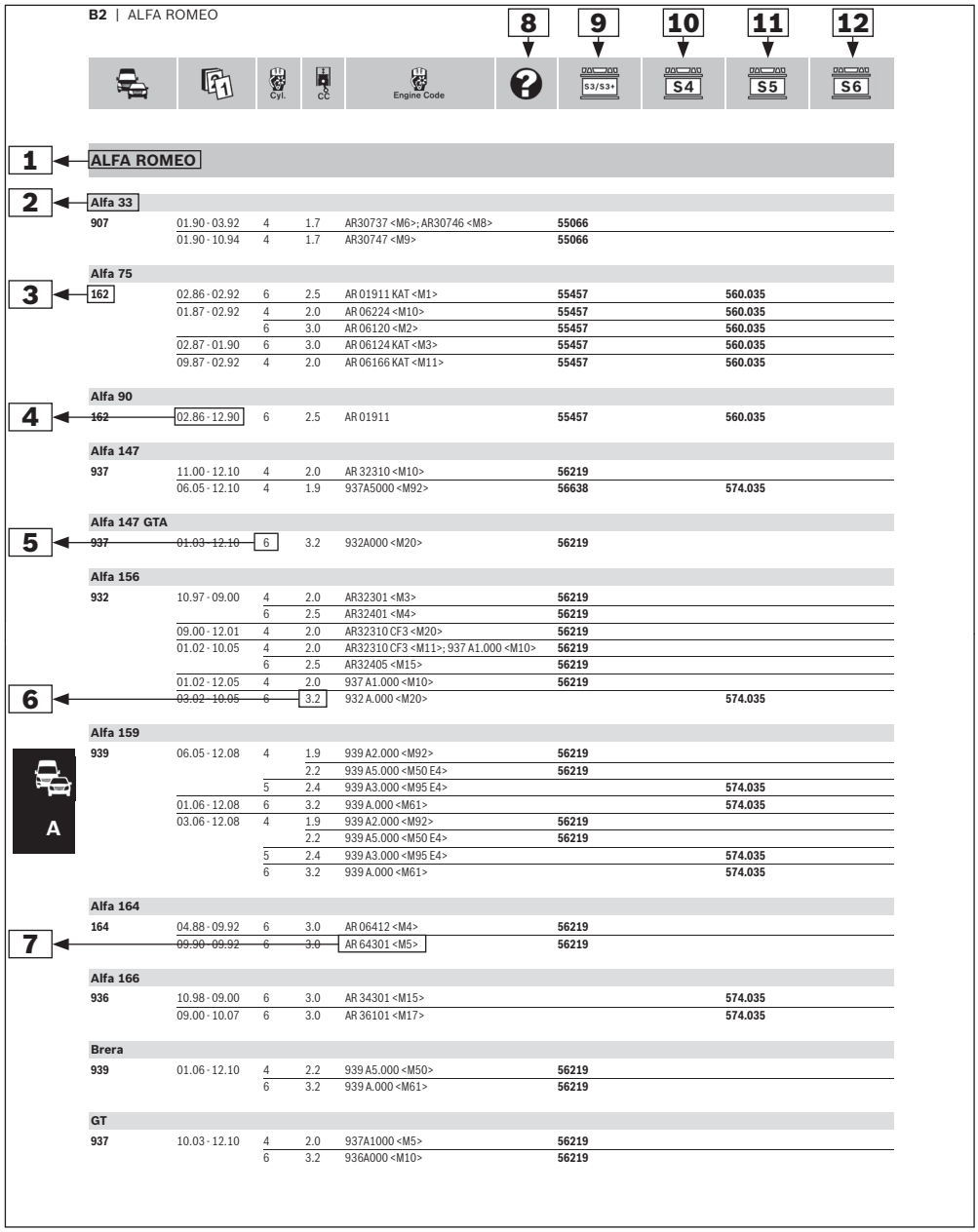
Bosch Product List and Respective Warranty Periods

The following is a list of the classes of products sold by Bosch which are covered by this voluntary warranty, and the warranty periods which apply in each case. The warranty period is subject otherwise to the specific terms referred to in the main body of the warranty under the heading "Warranty Periods".

Application	Product	Warranty Period
Passenger Car	S3 - Maintenance Free Calcium-Calcium	24 months
Passenger Car	S3+ - Maintenance Free Calcium-Calcium	24 months
Passenger Car	S4 - Maintenance Free Calcium-Calcium	36 months
Passenger Car	S5 - Maintenance Free Calcium-Silver	36 months
Passenger Car	S6 – AGM Battery	36 months (normal use); 24 months (start-stop use)
4WD/Truck/Commercial/ Industrial/Deep Cycle	All Batteries	12 months
Marine	All Batteries	12 months (starting the engine) 6 months (cycling the battery)
Taxis	All Batteries	3 months

Vehicle Application Listing

How to use this catalogue



B2 | ALFA ROMEO

			Cyl.	cc	Engine Code	8	9 S3/S3+	10 S4	11 S5	12 S6
1 ALFA ROMEO										
2 Alfa 33										
907	01.90 - 03.92	4	1.7	AR30737 <M6>; AR30746 <M8>		**55066**				
	01.90 - 10.94	4	1.7	AR30747 <M9>		**55066**				
Alfa 75										
3 162	02.86 - 02.92	6	2.5	AR 01911 KAT <M1>		**55457**			**560.035**	
	01.87 - 02.92	4	2.0	AR 06224 <M10>		**55457**			**560.035**	
		6	3.0	AR 06120 <M2>		**55457**			**560.035**	
	02.87 - 01.90	6	3.0	AR 06124 KAT <M3>		**55457**			**560.035**	
	09.87 - 02.92	4	2.0	AR 06166 KAT <M11>		**55457**			**560.035**	
Alfa 90										
4 ~~162~~	~~02.86 - 12.90~~	6	2.5	AR 01911		**55457**			**560.035**	
Alfa 147										
937	11.00 - 12.10	4	2.0	AR 32310 <M10>		**56219**				
	06.05 - 12.10	4	1.9	937A5000 <M92>		**56638**			**574.035**	
Alfa 147 GTA										
5 ~~937~~	~~01.03 - 12.10~~	6	3.2	932A000 <M20>		**56219**				
Alfa 156										
932	10.97 - 09.00	4	2.0	AR32301 <M3>		**56219**				
		6	2.5	AR32401 <M4>		**56219**				
	09.00 - 12.01	4	2.0	AR32310 CF3 <M20>		**56219**				
	01.02 - 10.05	4	2.0	AR32310 CF3 <M11>; 937 A1.000 <M10>		**56219**				
		6	2.5	AR32405 <M15>		**56219**				
	01.02 - 12.05	4	2.0	937 A1.000 <M10>		**56219**				
6 ~~03.02 - 10.05~~		6	3.2	932 A.000 <M20>					**574.035**	
Alfa 159										
939	06.05 - 12.08	4	1.9	939 A2.000 <M92>		**56219**				
			2.2	939 A5.000 <M50 E4>		**56219**				
		5	2.4	939 A3.000 <M95 E4>					**574.035**	
	01.06 - 12.08	6	3.2	939 A.000 <M61>					**574.035**	
	03.06 - 12.08	4	1.9	939 A2.000 <M92>		**56219**				
			2.2	939 A5.000 <M50 E4>		**56219**				
		5	2.4	939 A3.000 <M95 E4>					**574.035**	
		6	3.2	939 A.000 <M61>					**574.035**	
Alfa 164										
164	04.88 - 09.92	6	3.0	AR 06412 <M4>		**56219**				
7 ~~09.90 - 09.92~~		6	3.0	AR 64301 <M5>		**56219**				
Alfa 166										
936	10.98 - 09.00	6	3.0	AR 34301 <M15>					**574.035**	
	09.00 - 10.07	6	3.0	AR 36101 <M17>					**574.035**	
Brera										
939	01.06 - 12.10	4	2.2	939 A5.000 <M50>		**56219**				
		6	3.2	939 A.000 <M61>		**56219**				
GT										
937	10.03 - 12.10	4	2.0	937A1000 <M5>		**56219**				
		6	3.2	936A000 <M10>		**56219**				

A

1 **Vehicle make**

2 **Vehicle model**

3 **Vehicle series**

4 **Vehicle production date**

5 **Number of cylinders**

6 **Engine capacity/Litres**

7 **Engine Code**

8 **Special cases**
Refer inside back page

9 **S3/S3+ Battery**

10 **S4 Battery**

11 **S5 Battery**

12 **S6 Battery**

This catalogue contains data from the vehicles, engines and equipment for the New Zealand market from the year of manufacture 1990 up to and including July 2013. This data has been assembled from information provided by manufacturers and importers, Bosch documentation as well as from investigations made on vehicles as at the date of publication. It reflects the status as at July 2013.

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ALFA ROMEO

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Alfa 75									
162	02.86 - 02.92	6	2.5	AR 01911 KAT <M1>		**55457**		**560.035**	
	01.87 - 02.92	4	2.0	AR 06224 <M10>		**55457**		**560.035**	
		6	3.0	AR 06120 <M2>		**55457**		**560.035**	
	02.87 - 01.90	6	3.0	AR 06124 KAT <M3>		**55457**		**560.035**	
	09.87 - 02.92	4	2.0	AR 06166 KAT <M11>		**55457**		**560.035**	
Alfa 90									
162	02.86 - 12.90	6	2.5	AR 01911		**55457**		**560.035**	
Alfa 147									
937	11.00 - 12.10	4	2.0	AR 32310 <M10>		**56219**			
	06.05 - 12.10	4	1.9	937A5000 <M92>		**56638**		**574.035**	
Alfa 147 GTA									
937	01.03 - 12.10	6	3.2	932 A.000 <M20>		**56219**			
Alfa 156									
932	10.97 - 09.00	4	2.0	AR32301 <M3>		**56219**			
		6	2.5	AR32401 <M4>		**56219**			
	09.00 - 12.01	4	2.0	AR32310 CF3 <M20>		**56219**			
	01.02 - 10.05	4	2.0	AR32310 CF3 <M11>; 937 A1.000 <M10>		**56219**			
		6	2.5	AR32405 <M15>		**56219**			
	01.02 - 12.05	4	2.0	937 A1.000 <M10>		**56219**			
	03.02 - 10.05	6	3.2	932 A.000 <M20>				**574.035**	
Alfa 159									
939	06.05 - 12.08	4	1.9	939 A2.000 <M92>		**56219**			
			2.2	939 A5.000 <M50 E4>		**56219**			
		5	2.4	939 A3.000 <M95 E4>				**574.035**	
	01.06 - 12.08	6	3.2	939 A.000 <M61>				**574.035**	
	03.06 - 12.08	4	1.9	939 A2.000 <M92>		**56219**			
			2.2	939 A5.000 <M50 E4>		**56219**			
		5	2.4	939 A3.000 <M95 E4>				**574.035**	
		6	3.2	939 A.000 <M61>				**574.035**	
Alfa 164									
164	04.88 - 09.92	6	3.0	AR 06412 <M4>		**56219**			
	09.90 - 09.92	6	3.0	AR 64301 <M5>		**56219**			
Alfa 166									
936	10.98 - 09.00	6	3.0	AR 34301 <M15>				**574.035**	
	09.00 - 10.07	6	3.0	AR 36101 <M17>				**574.035**	
Brera									
939	01.06 - 12.10	4	2.2	939 A5.000 <M50>		**56219**			
		6	3.2	939 A.000 <M61>		**56219**			
GT									
937	10.03 - 12.10	4	2.0	937A1000 <M5>		**56219**			
		6	3.2	936A000 <M10>		**56219**			
GTV									
916	04.95 - 04.98	4	2.0	AR 16201 <M1>		**56219**			
	05.98 - 07.00	6	3.0	AR 16102 <M4/M7>		**56219**			
	08.00 - 12.05	4	2.0	AR 32310 <M6>		**56219**			
		6	3.0	AR 16105 <M7>		**56219**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
916	04.03 - 12.05	4	2.0	937A1.000 <M8>		**56219**			
		6	3.2	936A6.000 <M9>		**56219**			
Spider									
916	04.95 - 04.98	4	2.0	AR 16201 <M1>		**56219**			
		6	3.0	AR 16101 <M2>		**56219**			
	08.00 - 03.03	6	3.0	AR 16105 CF3 <M7>		**56219**			
	08.00 - 02.06	4	2.0	AR 32310 CF3 <M6>		**56219**			
	04.03 - 02.06	6	3.2	936A6.000 <M9>		**56219**			
939	03.06 - 12.10	4	2.2	939 A5.000 <M50>		**56219**			
	09.06 - 12.10	6	3.2	939 A.000 <M61>		**56219**			

ASIA (ASIA MOTORS)

Rocsta									
CA	02.94 - 12.98	4	1.8	SOHC			**22NF-330D**		
	08.95 - 12.98	4	2.2	R2 <SOHC>			**22NF-330D**		

ASTON MARTIN

DB7									
	03.94 - 02.99	6	3.2	AJ6 Kompressor				**574.035**	
	03.99 - 08.02	12	5.9				**60038**		
DB9									
	01.04 - 12.07	12	5.9				**60038**		
Vanquish									
	09.04 - 08.07	12	5.9	AM4R9			**60038**		
Vantage									
	04.07 - 09.08	8	4.3	AM6U5			**60038**		

AUDI

A1									
8X1	05.10→	4	1.4	CAXA <D4X>	SSJ				**DIN LN3**
					SSN	**56219**			
A3									
8L1	09.96 - 06.01	4	1.6	AEH		**55066**			
	09.96 - 06.03	4	1.8	AGN		**56219**			
	12.96 - 06.03	4	1.8	AGU		**56219**			
	08.98 - 05.00	4	1.8	APP		**56219**			
	08.98 - 04.03	4	1.8	APG		**56219**			
	05.00 - 04.02	4	1.6	AVU		**55066**			
	05.00 - 06.03	4	1.8	AUM		**56219**			
	05.02 - 06.03	4	1.6	BFQ		**56219**			
8P1	05.03 - 05.05	4	1.6	BGU		**56219**			
	05.03 - 06.08	4	2.0	BKD				**574.035**	
	01.04 - 08.04	4	2.0	BMB		**56219**			
	06.04 - 12.04	4	2.0	BLX		**56219**			
8PA	09.04 - 01.05	4	2.0	BLX		**56219**			
	09.04 - 05.05	4	1.6	BGU		**56219**			
	09.04 - 10.05	4	2.0	AXX		**56219**			
8P1	09.04 - 10.05	4	2.0	BLY		**56219**			
8PA	09.04 - 06.08	4	2.0	BKD				**574.035**	
	06.05 - 08.12	4	1.6	BSE <MW6>		**56219**			

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
8PA	06.05 - 08.12	4	1.6	BSF <MW6>		**55066**			
8P1	06.05 - 08.12	4	1.6	BSE <MW6>; BSF <MW6>		**56219**			
8PA	09.05 - 05.09	4	2.0	BWA <D2L>		**56219**			
	11.05 - 11.06	4	2.0	BVY		**56219**			
	03.06 - 06.08	4	2.0	BMN	SSJ				**DIN LN3**
					SSN			**574.035**	
	11.06 - 06.07	4	1.8	BYT		**56219**			
8P1	11.06 - 06.07	4	1.8	BYT		**56219**			
8PA	06.07 - 06.08	4	1.8	BZB <D67>		**56219**			
	06.07 - 08.12	4	1.4	CAXC <D33>	BWD,SSJ				**DIN LN3**
	11.09→	4	1.6	CAYC <D38>	BWD,SSJ				**DIN LN3**
			2.0	CFGB <D93>	SSJ				**DIN LN3**
A3 Quattro									
8L1	08.97 - 08.00	4	1.8	AGU		**56219**			
	08.98 - 06.99	4	1.8	AGN		**56219**			
8P1	07.03 - 08.04	6	3.2	BDB		**58014**			
8PA	09.04 - 10.05	4	2.0	AXX		**56219**			
		6	3.2	BMJ				**574.035**	
8P1	09.04 - 10.05	6	3.2	BMJ				**574.035**	
8PA	11.05 - 05.09	4	2.0	BWA <D2L>		**56219**			
		6	3.2	BUB <D6D>				**574.035**	
A4									
8D2, B5	11.94 - 07.98	4	1.8	AEB		**56219**			
		6	2.6	ABC		**56318**		**575.035**	
	11.94 - 04.99	4	1.8	ADR		**54316**			
	03.96 - 12.98	6	2.8	ACK				**574.035**	
	08.97 - 07.98	6	2.4	AGA; ALF				**574.035**	
	08.97 - 12.98	4	1.8	AJL		**54316**			
	08.98 - 07.99	6	2.4	APS				**574.035**	
	08.98 - 06.00	6	2.8	APR				**574.035**	
	06.00 - 10.00	6	2.4	AMM		**56638**		**574.035**	
8E2, B6	12.00 - 12.04	4	2.0	ALT		**56219**			
		6	3.0	ASN				**574.035**	
	04.01 - 12.04	6	3.0	BBJ				**574.035**	
	09.01 - 12.04	6	2.4	BDV		**56219**			
8H7, B6	04.02 - 12.05	4	1.8	BFB		**56219**			
		6	3.0	BBJ			**60038**		
8E2, B6	07.02 - 12.04	4	1.8	BFB		**56219**			
	11.02 - 12.04	4	1.8	BEX		**56219**			
8EC, B7	11.04 - 05.05	4	2.0	BLB				**574.035**	
	11.04 - 08.05	4	2.0	BGB		**56219**			
	11.04 - 06.08	4	1.8	BFB		**56219**			
			2.0	ALT		**56219**			
	01.05 - 06.08	6	3.2	AUK			**60038**		
	09.05 - 06.08	4	2.0	BWE		**56219**			
8HE, B7	01.06 - 03.09	4	1.8	BFB		**56219**			
			2.0	BWE		**56219**			
		6	3.2	AUK			**60038**		
8K2, B8	11.07 - 03.12	4	2.0	CAGA <D92>	BWD,SSJ				**DIN LN3**
					SSN			**574.035**	
				CAGB <D94>	BWD,SSJ				**DIN LN3**
	06.08 - 03.12	6	2.7	CGKA <D4V>				**574.035**	
	11.09→	4	2.0	CFKA <D64>	SSJ				**DIN LN3**
A4 Avant									
8D5, B5	11.94 - 07.98	6	2.6	ABC				**574.035**	
	10.95 - 07.98	4	1.8	AEB		**56219**			
	03.96 - 07.98	6	2.8	ACK				**574.035**	
	08.97 - 07.98	6	2.4	AGA		**56219**			
	08.97 - 09.01	4	1.8	AJL		**54316**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
8D5, B5	08.98 - 06.00	6	2.4	APS		**56219**			
	06.00 - 09.01	6	2.4	AMM		**56638**		**574.035**	
8E5, B6	09.01 - 12.04	4	2.0	ALT		**56219**			
	07.02 - 12.04	4	1.8	BFB		**56219**			
	11.02 - 12.04	4	1.8	BEX		**56219**			
8ED, B7	11.04 - 08.05	4	2.0	BGB		**56219**			
	11.04 - 06.08	4	1.8	BFB		**56219**			
			2.0	ALT				**574.035**	
8K5, B8	06.08 - 03.12	4	1.8	CDHB <D67>		**56219**			
	06.08 - 05.13	4	2.0	CDNC <D2D>	BWD,SSJ				**DIN LN3**
A4 Quattro									
8D2, B5	11.94 - 12.98	4	1.8	AEB		**56219**			
	11.94 - 04.99	4	1.8	ADR		**56219**			
	03.96 - 07.98	6	2.8	ACK				**574.035**	
	08.97 - 07.98	6	2.4	AGA				**574.035**	
	08.97 - 10.00	4	1.8	AJL		**56219**			
	02.99 - 06.00	6	2.8	APR				**574.035**	
	02.99 - 10.00	6	2.4	APS		**56638**		**574.035**	
8E2, B6	12.00 - 12.04	6	3.0	ASN				**574.035**	
	03.01 - 12.04	6	3.0	BBJ				**574.035**	
	07.02 - 12.04	4	1.8	BFB		**56219**			
8EC, B7	11.04 - 08.05	4	2.0	BGB		**56219**			
	11.04 - 06.08	4	1.8	BFB		**56219**			
	09.05 - 06.08	4	2.0	BWE				**574.035**	
	01.06 - 06.08	6	3.0	ASB <D1D>				**574.035**	
8K2, B8	06.08 - 05.13	4	2.0	CDNC <D2D>	BWD,SSJ				**DIN LN3**
A4 Quattro Avant									
8D5, B5	11.94 - 07.98	6	2.6	ABC				**574.035**	
	11.94 - 04.99	4	1.8	ADR		**56219**			
	03.96 - 07.98	6	2.8	ACK				**574.035**	
	08.97 - 09.01	4	1.8	AJL		**56219**			
	08.98 - 09.01	6	2.4	APS		**56638**		**574.035**	
8E5, B6	09.01 - 06.02	4	1.8	AVJ		**56219**			
8ED, B7	11.04 - 08.05	4	2.0	BGB				**574.035**	
	09.05 - 06.08	4	2.0	BWE		**56219**			
8K5, B8	06.08 - 05.13	4	2.0	CDNC <D2D>	BWD,SSJ				**DIN LN3**
A5									
8T3	09.08→	4	2.0	CDNB <D64>	BWD,SSN			**DIN110**	
					SSJ				**DIN LN3**
A5 Cabriolet quattro									
8F7	03.09→	4	2.0	CDNC <D2D>	SSJ				**DIN LN3**
		6	3.2	CALA <D6W>	BWD			**DIN110**	
A5 Coupe quattro									
8T3	11.07 - 03.12	6	3.2	CALA <D6W>	BWD			**DIN110**	
	03.08 - 03.12	6	3.0	CCWA <D50>	BWD			**DIN110**	
A5 Sportback Quattro									
8TA	09.09 - 05.13	4	2.0	CDNC <D2D>	BWD,SSJ				**DIN LN3**
A6									
4A2, C4	06.94 - 10.97	6	2.6	ABC		**56318**		**575.035**	
			2.8	AAH		**56318**		**575.035**	
4B2, C5	04.97 - 07.98	6	2.8	ACK		**56638**		**574.035**	
	04.97 - 01.99	6	2.4	AGA		**56638**		**574.035**	
	11.98 - 04.01	6	2.4	APS		**56638**		**574.035**	
			2.8	APR		**56638**		**574.035**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
4B2, C5	06.01 - 05.04	6	2.4	BDV		**56219**			
			3.0	ASN; BBJ				**574.035**	
4F2, C6	04.04 - 05.06	6	3.0	BBJ		**58014**			
	04.04 - 10.08	6	2.4	BDW		**58014**			
			3.2	AUK		**58014**			
	06.05→	4	2.0	BPJ <D6G>		**58014**			
	11.06 - 10.08	6	2.8	BDX		**58014**			
A6 Avant									
4A5, C4	06.94 - 06.96	6	2.6	ABC		**56638**		**574.035**	
4B5, C5	04.97 - 01.99	6	2.4	AGA		**56638**		**574.035**	
	02.98 - 07.98	6	2.8	ACK		**56638**		**574.035**	
	11.98 - 06.00	6	2.4	APS		**56638**		**574.035**	
4BH, C5	05.00 - 05.03	6	2.5	AKE			**60038**		
4F5, C6	03.05 - 10.08	6	2.4	BDW			**60038**		
	06.05→	4	2.0	BPJ <D6G>		**58014**			
4FH, C6	05.06 - 10.08	6	3.0	ASB <D1D>			**60038**		
A6 Quattro									
4A2, C4	06.94 - 10.97	6	2.6	ABC		**56318**		**575.035**	
			2.8	AAH		**56318**		**575.035**	
4B2, C5	04.97 - 12.98	6	2.8	ACK		**56638**		**574.035**	
	11.98 - 06.99	6	2.4	APS		**56638**		**574.035**	
	01.99 - 05.01	6	2.8	APR		**56638**		**574.035**	
4B4, C5	04.99 - 05.01	8	4.2	ARS		**56638**		**574.035**	
	06.00 - 05.04	8	4.2	ASG				**574.035**	
4B2, C5	06.01 - 06.02	6	2.7	ARE				**574.035**	
	06.01 - 05.04	6	3.0	ASN				**574.035**	
	07.02 - 05.04	6	2.7	BES		**56638**		**574.035**	
4F2, C6	04.04 - 05.06	6	3.0	BMK			**60038**		
		8	4.2	BAT		**58014**			
	04.04 - 10.08	6	3.2	AUK		**58014**			
	06.06 - 10.08	6	3.0	ASB <D1D>		**58014**			
	11.06 - 10.08	6	2.8	BDX		**58014**			
A6 Quattro Avant									
4B5, C5	11.98 - 06.99	6	2.4	APS		**56638**		**574.035**	
4BH, C5	05.00 - 06.02	6	2.7	ARE			**60038**		
	07.02 - 08.05	6	2.7	BES		**56638**		**574.035**	
		8	4.2	BAS			**60038**		
	06.03 - 08.05	6	2.5	BAU			**60038**		
4F5, C6	03.05 - 10.08	6	3.2	AUK			**60038**		
A8									
4D2, D2	06.94 - 03.96	6	2.8	AAH			**60038**		
	07.95 - 12.98	8	3.7	AEW			**60038**		
	05.97 - 12.98	8	3.7	AKJ			**60038**		
4E, D3	06.05 - 07.10	6	3.2	BPK			**60038**		
A8 Quattro									
4D2, D2	06.94 - 12.98	8	4.2	ABZ			**60038**		
	10.98 - 02.01	8	4.2	AQF			**60038**		
4E, D3	11.02 - 05.06	8	3.7	BFL		**56638**		**574.035**	
			4.2	BFM		**56638**		**574.035**	
	01.04 - 07.10	6	3.0	ASB <D1D>			**60038**		
	02.04 - 07.10	12	6.0	BHT			**60038**		
	06.05 - 07.10	6	3.2	BPK			**60038**		
	07.05 - 07.10	8	4.2	BVN			**60038**		

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Cabriolet									
8G7, B4	01.93 - 09.98	4	2.0	ABK		**56318**		**575.035**	
	01.94 - 08.00	6	2.6	ABC		**56318**		**575.035**	
Q5									
8RB	11.08 - 09.10	4	2.0	CAHA <D93>	BWD,SSN		**60038**		
					SSJ				**DIN LN3**
	11.08 - 09.12	6	3.0	CCWA <D50>	BWD			**DIN110**	
Q5 Quattro									
8RB	11.08 - 09.12	4	2.0	CDNC <D2D>	SSJ				**DIN LN3**
Q7									
4LB	03.06 - 05.10	8	4.2	BAR <T8T>			**60038**		
	08.06 - 05.08	6	3.0	BUG <D1D>			**60038**		
	03.07 - 05.10	6	3.6	BHK <D3B>			**60038**		
RS4									
8D5, B5	05.00 - 10.00	6	2.7	ASJ			**60038**		
	11.00 - 09.01	6	2.7	AZR			**60038**		
RS6									
4B6	05.02 - 04.04	8	4.2	BCY				**DIN110**	
4B4	07.02 - 04.04	8	4.2	BCY			**60038**		
4B6	04.04 - 09.04	8	4.2	BRV				**DIN110**	
S2									
8C2, B4	02.93 - 05.95	5	2.2	ABY		**56318**		**575.035**	
S3									
8L1	08.98 - 08.00	4	1.8	APY				**574.035**	
	08.01 - 06.03	4	1.8	BAM				**574.035**	
8P1	11.06 - 06.08	4	2.0	BHZ				**574.035**	
	02.07 - 06.08	4	2.0	BZC				**574.035**	
S4									
4A2, C4	07.92 - 07.94	5	2.2	AAN		**56318**		**575.035**	
8D2, B5	10.97 - 10.00	6	2.7	AGB		**58014**			
8D5, B5	10.97 - 09.01	6	2.7	AGB		**58014**			
8E2, B6	03.03 - 12.04	8	4.2	BBK		**58014**			
8E5, B6	03.03 - 12.04	8	4.2	BBK		**58014**			
8H7, B7	02.04 - 12.05	8	4.2	BBK		**55457**		**560.035**	
8ED, B7	11.04 - 06.08	8	4.2	BBK			**60038**		
S5 Sportback Quattro									
8TA	01.10 - 09.11	6	3.0	CAKA <D11>				**DIN110**	
S6									
4B4, C5	09.99 - 05.01	8	4.2	AQJ			**60038**		
	06.01 - 05.04	8	4.2	ANK			**60038**		
S8									
4D2	09.96 - 12.98	8	4.2	AHC			**60038**		
	09.00 - 09.02	8	4.2	AVP			**60038**		
TT									
8N3	07.98 - 08.00	4	1.8	AJQ		**56219**			
	07.98 - 08.01	4	1.8	APX		**56219**			
	09.00 - 05.05	4	1.8	ARY		**56219**			
	09.00 - 06.06	4	1.8	AUQ; BAM		**56219**			

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
8N3	01.01 - 06.06	4	1.8	AUM		**56219**			
8J3	07.06 - 06.10	4	2.0	BWA <D2L>		**58014**			
TT Quattro									
8N3	07.03 - 06.06	6	3.2	BHE		**56219**			
8J3	07.06 - 06.10	6	3.2	BUB <D6D>		**58014**			
TT Quattro Roadster									
8N9	03.99 - 08.01	4	1.8	APX		**55457**		**560.035**	
	09.00 - 05.05	4	1.8	ARY		**56318**		**575.035**	
	09.00 - 06.06	4	1.8	BAM		**56318**		**575.035**	
	07.03 - 06.06	6	3.2	BHE		**56318**		**575.035**	
8J9	02.07 - 06.10	6	3.2	BUB <D6D>		**58014**			
TT Roadster									
8N9	08.00 - 06.06	4	1.8	AUQ		**56318**		**575.035**	
8J9	02.07 - 06.10	4	2.0	BWA <D2L>		**58014**			
V8 Quattro									
44, 4C, D11	09.90 - 12.92	8	3.6	PT			**60038**		
80									
89, 8A2, B3	09.86 - 12.91	4	1.8	JN		**55457**		**560.035**	
	08.88 - 10.90	4	2.0	3A		**56318**		**575.035**	
8C2, B4	09.90 - 11.94	5	2.3	NG		**56318**		**575.035**	
	09.91 - 05.95	4	2.0	ABK		**56318**		**575.035**	
		6	2.8	AAH		**56318**		**575.035**	
	07.92 - 05.95	6	2.6	ABC		**56318**		**575.035**	
80 Quattro									
8C2, B4	09.91 - 11.94	5	2.3	NG		**56318**		**575.035**	
	09.91 - 12.94	4	2.0	ABK		**56318**		**575.035**	
	09.91 - 05.95	6	2.8	AAH		**56318**		**575.035**	
	07.92 - 05.95	6	2.6	ABC		**56318**		**575.035**	
90									
89, 8A2, B3	04.87 - 12.91	5	2.3	NG		**56318**		**575.035**	
	08.88 - 12.91	5	2.3	7A		**56318**		**575.035**	
90 Quattro									
89, 8A2, B3	04.87 - 09.91	5	2.3	NG		**56318**		**575.035**	
	07.88 - 09.91	5	2.3	7A		**56318**		**575.035**	
100									
44, 44Q, C3	09.84 - 12.90	5	2.2	KU				**575.035**	
	08.86 - 08.91	5	2.3	NF		**56318**		**575.035**	
4A2, C4	12.90 - 07.94	6	2.8	AAH		**56318**		**575.035**	
	04.92 - 07.94	6	2.6	ABC		**56318**		**575.035**	
100 Quattro									
44, 44Q, C3	08.84 - 11.90	5	2.2	KU		**56318**		**575.035**	
4A2, C4	03.92 - 07.94	6	2.6	ABC		**56318**		**575.035**	
200									
44, C3	08.85 - 12.91	5	2.2	MC		**56318**		**575.035**	
200 Quattro									
44, C3	01.85 - 12.90	5	2.2	MC		**56318**		**575.035**	

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BENTLEY

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Arnage									
	04.98 - 08.00	8	4.4	<Cosworth V8>		**55D26R**	**90D26R**	**110D26R**	
	04.99 - 08.07	8	6.8	L410IT <EMS3>		**55D26R**	**90D26R**	**110D26R**	
	04.02 - 08.08	8	6.8			**55D26R**	**90D26R**	**110D26R**	
Azure									
	08.99 - 06.06	8	6.8	L410IT		**55D26R**	**90D26R**	**110D26R**	
Brooklands									
	07.92 - 08.97	8	6.8	L 410 MN 1T		**55D26R**	**90D26R**	**110D26R**	
	09.92 - 07.93	8	6.8	L 410 I		**55D26R**	**90D26R**	**110D26R**	
Continental									
	03.91 - 08.99	8	6.8	L 410 IT		**55D26R**	**90D26R**	**110D26R**	
Continental Flying Spur									
	03.05→	12	6.0			**56219**			
Continental GT									
	06.03 - 10.10	12	6.0			**55D26R**	**90D26R**	**110D26R**	
Eight									
	09.84 - 09.92	8	6.8	L 410 I <OHV>		**55D26R**	**90D26R**	**110D26R**	
Turbo R									
	11.91 - 03.93	8	6.8	V8 <OHV>		**55D26R**	**90D26R**	**110D26R**	
	04.93 - 07.95	8	6.8	L 410 MT		**55D26R**	**90D26R**	**110D26R**	
	07.95 - 07.99	8	6.8	L410MT 1T		**55D26R**	**90D26R**	**110D26R**	

BMW

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
M3									
E 36	09.92 - 12.94	6	3.0	30 6S 1 <S50 B30>		**56318**		**575.035**	
	09.92 - 09.95	6	3.0	30 6S 1 <S 50 B 30..>		**56638**		**574.035**	
	10.95 - 12.98	6	3.2	32 6S 1/3 <S 50 B 32..>		**56638**		**574.035**	
E 46	09.00 - 05.06	6	3.2	32 6S 4 <S 54 B 32>		**56638**		**574.035**	
E 92	05.07→	8	4.0	S65 B40A				**574.035**	
E 90	11.07 - 10.11	8	4.0	S65 B40A	BWD,SSJ				**DIN LN3**
M3 Cabriolet									
E 46	04.01 - 08.06	6	3.2	32 6S 4 <S 54 B 32>		**58014**			
E 93	03.08→	8	4.0	S65 B40A	BWD,SSJ				**DIN LN3**
M3 CSL									
E 46	03.03 - 12.03	6	3.2	32 6S 4 <S 54 B 32>				**574.035**	
M5									
E 34	10.88 - 12.94	6	3.6	36 6S 1 <S 38 B 36..>			**60038**		
E 39	10.98 - 07.03	8	5.0	50 8S 1 <S 62 B 50>			**60038**		
E 60	11.04 - 12.09	10	5.0	S85 B50A			**60038**		
X1 sDrive d									
E 84	10.09 - 06.12	4	2.0	N47 D20C	BWD,SSJ				**DIN LN3**
X1 xDrive d									
E 84	10.09 - 06.12	4	2.0	N47 D20C; N47 D20D	BWD,SSJ				**DIN LN3**

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
X3									
E 83	01.04 - 08.06	6	3.0	30 6S 3 <M 54>			**60038**		
	03.04 - 08.06	6	2.5	25 6S 5 <M 54>			**60038**		
	10.04 - 09.07	4	2.0	20 4D 4 <M 47N>			**60038**		
	09.05 - 08.08	6	3.0	30 6D 3 <M 57N2>			**60038**		
	09.06 - 08.08	6	2.5	N52 B25... <NG6>			**60038**		
			3.0	N52 B30...			**60038**		
X3 xDrive									
E 83	09.08 - 08.10	6	2.5	N52 B25... <NG6>	BWD,SSJ				**DIN LN3**
					SSN		**60038**		
			3.0	N52 B30...	BWD,SSJ				**DIN LN3**
X5									
E 53	03.99 - 09.03	8	4.4	44 8S 2 <M 62 B 44>			**60038**		
	10.99 - 09.06	6	3.0	30 6S 3 <M 54>			**60038**		
	03.01 - 09.03	6	3.0	30 6D 1 <M 57 D 30>			**60038**		
	02.02 - 09.03	8	4.6	46 8S 1 <M 62 B 46>			**60038**		
	10.03 - 10.06	6	3.0	30 6D 2 <M 57N>			**60038**		
		8	4.4	N62 B44A <NGV8>			**60038**		
	03.04 - 10.06	8	4.8	N62 B48A <NGV8>			**60038**		
E 70	11.06 - 09.08	6	3.0	N52 B30...			**60038**		
		8	4.8	N62 B48B <NGV8>			**60038**		
	03.07 - 09.08	6	3.0	30 6D 3 <M 57N2>			**60038**		
	10.07 - 09.08	6	3.0	30 6D 5			**60038**		
X5 xDrive									
E 70	10.08 - 03.10	8	4.8	N62 B48B <NGV8>			**60038**		
X6 xDrive									
E 71	05.08 - 03.10	6	3.0	30 6D 5			**60038**		
Z3									
E 36/7	09.95 - 12.99	4	1.9	19 4S 1 <M 44 B 19>		**56638**		**574.035**	
	11.96 - 08.00	6	2.8	28 6S 1/2 <M 52 B 28>				**574.035**	
	04.99 - 12.00	6	2.0	20 6S 4 <M 52 B 20>		**56638**		**574.035**	
	05.00 - 06.02	6	3.0	30 6S 3 <M 54>		**56638**		**574.035**	
	09.00 - 09.02	6	2.2	22 6S 1 <M 54>		**56638**		**574.035**	
Z4									
E 85	10.02 - 01.06	6	2.5	25 6S 5 <M 54>		**56638**		**574.035**	
			3.0	30 6S 3 <M 54>		**56638**		**574.035**	
	02.06 - 08.08	6	3.2	32 6S 4 <S 54 B 32>		**56638**		**574.035**	
E 86	03.06 - 08.08	6	3.0	N52 B30...		**56219**			
116i									
E 87	09.04 - 06.11	4	1.6	N45 B16A <NG4>		**55066**			
118d									
E 87	03.07 - 06.11	4	2.0	N47 D20...	BWD,SSJ				**DIN LN3**
118d Cabriolet									
E 88	09.08→	4	2.0	N47 D20...	BWD,SSJ				**DIN LN3**
118i									
E 87	11.04 - 03.07	4	2.0	N46 B20B <NG4>		**55066**			
	03.07 - 06.11	4	2.0	N43 B20A <NG4>	SSJ				**DIN LN3**
				N46 B20B <NG4>					**DIN LN3**

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
120d									
E 87	09.04 - 03.07	4	2.0	20 4D 4 <M 47N>		**58014**			
	03.07 - 06.11	4	2.0	N47 D20...	BWD,SSJ				**DIN LN3**
					SSN	**58014**			
120i									
E 87	09.04 - 03.07	4	2.0	N46 B20... <NG4>		**56219**			
123d									
E 87	09.07 - 06.11	4	2.0	N47 D20...	SSJ				**DIN LN3**
123d Cabriolet									
E 88	09.08→	4	2.0	N47 D20...	BWD,SSJ				**DIN LN3**
123d Coupe									
E 82	10.07→	4	2.0	N47 D20...	BWD,SSJ				**DIN LN3**
125i Cabriolet									
E 88	03.08→	6	3.0	N52 B30...		**56219**			
130i									
E 87	09.05 - 08.09	6	3.0	N52 B30...		**56219**			
316i									
E 46	02.02 - 03.04	4	1.8	N42 B18A <NG4>		**56638**		**574.035**	
316i Compact									
E 36	03.94 - 09.00	4	1.6	16 4E 2 <M 43 B 16>		**55457**		**560.035**	
	11.95 - 09.00	4	1.6	16 4E 2 <M 43 B 16..Gas CNG>		**56219**			
	12.98 - 09.00	4	1.9	19 4E 1 <M 43 B 19>		**55457**		**560.035**	
316ti Compact									
E 36	09.94 - 09.96	4	1.8	18 4S 1 <M 42 B 18>		**55457**		**560.035**	
	12.95 - 09.00	4	1.9	19 4S 1 <M 44 B 19>		**55457**		**560.035**	
E 46	06.01 - 03.04	4	1.8	N42 B18A <NG4>		**56638**		**574.035**	
	04.04 - 12.04	4	1.6	N45 B16A <NG4>		**56638**		**574.035**	
			1.8	N46 B18A <NG4>		**56638**		**574.035**	
318i									
E 30	09.87 - 12.91	4	1.8	18 4E 1 <M 40 B 18>		**56219**			
	07.88 - 12.92	4	1.8	18 4E 1 <M40 B18>		**55457**		**560.035**	
E 36	12.90 - 02.94	4	1.8	18 4E 1 <M 40 B 18>		**55457**		**560.035**	
	03.92 - 10.96	4	1.8	18 4S 1 <M 42 B 18>			**60038**		
	09.93 - 12.98	4	1.8	18 4E 2 <M 43 B 18>		**55457**		**560.035**	
E 46	11.98 - 09.01	4	1.9	19 4E 1 <M 43 B 19>		**56219**			
	09.01 - 03.04	4	2.0	N42 B20A <NG4>		**56638**		**574.035**	
	04.04 - 03.05	4	2.0	N46 B20... <NG4>		**56638**		**574.035**	
318i Cabriolet									
E 30	09.90 - 12.93	4	1.8	18 4E 1 <M 40 B 18>		**56219**			
318iS									
E 30	09.89 - 12.91	4	1.8	18 4S 1 <M 42 B 18>		**56219**			
E 36	03.92 - 12.96	4	1.8	18 4S 1 <M 42 B 18>		**55457**		**560.035**	
	03.95 - 08.99	4	1.9	19 4S 1 <M 44 B 19>		**55457**		**560.035**	
	07.96 - 10.98	4	1.8	19 4S 1 <M44 B 19>		**55457**		**560.035**	
318ti Compact									
E 46	04.04 - 12.04	4	2.0	N46 B20... <NG4>		**56638**		**574.035**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
320Ci									
E 46	09.00 - 05.06	6	2.2	22 6S 1 <M 54>		**56638**		**574.035**	
320d									
E 90	03.05 - 09.07	4	2.0	20 4D 4 <M 47N>	SSJ				**DIN LN5**
					SSN	**58014**			
	09.07 - 03.10	4	2.0	N47 D20...	BWD,SSJ				**DIN LN5**
320d Cabriolet									
E 93	03.08 - 02.10	4	2.0	N47 D20...	BWD,SSJ				**DIN LN5**
320d Coupe									
E 92	03.07 - 02.10	4	2.0	N47 D20...	BWD,SSJ				**DIN LN5**
					SSN		**60038**		
	09.08 - 02.10	4	2.0	N47 D20C	BWD,SSJ				**DIN LN5**
320d Touring									
E 91	09.07 - 02.10	4	2.0	N47 D20...	BWD,SSJ				**DIN LN5**
	09.08 - 02.10	4	2.0	N47 D20C	BWD,SSJ				**DIN LN5**
320i									
E 30	12.85 - 12.91	6	2.0	20 6E E/20 6K A <M 20 B 20>		**56219**			
E 36	10.91 - 10.96	6	2.0	20 6S 1/2 <M50 B20>		**55457**		**560.035**	
E 46	09.00 - 03.05	6	2.2	22 6S 1 <M 54>		**56638**		**574.035**	
E 90	03.05 - 12.11	4	2.0	N46 B20... <NG4>		**55066**			
320i Touring									
E 46	09.00 - 09.05	6	2.2	22 6S 1 <M 54>		**56638**		**574.035**	
E 91	09.05 - 05.12	4	2.0	N46 B20... <NG4>		**55066**			
323Ci									
E 46	04.98 - 09.00	6	2.5	25 6S 4 <M 52 B 25>		**56638**		**574.035**	
323Ci Cabriolet									
E 46	03.00 - 09.00	6	2.5	25 6S 4 <M 52 B 25>		**58014**			
323i									
E 36	03.95 - 06.99	6	2.5	25 6S 3 <M 52 B 25>				**575.035**	
	10.96 - 10.98	6	2.5	25 6S 3 <M52 B25>		**56318**		**575.035**	
E 46	04.98 - 09.00	6	2.5	25 6S 4 <M 52 B 25>		**56638**		**574.035**	
E 90	09.05 - 12.11	6	2.5	N52 B25... <NG6>				**574.035**	
323i Coupe									
E 92	09.06 - 02.12	6	2.5	N52 B25A <NG6>				**574.035**	
323i Touring									
E 91	09.05 - 05.12	6	2.5	N52 B25A <NG6>				**574.035**	
325Ci									
E 46	09.00 - 05.06	6	2.5	25 6S 5 <M 54>		**56638**		**574.035**	
325Ci Cabriolet									
E 46	09.00 - 08.06	6	2.5	25 6S 5 <M 54>		**58014**			
325i									
E 30	12.86 - 12.91	6	2.5	25 6K 1 <M 20 B 25 Kat.>		**56638**		**574.035**	
E 36	04.91 - 08.95	6	2.5	25 6S 1/2 <M50 B25>		**56318**		**575.035**	
	03.92 - 12.95	6	2.5	25 6S 1/2 <M 50 B 25>		**56318**		**575.035**	
	04.92 - 08.93	6	2.5	25 6S 2 <M50 B 25>		**56318**		**575.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
E 46	09.00 - 03.05	6	2.5	25 6S 5 <M 54>		**56638**		**574.035**	
E 90	03.05 - 12.11	6	2.5	N52 B25... <NG6>		**56638**		**574.035**	
325i Cabriolet									
E 93	03.07→	6	2.5	N52 B25... <NG6>				**574.035**	
325i Coupe									
E 92	09.06→	6	2.5	N52 B25... <NG6>				**574.035**	
325ti Compact									
E 46	06.01 - 12.04	6	2.5	25 6S 5 <M 54>		**56638**		**574.035**	
328Ci									
E 46	04.98 - 09.00	6	2.8	28 6S 2 <M 52 B 28>		**56638**		**574.035**	
328i									
E 36	03.95 - 06.99	6	2.8	28 6S 1 <M 52 B 28>				**575.035**	
	08.95 - 10.98	6	2.8	28 6S 1 <M52 B 28>		**56318**		**575.035**	
E 46	11.98 - 09.00	6	2.8	28 6S 2 <M 52 B 28>		**55457**		**560.035**	
330Ci									
E 46	05.00 - 05.06	6	3.0	30 6S 3 <M 54>		**56638**		**574.035**	
330Ci Cabriolet									
E 46	05.00 - 08.06	6	3.0	30 6S 3 <M 54>		**58014**			
330d									
E 90	09.08 - 12.11	6	3.0	N57 D30A	BWD,SSJ				**DIN LN5**
330d Cabriolet									
E 93	03.09→	6	3.0	N57 D30A	BWD,SSJ				**DIN LN5**
330d Coupe									
E 92	09.08→	6	3.0	N57 D30A	BWD,SSJ				**DIN LN5**
330i									
E 46	05.00 - 04.05	6	3.0	30 6S 3 <M 54>		**56638**		**574.035**	
E 90	03.05 - 12.11	6	3.0	N52 B30...		**56638**		**574.035**	
335i									
E 90	09.06 - 03.10	6	3.0	N54 B30A <NG6>				**574.035**	
335i Cabriolet									
E 93	03.07 - 02.10	6	3.0	N54 B30A <NG6>				**574.035**	
335i Coupe									
E 92	09.06 - 02.10	6	3.0	N54 B30A <NG6>				**574.035**	
335i Touring									
E 91	09.06 - 02.10	6	3.0	N54 B30A <NG6>				**574.035**	
520d									
F 10	05.10→	4	2.0	N47 D20C <N47N>	SSJ				**DIN LN3**
520i									
E 34	09.89 - 12.95	6	2.0	20 6S 1/2 <M 50 B 20>		**55457**		**560.035**	
E 60	09.07 - 02.10	4	2.0	N43 B20A <NG4>		**58014**			

◀ BMW

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
523i									
E 39	09.95 - 09.00	6	2.5	25 6S 3/4 <M 52 B 25>		**56638**		**574.035**	
E 60	03.05 - 02.10	6	2.5	N52 B25... <NG6>		**58014**			
525i									
E 34	01.88 - 12.90	6	2.5	25 6K 1 <M 20 B 25>		**56638**		**574.035**	
	09.89 - 12.95	6	2.5	25 6S 1/2 <M 50 B 25>		**56638**		**574.035**	
E 39	09.00 - 07.03	6	2.5	25 6S 5 <M 54>		**56638**		**574.035**	
E 60	09.03 - 03.05	6	2.5	25 6S 5 <M 54>		**58014**			
	03.05 - 02.10	6	2.5	N52 B25... <NG6>		**58014**			
528i									
E 39	09.95 - 11.00	6	2.8	28 6S 1/2 <M 52 B 28>		**56638**		**574.035**	
528i Touring									
E 39	01.97 - 09.00	6	2.8	28 6S 1/2 <M 52 B 28>		**56638**		**574.035**	
530d									
E 60	09.05 - 03.07	6	3.0	30 6D 3 <M 57N2>			**60038**		
530i									
E 34	09.92 - 12.95	8	3.0	30 8S 1 <M 60 B 30>		**56638**		**574.035**	
E 39	09.00 - 07.03	6	3.0	30 6S 3 <M 54>			**60038**		
E 60	07.03 - 03.05	6	3.0	30 6S 3 <M 54>		**58014**			
	03.05 - 02.10	6	3.0	N52 B30...		**58014**			
	03.07 - 02.10	6	3.0	N53 B30A <NG6>		**58014**			
530i Touring									
E 39	09.00 - 05.04	6	3.0	30 6S 3 <M 54>			**60038**		
E 61	03.05 - 08.10	6	3.0	N52 B30...		**58014**			
	03.07 - 08.10	6	3.0	N53 B30A <NG6>			**60038**		
535i									
E 34	01.88 - 04.93	6	3.5	34 6K B <M 30 B 35>		**56638**		**574.035**	
E 39	01.96 - 07.03	8	3.5	35 8S 1/2 <M 62 B 35>			**60038**		
540i									
E 34	09.92 - 09.95	8	4.0	40 8S 1 <M 60 B 40>			**60038**		
E 39	01.96 - 07.03	8	4.4	44 8S 1/2 <M 62 B 44>			**60038**		
E 60	09.05 - 02.10	8	4.0	N62 B40A <NGV8>			**60038**		
545i									
E 60	09.03 - 09.05	8	4.4	N62 B44A <NGV8>			**60038**		
550i									
E 60	09.05 - 02.10	8	4.8	N62 B48B <NGV8>			**60038**		
645Ci									
E 63	01.04 - 09.05	8	4.4	N62 B44A <NGV8>			**60038**		
645Ci Cabriolet									
E 64	04.04 - 09.05	8	4.4	N62 B44A <NGV8>			**60038**		
650i									
E 63	09.05 - 07.10	8	4.8	N62 B48B <NGV8>			**60038**		
650i Cabriolet									
E 64	09.05 - 07.10	8	4.8	N62 B48B <NGV8>			**60038**		

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
730d									
F 01	11.08 - 06.12	6	3.0	N57 D30A	BWD,SSJ				**DIN LN5**
730i, 730iL									
E 32	09.86 - 06.94	6	3.0	30 6K A <M 30 B 30>		**56638**		**574.035**	
	09.91 - 10.94	8	3.0	30 8S 1 <M 60 B 30>		**56638**		**574.035**	
E 38	06.94 - 12.96	8	3.0	30 8S 1 <M 60 B 30>			**60038**		
735i									
E 65	11.01 - 03.05	8	3.6	N62 B36A <NGV8>			**60038**		
735i, 735iL									
E 32	09.86 - 12.92	6	3.4	34 6E C/K B <M 30 B 35>		**58014**			
E 38	09.94 - 10.01	8	3.5	35 8S 1/2 <M 62 B 35>			**60038**		
735Li									
E 66	03.02 - 03.05	8	3.6	N62 B36A <NGV8>			**60038**		
740i, 740iL									
E 32	09.91 - 10.94	8	4.0	40 8S 1 <M 60 B 40>		**58014**			
E 38	06.94 - 06.96	8	4.0	40 8S 1 <M 60 B 40>			**60038**		
	01.96 - 08.01	8	4.4	44 8S 1/2 <M 62 B 44>			**60038**		
745i									
E 65	11.01 - 03.05	8	4.4	N62 B44A <NGV8>			**60038**		
745Li									
E 66	03.02 - 03.05	8	4.4	N62 B44A <NGV8>			**60038**		
750i, 750iL									
E 32	09.87 - 10.94	12	5.0	50 12 A <M 70 B 50>		**58014**			
E 38	06.94 - 06.01	12	5.4	54 12 1/2 <M 73 B 54>			**60038**		
760Li									
E 66	12.02 - 10.08	12	6.0	N73 B60... <NGV12>			**60038**		
840Ci									
E 31	09.94 - 12.99	8	4.4	44 8S 1 <M 62 B 44>		**56318**		**575.035**	
840i									
E 31	04.93 - 03.96	8	4.0	40 8S 1 <M 60 B 40>			**60038**		
850 CSi									
E 31	08.92 - 10.96	12	5.6	56 12 1 <M 70 B 56>		**56318**		**575.035**	
850i, 850Ci									
E 31	07.89 - 12.94	12	5.0	50 12 A <M 70 B 50>		**56318**		**575.035**	
CHRYSLER									
Crossfire									
ZH	09.03 - 08.08	6	3.2	EGX				**574.035**	
	09.04 - 08.06	6	3.2	EGZ				**574.035**	
	09.04 - 08.08	6	3.2	EGX				**574.035**	
Neon									
PL	06.94 - 08.99	4	2.0	ECB		**56217**			
	09.97 - 12.00	4	1.8	EBD		**56217**			

C

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
◀ CHRYSLER									
PL	09.99 - 12.05	4	2.0	ECB		**56217**			
PT Cruiser									
PT	06.00 - 12.05	4	2.0	ECC		**55457**		**560.035**	
	06.00 - 12.10	4	2.4	EDZ		**55457**		**560.035**	
Voyager									
RS	08.00→	6	3.3	EGA GAS		**56640**		**574.135**	
300C									
LX	09.04 - 08.10	8	6.1	ESF			**60038**		
LE	10.04 - 08.10	6	3.5	EGG		**58014**			
		8	5.7	EZ...		**58014**			
	01.05 - 08.10	8	6.1	ESF		**58014**			
	10.05 - 08.10	6	3.0	EXL			**60038**		

CITROEN

Berlingo									
M49	07.96 - 11.02	4	1.4	KFX <TU3JP>		**56219**			
M59	11.02 - 03.10	4	1.4	KFW <TU3JP/TU3A>		**56219**			
B9	05.08 - 11.11	4	1.6	9HX <DV6ATED4/DV6AUTED4>	SSJ				**DIN LN3**
BX									
X56	03.86 - 12.94	4	1.9	DFZ Kat. <XU9J1/Z>		**56219**			
	03.88 - 03.93	4	1.9	DFW Kat. <XU9J4/Z>		**56219**			
CX									
	07.83 - 12.92	4	2.5	M25-659 <EN5L>		**56638**		**574.035**	
C2									
A6	09.03 - 12.09	4	1.6	NFU <TU5JP4>		**56219**			
	10.04 - 05.09	4	1.6	NFS <TU5JP4S>		**56219**			
C3									
A8	01.02 - 08.05	4	1.4	KFV <TU3JP>		**55066**			
			1.6	NFU <TU5JP4>		**55066**			
A31	09.05 - 05.09	4	1.6	NFU <TU5JP4>		**55066**			
	09.05 - 12.09	4	1.6	9HX <DV6ATED4>		**56219**			
A51	09.09→	4	1.6	5FS <EP6C>	SSJ				**DIN LN3**
C4									
B5	11.04 - 03.08	4	2.0	RFK <EW10J4S>		**56219**			
	11.04 - 07.08	4	2.0	RFJ <EW10A>		**56219**			
	11.04 - 09.10	4	1.6	9H... <DV6TED4>		**56219**			
B58	02.07 - 12.11	4	1.6	9H... <DV6TED4>	SSJ				**DIN LN3**
					SSN			**574.035**	
C4 Picasso									
B58	10.06 - 12.11	4	2.0	RHJ <DW10BTED4>	SSJ				**DIN LN3**
				RHR <DW10BTED4>	SSJ				**DIN LN3**
					SSN			**574.035**	
	02.07 - 10.08	4	2.0	RFJ <EW10A>	SSJ				**DIN LN3**
					SSN			**574.035**	
	02.07 - 12.11	4	2.0	RHR <DW10BTED4>	SSJ				**DIN LN3**
					SSN			**574.035**	
	09.10→	4	2.0	RHH <DW10CTED4/FAP>	SSJ				**DIN LN3**

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
C5									
X4	03.01 - 09.04	4	2.0	RFN <EW10J4>		**56219**			
				RHZ <DW10ATED>				**574.035**	
		6	3.0	XFX <ES9J4S>				**574.035**	
	06.01 - 09.04	4	2.0	RFN <EW10J4>		**56219**			
				RHZ <DW10ATED>				**574.035**	
		6	3.0	XFX <ES9J4S>		**56219**			
X3	10.04 - 09.05	4	2.2	4HX <DW12TED4>				**574.035**	
						56638		**574.035**	
	10.04 - 04.07	6	3.0	XFU <ES9A>		**56638**		**574.035**	
	10.04 - 03.08	4	2.0	RFJ <EW10A>; RHR... <DW10BTED4>		**56638**		**574.035**	
	03.06 - 03.08	4	2.2	4H... <DW12BTED4>		**56638**		**574.035**	
	04.06 - 03.08	4	2.2	4H ... <DW12BTED4>				**574.035**	
X7	04.08 - 07.09	6	2.7	UHZ <DT17TED4>	SSJ				**DIN LN3**
	04.08 - 01.10	4	2.0	RFJ <EW10A>	SSJ				**DIN LN3**
	07.09→	6	3.0	X8Z <DT20C>	SSJ				**DIN LN3**
	09.09→	4	1.6	5FV <EP6CDT>	SSJ				**DIN LN3**
			2.0	RHH <DW10CTED4>	SSJ				**DIN LN3**
C6									
X6	11.05 - 07.09	6	2.7	UHZ <DT17TED4>				**575.035**	
DS3									
A55	01.10→	4	1.4	8F... <EP3C>	SSJ				**DIN LN3**
			1.6	5FR <EP6DT>	SSJ				**DIN LN3**
DS4									
B75	03.11→	4	1.6	5FU <EP6CDTX>; 5FV <EP6CDT>; 9HR <DV6C>	SSJ				**DIN LN3**
Xantia									
X1	03.93 - 01.98	4	2.0	RFX Kat. <XU10J2C/Z, L3>		**56219**			
	12.94 - 01.98	4	2.0	RFV <XU10J4R>		**56219**			
	05.95 - 01.98	4	2.0	RGX <XU10J2CTE>		**56219**			
X2	12.97 - 12.01	4	1.9	DHX <XUD9BTF/L3>		**56219**			
			2.0	RFV <XU10J4R>; RFX <XU10J2C/L3>; RGX <XU10J2TE>		**56219**			
Xantia Break									
X1	09.95 - 01.98	4	2.0	RFX Kat. <XU10J2C/Z, L3>		**56219**			
X2	01.98 - 12.01	6	3.0	XFZ <ES9J4>				**574.035**	
XM									
Y3	05.89 - 06.93	6	3.0	SFZ,S6A <ZPJ>		**56638**		**574.035**	
	06.93 - 06.94	6	3.0	UFZ <ZPJ>				**574.035**	
Y4	07.94 - 12.97	6	3.0	UFZ <ZPJ>				**574.035**	
	07.94 - 10.00	6	3.0	XFZ <ES9J4>				**574.035**	
Xsara									
N6	07.97 - 08.00	4	1.6	NFZ <TU5JP>		**55066**			
			1.8	LFY <XU7JP4>		**56219**			
				LFZ <XU7JP>		**55066**			
			2.0	RFS <XU10J4RS>		**55066**			
				RFV <XU10J4R>		**56219**			
N7	09.00 - 12.05	4	1.6	NFU <TU5JP4>		**56219**			
			2.0	RFN <EW10J4>; RFS <XU10J4RS>		**56219**			

C


















DAEWOO

Cielo								
	08.94 - 08.97	4	1.5	A15MF <DOHC>; G15MF <SOHC>	**56219**			
Espero								
KLEJ	09.93 - 10.94	4	2.0	C20LE	**56219**			
	03.97 - 10.99	4	2.0	C20LE	**56219**			
Kalos								
	05.02 - 12.04	4	1.5	F15S3	**22FR-520**	**22FR-610**	**22FR-680**	
Korando								
KJ	07.96 - 12.00	4	2.3	M161 E23 <MB-M 111.>	**95D31R**	**105D31R**	**125D31R**	
		6	3.2	M162 E32 <MB-M 104.>	**95D31R**	**105D31R**	**125D31R**	
Lacetti								
KLAN	03.04 - 01.05	4	1.8	T18SED	**56219**			
Lanos								
KLAT	11.96 - 09.03	4	1.5	A15SMS <E-TEC>	**55458**			
	04.97 - 09.03	4	1.6	A16DMS; A16DMS <E-TEC>	**55458**			
	04.00 - 05.03	4	1.5	A15SMS <SOHC Family I>	**55458**			
Leganza								
KLAV, V100	03.97 - 12.02	4	2.0	X20SED	**56217**			
	09.98 - 12.02	4	2.2	T22SED	**56217**			
Matiz								
KLYA	04.98 - 01.05	3	0.8	F8CV	**40B19R**		**46B19R**	
Musso								
MJ	07.93 - 12.00	5	2.9	OM 662 D29 <OM 602.910>	**95D31R**	**105D31R**	**125D31R**	
	01.96 - 12.00	6	3.2	M162 E32 <MB-M 104.992>	**95D31R**	**105D31R**	**125D31R**	
	05.96 - 12.00	4	2.3	M161 E23 <MB-M 111.970>	**95D31R**	**105D31R**	**125D31R**	
	05.97 - 12.00	5	2.9	OM662 D29 <MB-OM 602>	**95D31R**	**105D31R**	**125D31R**	

DAIHATSU

Altis								
SXV20N	03.00 - 09.01	4	2.2	5SFE	**55D23L**	**80D23L**	**90D23L**	
SXV25N	03.00 - 09.01	4	2.2	5SFE	**55D23L**	**80D23L**	**90D23L**	
ACV30N	09.01 - 12.05	4	2.4	2AZFE	**55D23L**	**80D23L**	**90D23L**	
ACV35N	09.01 - 12.05	4	2.4	2AZFE	**55D23L**	**80D23L**	**90D23L**	
Altis 2.4i								
ACV40N	01.06 - 02.10	4	2.4	2AZFE			**90D23L**	
Altis 2.4i 4WD								
ACV45N	01.06 - 02.10	4	2.4	2AZFE			**90D23L**	
Applause								
	06.89 - 07.97	4	1.6	HDE <Kat.>	**55B24L**			
	06.89 - 12.99	4	1.6	HDE	**55B24L**			
A101S	06.89 - 05.00	4	1.6	HDE	**40B19L**		**46B19L**	
	09.97 - 04.00	4	1.6	HDE <Kat.>	**55B24L**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Atrai									
S220G	05.99 - 04.05	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
S230G	05.99 - 04.05	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
S221G	07.00 - 11.04	4	1.3	K3VE		**40B19L**		**46B19L**	
S231G	07.00 - 11.04	4	1.3	K3VE		**40B19L**		**46B19L**	
S320G	05.05 - 12.07	3	0.7	EFDET				**46B19L**	
S330G	05.05 - 12.07	3	0.7	EFDET				**46B19L**	
Atrai Wagon 0.7i Turbo									
S321G	09.07→	3	0.7	KFDET				**46B19L**	
Atrai Wagon 0.7i Turbo 4WD									
S321G	09.07→	3	0.7	KFDET				**46B19L**	
Atrai 0.6									
S80V	05.86 - 04.90	3	0.6	EB				**46B19L**	
Atrai 0.7									
S120V	12.95 - 12.98	3	0.7	EFGS		**40B19L**		**46B19L**	
Atrai 0.7 4WD									
S130V	12.95 - 12.98	3	0.7	EFGS		**40B19L**		**46B19L**	
Atrai 0.7i									
S220V	12.98 - 12.01	3	0.7	EFVE		**40B19L**		**46B19L**	
Atrai 0.7i Turbo									
S82V	08.91 - 01.94	3	0.7	EFTS		**40B19L**		**46B19L**	
Atrai 0.7i Turbo 4WD									
S83V	08.91 - 01.94	3	0.7	EFTS		**40B19L**		**46B19L**	
Atrai 0.7i 4WD									
S230V	12.98 - 12.01	3	0.7	EFVE		**40B19L**		**46B19L**	
Bego 1.5i									
J200G	01.06→	3	1.5	3SZVE				**46B19L**	
Bego 1.5i 4WD									
J210G	01.06→	3	1.5	3SZVE				**46B19L**	
Boon									
M300S	06.04 - 02.10	3	1.0	1KRFE		**40B19L**		**46B19L**	
M301S	06.04 - 02.10	4	1.3	K3VE		**40B19L**		**46B19L**	
M310S	06.04 - 02.10	3	1.0	1KRFE		**40B19L**		**46B19L**	
Boon 0.9i Turbo 4WD									
M312S	03.06 - 02.10	4	0.9	KJVET				**46B19L**	
Charade									
G100	03.87 - 12.92	3	1.0	CB23		**55B24L**			
G102	06.88 - 10.90	4	1.3	HCE <Kat.>		**55B24L**			
	11.90 - 12.92	4	1.3	HCE; HCE <Kat.>		**55B24L**			
G200	01.93 - 09.00	4	1.3	HCE <Kat.>		**55B24L**			
G202	05.93 - 12.95	3	1.0	CB24		**55B24L**			
G200	05.93 - 04.96	4	1.3	HCE		**55B24L**			
G203	06.94 - 09.00	4	1.5	HEEG		**55B24L**			
L500 Centro	03.95 - 05.05	3	0.7	EFEL		**55B24L**			

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Coo 1.3i									
M401S	05.06→	4	1.3	K3VE				**46B19L**	
Coo 1.3i 4WD									
M411S	05.06→	4	1.3	K3VE				**46B19L**	
Coo 1.5i									
M402S	05.06→	4	1.5	3SZVE				**46B19L**	
Copen Cabriolet									
L880	06.02→	4	0.7	JBDET				**46B19L**	
Cuore									
L701	10.98 - 12.02	3	1.0	EJDE		**55B24L**			
L251	03.03 - 12.07	3	1.0	EJ		**40B19L**		**46B19L**	
Delta Van									
CR41J/CR51J	10.96 - 12.98	4	2.0	2C			**90D26R**	**110D26R**	
CR42J/CR52J	01.99 - 08.02	4	2.2	3CE			**90D26R**	**110D26R**	
Delta Wagon									
CR40N	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
CR50N	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
CR40N	01.99 - 10.01	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
Delta Wagon 2.0i 4WD									
SR50N	01.98 - 10.01	4	2.0	3SFE		**40B19R**		**46B19R**	
Delta Wagon 2.2 Diesel Turbo 4WD									
CR50N	01.99 - 10.01	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
Delta Wide									
CB27V	08.88 - 09.96	4	2.0	2C			**90D26R**	**110D26R**	
CB22G	09.93 - 09.96	4	2.2	3CT			**90D26R**	**110D26R**	
CB31G	10.94 - 09.96	4	2.2	3CT			**90D26R**	**110D26R**	
Delta Wide Van 1.8									
YB25V	08.88 - 09.96	4	1.8	2YJ				**46B19R**	
Esse 0.7i									
L235S	11.05→	3	0.7	KFVE				**46B19L**	
Esse 0.7i 4WD									
L245S	11.05→	3	0.7	KFVE				**46B19L**	
Feroza									
F300	10.88 - 10.99	4	1.6	HDC; HDE		**40B19R**		**46B19R**	
F310	05.92 - 10.99	4	1.6	HDE <Kat.>		**40B19R**		**46B19R**	
Hijet									
S85	05.86 - 11.92	3	1.0	CB		**40B19R**		**46B19R**	
Hijet Cargo 0.7i									
S200C/S200V/ S200W	12.98 - 12.07	3	0.7	EFSE; EFVE		**40B19L**		**46B19L**	
S320V	11.04 - 12.07	3	0.7	EFVE				**46B19L**	
S320V/S320W	11.04 - 12.07	3	0.7	EFSE				**46B19L**	

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
Hijet Cargo 0.7i CNG									
S200V	11.99 - 12.04	3	0.7	EFVN		**40B19L**		**46B19L**	
Hijet Cargo 0.7i CNG 4WD									
S210V	11.99 - 12.04	3	0.7	EFVN		**40B19L**		**46B19L**	
Hijet Cargo 0.7i Turbo									
S200V	01.02 - 11.04	3	0.7	EFDET				**46B19L**	
S320V	11.04 - 12.07	3	0.7	EFDET				**46B19L**	
Hijet Cargo 0.7i Turbo 4WD									
S210V	01.02 - 11.04	3	0.7	EFDET				**46B19L**	
S330V	11.04 - 12.07	3	0.7	EFDET				**46B19L**	
Hijet Cargo 0.7i 4WD									
S210V/S210W	12.98 - 11.04	3	0.7	EFVE		**40B19L**		**46B19L**	
S210C/S210V/ S210W	12.98 - 12.07	3	0.7	EFSE		**40B19L**		**46B19L**	
S330V/S330W	11.04 - 12.07	3	0.7	EFSE; EFVE				**46B19L**	
Hijet Grancargo 1.3i									
S221V	07.01 - 11.04	4	1.3	K3VE		**40B19L**		**46B19L**	
Hijet Grancargo 1.3i 4WD									
S231V	07.01 - 11.04	4	1.3	K3VE		**40B19L**		**46B19L**	
Hijet Truck 0.6									
S80P/S81P	05.86 - 04.90	3	0.6	EB		**40B19L**		**46B19L**	
Hijet Truck 0.6 Turbo									
S80P/S81P	05.87 - 04.90	3	0.6	EB				**46B19L**	
Hijet Truck 0.7i									
S200P	12.98 - 12.07	3	0.7	EFSE; EFVE		**40B19L**		**46B19L**	
Hijet Truck 0.7i 4WD									
S210P	12.98 - 12.07	3	0.7	EFSE; EFVE		**40B19L**		**46B19L**	
Leeza									
L111S	08.90 - 07.92	3	0.7	EFHL		**40B19L**		**46B19L**	
	01.91 - 07.92	3	0.7	EFJL		**40B19L**		**46B19L**	
Leeza Cabriolet									
L111SK	11.91 - 07.92	3	0.7	EFJL		**40B19L**		**46B19L**	
Max									
L950S	11.01 - 11.05	3	0.7	EFDET; EFVE				**46B19L**	
L952S	11.01 - 11.05	4	0.7	JBDET				**46B19L**	
L960S	11.01 - 11.05	3	0.7	EFDET; EFVE				**46B19L**	
L962S	11.01 - 11.05	4	0.7	JBDET				**46B19L**	
Midget II 0.7									
K100P	03.96 - 08.99	3	0.7	EFCK		**40B19L**		**46B19L**	
K100C	01.97 - 08.99	3	0.7	EFCK		**40B19L**		**46B19L**	
Midget II 0.7i									
K100C	08.99 - 07.01	3	0.7	EFSE		**40B19L**		**46B19L**	
K100P	08.99 - 07.01	3	0.7	EFSE		**40B19L**		**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Mira									
L70S	08.85 - 02.90	3	0.6	EB				**46B19L**	
L201	01.90 - 12.94	3	0.9	ED10		**40B19RS**			
L200S	03.90 - 08.94	3	0.7	EFJL		**40B19L**		**46B19L**	
	03.90 - 01.95	3	0.7	EFCL; EFHL		**40B19L**		**46B19L**	
L210S	03.90 - 01.95	3	0.7	EFHL		**40B19L**		**46B19L**	
L220S	04.90 - 07.93	3	0.7	EFJL		**40B19L**		**46B19L**	
L210S	11.90 - 08.94	3	0.7	EFJL		**40B19L**		**46B19L**	
L200S	08.91 - 08.94	3	0.7	EFEL		**40B19L**		**46B19L**	
L210S	10.91 - 01.95	3	0.7	EFEL		**40B19L**		**46B19L**	
L200	01.92 - 12.95	3	0.7	EFEL		**40B19RS**			
L200S	08.92 - 08.94	3	0.7	EFKL		**40B19L**		**46B19L**	
L500S	08.94 - 10.95	3	0.7	EFEL; EFJL; EFKL		**40B19L**		**46B19L**	
L510S	08.94 - 10.95	3	0.7	EFEL		**40B19L**		**46B19L**	
L502S	08.94 - 08.98	4	0.7	JBEL; JBJL		**40B19L**		**46B19L**	
L512S	08.94 - 08.98	3	0.7	JBJL		**40B19L**		**46B19L**	
L500S	10.94 - 08.98	3	0.7	EFFL		**40B19L**		**46B19L**	
Centro	01.95 - 01.05	3	0.7	EFEL		**40B19LS**			
L500S	10.95 - 05.97	3	0.7	EFGL		**40B19L**		**46B19L**	
	10.95 - 08.98	3	0.7	EFRL; EFZL		**40B19L**		**46B19L**	
L510S	10.95 - 08.98	3	0.7	EFZL		**40B19L**		**46B19L**	
	08.97 - 08.98	3	0.7	EFRL		**40B19L**		**46B19L**	
L700S	10.98 - 09.01	3	0.7	EFDET		**40B19L**		**46B19L**	
L710S	10.98 - 09.01	3	0.7	EFDET		**40B19L**		**46B19L**	
L700S	10.98 - 12.02	3	0.7	EFSE				**46B19L**	
				EFVE		**40B19L**		**46B19L**	
L710S	10.98 - 12.02	3	0.7	EFSE				**46B19L**	
				EFVE		**40B19L**		**46B19L**	
L700S	03.99 - 10.04	3	0.7	EFDET				**46B19L**	
				EFVE		**40B19L**		**46B19L**	
L710S	03.99 - 10.04	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
L701S	08.02 - 10.04	3	1.0	EJVE		**40B19L**		**46B19L**	
L711S	08.02 - 10.04	3	1.0	EJVE		**40B19L**		**46B19L**	
L250S	12.02 - 12.04	3	0.7	EFVE		**40B19L**		**46B19L**	
L260S	12.02 - 12.04	3	0.7	EFVE				**46B19L**	
L250S	12.02 - 11.06	3	0.7	EFSE		**40B19L**		**46B19L**	
				EFVD				**46B19L**	
L260S	12.02 - 11.06	3	0.7	EFSE				**46B19L**	
L250S	12.02 - 12.06	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
L260S	12.02 - 12.06	3	0.7	EFDET; EFVE				**46B19L**	
L650S	11.04 - 03.09	3	0.7	EFVE				**46B19L**	
L660S	11.04 - 03.09	3	0.7	EFVE				**46B19L**	
Mira Van 0.6									
L70V	08.85 - 02.90	3	0.6	EB				**46B19L**	
Mira Van 0.6 Turbo									
L70V	08.85 - 02.90	3	0.6	EB				**46B19L**	
Mira Van 0.7									
L200V	03.90 - 01.95	3	0.7	EFCL		**40B19L**		**46B19L**	
L500V	08.94 - 08.98	3	0.7	EFCL		**40B19L**		**46B19L**	
Mira Van 0.7 Turbo									
L200V	03.90 - 08.92	3	0.7	EFXL		**40B19L**		**46B19L**	
Mira Van 0.7 4WD									
L210V	04.90 - 08.94	3	0.7	EFCL		**40B19L**		**46B19L**	
L510V	08.94 - 08.98	3	0.7	EFCL		**40B19L**		**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Mira Van 0.7i									
L700V	10.98 - 12.02	3	0.7	EFSE		**40B19L**		**46B19L**	
	10.01 - 12.02	3	0.7	EFVE				**46B19L**	
L250V	12.02 - 12.07	3	0.7	EFSE; EFVE		**40B19L**		**46B19L**	
Mira Van 0.7i CNG									
L700V	11.99 - 12.02	3	0.7	EFVN		**40B19L**		**46B19L**	
L250V	12.02 - 12.07	3	0.7	EFVN		**40B19L**		**46B19L**	
Mira Van 0.7i CNG 4WD									
L710V	11.99 - 12.02	3	0.7	EFVN		**40B19L**		**46B19L**	
L260V	08.05 - 12.07	3	0.7	EFVN				**46B19L**	
Mira Van 0.7i 4WD									
L210V	08.92 - 08.94	3	0.7	EFEL		**40B19L**		**46B19L**	
L710V	10.98 - 12.02	3	0.7	EFSE		**40B19L**		**46B19L**	
L260V	12.02 - 12.07	3	0.7	EFSE				**46B19L**	
Mira 0.7i									
L275S	12.06→	3	0.7	KFVE				**46B19L**	
Mira 0.7i 4WD									
L285S	12.06→	3	0.7	KFVE				**46B19L**	
Move									
L600S	08.95 - 09.98	3	0.7	EFGL; EFZL		**40B19L**		**46B19L**	
L602S	08.95 - 09.98	4	0.7	JBJL		**40B19L**		**46B19L**	
L610S	08.95 - 09.98	3	0.7	EFZL		**40B19L**		**46B19L**	
L600S	04.96 - 09.98	3	0.7	EFRL		**40B19L**		**46B19L**	
L610S	04.96 - 09.98	3	0.7	EFRL		**40B19L**		**46B19L**	
L601	01.97 - 09.98	3	0.9	ED20		**40B19LS**			
	06.97 - 12.00	3	0.9	ED20		**40B19LS**			
L900S	10.98 - 10.00	3	0.7	EFSE		**40B19L**		**46B19L**	
	10.98 - 09.02	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
L902S	10.98 - 09.02	4	0.7	JBDET		**40B19L**		**46B19L**	
L910S	10.98 - 09.02	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
L912S	10.01 - 09.02	4	0.7	JBDET				**46B19L**	
L150S	10.02 - 09.06	3	0.7	EFDET				**46B19L**	
				EFVE		**40B19L**		**46B19L**	
L152S	10.02 - 09.06	4	0.7	JBDET		**40B19L**		**46B19L**	
L160S	10.02 - 09.06	3	0.7	EFDET; EFVE				**46B19L**	
Move Latte									
L550S	08.04 - 03.09	3	0.7	EFDET; EFVE				**46B19L**	
L560S	08.04 - 03.09	3	0.7	EFDET; EFVE				**46B19L**	
Move 0.7i									
L175S	10.06 - 12.10	3	0.7	KFVE		**40B19L**		**46B19L**	
Move 0.7i Turbo									
L175S	10.06 - 12.10	3	0.7	KFDET		**40B19L**		**46B19L**	
Move 0.7i Turbo 4WD									
L185S	10.06 - 12.10	3	0.7	KFDET				**46B19L**	
Move 0.7i 4WD									
L185S	10.06 - 12.10	3	0.7	KFVE				**46B19L**	
Naked									
L750S	11.99 - 12.03	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ DAIHATSU									
L760S	11.99 - 12.03	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
Opti									
L300S	02.92 - 10.95	3	0.7	EFEL		**40B19L**		**46B19L**	
L310S	02.92 - 10.95	3	0.7	EFEL		**40B19L**		**46B19L**	
L300S	08.92 - 08.98	3	0.7	EFKL		**40B19L**		**46B19L**	
	10.95 - 08.98	3	0.7	EFZL		**40B19L**		**46B19L**	
L310S	10.95 - 08.98	3	0.7	EFZL		**40B19L**		**46B19L**	
L802S	11.98 - 02.00	4	0.7	JBDET		**40B19L**		**46B19L**	
L800S	11.98 - 08.02	3	0.7	EFSE; EFVE		**40B19L**		**46B19L**	
L810S	11.98 - 08.02	3	0.7	EFDET; EFSE; EFVE		**40B19L**		**46B19L**	
L800S	02.00 - 08.02	3	0.7	EFDET		**40B19L**		**46B19L**	
Pyzar									
G303G	08.96 - 07.02	4	1.5	HEEG		**40B19LS**			
	08.98 - 12.00	4	1.6	HD		**40B19LS**			
Rugger									
F73G/F73W/ F78G/F78W	05.93 - 05.97	4	2.8	DL		**95E41**			
Sirion									
M100	04.98 - 05.00	3	1.0	EJDE		**55B24L**			
M101	08.00 - 07.04	4	1.3	K3VE		**55B24L**			
M301	10.04→	4	1.3	K3VE		**40B19L**		**46B19L**	
Sonica 0.7i Turbo									
L405S	05.06 - 04.09	3	0.7	KFDET				**46B19L**	
Sonica 0.7i Turbo 4WD									
L415S	05.06 - 04.09	3	0.7	KFDET				**46B19L**	
Storia									
M100S	01.98 - 05.00	3	1.0	EJDE		**40B19L**		**46B19L**	
M110S	01.98 - 05.00	3	1.0	EJDE		**40B19L**		**46B19L**	
M112S	03.98 - 05.04	4	0.7	JCDET		**40B19L**		**46B19L**	
M100S	05.00 - 05.04	3	1.0	EJVE		**40B19L**		**46B19L**	
M101S	05.00 - 05.04	4	1.3	K3VE2		**40B19L**		**46B19L**	
M110S	05.00 - 05.04	3	1.0	EJVE		**40B19L**		**46B19L**	
M111S	05.00 - 05.04	4	1.3	K3VE2		**40B19L**		**46B19L**	
M101S	12.01 - 05.04	4	1.3	K3VE		**40B19L**		**46B19L**	
M111S	12.01 - 05.04	4	1.3	K3VE		**40B19L**		**46B19L**	
Tanto									
L350S	11.03 - 12.07	3	0.7	EFDET; EFVE		**40B19L**		**46B19L**	
L360S	11.03 - 12.07	3	0.7	EFDET		**40B19L**		**46B19L**	
				EFVE				**46B19L**	
Terios									
J100	03.97 - 05.00	4	1.3	HCEJ		**55B24L**			
J111G	10.98 - 08.06	3	0.7	EFDEM		**40B19L**		**46B19L**	
	10.98→	3	0.7	EFDET		**40B19L**		**46B19L**	
J131G	01.00 - 08.06	3	0.7	EFDEM		**40B19L**		**46B19L**	
	01.00→	3	0.7	EFDET		**40B19L**		**46B19L**	
J102	05.00 - 12.05	4	1.3	K3VE		**40B19LS**			
J102G	08.00 - 12.05	4	1.3	K3VET		**40B19L**		**46B19L**	
J111G	01.02 - 08.03	3	0.7	EFDEM				**46B19L**	
J131G	01.02 - 08.03	3	0.7	EFDEM				**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
YRV									
M200G	08.00 - 12.02	3	1.0	EJVE		**40B19L**		**46B19L**	
M201G	08.00 - 04.05	4	1.3	K3VE		**40B19LS**			
				K3VET		**40B19L**		**46B19L**	
M211G	08.00 - 04.05	4	1.3	K3VE; K3VET		**40B19L**		**46B19L**	
DAIMLER LTD.									
Double Six									
	01.81 - 12.92	12	5.3	V12 H.E		**56219**			
DODGE									
Avenger									
JS	09.07 - 08.11	4	2.0	ECN		**55066**			
Caliber									
PM	09.06 - 08.10	4	1.8	EBA		**55D23R**	**80D23R**	**90D23R**	
	09.06 - 12.10	4	2.0	ECN		**55D23R**	**80D23R**	**90D23R**	
	09.06 - 08.11	4	2.4	ED...		**55D23R**	**80D23R**	**90D23R**	
Journey									
	08.08→	6	2.7	3D4P65F <DOHC>		**22FR-520**	**22FR-610**	**22FR-680**	
Nitro									
KA	09.06 - 08.11	6	3.7	EKG			**90D26R**	**110D26R**	
FERRARI									
California									
	01.09→	8	4.3					**574.035**	
F50									
	07.95 - 10.97	12	4.7					**574.035**	
Mondial									
	10.89 - 02.94	8	3.4	F 119 D		**56638**		**574.035**	
348									
	02.90 - 04.94	8	3.4	F 119 F 000				**574.035**	
355									
	05.94 - 10.99	8	3.5	F129B/40				**574.035**	
	10.95 - 10.10	8	3.5	F129C/40				**574.035**	
360									
	03.99 - 12.04	8	3.6	F131				**574.035**	
	06.00 - 12.05	8	3.6	F131B				**574.035**	
456									
	03.96 - 12.04	12	5.5	F 116 V12				**574.035**	
456GT									
	01.93 - 03.96	12	5.5	F 116 B 00				**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ FERRARI									
512									
	01.92 - 10.94	12	5.0	F 113 D 00/40		**56638**		**574.035**	
512M									
	10.94→	12	5.0	F 110 HB		**56638**		**574.035**	
550									
	10.96 - 12.05	12	5.5	F 133				**574.035**	
575									
	02.02 - 12.06	12	5.7	F 133 48V		**55D26R**	**90D26R**	**110D26R**	
599GTB									
	01.06 - 12.12	12	6.0	6.0 48V			**60038**		
612									
	03.04 - 06.11	12	5.7			**55D26R**	**90D26R**	**110D26R**	
FIAT									
Ducato									
244	04.02 - 08.06	4	2.3	F1AE0481C <M10>		**58515**			
			2.8	8140.43S <M15>		**58515**			
250	06.06→	4	2.3	F1AE0481D <M94>		**58515**			
Punto									
199	10.05 - 12.09	4	1.3	199 A3.000 <M72>		**56219**			
			1.9	939 A1.000 <M88>		**56219**			
	01.06 - 12.09	4	1.9	199 A5.000 <M89>		**56219**			
Ritmo									
198	04.07 - 12.09	4	1.9	937 A5.000 <M92>		**56219**			
	07.07 - 12.09	4	1.4	198 A1.000 <M21>		**55066**			
500									
312	07.07→	4	1.4	169 A3.000 <M17>	SSJ				**DIN LN2**
FORD									
A 0407									
	01.86 - 12.99	4	2.0	NAT <OHC VV LC>; NX <ESSEX V4 1V LC>		**54316**			
			2.5	4AB, 4CA		**54316**			
A 0510 V6									
	01.86 - 12.99	6	3.0	HXC <V6 1V LC>		**54316**			
Capri Convertible									
SA	10.89 - 09.90	4	1.6	F		**40B19LS**			
SA II	10.90 - 03.92	4	1.6	D; T		**40B19LS**			
SC	04.92 - 07.93	4	1.6	D		**55D23L**	**80D23L**	**90D23L**	
	07.92 - 07.93	4	1.6	T		**55D23L**	**80D23L**	**90D23L**	
SE	08.93 - 07.94	4	1.6	D		**40B19LS**			
				T		**55D23L**	**80D23L**	**90D23L**	
Corsair									
UA	09.88 - 08.92	4	2.0	CA20E		**22F-530DF**	**22F-610FD**		
			2.4	KA24E		**22F-530DF**	**22F-610FD**		

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Cougar									
SW/SX	06.99 - 12.00	6	2.5	LCBC <MP25 Duratec-VE SEFI>		**55457**		**560.035**	
Courier									
	09.86 - 08.90	4	2.6	AM		**40B19RS**			
	09.88 - 08.93	4	2.2	F2		**22F-530DF**	**22F-610FD**		
	03.89 - 11.96	4	2.6	F			**22F-610FD**		
	11.89 - 02.95	4	2.0	FE		**22F-530DF**	**22F-610FD**		
	01.90 - 04.95	4	2.2	R2			**105D31L**	**125D31L**	
PC	09.90 - 02.96	4	2.6	G6		**22F-530DF**	**22F-610FD**		
	03.96 - 05.99	4	2.6	G6		**55D23L**	**80D23L**	**90D23L**	
PD	03.96 - 11.99	4	2.6	G6		**55D23L**	**80D23L**	**90D23L**	
	05.96 - 01.99	4	2.6	G6		**55D26L**	**90D26L**	**110D26L**	
PE	02.99 - 10.02	4	2.6	G6		**55D23R**	**80D23R**	**90D23R**	
	08.02→	4	2.5	; WL			**105D31L**	**125D31L**	
PG	11.02 - 08.04	4	2.5	WLAT			**105D31L**	**125D31L**	
			2.6	G6		**55D23R**	**80D23R**	**90D23R**	
	03.04→	6	4.0	Koeln		**55457**		**560.035**	
PH	09.04 - 01.06	4	2.6	G6		**55D23R**	**80D23R**	**90D23R**	
	09.04→	4	2.5	WLAT			**105D31L**	**125D31L**	
Econovan									
	07.81 - 12.97	4	2.2	S2		**95D31R**	**105D31R**	**125D31R**	
	01.84 - 02.97	4	1.8	F8		**40B19LS**			
	05.84 - 12.97	4	1.8	F8		**40B19L**		**46B19L**	
	02.86 - 12.99	4	2.0	RF <Mazda>		**95D31R**	**105D31R**	**125D31R**	
JG	02.97 - 09.99	4	2.0	FE		**40B19LS**			
JH	10.99 - 11.02	4	2.0	FE		**40B19LS**			
	11.02 - 11.05	4	1.8	F8		**40B19LS**			
			2.0	FE		**40B19LS**			
Escape									
ZA	09.00 - 08.05	6	3.0	Duratec		**55D23R**	**80D23R**	**90D23R**	
	09.00 - 08.08	6	3.0	Duratec		**55D26L**	**90D26L**	**110D26L**	
BA	12.00 - 08.08	6	3.0	Duratec <1>		**55D26L**	**90D26L**	**110D26L**	
	01.04→	4	2.3	L3 <L3 MZR>			**80D23R**		
ZB	09.05 - 08.08	6	3.0	Duratec		**55D23R**	**80D23R**	**90D23R**	
Escort									
Mk VI	08.96 - 01.00	4	1.6	L7 <ZETEC, CFI>		**54316**			
	12.97 - 01.00	4	1.6	<ZETEC, CFI>		**54316**			
Explorer									
	01.91 - 08.96	6	4.0				**65-7MF**		
UN/UP/UQ/US	09.95 - 08.01	8	5.0				**65-7MF**		
	09.96 - 08.01	6	4.0				**65-7MF**		
UT/UX/UZ	09.01 - 08.05	6	4.0				**65-7MF**		
		8	4.6				**65-7MF**		
	10.01 - 12.03	6	4.0	E <5R55E>			**65-7MF**		
	09.02 - 01.08	6	4.0				**65-7MF**		
Fairlane									
NA II	10.89 - 06.91	6	3.9	P		**22F-530DF**	**22F-610FD**		
NC	07.91 - 02.92	6	3.9	P		**AU22-530DF**			
		8	5.0	Z		**AU22-530DF**			
NC II	03.92 - 02.95	6	4.0	H		**AU22-530DF**			
		8	5.0	Z		**AU22-530DF**			
NF	03.95 - 09.95	6	4.0	H		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
NF II	10.95 - 08.96	6	4.0	H		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			

◀ FORD

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
NL	09.96 - 02.99	6	4.0	H; X		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
AU	02.99 - 06.00	6	4.0	Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
AU II	07.00 - 02.03	6	4.0	Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
BA	07.03 - 02.05	6	4.0	H <Barra 182>		**AU22R-530**			
		8	5.4	Z <Barra 220>		**AU22R-530**			
BA II	03.05 - 09.05	6	4.0	H <Barra 182>		**AU22R-530**			
		8	5.4	Z <Barra 220>		**AU22R-530**			
BF	10.05 - 12.07	6	4.0	H <Barra 190>		**AU22R-530**			
		8	5.4	Z <Barra 230>		**AU22R-530**			
Falcon / Fairmont (inc G & XR Series)									
EA II	10.89 - 06.91	6	3.9	D <CFI>; P <MPFI>		**22F-530DF**	**22F-610FD**		
EB	07.91 - 02.92	6	3.9	D <CFI>; P <MPFI>		**AU22-530DF**			
		8	5.0	Z		**AU22-530DF**			
EB II	03.92 - 07.93	6	4.0	H		**AU22-530DF**			
		8	5.0	Z		**AU22-530DF**			
	10.92 - 04.93	8	5.0	J		**AU22-530DF**			
	10.92 - 07.93	6	4.0	X		**AU22-530DF**			
ED	08.93 - 07.94	6	4.0	X		**AU22-530DF**			
	08.93 - 08.94	6	4.0	H		**AU22-530DF**			
		8	5.0	T; Z		**AU22-530DF**			
EF	09.94 - 09.95	6	4.0	H; X		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
EF II	10.95 - 08.96	6	4.0	H; X		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
EL	09.96 - 08.98	6	4.0	H; X		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
AU	09.98 - 02.00	6	4.0	X; Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
	09.98 - 03.00	6	4.0	; H; Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
AU II	04.00 - 03.01	6	4.0	H; X; Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
	04.00 - 09.01	6	4.0	H; Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
	07.00 - 03.01	6	4.0	S		**AU22R-530**			
AU III	04.01 - 09.02	6	4.0	H; S; X		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
	10.01 - 09.02	6	4.0	H; Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
BA	10.02 - 09.04	6	4.0	H <Barra 182>; S <GAS>; Y <Barra 240T>		**AU22R-530**			
		8	5.4	Z <Barra 220>; Z <Boss 260>		**AU22R-530**			
BA II	10.04 - 09.05	6	4.0	H <Barra 182>; S <GAS>; Y <Barra 240T>		**AU22R-530**			
		8	5.4	Z <Barra 220>		**AU22R-530**			
	03.05 - 09.05	8	5.4	Z <Boss 260>		**AU22R-530**			
BF	10.05 - 09.06	6	4.0	H <Barra 190>; S <Egas>; Y <Barra 245T>		**AU22R-530**			
		8	5.4	Z <Barra 230>; Z <Boss 260>		**AU22R-530**			
BF II	10.06 - 05.08	6	4.0	H <Barra 190>; S <Egas>; Y <Barra 245T>		**AU22R-530**			
		8	5.4	Z <Barra 230>; Z <Boss 260>		**AU22R-530**			
FG	04.08 - 03.10	6	4.0	H <Barra 195>		**AU22R-530**			
	04.08 - 06.11	6	4.0	S <Egas>		**AU22R-530**			
	04.08→	6	4.0	H <Barra 195>; Y <Barra 270T>		**AU22R-530**			
		8	5.4	Z <Boss 290>		**AU22R-530**			
FGII	03.12→	4	2.0	F <EcoBoost>		**AU22R-530**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Falcon Utility / Van (inc XR Series)									
XF	09.84 - 02.93	6	4.1	N		**22F-530DF**	**22F-610FD**		
XG	03.93 - 03.96	6	4.0	H		**AU22-530DF**			
	10.93 - 03.96	6	4.0	X		**AU22-530DF**			
XH	04.96 - 11.99	6	4.0	H		**AU22R-530**			
AU	06.99 - 03.00	6	4.0	H <Intech>		**AU22R-530**			
		8	4.9	Z		**AU22R-530**			
AU II	04.00 - 09.01	6	4.0	H <Intech>; S <GAS>; X <Intech>		**AU22R-530**			
		8	5.0	Z <Intech>		**AU22R-530**			
AU III	10.01 - 09.02	6	4.0	H <Intech>; S <GAS>		**AU22R-530**			
		8	5.0	Z <Intech>		**AU22R-530**			
BA	10.02 - 09.04	6	4.0	H <Barra 182>; S <GAS>; Y <Barra 240T>		**AU22R-530**			
		8	5.4	Z <Barra 220>; Z <Boss 260>		**AU22R-530**			
BA II	10.04 - 09.05	6	4.0	H <Barra 182>; S <GAS>		**AU22R-530**			
		8	5.4	Z <Barra 220>		**AU22R-530**			
	03.05 - 09.05	6	4.0	H <Barra 182>; Y <Barra 240T>		**AU22R-530**			
		8	5.4	Z <Boss 260>		**AU22R-530**			
BF	10.05 - 09.06	6	4.0	H <Barra 190>; S <GAS>; Y <Barra 245T>		**AU22R-530**			
		8	5.4	Z <Barra 220>; Z <Boss 260>		**AU22R-530**			
BF II	10.06 - 05.08	6	4.0	H <Barra 190>; S <GAS>; Y <Barra 245T>		**AU22R-530**			
		8	5.4	Z <Barra 220>; Z <Boss 260>		**AU22R-530**			
FG	04.08→	6	4.0	H <Barra 195>; Y <Barra 270T>		**AU22R-530**			
		8	5.4	Z <Boss 260>		**AU22R-530**			
Festiva									
WA	06.91 - 03.94	4	1.3	U		**40B19LS**			
	01.93 - 10.00	4	1.5	Mazda-B5-MI		**55D23L**	**80D23L**	**90D23L**	
WB	04.94 - 12.96	4	1.3	U		**55D23L**	**80D23L**	**90D23L**	
WBII	02.97 - 12.97	4	1.3	U		**55D23L**	**80D23L**	**90D23L**	
			1.5	E		**55D23L**	**80D23L**	**90D23L**	
WF	01.98 - 12.00	4	1.3	U		**55D23L**	**80D23L**	**90D23L**	
			1.5	E		**55D23L**	**80D23L**	**90D23L**	
Fiesta									
JA, JB, JV	11.95 - 12.02	4	1.2	DH... <ZH12, Zetec-SE>		**54316**			
JD, JH	11.01 - 09.08	4	1.6	FYJ... <Euro3>		**54316**			
WQ	06.07 - 09.08	4	2.0	N4JB <Duratec 16V SFI>		**54316**			
JD, JH	07.08 - 11.12	4	1.4	SPJ... <Euro 4>		**54316**			
WS/WT	07.08 - 11.12	4	1.6	HHJ... <Euro4>		**56318**		**575.035**	
				HXJ... <Euro5>		**54316**			
Focus									
LR	08.98 - 05.05	4	1.6	FYD... <ZH16,Zetec-SE,SFI>		**54316**			
	06.00 - 06.04	4	1.6	H <P33>		**54316**			
	06.02 - 05.05	4	1.8	EYDC <ZH18,Zetec-E,SFI>		**55457**		**560.035**	
			2.0	ALDA <Duratec-ST>		**56318**		**575.035**	
				EDDC <ZH20,Zetec-E,SFI>		**55457**		**560.035**	
LS	06.04 - 12.08	4	2.0	Duratec HE <DOHC 16v>		**55457**		**560.035**	
				Duratorq <DOHC 16v>		**56318**		**575.035**	
	07.04 - 07.10	4	2.0	AOD... <Duratec-HE>		**55457**		**560.035**	
LS/LT	04.06 - 01.08	5	2.5	HYDA <Duratec-ST>		**55457**		**560.035**	
LV	12.07 - 12.11	4	2.0	AOD... <Euro4/Euro5>; G6D... <Euro4>		**56318**		**575.035**	
	06.08 - 12.11	5	2.5	HYDA <Euro4>		**56318**		**575.035**	
FPV Force 6									
BF II	10.06 - 05.08	6	4.0	Y <F6 270>		**AU22R-530**			

◀ FORD

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
FPV Force 8									
BF II	10.06 - 05.08	8	5.4	Z		**AU22R-530**			
FPV F6									
FG	05.08→	6	4.0	Y <F6 310>		**AU22R-530**			
FPV F6 Tornado									
BA II	01.05 - 09.05	6	4.0	Y <F6 270>		**AU22R-530**			
BF	10.05 - 09.06	6	4.0	Y <F6 270>		**AU22R-530**			
BF II	10.06 - 05.08	6	4.0	Y <F6 270>		**AU22R-530**			
FPV F6 Typhoon									
BA II	10.04 - 09.05	6	4.0	Y <F6 270>		**AU22R-530**			
BF	10.05 - 09.06	6	4.0	Y <F6 270>		**AU22R-530**			
BF II	10.06 - 05.08	6	4.0	Y <F6 270>		**AU22R-530**			
FPV F6 UTE									
FG	05.08→	6	4.0	Y <F6 310>		**AU22R-530**			
FPV F6X									
SY	02.08→	6	4.0	T <F6 270>		**AU22R-530**			
FPV GT									
BA	02.03 - 09.04	8	5.4	Z <Boss 290>		**AU22R-530**			
BA II	10.04 - 09.05	8	5.4	Z <Boss 290>		**AU22R-530**			
BF	10.05 - 09.06	8	5.4	Z <Boss 290>		**AU22R-530**			
BF II	10.06 - 05.08	8	5.4	Z <Boss 302>		**AU22R-530**			
FG	05.08→	8	5.4	Z <Boss 315>		**AU22R-530**			
FPV GT-P									
BA	02.03 - 09.04	8	5.4	Z <Boss 290>		**AU22R-530**			
BA II	10.04 - 09.05	8	5.4	Z <Boss 290>		**AU22R-530**			
BF	10.05 - 09.06	8	5.4	Z <Boss 290>		**AU22R-530**			
BF II	10.06 - 05.08	8	5.4	Z <Boss 302>		**AU22R-530**			
FPV Pursuit									
BA	02.03 - 09.04	8	5.4	Z <Boss 290>		**AU22R-530**			
BA II	10.04 - 09.05	8	5.4	Z <Boss 290>		**AU22R-530**			
BF	10.05 - 09.06	8	5.4	Z <Boss 290>		**AU22R-530**			
BF II	10.06 - 05.08	8	5.4	Z <Boss 302>		**AU22R-530**			
FG	05.08→	8	5.4	Z <Boss 315>		**AU22R-530**			
FPV Super Pursuit									
BA II	06.05 - 09.05	8	5.4	Z <Boss 290>		**AU22R-530**			
BF	10.05 - 09.06	8	5.4	Z <Boss 290>		**AU22R-530**			
BF II	10.06 - 05.08	8	5.4	Z <Boss 302>		**AU22R-530**			
FG	05.08→	8	5.4	Z <Boss 315>		**AU22R-530**			
F150									
	09.87 - 04.90	8	5.0				**22F-610FD**		
	09.91 - 12.93	8	5.8				**22F-610FD**		
F250									
	09.87 - 08.91	8	5.8			**22F-520DF**	**22F-610FD**		
	10.98 - 12.03	6	4.2	<4.2L OHV EFI>			**65-7MF**		
	03.99 - 03.06	6	4.2	6.07 TCA			**65-7MF**		
	09.00 - 08.03	8	7.3				**65-7MF**		
	01.01 - 12.02	8	7.3	<Power Stroke 7.3L>			**65-7MF**		
	01.01 - 09.07	8	5.4	<5,4L SOHC V8>			**65-7MF**		

F

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
F350									
	09.98 - 08.04	8	5.4				**22F-610FD**		
Ka									
TA/TB	09.99 - 10.02	4	1.3	J4D <HCS,Endura-E SEFI>; J4M <HCS,Endura-E SEFI>		**54316**			
RB	10.02 - 09.08	4	1.3	BAA <Duratec 8V SFI>		**54316**			
Laser									
	06.89 - 03.03	4	1.6	B6D		**55D23L**	**80D23L**	**90D23L**	
KE II	02.90 - 09.94	4	1.6	B		**40B19LS**			
KF	03.90 - 09.91	4	1.6	B		**40B19LS**			
			1.8	C; N		**55D23L**	**80D23L**	**90D23L**	
	06.90 - 09.91	4	1.8	H		**55D23L**	**80D23L**	**90D23L**	
KH	10.91 - 09.92	4	1.6	B		**40B19LS**			
			1.8	C; H; N		**55D23L**	**80D23L**	**90D23L**	
KH II	10.92 - 07.93	4	1.8	H		**55D23L**	**80D23L**	**90D23L**	
	10.92 - 09.94	4	1.6	B		**55D23L**	**80D23L**	**90D23L**	
			1.8	C; N		**55D23L**	**80D23L**	**90D23L**	
KJ	10.94 - 11.96	4	1.6	B		**55D23L**	**80D23L**	**90D23L**	
			1.8	N		**55D23L**	**80D23L**	**90D23L**	
KJ II	12.96 - 12.97	4	1.6	B		**55D23L**	**80D23L**	**90D23L**	
			1.8	N		**55D23L**	**80D23L**	**90D23L**	
KJ III	12.97 - 03.99	4	1.6	B		**55D23L**	**80D23L**	**90D23L**	
			1.8	N		**55D23L**	**80D23L**	**90D23L**	
KN	03.99 - 02.01	4	1.6	ZM		**55D23L**	**80D23L**	**90D23L**	
			1.8	FP		**55D23L**	**80D23L**	**90D23L**	
KQ	03.01 - 12.03	4	1.6	ZM		**55D23L**	**80D23L**	**90D23L**	
			1.8	FP		**55D23L**	**80D23L**	**90D23L**	
			2.0	FS		**55D23L**	**80D23L**	**90D23L**	
LTD									
DA II	10.89 - 06.91	6	3.9	P		**22F-530DF**	**22F-610FD**		
DC	07.91 - 02.92	6	3.9	P		**AU22-530DF**			
		8	5.0	Z		**AU22-530DF**			
	03.92 - 02.95	6	4.0	H		**AU22-530DF**			
DC II	03.92 - 02.95	8	5.0	Z		**AU22-530DF**			
DF	03.95 - 09.95	6	4.0	H		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
DF II	10.95 - 08.96	6	4.0	H		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
DL	09.96 - 05.99	6	4.0	H		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
AU	05.99 - 05.00	8	5.0	Z		**AU22R-530**			
	10.99 - 09.00	6	4.0	Y		**AU22R-530**			
AU II	06.00 - 06.03	6	4.0	Y		**AU22R-530**			
		8	5.0	Z		**AU22R-530**			
BA	07.03 - 09.04	8	5.4	Z		**AU22R-530**			
BA II	03.05 - 09.05	8	5.4	Z <Barra 220>		**AU22R-530**			
BF	10.05 - 12.07	8	5.4	Z <Barra 230>		**AU22R-530**			
Maverick									
	04.88 - 12.94	6	4.2	TB42		**22F-530DF**	**22F-610FD**		
				TDB42			**105D31L**	**125D31L**	
Mondeo									
HA/HB	01.93 - 07.96	4	2.0	NGA <ZH20,ZETEC>		**55457**		**560.035**	
HC/HD/HE	08.96 - 09.00	4	2.0	NGD <ZH20, ZETEC-E>		**55457**		**560.035**	
	08.98 - 09.00	4	2.0	NGB <ZH20, ZETEC-E>		**55457**		**560.035**	
HE	10.00 - 03.07	4	2.0	CJB... <Duratec-HE SFI>		**55457**		**560.035**	
MA	02.07 - 02.10	4	2.0	AZBA <Euro4>		**58014**			

F

◀ FORD

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
MA/MB	02.07 - 03.10	5	2.5	HU... <Euro4>		**55457**		**560.035**	
MB	02.07→	4	2.0	QXB... <Euro3/Euro4>		**58014**			
	09.07→	4	2.3	SEBA <Euro4>		**56318**		**575.035**	
Mondeo ST24									
HE	12.99 - 09.00	6	2.5	SEA <MP25, DURATEC-VE>		**55457**		**560.035**	
Mustang									
	09.95 - 08.01	8	4.6				**22F-610FD**		
Probe									
	09.92 - 08.97	6	2.5	KL		**55457**		**560.035**	
Ranger									
	03.06 - 12.11	4	2.5	WL... <Euro3/Euro4>		**95D31R**	**105D31R**	**125D31R**	
			3.0	WE... <Euro3/Euro4>		**95D31R**	**105D31R**	**125D31R**	
	03.06→	4	3.0	WEC <DuraTORQ TDCi>		**95D31R**	**105D31R**	**125D31R**	
Sierra									
	02.84 - 10.95	4	2.3	YYT		**40B19LS**			
Spectron									
	01.88 - 12.98	4	2.0	RF		**95D31R**	**105D31R**	**125D31R**	
Telstar									
AV	01.90 - 10.91	4	2.2	T		**40B19LS**			
	01.90 - 12.91	4	2.0	FP		**55D23L**	**80D23L**	**90D23L**	
AX	01.92 - 08.94	4	2.0	N		**40B19LS**			
		6	2.5	U		**55D23L**	**80D23L**	**90D23L**	
	12.92 - 08.94	4	2.0	N		**40B19LS**			
AY	09.94 - 11.96	4	2.0	N		**40B19LS**			
		6	2.5	U		**55D23L**	**80D23L**	**90D23L**	
	01.98 - 03.02	4	1.8	FPDE <DOHC>		**55D23L**	**80D23L**	**90D23L**	
Telstar Turbo									
AV	01.90 - 10.91	4	2.2	T <Turbo>		**40B19LS**			
Territory									
SX	05.04 - 09.05	6	4.0	H <Barra 182>		**AU22R-530**			
SY	10.05 - 04.09	6	4.0	H <Barra 190>		**AU22R-530**			
SY II	05.09 - 04.11	6	4.0	H <Barra 190>		**AU22R-530**			
SZ	04.11 -	6	2.7	D				**574.035**	
SZ	04.11 -	6	4.0	H				**574.035**	
Territory Turbo									
SY	09.07 - 04.09	6	4.0	T <Barra 245T>		**AU22R-530**			
SY II	05.09 - 04.11	6	4.0	T <Barra 245T>		**AU22R-530**			
TE50									
AU	10.99 - 09.00	8	5.0	Z		**AU22R-530**			
AU II	10.00 - 10.01	8	5.0	Z		**AU22R-530**			
AU III	11.01 - 12.02	8	5.6	Z		**AU22R-530**			
TL50									
AU	10.99 - 09.00	8	5.0	Z		**AU22R-530**			
AU II	10.00 - 10.01	8	5.0	Z		**AU22R-530**			
AU III	11.01 - 12.02	8	5.6	Z		**AU22R-530**			
Trader									
	10.80 - 12.95	0	4.1	ZB <T4.1>		**55D26R**	**90D26R**	**110D26R**	

F

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Transit									
	08.94 - 07.00	4	2.0	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>				**575.035**	
	08.94 - 08.00	4	2.5	4EB <D25TP>; 4EC <D25TP>; 4GB <D25TN>				**575.035**	
				4HB <D25P>		**56318**		**575.035**	
	01.98 - 07.00	4	2.0	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>		**56318**		**575.035**	
	01.00 - 07.06	4	2.4	DOFA <PD24PP>; D2F... <PD24P>		**56318**		**575.035**	
	08.01 - 07.06	4	2.3	E5FC <DOHC 16V BI-FUEL>				**560.035**	
	03.04 - 07.06	4	2.4	FXFA <DuraTorq DI>; H9FA <Duratorq TDCi>		**56318**		**575.035**	
	04.06 - 06.10	4	2.2	QVFA <Euro4>		**56318**		**575.035**	
	07.06 - 09.11	4	2.4	H9F... <95EEC/Euro4>		**56318**		**575.035**	
TS50									
AU	10.99 - 09.00	8	5.0	Z		**AU22R-530**			
AU II	10.00 - 10.01	8	5.0	Z		**AU22R-530**			
AU III	11.01 - 12.02	8	5.6	Z		**AU22R-530**			

GREAT WALL

V240									
	12.06→	4	2.4	4G69S4N		**55D23L**	**80D23L**	**90D23L**	
X240									
	10.09→	4	2.4	4G69S4N		**55D23L**	**80D23L**	**90D23L**	

HOLDEN

Adventra									
VY II	08.03 - 08.04	8	5.7	VF <LS1>		**22FR-530**	**22FR-610**	**22FR-680**	
VZ	09.04 - 08.06	8	5.7	VF <LS1>		**22FR-530**	**22FR-610**	**22FR-680**	
	04.05 - 08.06	6	3.6	H7		**22FR-530**	**22FR-610**	**22FR-680**	
Apollo									
JK	08.89 - 07.91	4	2.0	3SFC <L4>		**40B19LS**			
				3SFE <L4>		**55D23L**	**80D23L**	**90D23L**	
JL	08.91 - 02.93	4	2.0	3SFE <DOHC 16V MPFI>; 3SFE <L4>		**55D23L**	**80D23L**	**90D23L**	
JM	04.93 - 07.95	4	2.2	5SFE <LA4>		**55D23L**	**80D23L**	**90D23L**	
		6	3.0	3VZFE <LA6>		**55D23L**	**80D23L**	**90D23L**	
JP	08.95 - 05.97	4	2.2	5SFE <LA4>		**55D23L**	**80D23L**	**90D23L**	
		6	3.0	3VZFE <LA6>		**55D23L**	**80D23L**	**90D23L**	
Astra									
TR	09.96 - 09.98	4	1.6	C16SE <L55>		**55457**		**560.035**	
			1.8	C18SEL <2HO>		**55457**		**560.035**	
			2.0	X20XEV <L34>		**55457**		**560.035**	
TS	10.98 - 11.00	4	1.8	X18XE1 <2H9>		**56318**		**575.035**	
	09.00 - 08.05	4	2.2	Z22SE		**56318**		**575.035**	
	12.00 - 09.04	4	1.8	Z18XE		**56318**		**575.035**	
	09.02 - 08.05	4	2.0	Z20LET <Turbo Ecotec>		**55457**		**560.035**	
	03.04 - 12.05	4	1.8	Z18XE				**575.035**	
AH	03.04 - 03.07	4	1.8	Z18XE <Ecotec>		**54316**			
	03.05 - 03.10	4	2.0	Z20LER <Turbo Ecotec>		**55457**		**560.035**	
	06.06 - 03.08	4	1.9	Z 19 DTH <Turbo Ecotec>		**55457**		**560.035**	
	12.06 - 03.08	4	2.2	Z22YH <Ecotec>		**55457**		**560.035**	

◀ HOLDEN

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Astra Convertible									
TS	09.00 - 08.05	4	2.2	Z22SE		**56318**		**575.035**	
	05.03 - 12.04	4	2.0	Z20LET <Turbo Ecotec>		**55457**		**560.035**	
Astra Coupe									
TS	09.00 - 08.05	4	2.2	Z22SE		**56318**		**575.035**	
Barina									
MF	01.89 - 08.91	4	1.3	G13B <LN5>		**40B19RS**			
MH	09.91 - 04.94	4	1.3	G13B <LN5>		**40B19RS**			
SB	04.94 - 11.95	4	1.6	C16XE <L91>		**55457**		**560.035**	
	04.94 - 07.97	4	1.2	C12NZ <L71>		**55457**		**560.035**	
			1.4	C14NZ <2H6>		**55457**		**560.035**	
	12.95 - 09.98	4	1.6	X16XE <L91>		**55457**		**560.035**	
	08.97 - 03.01	4	1.4	C14SE <L48>		**55457**		**560.035**	
XC	04.01 - 10.05	4	1.4	Z14XE		**55457**		**560.035**	
	09.01 - 10.05	4	1.8	Z18XE <GSI /Ecotec>		**55457**		**560.035**	
	09.03 - 10.05	4	1.4	Z14XEP <Twinport ECO>				**575.035**	
TK	11.05 - 10.11	4	1.6	F16D3		**22FR-520**	**22FR-610**	**22FR-680**	
TM	11.11→	4	1.6	A16XER <LDE>	SSJ				**DIN LN3**
					SSN	**56219**			
Barina Spark									
MJ	10.10→	4	1.2	B12D1		**55066**			
Calibra									
YE	09.91 - 07.95	4	2.0	C20NE <ML4>; C20XE <MT5>		**55457**		**560.035**	
	09.91 - 10.97	4	2.0	C20LET <M23>		**55457**		**560.035**	
	08.95 - 10.97	4	2.0	X20XEV <L34>		**55457**		**560.035**	
		6	2.5	C25XE, X25XE <MG4 F18>		**55457**		**560.035**	
Caprice									
VQ	03.90 - 10.91	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VQ II	12.91 - 02.94	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	03.94 - 08.94	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR II	09.94 - 04.95	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS	03.95 - 08.96	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
	04.95 - 08.96	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
VS II	09.96 - 04.98	6	3.8	VS S/C <L67>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
	09.96 - 05.98	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
VS III	05.98 - 06.99	6	3.8	VS S/C <L67>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
	06.98 - 05.99	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
WH	06.99 - 07.01	6	3.8	VH <LN3>; VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WH II	08.01 - 04.03	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WK	05.03 - 08.04	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WL	09.04 - 12.05	8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
	09.04 - 08.06	6	3.6	H7 <Premium>		**22F-530**	**22F-610**	**22F-680**	
	01.06 - 08.06	8	6.0	6M		**22F-530**	**22F-610**	**22F-680**	
WM	09.06 - 05.13	6	3.6	H7 <Premium>		**55457**		**560.035**	
		8	6.0	L98 <LS2>		**55457**		**560.035**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Captiva									
CG	05.06 - 01.11	6	3.2	HMA <Alloytec>		**56640**		**574.135**	
	03.07 - 01.11	4	2.0	Z20S1		**59095**			
Colorado									
RC	07.08→	4	3.0	4JJ1TCX		**95D31L**	**105D31L**	**125D31L**	
		6	3.6	H9 <HFV6 Euro3>			**90D26L**	**110D26L**	
Combo									
SB	02.96 - 06.97	4	1.4	C14NZ <2H6>		**55457**		**560.035**	
	08.97 - 12.02	4	1.4	C14SE <L48>		**55457**		**560.035**	
XC	10.01→	4	1.6	Z16SE		**55457**		**560.035**	
	09.04→	4	1.4	Z14XEP		**54316**			
Commodore / Calais									
VN	08.88 - 02.90	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
	08.88 - 09.91	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VN II	03.90 - 09.91	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VP	10.91 - 12.92	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VP II	01.93 - 06.93	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
	02.93 - 06.93	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	07.93 - 08.94	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR II	09.94 - 03.95	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS	04.95 - 05.96	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS II	06.96 - 07.97	6	3.8	VH <LN3>		**22FR-520**	**22FR-610**	**22FR-680**	
						22FR-530	**22FR-610**	**22FR-680**	
				VS S/C <L67>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VT	09.97 - 05.99	6	3.8	VH <LN3>		**22F-520**	**22F-610**	**22F-680**	
						22F-530	**22F-610**	**22F-680**	
				VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.0	VM High Performance <LB9>; VM <LB9>		**22F-530**	**22F-610**	**22F-680**	
VT II	06.99 - 08.00	6	3.8	VH <LN3>		**22F-520**	**22F-610**	**22F-680**	
						22F-530	**22F-610**	**22F-680**	
				VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VX	10.00 - 07.01	6	3.8	VH <LN3>; VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VX II	08.01 - 09.02	6	3.8	VH <LN3>		**22F-520**	**22F-610**	**22F-680**	
						22F-530	**22F-610**	**22F-680**	
				VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VY	10.02 - 07.03	6	3.8	VH <LN3>; VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VY II	08.03 - 08.04	6	3.8	VH <LN3>		**22F-520**	**22F-610**	**22F-680**	
						22F-530	**22F-610**	**22F-680**	
				VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VZ	09.04 - 08.06	6	3.6	H7 <Premium>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
	09.04 - 04.08	6	3.6	HB <Decontent>		**22F-530**	**22F-610**	**22F-680**	
	01.06 - 08.06	8	6.0	L76		**22F-530**	**22F-610**	**22F-680**	
VE	09.06 - 05.13	6	3.6	HNG; H7; H7 <Premium>		**56219**			
		8	6.0	L98 <LS2>		**56219**			

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◀ HOLDEN

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
VE	01.09 - 05.13	8	6.0	L76 AFM		**56638**		**574.035**	
	09.09 - 05.13	6	3.0	HF <LF1 SIDI>		**56219**			
			3.6	HF LPG <LY7 (LPG)>		**56219**			
				HV <LLT SIDI>		**56219**			
						56638		**574.035**	
Commodore Utility									
VG	08.90 - 08.91	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VP	09.91 - 06.93	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	07.93 - 03.95	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS	04.95 - 05.96	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS II	06.96 - 07.97	6	3.8	VH <LN3>		**22FR-520**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS III	05.98 - 12.00	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.0	VU		**22F-530**	**22F-610**	**22F-680**	
VU	12.00 - 07.01	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VU II	08.01 - 09.02	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VY	10.02 - 07.03	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VY II	08.03 - 08.04	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VZ	09.04 - 08.07	6	3.6	HB <HFV6>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
	01.06 - 08.07	8	6.0	6M		**22F-530**	**22F-610**	**22F-680**	
	05.07 - 08.07	6	3.6	H7 <Premium>		**22FR-530**	**22FR-610**	**22FR-680**	
VE	10.07 - 05.13	6	3.6	HB <HFV6>; H7 <Premium>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	6.0	6M		**22FR-530**	**22FR-610**	**22FR-680**	
	11.07 - 05.13	6	3.6	HB <HFV6>		**22FR-530**	**22FR-610**	**22FR-680**	
	09.09 - 05.13	6	3.6	HV <LLT SIDI>; H7 LPG <LY7 (LPG)>		**56219**			
		8	6.0	L76 AFM		**56219**			
Crewman									
VY II	08.03 - 08.04	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VZ	09.04 - 08.06	6	3.6	HB <HFV6>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
Cruze									
	12.03 - 06.06	4	1.5	M15A		**40B19L**		**46B19L**	
JG	05.09 - 02.11	4	1.8	Z18XER <2H0>		**55457**		**560.035**	
			2.0	Z20DMH <LLW>		**56638**		**574.035**	
Frontera									
UT	01.95 - 03.99	4	2.0	X20SE OHC <Ecotec>		**55D26L**	**90D26L**	**110D26L**	
B	03.99 - 08.05	4	2.2	X22SE		**55D26L**	**90D26L**	**110D26L**	
		6	3.2	6VD1		**55D26L**	**90D26L**	**110D26L**	
Jackaroo									
UBS	07.88 - 12.90	4	2.6	4ZE1		**22FR-530**	**22FR-610**	**22FR-680**	
	07.88 - 04.92	4	2.8	4JB1-T			**105D31R**	**125D31R**	
	05.92 - 06.95	4	3.1	4JG2		**55D26R**	**90D26R**	**110D26R**	
		6	3.2	6VD1		**55D26R**	**90D26R**	**110D26R**	
UBS II	07.95 - 12.97	4	3.1	4JG2		**55D26R**	**90D26R**	**110D26R**	
		6	3.2	6VD1		**55D26R**	**90D26R**	**110D26R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
L8	01.98 - 09.99	4	3.0	4JX1			**105D31R**	**125D31R**	
	01.98 - 01.04	6	3.5	6VE1		**55D23R**	**80D23R**	**90D23R**	
U8	10.99 - 09.04	4	3.0	4JX1			**105D31R**	**125D31R**	
Monaro									
V2	12.01 - 12.02	6	3.8	VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22FR-530**	**22FR-610**	**22FR-680**	
V2 II	01.03 - 07.03	6	3.8	VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
V2 III	08.03 - 08.06	8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
VZ	09.04 - 08.06	8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
Nova									
LE	07.89 - 08.91	4	1.4	6AFC <L41>			**22NF-330D**		
			1.6	4AFC <LC9>			**22NF-330D**		
LF	09.91 - 11.92	4	1.4	6AFC <L41>			**22NF-330D**		
	09.91 - 10.94	4	1.6	4AFC <LC9>; 4AFE <L55>			**22NF-330D**		
	10.92 - 10.94	4	1.8	7AFE <LV6>			**22NF-330D**		
LG	09.94 - 09.96	4	1.6	4AFE <L55>			**22NF-330D**		
			1.8	7AFE <LV6>			**22NF-330D**		
Rodeo									
	07.88 - 12.90	4	2.6	4ZE1		**22FR-530**	**22FR-610**	**22FR-680**	
TF	07.88 - 12.92	4	2.5	4JA1			**105D31R**	**125D31R**	
	04.90 - 12.96	4	2.8	4JB1			**105D31R**	**125D31R**	
	01.91 - 12.92	4	2.3	4ZD1			**22NF-330D**		
	01.91 - 10.95	4	2.6	4ZE1		**22FR-530**	**22FR-610**	**22FR-680**	
	01.93 - 12.96	4	2.8	4JB1			**105D31R**	**125D31R**	
	05.93 - 12.96	4	2.6	4ZE1		**22FR-520**	**22FR-610**	**22FR-680**	
	11.95 - 05.98	4	2.6	4ZE1		**55D23L**	**80D23L**	**90D23L**	
R7	01.97 - 05.98	4	2.6	4ZE1		**55D23L**	**80D23L**	**90D23L**	
TF	01.97 - 06.01	4	2.8	4JB1			**105D31R**	**125D31R**	
	06.98 - 12.00	4	2.2	22NE		**55D23L**	**80D23L**	**90D23L**	
		6	3.2	6VD1		**55D23L**	**80D23L**	**90D23L**	
	06.98 - 06.01	4	2.8	4JB1			**105D31R**	**125D31R**	
	01.01 - 02.03	4	2.2	22NE		**55D23L**	**80D23L**	**90D23L**	
	01.01 - 03.03	6	3.2	6VD1		**55D23L**	**80D23L**	**90D23L**	
	07.01 - 03.03	4	2.8	4JB1			**105D31R**	**125D31R**	
	12.01 - 02.03	4	3.0	4JB1		**95D31L**	**105D31L**	**125D31L**	
				4JH1			**105D31R**	**125D31R**	
RA	03.03 - 01.06	6	3.5	6VE1		**55D23L**	**80D23L**	**90D23L**	
	03.03 - 01.07	4	3.0	4JH1TC			**105D31L**	**125D31L**	
RA	03.03 - 01.07	4	3.0	4JH1TC			**105D31R**	**125D31R**	
	03.03 - 06.08	4	2.4	C24SE		**55D23L**	**80D23L**	**90D23L**	
	01.06 - 06.08	6	3.6	H9 <HFV6 Euro3>		**55D23L**	**80D23L**	**90D23L**	
	01.07 - 06.08	4	2.4	C24SE		**55D23L**	**80D23L**	**90D23L**	
			3.0	4JH1			**105D31R**	**125D31R**	
Statesman									
VQ	03.90 - 10.91	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VQ II	12.91 - 02.94	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	03.94 - 04.95	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS	03.95 - 08.96	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS II	09.96 - 04.98	6	3.8	VH <LN3>; VS S/C <L67>		**22FR-530**	**22FR-610**	**22FR-680**	
	09.96 - 05.98	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS III	05.98 - 06.99	6	3.8	VH <LN3>; VS S/C <L67>		**22FR-530**	**22FR-610**	**22FR-680**	
		8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
WH	06.99 - 07.01	6	3.8	VH <LN3>		**22FR-530**	**22FR-610**	**22FR-680**	
				VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
WH	06.99 - 07.01	8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WH II	08.01 - 04.03	6	3.8	VH <LN3>; VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WK	05.03 - 08.04	6	3.8	VH <LN3>		**22F-530**	**22F-610**	**22F-680**	
	08.03 - 08.04	6	3.8	VS S/C <L67>		**22F-530**	**22F-610**	**22F-680**	
		8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
WL	09.04 - 12.05	8	5.7	VF <LS1>		**22F-530**	**22F-610**	**22F-680**	
	09.04 - 08.06	6	3.6	H7 <Premium>		**22F-530**	**22F-610**	**22F-680**	
	01.06 - 08.06	8	6.0	6M		**22F-530**	**22F-610**	**22F-680**	
WM	09.06 - 08.09	6	3.6	H7 <Premium>		**22F-530**	**22F-610**	**22F-680**	
	09.06 - 08.10	8	6.0	L98 <LS2>		**22F-530**	**22F-610**	**22F-680**	
Suburban									
K8	01.98 - 08.05	8	5.7	L31		**22FR-530**	**22FR-610**	**22FR-680**	
			6.5	L65		**22FR-530**	**22FR-610**	**22FR-680**	
Tigra									
XC	09.04 - 09.07	4	1.8	Z18XE <Ecotec>		**55457**		**560.035**	
Vectra									
JR	06.97 - 07.98	4	2.0	C20SEL <L34>		**55457**		**560.035**	
		6	2.5	X25XE <L80>		**55457**		**560.035**	
JS	08.98 - 06.99	4	2.0	C20SEL <L34>		**55457**		**560.035**	
			2.2	C22SEL <LA9>		**22F-530**	**22F-610**	**22F-680**	
		6	2.5	X25XE <L80>		**55457**		**560.035**	
JS II	07.99 - 08.00	6	2.5	X25XE <L80>		**55457**		**560.035**	
	07.99 - 09.02	4	2.0	C20SEL <L34>		**55457**		**560.035**	
			2.2	C22SEL <LA9>		**56318**		**575.035**	
	09.00 - 09.02	6	2.6	Y26SE		**56318**		**575.035**	
ZC	09.01 - 12.06	4	2.2	Z22SE <Ecotec>		**55457**		**560.035**	
	08.02→	6	3.2	Z32SE <Ecotec>		**56318**		**575.035**	
Viva									
JF	10.05 - 05.09	4	1.8	F18D3		**22FR-530**	**22FR-610**	**22FR-680**	
Zafira									
TT	09.00 - 08.05	4	2.2	Z22SE <Ecotec>		**55457**		**560.035**	

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Accord									
	08.87 - 12.93	4	2.0	A20A2		**55D23R**	**80D23R**	**90D23R**	
CA/CB/CD	11.89 - 09.93	4	2.2	F22A5		**55B24RS**			
CB6	04.90 - 02.94	4	2.0	F20A (DOHC)		**55D23R**	**80D23R**	**90D23R**	
CB9	04.91 - 02.94	4	2.2	F22A		**55D23R**	**80D23R**	**90D23R**	
CA/CB/CD	01.93 - 01.02	4	2.2	F22B1		**55D23L**	**80D23L**	**90D23L**	
				F22B3		**22F-530DF**	**22F-610FD**		
CD6	09.93 - 09.97	4	2.2	H22A			**90D26L**	**110D26L**	
CA/CB/CD	10.93 - 12.97	4	2.2	F22A6; F22B1		**55D23L**	**80D23L**	**90D23L**	
CG	09.97 - 08.02	6	3.0	J30A1		**55D26R**	**90D26R**	**110D26R**	
CA/CB/CD	12.97 - 04.99	4	2.3	F23A1		**22F-530DF**	**22F-610FD**		
	12.97 - 07.03	6	3.0	J30A1		**55D26R**	**90D26R**	**110D26R**	
	01.98 - 11.06	6	3.0	J30A4		**55D26R**	**90D26R**	**110D26R**	
	01.99 - 05.03	4	2.3	F23A1		**55D23L**	**80D23L**	**90D23L**	
	01.00 - 10.06	4	2.4	K24A4		**55B24LS**			
CL1	06.00 - 10.02	4	2.2	H22A		**55B24L**			
CL3	06.00 - 10.02	4	2.0	F20B (SOHC)		**55B24L**			
	08.00→	6	3.0	J30A1		**55D23L**	**80D23L**	**90D23L**	
CL9	10.02 - 11.08	4	2.4	K24A		**55B24LS**			
CM2	11.02 - 11.08	4	2.4	K24A		**55B24LS**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
CM3	11.02 - 11.08	4	2.4	K24A		**55B24LS**			
	09.07→	4	2.4	K24Z2		**55D23L**	**80D23L**	**90D23L**	
	04.08→	4	2.4	K24K2 <DOHC i-VTEC>		**55D23L**	**80D23L**	**90D23L**	
		6	3.5	J35Z3 <SOHC i-VTEC>		**55D23L**	**80D23L**	**90D23L**	
Accord Aerodeck									
CA/CB/CD	06.93 - 01.97	4	2.2	F22B1		**55D23L**	**80D23L**	**90D23L**	
CB/CC/CD/CE	10.93 - 06.96	4	2.2	F22B3		**55D23L**	**80D23L**	**90D23L**	
Accord Euro									
CL9	02.03 - 06.08	4	2.4	K24A3		**55B24LS**			
CU	07.08→	4	2.4	K24Z3		**55D23L**	**80D23L**	**90D23L**	
Accord Tourer									
CL/CN/CM	02.03 - 08.08	4	2.4	K24A3		**55B24LS**			
Acty Truck									
HA3	02.90 - 07.99	3	0.7	E07A		**40B19R**		**46B19R**	
HA4/HA5	02.90 - 07.99	3	0.7	E07A		**40B19R**		**46B19R**	
HA6	05.99 - 12.09	3	0.7	E07Z		**40B19L**		**46B19L**	
HA7	05.99 - 12.09	3	0.7	E07Z		**40B19L**		**46B19L**	
Acty Van									
HH3	02.90 - 06.99	3	0.7	E07A		**40B19R**		**46B19R**	
HH4	02.90 - 06.99	3	0.7	E07A		**40B19R**		**46B19R**	
HH5	06.99→	3	0.7	E07Z		**40B19L**		**46B19L**	
HH6	06.99→	3	0.7	E07Z		**40B19L**		**46B19L**	
Airwave									
GJ1	04.05 - 08.10	4	1.5	L15A				**46B19L**	
GJ2	04.05 - 08.10	4	1.5	L15A				**46B19L**	
Ascot									
CE4	10.93 - 09.97	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
CE5	10.93 - 09.97	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
Ascot Innova									
CC4/CC5	03.92 - 12.96	4	2.3	H23A		**55D23R**	**80D23R**	**90D23R**	
CB3/CB4	03.92 - 02.97	4	2.0	F20A (DOHC); F20A (SOHC)		**55D23R**	**80D23R**	**90D23R**	
Avancier									
TA3	09.99 - 07.03	6	3.0	J30A		**55D23R**	**80D23R**	**90D23R**	
TA4	02.00 - 07.03	6	3.0	J30A		**55D23R**	**80D23R**	**90D23R**	
Beat									
PP1	05.91 - 01.96	3	0.7	E07A		**40B19R**		**46B19R**	
Capa									
GA4	04.98 - 01.02	4	1.5	D15B				**46B19R**	
GA6	09.99 - 01.02	4	1.5	D15B				**46B19R**	
City									
	02.93 - 05.97	4	1.3	G4EA2		**55B24R**			
Civic									
EC/ED/EE	10.87 - 10.91	4	1.5	D15B4		**55B24RS**			
EG4	08.91 - 09.95	4	1.5	D15B		**55B24R**			
EG/EH	10.91 - 09.93	4	1.3	D13B2		**55B24RS**			
	11.91 - 09.93	4	1.5	D15B4		**40B19RS**			
			1.6	D16A6		**40B19RS**			

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
EG5	05.92 - 09.95	4	1.6	ZC (DOHC)		**55B24R**			
EG/EH	02.93 - 09.93	4	1.5	D15Z1		**40B19RS**			
	10.93 - 09.95	4	1.5	D15B4; D15B7; D15Z1; D15Z2		**40B19RS**			
			1.6	D16Y1		**40B19RS**			
EJ/EK	10.95 - 09.98	4	1.6	D16A1; D16Y5		**55B24RS**			
	10.95 - 10.98	4	1.6	B16A2		**55B24L**			
	10.95 - 09.00	4	1.6	D16Y4		**55B24RS**			
	10.95 - 12.00	4	1.6	D16Y5		**55B24RS**			
	10.95 - 02.01	4	1.6	B16A2		**55B24RS**			
				D16Y5		**55B24L**			
	05.96 - 04.99	4	1.6	D16Y8 <VTEC>		**55B24RS**			
	09.98 - 08.00	4	1.6	B16A2		**55B24RS**			
EJ	04.99 - 04.00	4	1.6	D16Y7		**55B24L**			
EU3	09.00 - 09.05	4	1.7	D17A		**55B24RS**			
ES	10.00 - 12.05	4	1.7	D17A2		**55B24RS**			
EJ/EK	10.00→	4	1.7	D17A2		**55B24RS**			
ES	10.00→	4	1.7	D17Z1		**55B24RS**			
	02.01 - 12.02	4	1.4	D14Z5		**40B19RS**			
	11.01 - 03.05	4	1.3	LDA1		**55B24RS**			
ES	01.02 - 12.05	4	1.3	LDA1		**55B24RS**			
	11.05→	4	1.8	R18A1 <i-VTEC>		**55B24LS**			
			2.0	K20Z2		**55D23L**	**80D23L**	**90D23L**	
FD	01.06 - 12.10	4	1.3	LDA2		**55D26R**	**90D26R**	**110D26R**	
	04.06 - 08.10	4	2.0	K20A		**55B24RS**			
	05.06→	4	1.8	<i-VTEC>		**55B24LS**			
UH	06.06→	4	1.8	R18A11 <i-VTEC>		**55B24RS**			
Civic Hatchback									
FK/FN	01.07 - 12.11	4	2.0	K20Z4		**55B24RS**			
Civic Shuttle									
EF2	09.87 - 03.96	4	1.5	D15B		**40B19R**		**46B19R**	
EF5	09.87 - 03.96	4	1.6	ZC (SOHC)		**40B19R**		**46B19R**	
Concerto									
	11.88 - 07.93	4	1.6	D16A6		**55066**			
Cross Road 1.8i									
RT1	02.07 - 08.10	4	1.8	R18A				**46B19L**	
Cross Road 1.8i 4WD									
RT2	02.07 - 08.10	4	1.8	R18A		**55B24L**			
Cross Road 2.0i									
RT3	02.07 - 08.10	4	2.0	R20A		**55B24L**			
Cross Road 2.0i 4WD									
RT4	02.07 - 08.10	4	2.0	R20A		**55B24L**			
CR-V									
	10.95 - 01.99	4	2.0	B20B		**55B24RS**			
RD1	10.95 - 08.01	4	2.0	B20B		**55B24LS**			
RD	09.96 - 12.01	4	2.0	B20B3		**55B24LS**			
	05.04→	4	2.4	K24A1		**55B24LS**			
CR-X									
EJ4	09.95 - 07.97	4	1.6	D16A		**55B24R**			
CRX									
ED/EE	11.87 - 05.92	4	1.6	D16A8		**40B19R**		**46B19R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
EG/EH	06.92 - 06.98	4	1.6	B16A2		**40B19RS**			
Edix 2.4i									
BE8	11.06 - 08.09	4	2.4	K24A		**55B24L**			
Elysion 3.5i 4WD									
RR6	01.07→	6	3.5	J35A				**90D23L**	
Fit									
GD1	06.01 - 10.07	4	1.3	L13A		**40B19L**		**46B19L**	
GD2	06.01 - 10.07	4	1.3	L13A		**40B19L**		**46B19L**	
GD4	09.02 - 10.07	4	1.5	L15A		**40B19L**		**46B19L**	
GE6	10.07→	4	1.3	L13A				**46B19L**	
GE7	10.07→	4	1.3	L13A				**46B19L**	
GE9	10.07→	4	1.5	L15A				**46B19L**	
Fit Aria									
GD6	11.02 - 10.05	4	1.3	L13A				**46B19L**	
GD7	11.02 - 10.05	4	1.3	L13A		**40B19L**		**46B19L**	
GD9	11.02 - 01.09	4	1.5	L15A		**40B19L**		**46B19L**	
HR-V									
GH	12.98 - 12.05	4	1.6	D16W1; D16W2		**55B24LS**			
Insight									
	01.89 - 01.99	4	2.0	G20A		**40B19R**		**46B19R**	
ZE	01.00 - 12.06	3	1.0	ECA1		**40B19R**		**46B19R**	
Inspire									
CB5	10.89 - 04.95	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
CC2	01.92 - 02.95	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
CC3	01.92 - 02.95	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
UA1	02.95 - 10.98	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
UA2	02.95 - 10.98	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
UA3	06.95 - 10.98	6	3.2	C32A		**55D23R**	**80D23R**	**90D23R**	
UA4	10.98 - 06.03	6	2.5	J25A			**90D26R**	**110D26R**	
UA5	10.98 - 06.03	6	3.2	J32A			**90D26R**	**110D26R**	
Integra									
DA	06.89 - 07.93	4	1.8	B18A1		**55D26R**	**90D26R**	**110D26R**	
DB1	10.91 - 07.93	4	1.8	B18B		**55D23R**	**80D23R**	**90D23R**	
DC	08.93 - 10.99	4	1.8	B18B2; B18C2		**55D26R**	**90D26R**	**110D26R**	
	07.01 - 07.06	4	2.0	K20A		**55B24RS**			
Integra Coupe									
DC2	07.99 - 09.00	4	1.8	B18C		**40B19R**		**46B19R**	
DC5	07.01 - 07.06	4	2.0	K20A				**46B19L**	
Integra Type-R									
DC	01.98 - 10.01	4	1.8	B18C6		**55B24LS**			
	02.02→	4	2.0	K20A		**55B24LS**			
Jazz									
GD	03.02 - 12.08	4	1.3	L13A1		**40B19R**		**46B19R**	
	09.02 - 10.07	4	1.5	L15A		**40B19L**		**46B19L**	
	06.04 - 01.08	4	1.5	L15A1		**40B19L**		**46B19L**	
	10.08→	4	1.5	L15A <SOHC>		**40B19L**		**46B19L**	
GE/GG	10.08→	4	1.3	L13Z1		**40B19L**		**46B19L**	

◀ HONDA

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Lagreat									
RL1	06.99 - 04.04	6	3.5	J35A			**90D26L**	**110D26L**	
Legend									
	01.87 - 02.91	6	2.7	C27A1		**55D26L**	**90D26L**	**110D26L**	
KA7	10.90 - 01.96	6	3.2	C32A			**90D26R**	**110D26R**	
	03.91 - 04.96	6	3.2	C32A3		**55D26R**	**90D26R**	**110D26R**	
	01.96 - 04.98	6	3.5	C35A2		**55B24RS**			
	04.98 - 12.04	6	3.5	C35A5		**55D26R**	**90D26R**	**110D26R**	
	10.04 - 09.08	6	3.5	J35A8		**55D26R**	**90D26R**	**110D26R**	
	09.08→	6	3.7	J37A			**90D26R**	**110D26R**	
Legend Coupe									
KA8	01.91 - 08.96	6	3.2	C32A			**90D26R**	**110D26R**	
Life									
JA4	05.97 - 10.98	3	0.7	E07A				**46B19R**	
JB1	10.98 - 09.03	3	0.7	E07Z		**40B19R**		**46B19R**	
JB3	12.00 - 09.03	3	0.7	E07Z				**46B19R**	
Logo									
GA3	09.96 - 06.01	4	1.3	D13B				**46B19R**	
GA5	11.98 - 06.01	4	1.3	D13B				**46B19R**	
MDX									
YD1	03.03 - 06.06	6	3.5	J35A		**55D23L**	**80D23L**	**90D23L**	
Mobilio									
GB1	12.01 - 06.08	4	1.5	L15A		**40B19L**		**46B19L**	
GB2	12.01 - 06.08	4	1.5	L15A		**40B19L**		**46B19L**	
Mobilio Spike									
GK1	09.02 - 06.08	4	1.5	L15A		**40B19L**		**46B19L**	
GK2	09.02 - 06.08	4	1.5	L15A		**40B19L**		**46B19L**	
NSX									
NA	06.90 - 12.96	6	3.0	C30A3		**40B19R**		**46B19R**	
	06.90 - 06.00	6	3.0	C30A4		**40B19R**		**46B19R**	
NA1	09.90 - 02.97	6	3.0	C30A			**90D26L**	**110D26L**	
	09.90 - 12.05	6	3.0	C30A		**40B19R**		**46B19R**	
NA	01.97 - 09.05	6	3.2	C32B2		**40B19R**		**46B19R**	
NSX-T									
NA	01.95 - 01.05	6	3.0	C30A4		**40B19R**		**46B19R**	
	01.97 - 09.05	6	3.2	C32B2		**40B19R**		**46B19R**	
Odyssey									
RA	06.95 - 12.97	4	2.2	F22B6 <MPFI>		**55D23L**	**80D23L**	**90D23L**	
RA5	10.97 - 01.00	6	3.0	J30A			**90D26R**	**110D26R**	
RA	01.98 - 02.00	4	2.3	F23A7		**55D26L**	**90D26L**	**110D26L**	
RA8	01.00 - 10.03	6	3.0	J30A		**55D23R**	**80D23R**	**90D23R**	
RA9	01.00 - 10.03	6	3.0	J30A		**55D23R**	**80D23R**	**90D23R**	
RA	03.00→	4	2.3	F23Z4		**55D26R**	**90D26R**	**110D26R**	
		6	3.0	J30A3		**55D23R**	**80D23R**	**90D23R**	
	10.03 - 10.08	4	2.4	K24A		**55D23L**	**80D23L**	**90D23L**	
	10.08→	4	2.4	K24A		**55B24L**			
Partner 1.5i									
GJ3	03.06 - 08.10	4	1.5	L15A				**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Partner 1.5i 4WD									
GJ4	03.06 - 08.10	4	1.5	L15A				**46B19L**	
Prelude									
BA	04.87 - 01.92	4	2.0	B20A5		**55D26R**	**90D26R**	**110D26R**	
	10.87 - 12.90	4	2.0	B20A7			**22NF-330D**		
	10.87 - 12.91	4	2.0	B20A6		**55D26R**	**90D26R**	**110D26R**	
BB1/BB4	09.91 - 11.96	4	2.2	H22A			**90D26L**	**110D26L**	
BB	09.91 - 12.96	4	2.3	H23A1		**55D26L**	**90D26L**	**110D26L**	
	12.91 - 12.96	4	2.2	F22A1		**55D26L**	**90D26L**	**110D26L**	
	01.94 - 12.96	4	2.2	H22A1		**55D26L**	**90D26L**	**110D26L**	
BB6/BB8	10.96 - 08.00	4	2.2	H22A			**90D26L**	**110D26L**	
BB	01.97 - 02.02	4	2.2	F22A6; H22A4		**55D26L**	**90D26L**	**110D26L**	
BB6	09.98 - 08.00	4	2.2	H22A			**90D26L**	**110D26L**	
Rafaga									
CE4	10.93 - 09.97	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
CE5	10.93 - 09.97	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
Saber									
UA1	02.95 - 10.98	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
UA2	02.95 - 10.98	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
UA3	06.95 - 10.98	6	3.2	C32A		**55D23R**	**80D23R**	**90D23R**	
UA4	10.98 - 06.03	6	2.5	J25A			**90D26R**	**110D26R**	
UA5	10.98 - 06.03	6	3.2	J32A			**90D26R**	**110D26R**	
Step WGN 2.0i									
RG1	05.05 - 10.09	4	2.0	K20A		**55B24L**			
Step WGN 2.0i 4WD									
RG2	05.05 - 10.09	4	2.0	K20A		**55B24L**			
Step WGN 2.4i									
RG3	05.05 - 10.09	4	2.4	K24A		**55B24L**			
Step WGN 2.4i 4WD									
RG4	05.05 - 10.09	4	2.4	K24A		**55B24L**			
Stream									
RN6	07.06→	4	1.8	R18A		**55B24LS**			
Street									
HH3	02.90 - 06.99	3	0.7	E07A		**40B19R**		**46B19R**	
HH4	02.90 - 06.99	3	0.7	E07A		**40B19R**		**46B19R**	
S2000									
	04.99 - 06.09	4	2.0	F20C1 <S2A>		**55B24LS**			
Thats									
JD1	02.02 - 09.07	3	0.7	E07Z				**46B19R**	
Today									
JA2	02.90 - 01.93	3	0.7	E07A				**46B19R**	
Today Van									
JW3	02.90 - 10.98	3	0.7	E07A		**40B19R**		**46B19R**	
JW4	02.90 - 10.98	3	0.7	E07A		**40B19R**		**46B19R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ HONDA									
Torneo									
CL1	06.00 - 10.02	4	2.2	H22A		**55B24L**			
CL3	06.00 - 10.02	4	2.0	F20B (SOHC)		**55B24L**			
Vamos									
HM1	05.99→	3	0.7	E07Z		**40B19L**		**46B19L**	
HM2	05.99→	3	0.7	E07Z		**40B19L**		**46B19L**	
Vamos Hobio									
HJ1	04.03→	3	0.7	E07Z		**40B19L**		**46B19L**	
HJ2	04.03→	3	0.7	E07Z		**40B19L**		**46B19L**	
HM3	04.03→	3	0.7	E07Z		**40B19L**		**46B19L**	
HM4	04.03→	3	0.7	E07Z		**40B19L**		**46B19L**	
Vigor									
CB5	10.89 - 02.95	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
CC2	01.92 - 02.95	5	2.5	G25A		**55D23R**	**80D23R**	**90D23R**	
CC3	01.92 - 02.95	4	2.0	G20A		**55D23R**	**80D23R**	**90D23R**	
Z									
PA1	10.98 - 01.02	3	0.7	E07Z		**40B19L**		**46B19L**	
Zest 0.7i									
JE1	03.06→	3	0.7	P07A				**46B19R**	
Zest 0.7i Turbo									
JE1	03.06→	3	0.7	P07A				**46B19R**	
Zest 0.7i Turbo 4WD									
JE2	03.06→	3	0.7	P07A				**46B19R**	
Zest 0.7i 4WD									
JE2	03.06→	3	0.7	P07A				**46B19R**	

HSV (HOLDEN SPECIAL VEHICLES)

Avalanche Utility								
VY II	03.04 - 09.04	8	5.7	VF <LS1, Gen III>	**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 12.05	8	5.7	VF <Gen III,LS1>	**22F-530**	**22F-610**	**22F-680**	
Avalanche Wagon								
VY II	12.03 - 09.04	8	5.7	VF <LS1, Gen III>	**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 12.05	8	5.7	VF <Gen III, LS1>	**22F-530**	**22F-610**	**22F-680**	
Avalanche XUV								
VZ	10.04 - 12.05	8	5.7	VF <LS1>	**22F-530**	**22F-610**	**22F-680**	
Clubsport								
VN	08.88 - 10.91	8	5.0	VU	**22FR-530**	**22FR-610**	**22FR-680**	
VP	11.91 - 07.93	8	5.0	VU	**22FR-530**	**22FR-610**	**22FR-680**	
VR	06.93 - 04.95	8	5.0	VU	**22FR-530**	**22FR-610**	**22FR-680**	
VS	05.95 - 08.97	8	5.0	VU	**22FR-530**	**22FR-610**	**22FR-680**	
VT	09.97 - 05.99	8	5.0	VM <LB9>	**22F-530**	**22F-610**	**22F-680**	
VT II	06.99 - 08.00	8	5.7	VF <LS1, Gen III>	**22F-530**	**22F-610**	**22F-680**	
VX	09.00 - 08.02	8	5.7	VF <LS1, Gen III>	**22F-530**	**22F-610**	**22F-680**	
VY	09.02 - 08.03	8	5.7	VF <LS1, Gen III>	**22F-530**	**22F-610**	**22F-680**	
VY II	09.03 - 09.04	8	5.7	VF <Gen III>	**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 07.06	8	6.0	VF <LS2, Gen IV>	**22F-530**	**22F-610**	**22F-680**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Clubsport R8									
VT II	06.99 - 08.00	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
VX	06.00 - 08.02	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
VY	09.02 - 08.03	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
VY II	09.03 - 09.04	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 07.06	8	6.0	VF <LS2, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
VE	08.06 - 05.13	8	6.0	ZL <LS2 307>		**22F-530**	**22F-610**	**22F-680**	
Coupe GTO									
V2	09.00 - 01.03	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
V2 II	02.03 - 08.03	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
V2 III	09.03 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 12.06	8	6.0	VF <Gen IV, LS1>		**22F-530**	**22F-610**	**22F-680**	
Coupe GTS									
V2	09.00 - 01.03	8	5.7	VF <LS1, Gen III>		**22F-530**	**22F-610**	**22F-680**	
V2 II	02.03 - 02.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
V2 III	03.04 - 12.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
Coupe4									
V2 III	06.04 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 12.05	8	5.7	VF <Gen III, LS1>		**22F-530**	**22F-610**	**22F-680**	
Grange									
VS	05.95 - 05.99	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
			5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
WH	06.99 - 08.01	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
WH II	09.01 - 08.03	8	5.7	VF <Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
WK	09.03 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
WL	10.04 - 12.06	8	6.0	VF <LS1, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
WM	08.06 - 05.13	8	6.0	ZL <LS2 307>		**22F-530**	**22F-610**	**22F-680**	
Group A									
VN	06.91 - 12.91	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
GTS									
VP	11.91 - 07.93	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	06.93 - 04.95	8	5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VS	05.95 - 08.97	8	5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VT	09.97 - 05.99	8	5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VT II	06.99 - 08.00	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VX	09.00 - 08.02	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY	09.02 - 09.04	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VZ	10.04 - 07.06	8	6.0	VF <LS2, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
VE	08.06 - 05.13	8	6.0	ZL <LS2 307>		**22F-530**	**22F-610**	**22F-680**	
Maloo									
VG	08.88 - 10.91	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	06.93 - 04.95	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VS	05.95 - 12.00	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VU	03.01 - 08.01	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VU II	09.01 - 09.02	8	5.7	VF <Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY	10.02 - 08.03	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY II	09.03 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 08.07	8	6.0	VF <LS1, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
VZ II	01.07 - 08.07	8	6.0	ZL <LS2 307>		**22F-530**	**22F-610**	**22F-680**	
Maloo R8									
VU	03.01 - 08.01	8	5.7	VF <Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VU II	09.01 - 09.02	8	5.7	VF <Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY	10.02 - 08.03	8	5.7	VF <Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
◀ HSV									
VY II	09.03 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 08.07	8	6.0	VF <LS1, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
Senator									
VP	11.91 - 07.93	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
VR	06.93 - 04.95	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
			5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VS	05.95 - 08.97	8	5.0	VU		**22FR-530**	**22FR-610**	**22FR-680**	
			5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VT	09.97 - 05.99	8	5.0	VM <LB9>		**22FR-530**	**22FR-610**	**22FR-680**	
			5.7	VF		**22FR-530**	**22FR-610**	**22FR-680**	
VT II	06.99 - 08.00	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VX	09.00 - 08.02	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY	09.02 - 08.03	8	5.7	VF <LS1, Gen III>		**22FR-530**	**22FR-610**	**22FR-680**	
VY II	09.03 - 09.04	8	5.7	VF <Gen III>		**22F-530**	**22F-610**	**22F-680**	
VZ	10.04 - 07.06	8	6.0	VF <LS2, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
VE	08.06 - 05.13	8	6.0	ZL <LS2 307>		**22F-530**	**22F-610**	**22F-680**	
SV6000									
VZ	10.04 - 07.06	8	6.0	VF <LS2, Gen IV>		**22F-530**	**22F-610**	**22F-680**	
VXR									
AH	10.06→	4	2.0	Z200LER		**22F-530**	**22F-610**	**22F-680**	
XU6									
VT	09.97 - 08.00	6	3.8	VS <L67>		**22F-530**	**22F-610**	**22F-680**	
VX	09.00 - 08.02	6	3.8	VS <L67>		**22F-530**	**22F-610**	**22F-680**	
VY	09.02 - 06.03	6	3.8	VS <L67>		**22F-530**	**22F-610**	**22F-680**	

HYUNDAI

Accent									
LC	08.99 - 03.06	4	1.5	G4EC-G <DOHC Alpha>		**56219**			
	10.01 - 09.08	4	1.6	Alpha		**56219**			
LC	08.02 - 03.06	4	1.6	G4ED-G		**56219**			
MC, MCT	04.06 - 02.12	4	1.6	G4ED <(A7) 16AD>		**56219**			
Coupe									
RD	05.96 - 04.02	4	2.0	G4... <Beta>		**22FR-530**	**22FR-610**	**22FR-680**	
	07.97 - 04.02	4	1.8	G4GM <Beta>		**22FR-530**	**22FR-610**	**22FR-680**	
Elantra									
XD	06.00 - 08.06	4	1.8	G4GB		**22F-530DF**	**22F-610FD**		
	08.00 - 09.03	4	1.8	G4GB		**22F-520**	**22F-610**	**22F-680**	
	08.00 - 09.06	4	2.0	G4GC... <(B2) 20BT>		**22F-520**	**22F-610**	**22F-680**	
Excel									
X2	02.90 - 07.94	4	1.5	G4DJ		**22F-530DF**	**22F-610FD**		
X3	07.94 - 07.99	4	1.5	G4EK		**22F-530DF**	**22F-610FD**		
	11.95 - 07.99	4	1.5	G4FK <DOHC>		**22F-530DF**	**22F-610FD**		
Getz									
TB	10.02 - 09.05	4	1.5	G4EC2 <DOHC Alpha II>		**22F-520**	**22F-610**	**22F-680**	
	03.03 - 08.05	4	1.3	G4E-A		**22F-520**	**22F-610**	**22F-680**	
	05.03 - 08.05	3	1.5	D3-EA <TCI>		**22F-530**	**22F-610**	**22F-680**	
	09.05 - 06.09	4	1.4	G4EE... <(A5) 14AD>		**55066**			
	10.05 - 06.09	4	1.6	G4ED-G		**22F-520**	**22F-610**	**22F-680**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Grandeur									
XG	09.98 - 03.02	6	2.5	G6BW <DOHC Delta>			**90D26L**	**110D26L**	
			3.0	G6CT <DOHC Sigma>			**90D26L**	**110D26L**	
	02.00→	6	3.0	Sigma			**90D26L**	**110D26L**	
	12.05→	6	3.8	G6DA5 <DOHC>			**90D26L**	**110D26L**	
ix35									
EL	11.10→	4	2.4	G4KE <(L6) 24T2>			**90D26L**	**110D26L**	
iX35									
EL	01.10→	4	2.0	D4HA <(2E) R20>		**95D31R**	**105D31R**	**125D31R**	
				G4KD <(L5) 20T2>		**55D23L**	**80D23L**	**90D23L**	
i20									
PB, PBT	01.09 - 03.12	4	1.6	G4FC <(D2) 16GM>			**50D20L**		
	01.09→	4	1.4	G4FA <(D1) 14GM>			**50D20L**		
i30									
FD, FDH	09.07 - 08.12	4	1.6	D4FB <(1C) U16/ (1E) U162>	SSJ				**DIN LN3**
					SSN		**90D26L**		
i40									
VF	04.11→	4	1.7	D4FD <(1F) U172>				**110D26L**	
					SSN		**90D26L**		
			2.0	G4NC <(2G) N20>			**90D26L**	**110D26L**	
i45									
YF	09.10→	4	2.4	G4KC <(L6) 24T2>			**90D26L**	**110D26L**	
Lantra									
J1	10.90 - 04.95	4	1.6	G4CR <New Sirius>		**22FR-530**	**22FR-610**	**22FR-680**	
				G4DJ <New Sirius>		**22F-530DF**	**22F-610FD**		
	06.92 - 04.95	4	1.8	G4CN <New Sirius>		**22FR-530**	**22FR-610**	**22FR-680**	
J2	05.95 - 09.00	4	1.8	G4GM <Beta>		**56219**			
	08.95 - 02.01	4	1.8	G4GM		**55D23L**	**80D23L**	**90D23L**	
	08.96 - 09.00	4	2.0	G4GF <Beta>		**56219**			
Santa Fe									
SM	02.00 - 12.05	4	2.4	G4JSX		**56219**			
CM	03.06 - 11.09	4	2.2	D4EB <(2D) D22>				**574.035**	
		6	2.7	G6EA <(F1) 27MU>				**574.035**	
	01.07 - 08.09	6	3.3			**55D26L**	**90D26L**	**110D26L**	
Scoupe									
	02.90 - 06.92	4	1.5	G4DJ; G4DJ <New Orion>		**22FR-530**	**22FR-610**	**22FR-680**	
	02.90 - 05.95	4	1.5	G4EK <SOHC>		**22FR-530**	**22FR-610**	**22FR-680**	
	07.92 - 04.95	4	1.5	G4EK <Alpha>; G4EK-TC <Alpha>		**22FR-530**	**22FR-610**	**22FR-680**	
Sonata									
Y2	01.89 - 10.93	4	2.4	G4CS VIN-S <New Sirius 4G64>		**22FR-530**	**22FR-610**	**22FR-680**	
	09.89 - 06.93	6	3.0	G6AT <6G72>		**22FR-530**	**22FR-610**	**22FR-680**	
EF	01.02 - 12.05	6	2.4	Sirius I4 <DOHC>		**22F-530DF**	**22F-610FD**		
	10.02 - 07.05	6	2.7	Delta V6			**90D26L**	**110D26L**	
NF	10.05 - 12.11	4	2.4	G4JSY <VTVT>		**55457**		**560.035**	
Sonata II									
Y3	07.93 - 04.96	4	2.0	G4CP <New Sirius>		**22FR-520**	**22FR-610**	**22FR-680**	
	07.93 - 06.98	6	3.0	G6AT		**22FR-530**	**22FR-610**	**22FR-680**	

◀ HYUNDAI

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
Sonata III									
EF	03.98 - 03.01	6	2.5	G6AV				**574.035**	
Sonata IV									
EF	01.01 - 09.04	4	2.0	G4P <DOHC Sirius II>		**22F-530DF**	**22F-610FD**		
	04.01 - 01.05	6	2.7	G6BA		**56219**			
	01.02→	6	2.7	G6BA		**22F-530DF**	**22F-610FD**		
Sonata V									
NF	12.04 - 12.08	6	3.3	G6DB <(J1) 33LD>		**22F-530DF**	**22F-610FD**		
Terracan									
HP	01.01→	6	3.5	G6CU <DOHC Sigma>			**90D26R**	**110D26R**	
	07.01 - 10.06	6	3.5	G6CU1 <Sigma>		**55D26R**	**90D26R**	**110D26R**	
	11.03 - 10.06	4	2.9	J3		**95D31R**	**105D31R**	**125D31R**	
Tiburon									
RD	04.96→	4	1.5	G4EK <DOHC Alpha>			**90D26L**	**110D26L**	
GK	10.01 - 08.09	6	2.7	G6BA...			**90D26L**	**110D26L**	
	03.02 - 12.03	4	2.0	G4GC... <(B2) 20BT>			**90D26L**	**110D26L**	
Trajet									
FO	01.00 - 06.07	6	2.7	G6BA...		**56219**			
Tucson									
JM	08.04 - 03.10	4	2.0	G4GC			**90D26L**	**110D26L**	
	09.04 - 03.10	6	2.7	G6BA...			**90D26L**	**110D26L**	

ISUZU

Bighorn									
	12.91 - 03.98	4	3.1	4JG2			**90D26R**	**110D26R**	
		6	3.2	6VD1		**55D23R**	**80D23R**	**90D23R**	
	06.95 - 03.98	4	3.1	4JG2			**90D26R**	**110D26R**	
	02.98 - 12.02	4	3.0	4JX1			**90D26R**	**110D26R**	
Como Bus 3.0 Diesel Turbo 4WD									
	09.04→	4	3.0	ZD30DD				**110D26L**	
Como Van 3.0 Diesel Turbo 4WD									
	09.04→	4	3.0	ZD30DD				**110D26L**	
D-Max									
	05.02→	4	3.0	4JH1-TC		**95D31L**	**105D31L**	**125D31L**	
	01.07→	4	3.0	4JJ1-TC		**95D31L**	**105D31L**	**125D31L**	
Elf									
	02.86 - 04.95	4	3.6	4BE1		**55D23R**	**80D23R**	**90D23R**	
	05.93→	4	3.1	4JG2		**55D23R**		**90D23R**	
	02.00 - 05.04	4	5.0	4HJ1		**55D23R**	**80D23R**	**90D23R**	
Elf 2.0i									
	07.99→	4	2.0	KA20DE		**55D23R**	**80D23R**	**90D23R**	
Elf 2.5 Diesel									
	06.95 - 06.99	4	2.5	TD25			**90D26R**	**110D26R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Elf 2.5 Diesel 4WD									
	06.95 - 06.99	4	2.5	TD25			**90D26R**	**110D26R**	
Elf 2.7 Diesel									
	06.99→	4	2.7	TD27			**90D26R**	**110D26R**	
Elf 2.7 Diesel 4WD									
	06.95→	4	2.7	TD27			**90D26R**	**110D26R**	
Elf 3.2 Diesel									
	06.99→	4	3.2	QD32				**125D31R**	
Elf 3.2 Diesel 4WD									
	08.97→	4	3.2	QD32				**125D31R**	
Fargo									
	05.97 - 05.01	4	3.2	QD32		**75D31L**	**105D31L**	**125D31L**	
	07.97 - 08.99	4	3.2	QD32ETI			**90D26L**	**110D26L**	
Fargo Filly 3.3i									
	10.98 - 08.99	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
Fargo Filly 3.3i 4WD									
	10.98 - 08.99	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
Fargo Van 2.7 Diesel									
	08.95 - 05.97	4	2.7	TD27				**125D31L**	
Fargo Van 2.7 Diesel 4WD									
	08.95 - 05.97	4	2.7	TD27				**125D31L**	
Fargo Wagon 2.7 Diesel									
	08.95 - 06.99	4	2.7	TD27				**125D31L**	
Fargo Wagon 2.7 Diesel Turbo 4WD									
	08.95 - 05.97	4	2.7	TD27TI				**125D31L**	
Fargo Wagon 2.7 Diesel 4WD									
	08.95 - 06.99	4	2.7	TD27				**125D31L**	
Filly 3.3i									
	08.99 - 03.02	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
Filly 3.3i 4WD									
	08.99 - 03.02	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
Filly 3.5i									
	09.00 - 03.02	6	3.5	VQ35DE		**55D23R**	**80D23R**	**90D23R**	
Filly 3.5i 4WD									
	09.00 - 03.02	6	3.5	VQ35DE		**55D23R**	**80D23R**	**90D23R**	
Gemini									
	09.91 - 09.93	4	1.7	4EE1T			**90D26L**	**110D26L**	
Mu									
	04.89 - 10.93	4	2.6	4ZE1		**55D26R**	**90D26R**	**110D26R**	
	07.90 - 10.93	4	2.8	4JB1T		**55D26R**	**90D26R**	**110D26R**	
	10.93 - 07.98	4	3.1	4JG2		**55D26R**	**90D26R**	**110D26R**	

◀ ISUZU

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
	10.95→	4	3.1			**55D26R**	**90D26R**	**110D26R**	
	12.95 - 07.98	4	3.1	4JG2		**55D26R**	**90D26R**	**110D26R**	
	05.98 - 07.01	4	3.0	4JX1		**55D26R**	**90D26R**	**110D26R**	
	05.00 - 05.02	6	3.2	6VD1		**55D26R**	**90D26R**	**110D26R**	
NHR									
	01.85 - 12.95	4	2.5	4JA1AG		**95D31R**	**105D31R**	**125D31R**	
NKR									
	02.86 - 12.96	4	3.3	4BC2		**95D31R**	**105D31R**	**125D31R**	
	03.96→	4	3.1	4JG2		**95D31R**	**105D31R**	**125D31R**	
NPR									
	01.81 - 12.91	4	3.9	4BD1		**95D31R**	**105D31R**	**125D31R**	
	10.86 - 12.96	4	3.9	4BD1T		**95D31R**	**105D31R**	**125D31R**	
	03.96→	4	3.1	4JG2		**95D31R**	**105D31R**	**125D31R**	
			3.9	4BD2TC		**95D31R**	**105D31R**	**125D31R**	
N-Series									
	06.93 - 09.02	4	3.0	4KH1		**55D26R**	**90D26R**	**110D26R**	
Wizard									
	05.98 - 12.02	4	3.0	4JX1			**90D26L**	**110D26L**	
		6	3.2	6VD1			**90D26L**	**110D26L**	

IVECO

Daily 29 L 14									
	09.04 - 03.06	4	2.3	F1AE0481M..		**56318**		**575.035**	
Daily 35 C 14									
	09.04 - 03.06	4	3.0	F1CE0481A..			**60038**		
Daily 35 C 17									
	09.04 - 03.06	4	3.0	F1CE0481B			**60038**		
Daily 35 S 13									
	05.99 - 03.06	4	2.8	8140.43S...			**60038**		
Daily 35 S 14									
	09.04 - 03.06	4	2.3	F1AE0481M..		**56318**		**575.035**	
Daily 35 S 17									
	09.04 - 03.06	4	3.0	F1CE0481B		**56318**		**575.035**	
Daily 40 C 13									
	01.01 - 09.04	4	2.8	8140.43S...		**56318**		**575.035**	
Daily 40 C 14									
	09.04 - 03.06	4	3.0	F1CE0481A..		**56318**		**575.035**	
Daily 40 C 17									
	09.04 - 03.06	4	3.0	F1CE0481B		**56318**		**575.035**	
Daily 50 C 14									
	09.04 - 03.06	4	3.0	F1CE0481A..		**56318**		**575.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Daily 50 C 15									
	05.01 - 09.04	4	2.8	8140.43N.43...		**56318**		**575.035**	
Daily 50 C 17									
	09.04 - 03.06	4	3.0	F1CE0481B		**56318**		**575.035**	
Daily 65 C 14									
	09.04 - 03.06	4	3.0	F1CE0481A..		**56318**		**575.035**	
Daily 65 C 15									
	05.00 - 09.04	4	2.8	8140.43N.43...		**56318**		**575.035**	
Daily 65 C 17									
	09.04 - 03.06	4	3.0	F1CE0481B		**56318**		**575.035**	

JAGUAR

Daimler									
	03.79 - 10.90	12	5.3				**60038**		
	10.86 - 12.90	6	3.6	9 DPANA <AJ6>		**55457**		**560.035**	
	10.86 - 12.92	12	5.3	7P <Kat.>			**60038**		
	09.89 - 10.94	6	4.0	9 EPCNA <AJ6 KAT>			**60038**		
	12.93 - 12.94	12	6.0	8C			**60038**		
	09.94 - 10.98	6	4.0	9 JPFRB <AJ16>			**60038**		
Sovereign									
	09.89 - 08.99	6	4.0	AJ6				**574.035**	
	03.93 - 12.95	12	6.0				**60038**		
	09.97 - 08.02	8	4.0	BC <AJ-V8>				**574.035**	
S-Type									
	10.98 - 04.02	8	4.0	GC GB			**60038**		
	10.98 - 03.08	6	3.0	FC FB			**60038**		
	10.01 - 07.05	6	2.5	JB			**60038**		
	10.01 - 03.08	8	4.2	HB; 1B			**60038**		
	06.04 - 03.08	6	2.7	276DT 7B/7G			**60038**		
XJR									
	03.03 - 07.10	8	4.2	AJ-V8			**60038**		
XJR8									
	09.97 - 09.02	8	4.0	DC <AJV8>			**60038**		
XJS									
	09.75 - 09.91	12	5.3					**574.035**	
	03.92 - 09.96	12	6.0					**574.035**	
XJ6									
	09.89 - 09.94	6	4.0	AJ6 <Kat.>				**574.035**	
	10.90 - 09.94	6	3.2	9BPMNA <AJ6>				**574.035**	
	10.94 - 12.98	6	4.0	AJ16				**574.035**	
	10.05 - 07.10	6	2.7					**574.035**	
XJ8									
	09.97 - 08.02	8	3.2	AC <AJV8>			**60038**		
			4.0	BC <AJV8>			**60038**		
	03.03 - 07.10	8	3.5	AJ-V8			**60038**		
			4.2	AJ-V8			**60038**		

◀ JAGUAR

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
XJ12									
	10.93 - 12.99	12	6.0	8D				**574.035**	
XKR8									
	03.98 - 09.02	8	4.0	EC <AJV8>			**60038**		
	03.03 - 02.09	8	4.2	(A34) <AJ-V8>			**60038**		
XK8									
	03.96 - 09.02	8	4.0	CE,CC,NC,NB <AJV8>			**60038**		
	03.03 - 02.09	8	4.2	5G <AJ-V8>			**60038**		
X-Type									
	03.01 - 11.09	6	2.5	XB				**574.035**	
			3.0	WB				**574.035**	
	03.02 - 10.05	6	2.0	YB				**574.035**	
	09.05 - 11.09	4	2.2	QJBA BG		**58014**			

JEEP

Cherokee									
XJ	10.95 - 12.01	4	2.5	ENC,ENO <VM HR 425 CLIRX>				**574.135**	
KJ	03.01 - 12.04	4	2.5	ENJ, ENO				**574.135**	
	03.01 - 12.07	4	2.4	ED1,EDO		**55457**		**560.035**	
		6	3.7	EKG <K>		**55457**		**560.035**	
	03.03 - 12.07	4	2.8	ENR		**56217**			
Compass									
MK	10.06→	4	2.0	EC...		**55457**		**560.035**	
			2.4	ED...		**55457**		**560.035**	
Grand Cherokee									
ZG	09.92 - 04.99	6	4.0	ERH <6L <S MPI>>				**574.135**	
WJ	09.98 - 08.04	6	4.0	ERH				**574.135**	
		8	4.7	EVA				**574.135**	
WG	10.01 - 12.04	5	2.7	ENF			**60038**		
WK	09.04→	6	3.7	EKG		**58014**			
WH	03.05 - 09.10	8	4.7	EVA,EVO <Power TechV8>				**574.035**	
			5.7	EZB,EZO <Hemi V8>				**574.035**	
	03.05 - 10.11	6	3.0	EXL			**60038**		
	01.06 - 09.10	8	6.1	ESF		**58014**			
WK	01.06 - 09.10	8	6.1	ESF		**58014**			
Wrangler									
TJ	01.97 - 02.07	6	4.0	ERH		**56217**			
JK	01.07→	6	3.8	EGT		**55458**			

KIA

Carens									
FC	04.99 - 05.02	4	1.8	TB <TED>		**56219**			
Carnival									
	01.98 - 01.01	6	2.5	KV6 <DOHC>			**90D26L**	**110D26L**	
UP	09.99 - 09.01	6	2.5	K5			**90D26L**	**110D26L**	
	10.01 - 06.06	6	2.5	K5				**125D31L**	
MB	04.06→	6	2.7	G6EA <2.7L-MU>		**55D26L**	**90D26L**	**110D26L**	
	07.06→	6	3.8				**90D26L**	**110D26L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Cerato									
FE	03.04 - 01.09	4	2.0	G4GC		**55D23L**	**80D23L**	**90D23L**	
Ceres									
	11.94 - 12.03	4	2.2	SC			**105D31R**	**125D31R**	
	06.99→	4	2.4	SC			**105D31R**	**125D31R**	
Credos									
	02.98 - 07.00	4	2.0	FE <DOHC FED>		**55457**		**560.035**	
Grand Carnival									
MB	04.06→	4	2.9	J3		**55D26L**	**90D26L**	**110D26L**	
K 2700									
SD	04.98 - 08.04	4	2.7	J2		**95D31R**	**105D31R**	**125D31R**	
	08.04→	4	2.7	J2		**95D31R**	**105D31R**	**125D31R**	
K 2900									
	01.04→	4	2.9	D4BH <CRDI>				**125D31L**	
Magentis									
GE	09.06 - 08.08	6	2.7	G6EA		**56219**			
Mentor									
FX	01.98 - 12.00	4	1.5	B5D		**55457**		**560.035**	
			1.8	TE <B5D>		**55457**		**560.035**	
Optima									
	07.00 - 04.02	6	2.5	G6B <DOHC>		**55D26L**	**90D26L**	**110D26L**	
	03.03→	6	2.7	GV6 <DOHC Delta>			**90D26L**	**110D26L**	
Pregio									
TB	02.97→	4	2.7	J2		**95D31L**	**105D31L**	**125D31L**	
Rio									
DC	07.00 - 02.05	4	1.5	A5D		**55D23L**	**80D23L**	**90D23L**	
JB, DE	03.05 - 09.11	4	1.4	G4EE		**55D23L**	**80D23L**	**90D23L**	
	03.05 - 09.12	4	1.6	G4ED		**55D23L**	**80D23L**	**90D23L**	
Shuma									
FB	01.00 - 12.00	4	1.8	TE <T8D>		**56318**		**575.035**	
Sorento									
JC	03.03 - 05.08	6	3.5	G6CU		**95D31R**	**105D31R**	**125D31R**	
	03.06 - 08.09	4	2.5	D4CB				**125D31R**	
	12.06 - 08.09	6	3.3	G6DB			**90D26R**	**110D26R**	
Spectra									
FB	01.01 - 12.09	4	1.8	TE		**55457**		**560.035**	
	04.01 - 06.04	4	1.8	TE <T8D>		**56219**			
Sportage									
JA	01.97 - 03.04	4	2.0	FED		**55458**			
JE	09.04 - 04.07	6	2.7	G6BA		**55458**			
	01.06 - 04.07	4	2.0	D4EA-V		**55458**			
	05.07 - 05.10	4	2.0	G4GC		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
LADA									
Niva									
	07.83 - 12.96	4	1.6	2121		**56217**			
	01.93 - 12.99	4	1.7	2121.3		**56217**			
Samara									
	07.88 - 09.90	4	1.3	2108		**56217**			
	09.91 - 02.96	4	1.5	21083		**22FR-530**	**22FR-610**	**22FR-680**	
LAMBORGHINI (S+L+H)									
Diablo									
	01.90 - 12.97	12	5.7					**574.035**	
	01.98 - 12.01	12	5.7			**56638**		**574.035**	
	10.99 - 12.01	12	6.0			**56638**		**574.035**	
Murcielago									
	01.02 - 02.06	12	6.2	V12 48V				**574.035**	
	09.06 - 08.10	12	6.5	V12 48V				**574.035**	
LAND ROVER GROUP									
Defender									
	08.90 - 12.01	4	2.5	Gemini TCI D.I. 23L <200/300 Tdi>		**95D31R**	**105D31R**	**125D31R**	
Series 110	08.90 - 12.01	4	2.5	Gemini TCI D.I. 23L <200/300 Tdi>		**22FR-530**	**22FR-610**	**22FR-680**	
	06.98 - 07.07	5	2.5	Td5; Td5 10P		**31-900**			
Discovery									
	09.89 - 09.94	4	2.5	200 Tdi		**55D26R**	**90D26R**	**110D26R**	
	09.89 - 12.98	8	3.5	V8 3.5; 22D <V8F-EFI-KAT>		**55D26R**	**90D26R**	**110D26R**	
	10.93 - 12.98	4	2.5	19L 21L 22L 23L 300		**55D26R**	**90D26R**	**110D26R**	
		8	3.9	V8 3.9 <EFi>		**55D26R**	**90D26R**	**110D26R**	
LT, LJ	10.98 - 08.04	5	2.5	15P 10P		**31-900**			
		8	4.0	36D 94D 56D <OHV>			**31-901**		
TAA	09.04 - 08.09	6	2.7	276DT			**60038**		
			4.0	406PN			**31-901**		
Freelander									
LN	09.97 - 11.00	4	1.8	K18 / 18K16 <K-Serie>		**56219**			
	09.97 - 09.03	4	2.0	20T2N <L-Serie>		**56638**		**574.035**	
	09.01 - 03.07	4	2.0	TD4 204D3		**56638**		**574.035**	
		6	2.5	KV6 25 K4F		**56318**		**575.035**	
LF	10.06→	6	3.2	B6324S				**574.035**	
Freelander II									
LF	10.06→	4	2.2	224DT				**574.035**	
Land Rover 90									
	11.83 - 08.90	8	3.5	V8		**55D26R**	**90D26R**	**110D26R**	
Land Rover 110									
	10.83 - 07.90	0	3.9			**22FR-530**	**22FR-610**	**22FR-680**	
	11.83 - 07.90	8	3.5	V8		**55D26R**	**90D26R**	**110D26R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Range Rover									
	11.88 - 08.94	8	3.9	37D,38D <V8-EFi-KAT>		**22FR-530**	**22FR-610**	**22FR-680**	
LP	09.94 - 08.02	8	4.0	42D		**31-930**			
LM	03.02 - 07.05	8	4.4	M62B44 V8			**60038**		
	03.02 - 09.06	6	2.9	M57 D30 <30 6D 1>			**60038**		
	03.05 - 08.09	8	4.2	AJ-V8			**60038**		
LS	03.05 - 08.09	6	2.7	276DT			**60038**		
		8	4.2	428 PS			**60038**		
	08.05 - 08.09	8	4.4	448 PN			**60038**		
	01.07 - 08.09	8	3.6				**60038**		

LEXUS

CT200h									
ZWA10	01.11→	4	1.8	2ZRFXE		**55B24R**			
ES300									
VCV10	03.92 - 08.96	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
MCV20	08.96 - 07.01	6	3.0	1MZFE		**55D26L**	**90D26L**	**110D26L**	
MCV30	07.01 - 07.03	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
GS 450h 3.5i									
GWL10	03.12→	6	3.5	2GRFXE		**55D26L**	**90D26L**	**110D26L**	
GS300									
JZS160	08.97 - 01.05	6	3.0	2JZGE		**55D26L**	**90D26L**	**110D26L**	
GRS190	01.05 - 12.11	6	3.0	3GRFSE		**55D26L**	**90D26L**	**110D26L**	
GS430									
UZS161	07.00 - 01.07	8	4.3	3UZFE		**55D26L**	**90D26L**	**110D26L**	
GS450									
GWS191	02.06 - 02.12	6	3.5	2GRFSE		**55D26L**	**90D26L**	**110D26L**	
GS460									
URS190	09.07 - 12.11	8	4.6	1URFSE		**55D26L**	**90D26L**	**110D26L**	
IS200									
GXE10	01.99 - 07.05	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
IS250C									
GSE20	05.09 - 05.13	6	2.5	4GR-FSE			**90D26L**	**110D26L**	
IS300									
JCE10	07.01 - 07.05	6	3.0	2JZGE		**55D26L**	**90D26L**	**110D26L**	
IS350									
GSE21	09.05 - 05.13	6	3.5	2GRFSE				**90D23L**	
LS400									
UCF10	12.89 - 09.94	8	4.0	1UZFE		**95D31L**	**105D31L**	**125D31L**	
UCF20	10.94 - 08.00	8	4.0	1UZFE		**55D26L**	**90D26L**	**110D26L**	
LS430									
UCF30	08.00 - 08.06	8	4.3	3UZFE		**55D26R**	**90D26R**	**110D26R**	
LS460									
USF41	08.06→	8	4.6	1URFE			**90D26L**	**110D26L**	

◀ LEXUS

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
LX470									
UZJ100	01.98 - 08.07	8	4.7	2UZFE		**55D26L**	**90D26L**	**110D26L**	
LX570									
URJ201	11.07→	8	5.7	3URFE		**55D26L**	**90D26L**	**110D26L**	
RX330									
MCU33	03.02→	6	3.3	3MZFE		**55D23L**	**80D23L**	**90D23L**	
RX350									
GSU35	01.06 - 12.08	6	3.5	2GRFE			**90D26L**	**110D26L**	
RX400									
MHU38	03.05 - 12.08	6	3.3	3MZFE		**55D26R**	**90D26R**	**110D26R**	
SC430									
UZZ40	05.01 - 08.10	8	4.3	3UZFE				**575.035**	

LOTUS

Elan									
	09.89 - 06.92	4	1.6	Isuzu 4XE1		**56219**			
Elise									
	01.96 - 12.01	4	1.8	K-Serie		**54316**			
	09.00 - 12.05	4	1.8	18 K4F <K-Serie>		**54316**			
	05.02 - 12.05	4	1.8	K-Serie		**54316**			
	01.04→	4	1.8	2ZZ-GE		**54316**			
	09.07 - 02.10	4	1.8			**54316**			
Esprit									
	02.80 - 07.92	4	2.2	910				**560.035**	
	05.89 - 01.93	4	2.2	910 S				**560.035**	
Excel									
	10.85 - 07.92	4	2.2	912 S		**56219**			
Exige									
	10.01 - 10.04	4	1.8	2ZZ-GE		**55457**		**560.035**	
	04.06→	4	1.8	2ZZ-GE		**54316**			
	09.06→	4	1.8			**54316**			
	08.08 - 08.10	4	1.8	2ZZ-GE		**54316**			

MASERATI

Spyder									
	12.01→	8	4.2	V8				**574.035**	

MAZDA

Atenza									
GGEP	05.02 - 05.05	4	2.0	LFDE		**55D23L**	**80D23L**	**90D23L**	
GGES	05.02 - 06.05	4	2.0	LFDE		**55D23L**	**80D23L**	**90D23L**	
GG3P	05.02 - 12.07	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
GG3S	05.02 - 12.07	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
GYEW	06.02 - 06.05	4	2.0	LFDE		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
GY3W	06.02 - 06.05	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
	08.02 - 06.05	4	2.3	L3VE			**90D26L**	**110D26L**	
GGEP	06.05 - 12.07	4	2.0	LFVE		**55D23L**	**80D23L**	**90D23L**	
GGES	06.05 - 12.07	4	2.0	LFVE		**55D23L**	**80D23L**	**90D23L**	
Axela									
BKEP	10.03 - 06.09	4	2.0	LFDE		**55D23L**	**80D23L**	**90D23L**	
BK3P	10.03 - 06.09	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
BK5P	10.03 - 06.09	4	1.5	ZYVE				**90D23L**	
Axela Sport 1.5i									
BK5P	10.03 - 06.09	4	1.5	ZYVE				**90D23L**	
Axela Sport 2.0i									
BKEP	10.03 - 06.09	4	2.0	LFDE		**55D23L**	**80D23L**	**90D23L**	
Axela Sport 2.3i									
BK3P	10.03 - 06.09	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
AZ									
EC5SA	06.91 - 01.98	4	1.5	B5 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
CY21S	07.94 - 06.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
CZ21S	07.94 - 06.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
CY51S	04.97 - 09.98	3	0.7	K6A				**46B19L**	
CZ51S	04.97 - 09.98	3	0.7	K6A		**40B19L**		**46B19L**	
MD11S	10.98 - 11.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
MD21S/MD22S	10.98 - 10.03	3	0.7	K6A		**40B19L**		**46B19L**	
MJ21S/MJ22S	10.03 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
AZ Offroad Turbo									
JM23W	10.98 - 10.11	3	0.7	K6A		**40B19L**		**46B19L**	
AZ Turbo									
	10.92 - 05.96	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
CY21S	10.95 - 06.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
CZ21S	10.95 - 06.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
CY51S	04.97 - 09.98	3	0.7	K6A		**40B19L**		**46B19L**	
CZ51S	04.97 - 09.98	3	0.7	K6A		**40B19L**		**46B19L**	
MD11S/MD12S	10.98 - 10.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
MD21S/MD22S	10.98 - 10.03	3	0.7	K6A		**40B19L**		**46B19L**	
MJ21S	10.03 - 09.05	3	0.7	K6A		**40B19L**		**46B19L**	
MJ21S/MJ22S	10.03 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
Bongo									
SSE8R	11.86 - 09.95	4	2.0	FE (SOHC)				**125D31L**	
SSE8W	11.86 - 09.95	4	2.0	FE (SOHC)				**125D31L**	
SRS9V/SRSAV	02.92 - 05.97	4	3.0	VS		**55D23L**	**80D23L**	**90D23L**	
SS28V	08.93 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
SS28H/SS28V	09.96 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
SS28M	09.96 - 05.99	4	2.2	R2				**90D23L**	
SD59M/SD5AM	04.97 - 06.99	4	2.5	WL		**75D31L**	**105D31L**	**125D31L**	
SD59T/SD5AT	04.97 - 06.99	4	2.5	WL		**75D31L**	**105D31L**	**125D31L**	
SG5W	11.97 - 08.02	6	2.5	J5D			**90D26L**	**110D26L**	
SK22M	05.99 - 12.03	4	2.2	R2				**90D23L**	
SK22V	05.99 - 12.03	4	2.2	R2				**90D23L**	
SK54L/SK56L	06.99 - 10.00	4	2.5	WL			**90D26L**	**110D26L**	
SK54T/SK56T	06.99 - 10.00	4	2.5	WL			**90D26L**	**110D26L**	
Bongo Brawny Truck									
SD89T	09.87 - 06.99	4	1.8	F8		**40B19L**		**46B19L**	

◀ MAZDA

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Bongo Brawny Van									
SKF6M/SKFHM	11.04 - 08.07	4	2.0	RF				**90D23L**	
SKF6V/SKFHV	11.04 - 08.10	4	2.0	RF				**90D23L**	
Bongo Friendee									
SGL3/SGLW	11.97 - 11.05	4	2.5	WLT			**90D26L**	**110D26L**	
SGL5/SGLR	11.97 - 11.05	4	2.5	WLT			**90D26L**	**110D26L**	
Bongo Truck									
SE88M	09.85 - 05.99	4	1.8	F8		**40B19L**		**46B19L**	
SE48T	09.87 - 06.90	4	1.4	UC				**125D31L**	
SE58T	07.90 - 09.95	4	1.5	D5				**125D31L**	
SE28T	09.93 - 05.99	4	2.2	R2		**55D23L**	**80D23L**	**90D23L**	
SE88T	08.95 - 05.99	4	1.8	F8				**46B19L**	
Bongo Truck 2.0 Diesel Turbo									
SKF2T	12.03 - 08.10	4	2.0	RF				**110D26L**	
Bongo Van									
SS48V	09.87 - 06.90	4	1.4	UC				**125D31L**	
SS28M	09.87 - 09.96	4	2.2	R2				**90D23L**	
SS58V	07.90 - 09.95	4	1.5	D5				**125D31L**	
SKF2V	12.03 - 08.10	4	2.0	RF				**110D26L**	
Bravo									
	09.93 - 08.00	6	4.0			**95D31R**	**105D31R**	**125D31R**	
BT-50									
UN	03.06 - 07.12	4	2.5	WLC <DuraTORQ TDCi>				**125D31R**	
			3.0	WEC <DuraTORQ TDCi>				**125D31R**	
	03.06→	4	2.5	WL3 <DuraTORQ TDCi>				**125D31R**	
			3.0	WEC <DuraTORQ TDCi>				**125D31R**	
B2200									
	09.87 - 06.99	4	2.2	R2		**55D23L**	**80D23L**	**90D23L**	
UF	01.90 - 04.95	4	2.2	R2		**95D31R**	**105D31R**	**125D31R**	
	08.91 - 03.96	4	2.2			**40B19RS**			
B2500									
UF	03.96 - 05.99	4	2.5	WL		**95D31R**	**105D31R**	**125D31R**	
	09.96 - 07.02	4	2.5	WL		**22FR-530**	**22FR-610**	**22FR-680**	
UN	02.99 - 03.06	4	2.5	WLT				**574.035**	
B2600									
UF	08.89 - 03.96	4	2.6	G6		**22FR-520**	**22FR-610**	**22FR-680**	
	03.96 - 05.99	4	2.6	G6		**22FR-530**	**22FR-610**	**22FR-680**	
UN	02.99 - 03.06	4	2.6	G6		**95D31R**	**105D31R**	**125D31R**	
Capella									
GVFW	05.89 - 10.94	4	2.0	RF				**22FR-680**	
GVEW	06.96 - 10.97	4	2.0	FEDE		**55D23L**	**80D23L**	**90D23L**	
GFEP	06.97 - 03.02	4	2.0	FSZE		**55D23L**	**80D23L**	**90D23L**	
GFER	06.97 - 03.02	4	2.0	FSDE		**55D23L**	**80D23L**	**90D23L**	
GF8P	06.97 - 03.02	4	1.8	FPDE		**55D23L**	**80D23L**	**90D23L**	
GWEW	10.97 - 10.99	4	2.0	FSDE		**55D23L**	**80D23L**	**90D23L**	
GWER	10.97 - 05.02	4	2.0	FSDE		**55D23L**	**80D23L**	**90D23L**	
GW5R	10.97 - 05.02	6	2.5	KLZE		**55D23L**	**80D23L**	**90D23L**	
GW8W	10.97 - 05.02	4	1.8	FPDE		**55D23L**	**80D23L**	**90D23L**	
GFFP	06.98 - 10.99	4	2.0	RF		**75D31L**	**105D31L**	**125D31L**	
GWER	09.99 - 05.02	4	2.0	FSZE		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
GWEW	09.99 - 05.02	4	2.0	FSZE		**55D23L**	**80D23L**	**90D23L**	
Capella Van									
GVFV	01.88 - 04.99	4	2.0	RF			**90D26L**	**110D26L**	
Capella Wagon 2.0 Diesel Turbo									
GWFW	07.98 - 10.99	4	2.0	RF		**75D31L**	**105D31L**	**125D31L**	
Carol									
AA6PA	02.90 - 10.95	3	0.7	F6A (SOHC)				**46B19L**	
AC6P	10.95 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
AC6R	10.95 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
HB12S	10.98 - 11.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
HB22S/HB23S	10.98 - 09.04	3	0.7	K6A		**40B19L**		**46B19L**	
HB23S	12.00 - 09.04	3	0.7	K6A		**40B19L**		**46B19L**	
HB24S	09.04 - 12.09	3	0.7	K6A		**40B19L**		**46B19L**	
Cronos									
GE8P	09.91 - 10.94	6	1.8	K8ZE		**55D23L**	**80D23L**	**90D23L**	
GEFP	04.92 - 10.94	4	2.0	RF				**125D31L**	
CX-7									
	12.06→	4	2.3	L3VDT		**55D23L**	**80D23L**	**90D23L**	
ER	06.09→	4	2.2	R2		**55D26L**	**90D26L**	**110D26L**	
	09.09→	4	2.5			**55D23L**	**80D23L**	**90D23L**	
CX-7 2.3i Turbo									
ER3P	12.06→	4	2.3	L3VDT				**90D23L**	
CX-9 3.7 4x4									
	09.07→	6	3.7			**55D26L**	**90D26L**	**110D26L**	
Demio									
DW5W	07.96 - 07.02	4	1.5	B5ME/B5E		**55D23L**	**80D23L**	**90D23L**	
DY3R	11.03 - 05.07	4	1.3	ZJVE		**55B24L**			
DY5R	11.03 - 05.07	4	1.5	ZYVE		**55B24L**			
Demio 1.3i									
DE3FS	05.07→	4	1.3	ZJVE; ZJVEM		**55B24L**			
Demio 1.3i 4WD									
DE3AS	05.07→	4	1.3	ZJVE				**90D23L**	
Eunos 30X									
EC	12.91 - 01.98	6	1.8	K8		**55D23L**	**80D23L**	**90D23L**	
Eunos 500									
CA	04.94 - 09.96	6	2.0	KF		**55457**		**560.035**	
Eunos 800									
TA3A/TA3P/ TA3Y/TA3Z	08.93 - 07.97	6	2.3	KJZEM			**90D26L**	**110D26L**	
TA5A/TA5P/ TA5Y/TA5Z	08.93 - 07.97	6	2.5	KLZE			**90D26L**	**110D26L**	
TA	09.93 - 06.96	6	2.5	KL		**55D26R**	**90D26R**	**110D26R**	
	02.94 - 05.96	6	2.3	KJ		**55457**		**560.035**	
	06.96→	6	2.5			**55457**		**560.035**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
E2000									
	11.86 - 08.93	4	2.0	RF		**55D23L**	**80D23L**	**90D23L**	
	07.89 - 03.95	4	2.0	FEET			**90D26L**	**110D26L**	
SSF8W	08.95 - 05.99	4	2.0	RF			**90D26L**	**110D26L**	
SSF8R	09.95 - 05.99	4	2.0	RF			**90D26L**	**110D26L**	
	09.96 - 01.04	4	2.0	FE		**55D26R**	**90D26R**	**110D26R**	
E2200									
	07.89 - 04.97	4	2.2	R293; R296		**55D26L**	**90D26L**	**110D26L**	
E2500									
SR5AM	04.97 - 06.99	4	2.5	WL			**90D26L**	**110D26L**	
	04.97 - 11.04	4	2.5	WL			**90D26L**	**110D26L**	
SK56M/SK5HM	06.99 - 11.04	4	2.5	WL			**90D26L**	**110D26L**	
Familia									
BG6Z	08.89 - 03.94	4	1.6	B6 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BG8R	08.89 - 03.94	4	1.8	BP		**55D23L**	**80D23L**	**90D23L**	
BG8Z	08.89 - 04.94	4	1.8	BP		**55D23L**	**80D23L**	**90D23L**	
BG6R	08.89 - 01.96	4	1.6	B6 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BHA5S	05.94 - 07.95	4	1.5	B5ZE		**55D23L**	**80D23L**	**90D23L**	
BHA5P	05.94 - 10.96	4	1.5	B5ZE		**55D23L**	**80D23L**	**90D23L**	
BVSNY10	08.94 - 05.97	4	1.7	CD17				**125D31L**	
BVSY10	08.94 - 05.97	4	1.7	CD17				**125D31L**	
BWEY10	08.94 - 04.99	4	2.0	CD20		**75D31L**	**105D31L**	**125D31L**	
BWFNY10	08.94 - 04.99	4	1.5	GA15		**40B19L**		**46B19L**	
BWFY10	08.94 - 04.99	4	1.5	GA15		**40B19L**		**46B19L**	
BHA7P	09.94 - 04.98	4	1.7	4EE1T		**75D31L**	**105D31L**	**125D31L**	
BHA7R	09.94 - 04.98	4	1.7	4EE1T		**75D31L**	**105D31L**	**125D31L**	
BWHNY10	05.96 - 04.99	4	1.8	SR18		**40B19L**		**46B19L**	
BWHY10	05.96 - 04.99	4	1.8	SR18		**40B19L**		**46B19L**	
BHA3P	08.96 - 04.98	4	1.3	B3ME	ZE	**40B19L**		**46B19L**	
BHA3S	08.96 - 05.99	4	1.3	B3ME		**40B19L**		**46B19L**	
BJEP	04.98 - 10.00	4	2.0	RF				**125D31L**	
BJ3P	04.98 - 09.02	4	1.3	B3ME	ZE	**40B19L**		**46B19L**	
BJ5P	04.98 - 09.02	4	1.5	ZLVE		**55B24L**			
	04.98 - 10.03	4	1.5	ZLDE		**40B19L**		**46B19L**	
BWFY11	05.99 - 12.99	4	1.5	QG15DE		**40B19L**		**46B19L**	
BWHNY11	05.99 - 12.99	4	1.8	QG18DE		**40B19L**		**46B19L**	
BJFP	12.01 - 10.03	4	2.0	FSZE		**55D23L**	**80D23L**	**90D23L**	
Familia S-Wagon									
BJ5W	04.98 - 09.03	4	1.5	ZLDE; ZLVE		**55B24L**			
BJFW	06.99 - 09.03	4	2.0	FSZE				**46B19L**	
						55D23L	**80D23L**	**90D23L**	
Familia Van									
BVFNY10	08.94 - 04.99	4	1.5	GA15		**40B19L**		**46B19L**	
BVFY10	08.94 - 04.99	4	1.5	GA15		**40B19L**		**46B19L**	
BVY10	08.94 - 04.99	4	1.3	GA13		**40B19L**		**46B19L**	
BVENY10	05.97 - 04.99	4	2.0	CD20		**55D23L**	**80D23L**	**90D23L**	
BVEY10	05.97 - 04.99	4	2.0	CD20		**55D23L**	**80D23L**	**90D23L**	
BVENY11	05.99 - 08.03	4	2.2	YD22DD				**110D26L**	
BVEY11	05.99 - 08.03	4	2.2	YD22DD				**110D26L**	
BVFY11	05.99 - 12.06	4	1.5	QG15DE		**55D23L**	**80D23L**	**90D23L**	
BVHNY11	05.99 - 12.06	4	1.8	QG18DE		**40B19L**		**46B19L**	
BVY11	05.99 - 12.06	4	1.3	QG13DE		**55D23L**	**80D23L**	**90D23L**	
BVGY11	08.02 - 12.06	4	1.8	QG18DEN		**40B19L**		**46B19L**	
Familia Van 1.2i									
BVAY12	01.07 - 05.13	4	1.2	CR12DE		**40B19L**		**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Familia Van 1.5i									
BVY12	01.07→	4	1.5	HR15DE		**40B19L**		**46B19L**	
Festiva									
DW3WF	07.96 - 06.02	4	1.3	B3ME		**55B24L**			
DW5WF	07.96 - 06.02	4	1.5	B5ME		**55D23L**	**80D23L**	**90D23L**	
Freda 2.0i									
SGE3F/SGEWF	06.95 - 08.01	4	2.0	FE (DOHC)			**90D26L**	**110D26L**	
Freda 2.5 Diesel Turbo									
SGLWF/SGL3F	06.95 - 08.01	4	2.5	WL/WLT			**90D26L**	**110D26L**	
Freda 2.5 Diesel Turbo 4WD									
SGLRF/SGL5F	06.95 - 08.01	4	2.5	WL/WLT			**90D26L**	**110D26L**	
Freda 2.5i									
SG5WF	06.95 - 08.01	6	2.5	J5			**90D26L**	**110D26L**	
J80 1.8									
SE88TF/SS88HF/ SS88VF	08.95 - 05.99	4	1.8	F8				**46B19L**	
J80 2.2 Diesel									
SS28HF/SS28VF/ SE28TF	08.93 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
SS28VF/SE28TF	08.93 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
J80 2.2 Diesel 4WD									
SS28MF	11.86 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
SS28MF/SE28MF	08.93 - 05.99	4	2.2	R2			**90D26L**	**110D26L**	
J100 2.2 Diesel									
SD2ATF/SR2AVF	01.84 - 05.97	4	2.2	R2			**90D26L**	**110D26L**	
J100 2.2 Diesel 4WD									
SD29MF/ SR2AMF	09.87 - 05.97	4	2.2	R2			**90D26L**	**110D26L**	
J100 2.5 Diesel									
SD5ATF/SR5AVF	04.97 - 06.99	4	2.5	WL		**75D31L**	**105D31L**	**125D31L**	
J100 2.5 Diesel 4WD									
SR5AMF	04.97 - 06.99	4	2.5	WL			**90D26L**	**110D26L**	
J100 3.0 Diesel									
SRSAVF	02.92 - 05.97	4	3.0	VS		**55D23L**	**80D23L**	**90D23L**	
Lantis									
CBA8P	08.93 - 06.97	4	1.8	BPZE		**55D23L**	**80D23L**	**90D23L**	
Laputa									
HP11S/HP12S	03.99 - 10.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
HP21S/HP22S	03.99 - 12.05	3	0.7	K6A		**40B19L**		**46B19L**	
HP22S	04.01 - 12.05	3	0.7	K6A		**40B19L**		**46B19L**	
Laser									
BHA3PF	08.96 - 10.98	4	1.3	B3ME		**40B19L**		**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Laser Lidea Sedan 2.0 Diesel									
BJEPF	12.98 - 12.00	4	2.0	RF		**75D31L**	**105D31L**	**125D31L**	
Laser Sedan 1.5i									
BHA5PF	04.94 - 09.96	4	1.5	B5ZE		**55D23L**	**80D23L**	**90D23L**	
Laser Sedan 1.6i 4WD									
BHA6RF	09.94 - 05.98	4	1.6	B6DE		**55D23L**	**80D23L**	**90D23L**	
Laser Sedan 1.7 Diesel Turbo									
BHA7PF	09.94 - 05.98	4	1.7	4EE1T		**75D31L**	**105D31L**	**125D31L**	
Laser Sedan 1.7 Diesel Turbo 4WD									
BHA7RF	09.94 - 09.96	4	1.7	4EE1T		**75D31L**	**105D31L**	**125D31L**	
Laser 1.5i									
BHA5SF	04.94 - 09.96	4	1.5	B5ZE		**55D23L**	**80D23L**	**90D23L**	
Millenia									
TA5A/TA5P	07.97 - 10.03	6	2.5	KLZE		**55D23L**	**80D23L**	**90D23L**	
TAFP	06.98 - 10.02	6	2.0	KFZE		**55D23L**	**80D23L**	**90D23L**	
TA	08.00→	6	2.3	KJ <Miller-Cycle>		**55D23L**	**80D23L**	**90D23L**	
Millenia 2.3i									
TA3A/TA3P	07.97 - 07.00	6	2.3	KJZEM		**55D23L**	**80D23L**	**90D23L**	
MPV									
LV	08.93 - 04.96	6	3.0	E		**55D26L**	**90D26L**	**110D26L**	
LV5W	12.94 - 05.99	4	2.5	G5/G5E			**90D26L**	**110D26L**	
	04.96 - 07.99	6	3.0	JE		**55D26L**	**90D26L**	**110D26L**	
	05.99 - 04.02	6	2.5	GY		**55D26L**	**90D26L**	**110D26L**	
LWEW	05.99 - 04.02	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
LW5W	05.99 - 04.02	6	2.5	GY		**55D23L**	**80D23L**	**90D23L**	
LW	06.99→	6	2.5	G		**55D26L**	**90D26L**	**110D26L**	
	03.02 - 06.04	4	2.3	L3		**55D26L**	**90D26L**	**110D26L**	
	03.02 - 12.05	6	3.0	AJ/AJDE		**55D26L**	**90D26L**	**110D26L**	
LW3W	03.02 - 12.05	4	2.3	L3/L3DE			**90D26L**	**110D26L**	
LW	05.02 - 08.04	6	3.0	E		**55D26L**	**90D26L**	**110D26L**	
MPV 2.3i									
LY3P	12.05→	4	2.3	L3VE				**110D26L**	
MS-6									
GE8P	10.91 - 07.94	6	1.8	K8ZE		**55D23L**	**80D23L**	**90D23L**	
MS6									
GEFP	06.93 - 07.94	4	2.0	RF				**125D31L**	
MX-5									
NA	08.89 - 08.93	4	1.6	B64F			**22NF-330D**		
	01.90 - 12.96	4	1.6	B6ZE		**54316**			
NA	09.93 - 11.97	4	1.8	BP			**22NF-330D**		
NB	01.98 - 07.05	4	1.6	B6D		**54316**			
			1.8	BPD			**22NF-330D**		
	09.00 - 07.05	4	1.8	BPZE			**22NF-330D**		
NC	07.05→	4	2.0	LF		**55B24LS**			
MX-6									
GD	09.89 - 06.91	4	2.2	F2		**40B19LS**			
GE	07.94 - 06.97	6	2.5	KL		**40B19LS**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Premacy									
CP8W	02.99 - 02.05	4	1.8	FPDE		**55D23L**	**80D23L**	**90D23L**	
CP	02.00 - 05.03	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	
CPEW	06.01 - 02.05	4	2.0	FSZE				**90D23L**	
CP	11.01 - 05.03	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
CR3W	02.05→	4	2.3	L3VE		**55D23L**	**80D23L**	**90D23L**	
Premacy 1.8i 4WD									
CP8W	02.99 - 02.05	4	1.8	FPDE		**55D23L**	**80D23L**	**90D23L**	
Premacy 2.0i 4WD									
CREW	08.05 - 08.07	4	2.0	LFDE		**55B24L**			
Proceed									
UF66M	11.89 - 02.99	4	2.6	G6				**110D26R**	
Proceed Levante									
TF31W/TJ31W	01.95 - 11.97	4	2.0	RF				**125D31L**	
TF11W/TJ11W	02.95 - 09.96	6	2.0	H20A		**55D23L**	**80D23L**	**90D23L**	
TF51W/TJ51W/ TF52W/TJ52W	10.96 - 09.99	4	2.0	J20A		**55D23L**	**80D23L**	**90D23L**	
TJ61W/TJ62W	10.96 - 09.99	6	2.5	H25A		**55D23L**	**80D23L**	**90D23L**	
Proceed Levante 2.0 Diesel Turbo 4WD									
TJ32W	02.98 - 09.99	4	2.0	RF				**125D31L**	
Proceed Marvie									
UV66R	12.90 - 01.96	4	2.6	G6			**90D26R**	**110D26R**	
UVL6R	02.96 - 02.99	4	2.5	WLT			**90D26R**	**110D26R**	
UV56R	02.96 - 02.99	4	2.5	G5E			**90D26R**	**110D26R**	
RX-7									
FC	03.89 - 11.91	2	1.3	13B		**55D23L**	**80D23L**	**90D23L**	
FD	01.92 - 07.94	2	1.3	13B		**55D23L**	**80D23L**	**90D23L**	
	07.94 - 02.96	2	1.3	RE13B		**55D23L**	**80D23L**	**90D23L**	
RX-7 Cabrio Turbo									
FC3C	08.87 - 12.92	2	1.3	13B			**90D26L**	**110D26L**	
RX-7 Coupe Turbo									
FD3S	10.91 - 08.02	2	1.3	13BREW		**55D23L**	**80D23L**	**90D23L**	
RX-8									
SE	04.03 - 04.08	2	1.3	13B		**55D23L**	**80D23L**	**90D23L**	
	05.03→	2	1.3	13BMSP			**90D26L**	**110D26L**	
SE3P	05.03→	2	1.3	13BMSP			**90D26L**	**110D26L**	
Scrum									
DG52W	12.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
DG62W	09.01 - 08.05	3	0.7	K6A		**40B19L**		**46B19L**	
DG62W/DG64W	09.01→	3	0.7	K6A				**46B19L**	
Scrum Truck 0.7									
DG51T/DJ51B	02.90 - 10.98	3	0.7	F6A (SOHC)				**46B19R**	
Scrum Truck 0.7 4WD									
DH51T/DK51B	02.90 - 10.98	3	0.7	F6A (SOHC)				**46B19R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Scrum Truck 0.7i									
DG52T	01.99 - 09.01	3	0.7	F6A (SOHC)				**46B19L**	
DG62T/DG63T	09.01→	3	0.7	K6A				**46B19L**	
Scrum Truck 0.7i Turbo									
DJ51T/DG52T	09.91 - 12.99	3	0.7	F6A (SOHC)				**125D31L**	
Scrum Truck 0.7i Turbo 4WD									
DK51T/DH52T	09.91 - 12.99	3	0.7	F6A (SOHC)				**125D31L**	
Scrum Truck 0.7i 4WD									
DH52T	01.99 - 09.01	3	0.7	F6A (SOHC)				**46B19L**	
DG62T/DG63T	09.01→	3	0.7	K6A				**46B19L**	
Scrum Van 0.7i									
DL51V/DG52V	09.91 - 09.01	3	0.7	F6A (SOHC)				**46B19L**	
DG62V/DG64V	09.01→	3	0.7	K6A				**46B19L**	
Scrum Van 0.7i Turbo									
DG51V	02.90 - 09.91	3	0.7	F6A (SOHC)				**125D31L**	
DL51V/DG52V	09.91 - 12.99	3	0.7	F6A (SOHC)				**46B19L**	
Scrum Van 0.7i Turbo 4WD									
DH51V	02.90 - 09.91	3	0.7	F6A (SOHC)				**125D31L**	
DM51V/DH52V	09.91 - 12.99	3	0.7	F6A (SOHC)				**46B19L**	
Scrum Van 0.7i 4WD									
DM51V/DH52V	09.91 - 09.01	3	0.7	F6A (SOHC)				**125D31L**	
DG62V/DG64V	09.01→	3	0.7	K6A				**46B19L**	
Scrum Wagon 0.7i Turbo 4WD									
DG52W	12.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Spectron 2.0 Diesel Turbo									
SSF8WF	09.87 - 10.97	4	2.0	RF			**90D26L**	**110D26L**	
Spectron 2.0 Diesel Turbo 4WD									
SSF8RF	12.88 - 10.97	4	2.0	RF			**90D26L**	**110D26L**	
Spiano									
HF21S	02.02 - 10.08	3	0.7	K6A		**40B19L**		**46B19L**	
Telstar Sedan 1.8i									
GE8PF	10.91 - 07.94	6	1.8	K8ZE		**55D23L**	**80D23L**	**90D23L**	
GF8PF	06.97 - 08.99	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	
Telstar Sedan 2.0i									
GFEPF	06.97 - 08.99	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
Telstar Sedan 2.0i 4WD									
GFERF	06.97 - 08.99	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
Telstar Sedan 2.5i									
GE5PF	04.92 - 07.94	6	2.5	KLZE				**90D23L**	
Telstar Wagon 1.8i									
GW8WF	10.97 - 08.99	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Telstar Wagon 2.0 Diesel Turbo									
GVFWF	08.90 - 10.97	4	2.0	RF		**55D23R**	**80D23R**	**90D23R**	
Telstar Wagon 2.0 Diesel Turbo 4WD									
GVFRF	08.92 - 10.97	4	2.0	RF		**55D23R**	**80D23R**	**90D23R**	
Telstar Wagon 2.0i									
GWEWF	10.97 - 08.99	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
Telstar Wagon 2.0i 4WD									
GWERF	10.97 - 08.99	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
Telstar Wagon 2.5i 4WD									
GW5RF	10.97 - 08.99	6	2.5	KL		**55D23L**	**80D23L**	**90D23L**	
Titan									
WELAD/WELAT/ WGLAD/WGLAT	01.84 - 05.95	4	3.5	SL			**90D26R**	**110D26R**	
WGSAT	05.95 - 05.00	4	3.0	VS	ZE	**55D23L**	**80D23L**	**90D23L**	
SY54L/SY56L	10.00 - 04.05	4	2.5	WL			**90D26L**	**110D26L**	
SY54T/SY56T	10.00 - 04.05	4	2.5	WL			**90D26L**	**110D26L**	
Titan 3.0 Diesel									
WHS5T	05.00 - 04.05	4	3.0	VS				**90D23L**	
Titan 4.3 Diesel									
WH35T/WH35D/ WH3HD/WH3HH	04.00 - 01.07	4	4.3	4HF1			**90D26L**	**110D26L**	
Titan 4.6 Diesel									
WH65#/WH6H#	04.00 - 01.07	4	4.6	4HG1			**90D26L**	**110D26L**	
Tribute									
EPFW	11.00 - 12.05	6	3.0	AJ			**90D26L**	**110D26L**	
	12.00 - 12.03	4	2.0	YF		**55D23L**	**80D23L**	**90D23L**	
	12.00→	6	3.0	AJ			**90D26L**	**110D26L**	
	03.04→	4	2.3	L3		**55D26L**	**90D26L**	**110D26L**	
Tribute 2.0i									
EPEW	09.00 - 12.03	4	2.0	YF		**55D23L**	**80D23L**	**90D23L**	
Tribute 2.3i 4WD									
EP3W	12.03 - 12.05	4	2.3	L3			**90D26L**	**110D26L**	
Tribute 3.0i									
EPFW	11.00 - 12.05	6	3.0	AJ			**90D26L**	**110D26L**	
2									
DE	05.07→	4	1.5	ZYVE		**55B24LS**			
	06.07→	4	1.5	ZY		**55B24LS**			
3									
BK	07.03 - 12.08	4	2.0	LF			**50D20L**		
	07.06 - 12.08	4	2.3	L3			**50D20L**		
BL	12.08→	4	2.0	LF...			**50D20L**		
	01.09→	4	2.2	R2		**95D31L**	**105D31L**	**125D31L**	
	09.09→	4	2.3	L3 DISI			**50D20L**		

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
3 Hatchback									
BK	12.03 - 12.08	4	1.6	Y6		**55D23L**	**80D23L**	**90D23L**	
6									
GG/GY	02.02 - 08.08	4	2.3	L3		**55D23L**	**80D23L**	**90D23L**	
GK	04.02→	4	2.3	L3		**55D23L**	**80D23L**	**90D23L**	
GG/GY	06.02 - 08.07	4	2.0	RF			**90D26L**	**110D26L**	
	06.02 - 12.07	4	2.0	RF				**125D31L**	
			2.3	L3		**55D23L**	**80D23L**	**90D23L**	
	07.05 - 08.07	4	2.3	L3 DISI		**55D23L**	**80D23L**	**90D23L**	
GH	08.07→	4	2.5	L5		**55D23L**	**80D23L**	**90D23L**	
6 2.2 MZR-CD Fastback									
GH	01.09 - 04.10	4	2.2	R2			**90D26L**	**110D26L**	
6 2.2 MZR-CD Wagon									
GH	10.08 - 04.10	4	2.2	R2			**90D26L**	**110D26L**	
121									
DA	04.89 - 10.90	4	1.3	B3A6		**55B24L**			
DB	11.90 - 10.93	4	1.3	B3		**55B24L**			
	11.93 - 12.95	4	1.3	B3		**55B24LS**			
			1.5	B5M1		**55B24L**			
	11.95 - 11.97	4	1.3	B3		**55B24L**			
			1.5	B5		**55D23L**	**80D23L**	**90D23L**	
DW	08.96 - 12.99	4	1.3	B3		**55D23L**	**80D23L**	**90D23L**	
			1.5	B5		**55D23L**	**80D23L**	**90D23L**	
	01.00 - 12.02	4	1.3	B3		**40B19LS**			
			1.5	B5		**40B19LS**			
323									
BG	06.89 - 07.94	4	1.8	BP <DOHC Kat.>		**40B19LS**			
	07.89 - 03.91	4	1.8	BP		**40B19LS**			
	07.89 - 12.95	4	1.6	B6		**55D23L**	**80D23L**	**90D23L**	
	11.89 - 04.92	4	1.8	BP		**40B19LS**			
	04.91 - 05.94	4	1.8	BP		**55D23L**	**80D23L**	**90D23L**	
BA	05.94 - 07.95	6	2.0	KF		**55D23L**	**80D23L**	**90D23L**	
	05.94 - 09.95	4	1.8	BP		**55D23L**	**80D23L**	**90D23L**	
		6	2.0	KF/F		**55D23L**	**80D23L**	**90D23L**	
	11.94 - 09.95	4	1.8	BP		**55D23L**	**80D23L**	**90D23L**	
	08.95 - 09.96	4	1.6	B6		**55D23L**	**80D23L**	**90D23L**	
			1.8	BP		**55D23L**	**80D23L**	**90D23L**	
	10.96 - 06.98	4	1.6	B6		**55D23L**	**80D23L**	**90D23L**	
			1.8	BP		**55D23L**	**80D23L**	**90D23L**	
	10.96 - 07.98	6	2.0	KF		**55D23L**	**80D23L**	**90D23L**	
BJ	05.98 - 10.00	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	
	07.98 - 11.00	4	1.6	ZM		**55D23L**	**80D23L**	**90D23L**	
	07.98 - 09.03	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	
	12.00 - 09.03	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
	12.00 - 12.03	4	1.6	ZM		**55D23L**	**80D23L**	**90D23L**	
			1.8	FP		**55D23L**	**80D23L**	**90D23L**	
			2.0	FS		**55D23L**	**80D23L**	**90D23L**	
	01.01→	4	1.8	FP		**55D23L**	**80D23L**	**90D23L**	
626									
GD	09.89 - 09.91	4	2.2	F2		**40B19LS**			
GE	09.91 - 05.94	6	2.5	KL		**55D23L**	**80D23L**	**90D23L**	
	01.92 - 05.94	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	
	04.92 - 05.94	6	2.5	KL		**55D23L**	**80D23L**	**90D23L**	
	11.92 - 05.94	6	2.5	KL		**40B19LS**			
	06.94 - 06.97	4	2.0	FS		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
GE	06.94 - 06.97	6	2.5	KL		**55D23L**	**80D23L**	**90D23L**	
GF	06.97 - 10.99	4	2.0	FSD; FSD DOHC		**55D23L**	**80D23L**	**90D23L**	
	11.99 - 08.02	4	2.0	FSD		**55D23L**	**80D23L**	**90D23L**	
626 Turbo									
GD	09.89 - 09.91	4	2.2	F2		**40B19LS**			
929									
HC	02.87 - 06.91	6	3.0	JE		**55D26R**	**90D26R**	**110D26R**	
	01.90 - 08.91	6	3.0	JED		**55D26R**	**90D26R**	**110D26R**	
HD	05.91 - 12.95	6	3.0	JE		**55D23L**	**80D23L**	**90D23L**	
HE	11.95 - 09.97	6	3.0	JE		**55D23L**	**80D23L**	**90D23L**	

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A 160									
W168	10.97 - 08.04	4	1.6	M 166.960 <E 16>		**56219**			
A 170									
W169	09.04 - 04.09	4	1.7	M 266.940 <E 17>	SSJ				**DIN LN3**
					SSN	**56219**			
A 190									
W168	03.99 - 08.04	4	1.9	M 166.990 <E 19>		**56219**			
A140									
W168	10.97 - 08.04	4	1.4	M 166.940 <E 14>		**56219**			
A150									
W169	09.04 - 04.09	4	1.5	M 266.920 <E 15>	SSJ				**DIN LN3**
					SSN	**56219**			
A160									
W168	03.01 - 08.04	4	1.6	M 166.960 <E 16>		**56219**			
A190									
W168	03.01 - 08.04	4	1.9	M 166.990 <E 19>		**56219**			
A200									
W169	04.04 - 10.11	4	2.0	M 266.960 <E 20>		**56219**			
	06.05 - 10.10	4	2.0	M 266.980 <E 20 LA>		**56219**			
B 200									
W245	04.05 - 04.11	4	2.0	M 266.960 <E 20>		**56219**			
B 200 Turbo									
W245	04.05 - 10.10	4	2.0	M 266.980 <E 20 LA>		**56219**			
B180									
W245	09.09→	4	1.7		AGM				**DIN LN3**
B180 CDI									
W245	04.05 - 04.11	4	2.0	OM 640.940 <DE 20 LA>				**574.035**	
C 63 AMG									
W204	02.08→	8	6.2	M 156.985 <E 63>		**58014**			

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
C 200 CDI									
W204	04.08→	4	2.1	OM 651.913 <D 22 LHD RED>		**58515**			
C 200 CGI									
W204	04.09→	4	1.8	M2718... <DE 18>		**58515**			
C 230									
W203	06.05 - 07.07	6	2.5	M 272.920 <E 25>		**56638**		**574.035**	
C 230 Sportcoupe									
W203	06.05 - 02.08	6	2.5	M 272.920 <E 25>		**56638**		**574.035**	
C 230 T-Modell									
W203	06.05 - 08.07	6	2.5	M 272.920 <E 25>		**56638**		**574.035**	
C 250 CDI									
W204	09.08→	4	2.2	OM 651.911 <D 22 LHD>	SSJ				**DIN LN3**
C 250 CDI T-Modell									
W204	04.09→	4	2.1	OM 651.911 <D 22 LHD>	AGM				**DIN LN3**
C 300									
W204	05.09 - 01.11	6	3.0	M 272.947 <KE 30>		**58515**			
C 350									
W203	06.05 - 02.07	6	3.5	M 272.960 <E 35>			**60038**		
C 350 CDI									
W204	02.11→	6	3.0	OM 642.834				**DIN110**	
CLK 280 Cabrio									
W209	04.05 - 12.09	6	3.0	M 272.940 <E 30>				**574.035**	
CLK 350 Cabrio									
W209	04.05 - 12.09	6	3.5	M 272.960 <E 35>				**574.035**	
CLK 350 Coupe									
W209	04.05 - 04.09	6	3.5	M 272.960 <E 35>				**574.035**	
CLK55 AMG									
W208	05.99 - 04.02	8	5.4	M 113.984 <E55>			**60038**		
W209	08.01 - 08.06	8	5.4	M 113.987 <E 55>			**60038**		
	09.01 - 08.06	8	5.4	M 113.987 <E 55>				**574.035**	
CLK63 AMG									
W209	09.06 - 12.09	8	6.2	M 156.982 <E 63>			**60038**		
CLK200									
W208	06.97 - 06.00	4	2.0	M 111.945 <E20>		**56219**			
CLK200 Kompressor									
W208	06.00 - 01.03	4	2.0	M 111.956 <E 20 EVO ML>		**56219**			
W209	09.02 - 09.06	4	1.8	M 271.940 <KE 18 ML>		**56638**		**574.035**	
CLK230 Kompressor									
W208	06.97 - 06.00	4	2.3	M 111.975 <E23 ML>		**56219**			
	06.00 - 04.02	4	2.3	M 111.982 <EVO ML>		**56219**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
CLK240									
W209	05.02 - 03.05	6	2.6	M 112.912 <E 26>			**60038**		
CLK320									
W208	06.98 - 01.03	6	3.2	M 112.940 <E32>		**56638**		**574.035**	
W209	05.02 - 03.05	6	3.2	M 112.955 <E 32>		**56638**		**574.035**	
	02.03 - 03.05	6	3.2	M 112.955 <E 32>				**574.035**	
CLK430									
W208	09.98 - 01.03	8	4.3	M 113.943 <E43>			**60038**		
CLK500									
W209	05.02 - 07.06	8	5.0	M 113.968 <E 50>			**60038**		
	02.03 - 07.06	8	5.0	M 113.968 <E 50>				**574.035**	
	09.06 - 12.09	8	5.5	M 273.967 <E 55>				**574.035**	
CL55 AMG									
W215	09.99 - 08.02	8	5.4	M 113.986 <E 55>			**60038**		
CL55 AMG Kompressor									
W215	09.02 - 08.06	8	5.4	M 113.991 <E 55 ML AMG>			**60038**		
CL63 AMG									
W216	01.07 - 07.10	8	6.2	M 156.984 <E 63>			**60038**		
CL65 AMG									
W215	09.03 - 08.06	12	6.0	M 275.980 <E 60>			**60038**		
W216	09.07 - 07.10	12	6.0	M 275.982 <E 60>			**60038**		
CL500									
W215	09.99 - 05.06	8	5.0	M 113.960 <E50>			**60038**		
W216	06.06 - 07.10	8	5.5	M 273.961 <E 55>			**60038**		
CL600									
W140	06.96 - 08.99	12	6.0	M 120.982			**60038**		
W215	09.99 - 08.02	12	5.8	M 137.970 <E 58>			**60038**		
	09.02 - 08.06	12	5.5	M 275.950 <E 55>			**60038**		
W216	09.06→	12	5.5	M 275.953 <E 55>			**60038**		
C32 AMG Kompressor									
W203	01.01 - 01.04	6	3.2	M 112.961 <E 32 AMG>			**60038**		
C36 AMG									
W202	01.94 - 05.97	6	3.6	M 104.941 <AMG>		**56638**		**574.035**	
C43 AMG									
W202	11.97 - 04.00	8	4.3	M 113.944			**60038**		
C55 AMG									
W203	02.04 - 08.07	8	5.4	M 113.988 <E 55>			**60038**		
C180									
W202	03.93 - 08.95	4	1.8	M 111.920 <E 18>		**58515**			
	09.95 - 04.00	4	1.8	M 111.921 <E 18>		**58515**			
W203	10.00 - 08.02	4	2.0	M 111.951 <E 20 EVO>		**56638**		**574.035**	
C180 Kompressor									
W203	09.02 - 02.08	4	1.8	M 271.946 <KE 18 ML>		**56638**		**574.035**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
C180 T-Model									
W202	05.96 - 02.01	4	1.8	M 111.920 <E 18>		**56638**		**574.035**	
C200									
W202	01.94 - 04.00	4	2.0	M 111.941 <E 20>		**56219**			
C200 CGI T-Model									
W204	04.09→	4	1.8	M 271.8... <DE 18 EVO>	SSJ				**DIN LN2**
C200 Kompressor									
W203	09.02 - 02.07	4	1.8	M 271.940 <KE 18 ML>		**56638**		**574.035**	
	04.03 - 04.05	4	1.8	M 271.942 <DE 18 ML>		**56638**		**574.035**	
W204	03.07 - 04.10	4	1.8	M 271.950 <KE 18 ML>	SSJ				**DIN LN3**
					SSN	**56219**			
C200 Kompressor T-Model									
W203	01.01 - 08.02	4	2.0	M 111.955 <E 20 EVO ML>		**56638**		**574.035**	
C200 Kompressor Sportcoupe									
W203	09.02 - 02.08	4	1.8	M 271.940 <KE 18 ML>		**56638**		**574.035**	
C200 Kompressor T-Model									
W203	09.02 - 08.07	4	1.8	M 271.940 <KE 18 ML>		**56638**		**574.035**	
C200 T-Model									
W202	05.96 - 02.01	4	2.0	M 111.941 <E 20>			**60038**		
C220									
W202	03.93 - 09.96	4	2.2	M 111.961 <E 22>		**56219**			
W203	05.00 - 02.03	4	2.2	OM 611.962 <DE LA>			**60038**		
	03.03 - 02.07	4	2.2	OM 646.963 <DE 22 LA>			**60038**		
W204	03.07 - 04.09	4	2.2	OM 646.811 <DE 22 LA LL EVO>		**58014**			
C230									
W202	09.96 - 08.97	4	2.3	M 111.974 <E 23>		**56219**			
C230 Kompressor Sportcoupe									
W203	08.03 - 05.05	4	1.8	M 271.948 <KE 18 ML>		**56638**		**574.035**	
C230 T-Model									
W202	05.96 - 05.97	4	2.3	M 111.974		**56219**			
C240									
W202	06.97 - 04.00	6	2.4	M 112.910 <E 24>		**56219**			
W203	05.00 - 05.05	6	2.6	M 112.912 <E 26>		**56638**		**574.035**	
C240 T-Model									
W202	06.97 - 02.01	6	2.4	M 112.910 <E 24>		**56638**		**574.035**	
W203	01.01 - 05.05	6	2.6	M 112.912 <E 26>		**56638**		**574.035**	
C250									
W202	05.93 - 08.95	5	2.5	OM 605.910			**60038**		
	09.95 - 04.00	5	2.5	OM 605.960 <AD 25 LA>			**60038**		
C280									
W202	05.93 - 05.97	6	2.8	M 104.941			**60038**		
	06.97 - 04.00	6	2.8	M 112.920 <E 28>			**60038**		
W204	03.07 - 04.09	6	3.0	M 272.947 <KE 30>		**56219**			

M

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
C320									
W203	05.00 - 05.05	6	3.2	M 112.946 <E 32>			**60038**		
C320 Sportcoupe									
W203	09.02 - 05.05	6	3.2	M 112.946 <E 32>			**60038**		
E36 AMG									
W124	03.94 - 06.98	6	3.6	M 104.992			**60038**		
E55 AMG									
W210	09.97 - 03.03	8	5.5	M 113.980 <E55>			**60038**		
E200									
W124	07.93 - 06.95	4	2.2	M 111.960		**56638**		**574.035**	
E200 Kompressor									
W210	09.00 - 03.02	4	2.0	M 111.957 <E20 EVO ML>		**56638**		**574.035**	
E220 Cabriolet									
W124	07.93 - 06.98	4	2.2	M 111.960		**56638**		**574.035**	
E220 Coupe									
W124	07.93 - 06.97	4	2.2	M 111.960		**56638**		**574.035**	
E220 T-Model									
W124	07.93 - 05.96	4	2.2	M 111.960		**56638**		**574.035**	
E230									
W210	06.95 - 08.97	4	2.3	M 111.970 <E23>		**56219**			
E230 T-Model									
W210	05.96 - 08.97	4	2.3	M 111.970 <E23>		**56638**		**574.035**	
E240									
W210	09.97 - 04.00	6	2.4	M 112.911 <E24>		**56638**		**574.035**	
W211	03.02 - 03.05	6	2.6	M 112.913 <E 26>	AGM				**DIN LN5**
E240 T-Model									
W210	09.97 - 06.99	6	2.4	M 112.911 <E24>		**56638**		**574.035**	
	06.99 - 01.03	6	2.6	M 112.914 <E26>		**56638**		**574.035**	
E270									
W210	06.99 - 03.02	5	2.7	OM 612.961 <DE LA>			**60038**		
E280									
W124	07.93 - 06.95	6	2.8	M 104.942		**56638**		**574.035**	
W210	06.95 - 01.03	6	2.8	M 112.921 <E28>			**60038**		
	01.96 - 02.97	6	2.8	M 104.945			**60038**		
E280 T-Model									
W124	07.93 - 05.96	6	2.8	M 104.942		**56638**		**574.035**	
E300									
W124	07.93 - 06.95	6	3.0	OM 606.910			**60038**		
E320									
W124	07.93 - 06.95	6	3.2	M 104.992		**56638**		**574.035**	
W210	06.95 - 02.97	6	3.2	M 104.995		**56638**		**574.035**	
	03.97 - 05.99	6	3.2	M 112.941 <E32>		**56638**		**574.035**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
E320 Cabriolet									
W124	05.93 - 06.98	6	3.2	M 104.992			**60038**		
E320 Coupe									
W124	07.93 - 06.98	6	3.2	M 104.992				**574.035**	
E430									
W210	09.97 - 05.99	8	4.3	M 113.940 <E43>			**60038**		
	07.99 - 03.02	8	4.3	M 113.940 <E43>			**60038**		
E500									
W124	09.93 - 08.94	8	5.0	M 119.974			**60038**		
GL320									
W164	02.06 - 04.09	6	3.0	OM 642.940 <D 30>			**60038**		
GL500									
W164	02.06→	8	5.5	M 273.963 <E 55>			**60038**		
G320									
W463	12.97 - 08.06	6	3.2	M 112.945 <E 32>			**60038**		
MB100									
	01.96→	4	2.3	OM 661.911		**56318**		**575.035**	
		5	2.9	OM 662.911		**56318**		**575.035**	
	11.96→	4	2.3	M 161.971		**56318**		**575.035**	
MB140									
	11.96→	5	2.9	OM 662.911		**56318**		**575.035**	
ML 350 4MATIC									
W164	09.05 - 06.11	6	3.5	M 272.967 <E 35>	AGM				**DIN LN5**
ML63 AMG									
W164	02.06 - 11.10	8	6.2	M 156.980 <E 63>	AGM				**DIN LN5**
ML320									
W163	03.98 - 09.02	6	3.2	M 112.942 <E 32>			**60038**		
W164	03.05 - 04.09	6	3.0	OM 642.940 <D 30>	AGM				**DIN LN5**
ML350									
W163	08.02 - 01.03	6	3.7	M 112.970 <E 37>			**60038**		
ML430									
W163	09.98 - 07.02	8	4.3	M 113.942 <E 43>			**60038**		
ML500									
W163	09.01 - 06.05	8	5.0	M 113.965 <E 50>		**58014**			
SL 600									
W129	07.93 - 09.95	12	6.0	M 120.981			**60038**		
SLK 200									
W170	09.96 - 01.00	4	2.0	M 111.946 <E20>		**56638**		**574.035**	
SLK 200 KOMPRESSOR									
W171	12.07 - 11.10	4	1.8	M 271.954 <KE 18 ML>				**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
SLK 280									
W171	05.05 - 02.09	6	3.0	M 272.942 <E 30>				**574.035**	
SLK 350									
W171	12.07 - 02.11	6	3.5	M 272.969 <E 35>				**574.035**	
SLK32 AMG									
W170	06.99 - 03.04	6	3.2	M 112.960 <E32 ML>		**56638**		**574.035**	
SLK55 AMG									
W171	04.04 - 11.10	8	5.4	M 113.989 <E 55>				**574.035**	
SLK200 Kompressor									
W170	09.96 - 01.00	4	2.0	M 111.943 <E20 ML>		**56638**		**574.035**	
	02.00 - 03.04	4	2.0	M 111.958 <E20 EVO ML>		**56638**		**574.035**	
W171	04.04 - 11.07	4	1.8	M 271.944 <KE 18 ML>				**574.035**	
SLK230 Kompressor									
W170	09.96 - 01.00	4	2.3	M 111.973 <E23 ML>		**56638**		**574.035**	
	02.00 - 03.04	4	2.3	M 111.983 <E23 EVO ML>		**56638**		**574.035**	
SLK300									
W171	03.09 - 11.10	6	3.0	M 272.942 <E 30>				**574.035**	
SLK320									
W170	06.99 - 03.04	6	3.2	M 112.947 <E32>		**56638**		**574.035**	
SLK350									
W171	04.04 - 11.07	6	3.5	M 272.963 <E 35>				**574.035**	
SL280									
W129	07.93 - 05.98	6	2.8	M 104.943			**60038**		
	06.98 - 08.01	6	2.8	M 112.923			**60038**		
SL320									
W129	06.98 - 08.01	6	3.2	M 112.943			**60038**		
SL500									
W129	09.93 - 08.95	8	5.0	M 119.972			**60038**		
	09.95 - 05.98	8	5.0	M 119.982			**60038**		
	06.98 - 08.01	8	5.0	M 113.961			**60038**		
SL600									
W129	09.95 - 08.01	12	6.0	M 120.983			**60038**		
Sprinter									
WT1N	02.95 - 03.00	4	2.3	OM 601.943				**574.035**	
		5	2.9	OM 602.980 DE LA			**60038**	**574.035**	
	04.00 - 05.06	4	2.1	OM 611.981 DE LA			**60038**		
			2.2	OM 611.987 DE LA			**60038**		
		5	2.7	OM 612.981 DE LA			**60038**		
	08.02 - 05.06	4	2.1	OM 611.981 DE LA			**60038**		
WNCV3	04.06 - 12.09	4	2.1	OM 646.984 DE 22 LA <Euro 4>; OM 646.985 DE 22 LA <Euro 4>				**574.035**	
	04.06 - 09.11	4	2.1	OM 646.9... <Euro 4>				**574.035**	
Sprinter CDI									
WNCV3	04.06 - 03.09	6	3.0	OM 642... <Euro 4>				**574.035**	
	04.06 - 12.09	4	2.1	OM 646.9... <Euro 4>				**574.035**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
S280									
W140	06.93 - 09.98	6	2.8	M 104.944			**60038**		
S320									
W220	10.98 - 08.02	6	3.2	M 112.944 <E32>			**60038**		
S420									
W140	06.93 - 09.98	8	4.2	M 119.971;981			**60038**		
S430									
W220	10.98 - 01.06	8	4.3	M 113.941 <E43>			**60038**		
S500									
W140	06.93 - 09.98	8	5.0	M 119.970;980			**60038**		
W220	06.00 - 08.05	8	5.0	M 113.960 <E50>			**60038**		
S600									
W140	06.93 - 05.96	12	6.0	M 120.98... <M 120>			**60038**		
	06.93 - 09.98	12	6.0	M 120.98...			**60038**		
Viano									
W639 T0N	09.03 - 12.10	4	2.1	OM 646.98... <OM 646 DE22LA>			**60038**		
	06.04 - 08.07	6	3.7	M 112.976 <M 112.E37>			**60038**		
Vito									
W638 T0N	11.95 - 09.03	4	2.0	M 111.950 <E20>			**60038**		
			2.3	OM 601.942			**60038**		
	04.99 - 09.03	4	2.2	OM 611.980			**60038**		
W639 T0N	10.03 - 10.06	4	2.1	OM 646.983 <OM 646 DE22LA>			**60038**		
	10.03 - 12.10	6	3.2	M 112.951 <M 112.E32>			**60038**		
Vito CDI									
W639 T0N	10.03 - 07.10	4	2.1	OM 646.982 <OM 646 DE22LA>			**60038**		
	04.06 - 07.10	6	3.0	642.990 <OM 642 DE30LA>				**574.035**	
	11.06 - 07.10	4	2.1	OM 646.980 <OM 646 DE22LA>; OM 646.981 <OM 646 DE22LA>			**60038**		
180E									
W201	09.91 - 04.94	4	1.8	M 102.910		**56219**			
190E									
W201	08.84 - 08.93	4	2.3	M 102.985		**56219**			
	09.86 - 09.93	4	2.0	M 102.962		**56219**			
	09.89 - 08.92	4	2.3	M 102.985		**56219**			
	03.90 - 08.93	4	1.8	M 102.910		**56219**			
220E									
W124	09.92 - 06.93	4	2.2	M 111.960		**56638**		**574.035**	
230E									
W124	12.84 - 06.93	4	2.3	M 102.982		**56219**			
230TE									
W124	09.85 - 08.93	4	2.3	M 102.982		**56638**		**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
260E									
W124	09.85 - 10.92	6	2.6	M 103.940		**56638**		**574.035**	
300CE									
W124	03.87 - 06.93	6	3.0	M 103.983		**56638**		**574.035**	
	09.89 - 12.92	6	3.0	M 104.980		**56638**		**574.035**	
300D									
W124	01.85 - 06.93	6	3.0	OM 603.912		**56638**		**574.035**	
300E									
W124	01.85 - 08.93	6	3.0	M 103.98...		**56638**		**574.035**	
	09.92 - 06.93	6	2.8	M 104.942			**60038**		
300GD									
W460	12.79 - 08.91	5	3.0	OM 617.931			**60038**		
300SE									
W126	09.85 - 06.91	6	3.0	M 103.981		**56638**		**574.035**	
	09.89 - 06.91	6	3.0	M 103.981				**574.035**	
W140	03.91 - 05.93	6	3.2	M 104.99...			**60038**		
300TD									
W124	09.89 - 06.93	6	3.0	OM 603.912			**60038**		
300TE									
W124	01.86 - 08.92	6	3.0	M 103.983		**56638**		**574.035**	
320CE									
W124	09.92 - 06.93	6	3.2	M 104.992		**56638**		**574.035**	
320E									
W124	09.92 - 06.93	6	3.2	M 104.992		**56638**		**574.035**	
400SE									
W140	02.91 - 05.93	8	4.2	M 119.971;981			**60038**		
420SEL									
W126	09.85 - 06.91	8	4.2	M 116.965			**60038**		
500SE									
W140	02.91 - 05.93	8	5.0	M 119.970;980			**60038**		
500SEC									
W140	10.92 - 05.93	8	5.0	M 119.970;980			**60038**		
500SL									
W129	09.89 - 08.92	8	5.0	M 119.960			**60038**		
560SEC									
W126	10.85 - 06.91	8	5.6	M 117.968			**60038**		
560SEL									
W126	10.85 - 06.91	8	5.6	M 117.968 <KAT>			**60038**		
600SL									
W129	07.92 - 06.93	12	6.0	M 120.981;983			**60038**		

MG

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
MGF									
	10.95 - 03.02	4	1.8	18 K4F <K-Serie>; 18 K4K <MPI VVC K-Serie>				**560.035**	
MGTF									
	03.02 - 05.05	4	1.8	18 K4F K-Serie <DOHC>; 18 K4F K-Serie- VVC- <DOHC>				**560.035**	
	03.02→	4	1.8	18 K4F K-Serie <DOHC>				**560.035**	
ZR									
	10.01 - 05.05	4	1.8	18 K4K <K-Serie>				**560.035**	
ZS									
	10.01 - 05.05	6	2.5	25 K4F <K-Serie>		**55066**			
ZT									
	10.01 - 05.05	6	2.5	25 K4F <K-Serie>		**56638**		**574.035**	
	03.02 - 05.05	8	4.6	46F2F <260>		**56219**			

MINI (BMW)

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Cooper									
R 50	06.01 - 11.07	4	1.6	W10 B16A...		**56219**			
R 56	11.06 - 08.10	4	1.6	N12 B16...		**56219**			
					AGM,BWD				**DIN LN3**
	03.10→	4	1.6	N16 B16A	SSJ				**DIN LN3**
Cooper Cabrio									
R 52	07.04 - 07.08	4	1.6	W10 B16A...		**56219**			
Cooper Clubman									
R 55	11.07 - 07.10	4	1.6	N12 B16...	SSJ				**DIN LN3**
Cooper S									
R 53	03.02 - 11.06	4	1.6	W11 B16A		**56219**			
R 56	11.06 - 07.10	4	1.6	N14 B16A..		**56219**			
					AGM				**DIN LN3**
Cooper S Cabrio									
R 52	08.04 - 07.08	4	1.6	W11 B16A		**56219**			
Cooper S Clubman									
R 55	11.07 - 07.10	4	1.6	N14 B16AB	SSJ				**DIN LN3**
Cooper S Coupe									
R 58	09.11→	4	1.6	N18 B16A	SSJ				**DIN LN3**
Cooper S Roadster									
R 59	02.12→	4	1.6	N18 B16A	SSJ				**DIN LN3**
John Cooper Works									
R 53	08.04 - 11.06	4	1.6	W11 B16A		**56219**			
John Cooper Works Cabrio									
R 52	08.04 - 07.08	4	1.6	W11 B16A		**56219**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
John Cooper Works Clubman									
R 55	07.08 - 06.12	4	1.6	N14 B16C		**56219**			
					AGM,BWD				**DIN LN3**
John Cooper Works Coupe									
R 58	09.11 - 07.12	4	1.6	N14 B16C	SSJ				**DIN LN3**
John Cooper Works Roadster									
R 59	02.12 - 06.12	4	1.6	N14 B16C	SSJ				**DIN LN3**

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Bravo								
U41V	01.91 - 08.99	3	0.7	3G83 (SOHC)				**46B19R**
U42V	01.91 - 08.99	3	0.7	3G83 (SOHC)				**46B19R**
U41V	01.92 - 08.99	3	0.7	3G83 (DOHC)				**46B19R**
Bravo 0.7								
U43V	12.93 - 08.99	4	0.7	4A30 (SOHC)		**40B19R**		**46B19R**
Bravo 0.7i								
U43V	01.94 - 08.99	4	0.7	4A30 (SOHC)		**40B19R**		**46B19R**
Bravo 0.7i Turbo								
U43V	01.94 - 08.99	4	0.7	4A30 (DOHC)		**40B19R**		**46B19R**
Challenger								
	05.96 - 07.97	4	2.5	4D56		**55D26R**	**90D26R**	**110D26R**
K96W	05.96 - 07.98	6	3.0	6G72 (SOHC)		**55D26R**	**90D26R**	**110D26R**
	05.96 - 05.99	4	2.8	4M40		**55D26R**	**90D26R**	**110D26R**
	08.97 - 08.01	6	3.5	6G74 (DOHC)		**55D26R**	**90D26R**	**110D26R**
PA	02.98→	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**
KH	10.09→	4	2.5	4D56		**95D31L**	**105D31L**	**125D31L**
Chariot								
N43W	03.91 - 10.97	4	2.0	4G63 (SOHC)		**40B19R**		**46B19R**
N38W	06.92 - 10.97	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**
N48W	06.92 - 10.97	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**
N43W	05.95 - 10.97	4	2.0	4G63 (DOHC)		**40B19R**		**46B19R**
Chariot Grandis 3.0i								
N86W	10.99 - 04.02	6	3.0	6G72 (DOHC)		**55D23L**	**80D23L**	**90D23L**
Chariot Grandis 3.0i 4WD								
N96W	10.99 - 04.02	6	3.0	6G72 (DOHC)		**55D23L**	**80D23L**	**90D23L**
Colt								
RE	09.88 - 12.90	4	1.4	4G33		**40B19LS**		
			1.6	4G32		**40B19LS**		
CZ	04.04 - 06.10	4	1.5	4A91		**55066**		
CJ	10.04 - 05.06	4	1.5	4G15 (DOHC)		**55D23R**	**80D23R**	**90D23R**
	10.04→	4	1.5	4A91		**55D23R**	**80D23R**	**90D23R**
Debonair								
S11A	10.89 - 07.92	6	2.0	6G71		**55D23R**	**80D23R**	**90D23R**
Debonair 3.0 LPG								
S22A	09.92 - 12.99	6	3.0	6G72 (SOHC)		**55D23R**	**80D23R**	**90D23R**

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
Delica									
L039P/L069P	04.86 - 05.94	4	2.5	4D56			**90D26R**	**110D26R**	
P25V/P45V	04.86 - 08.94	4	2.5	4D56			**90D26R**	**110D26R**	
	04.86 - 08.99	4	2.5	4D56		**40B19RS**			
P05V/P15V	04.86 - 08.99	4	2.5	4D56			**90D26R**	**110D26R**	
P05W/P15W	04.86 - 08.99	4	2.5	4D56		**55D23L**	**80D23L**	**90D23L**	
PA3V	03.94 - 04.99	4	2.0	4G63 (SOHC)		**55D23R**	**80D23R**	**90D23R**	
PA5W/PB5W/ PC5W	03.94 - 04.99	4	2.5	4D56			**90D26R**	**110D26R**	
P05T/P15T	03.94 - 06.99	4	2.5	4D56			**90D26R**	**110D26R**	
P25T	03.94 - 06.99	4	2.5	4D56			**90D26R**	**110D26R**	
PA4W/PB4W/ PC4W	03.94 - 07.02	4	2.4	4G64 (SOHC)		**55D23R**	**80D23R**	**90D23R**	
PD8W/PE8W/ PF8W	03.94 - 10.04	4	2.8	4M40			**90D26R**	**110D26R**	
PD6W/PF6W	03.94 - 12.06	6	3.0	6G72 (SOHC)			**90D26R**	**110D26R**	
	08.99→	4	2.0	4G63		**55D23R**	**80D23R**	**90D23R**	
Delica Cargo 2.0 Diesel Turbo									
SKF6VM	12.03→	4	2.0	RF			**90D26L**	**110D26L**	
Delica Cargo 2.0 Diesel Turbo 4WD									
SKF6MM	12.03 - 08.07	4	2.0	RF				**90D23L**	
Delica D:5 2.4i									
CV5W	05.07 - 01.10	4	2.4	4B12		**55D23L**	**80D23L**	**90D23L**	
Delica D:5 2.4i 4WD									
CV5W	01.07→	4	2.4	4B12		**55D23L**	**80D23L**	**90D23L**	
Delica Spacegear									
PB6W	03.94 - 04.99	6	3.0	6G72 (SOHC)			**90D26R**	**110D26R**	
Delica Truck 2.2 Diesel									
SK22TM	09.99 - 12.03	4	2.2	R2				**90D23L**	
Delica Truck 2.2 Diesel 4WD									
SK22LM	09.99 - 12.03	4	2.2	R2		**55D23L**	**80D23L**	**90D23L**	
Delica Van 2.2 Diesel									
SK22VM	09.99 - 12.03	4	2.2	R2				**90D23L**	
Delica Van 2.2 Diesel 4WD									
SK22MM	09.99 - 12.03	4	2.2	R2				**90D23L**	
Diamante									
F47A	01.95 - 06.97	6	3.0	6G72 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
F31A/F31AK	01.95 - 09.02	6	2.5	6G73 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
F36A	01.95 - 09.02	6	3.0	6G72 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
F41A	01.95 - 09.02	6	2.5	6G73 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
F46A	01.95 - 09.02	6	3.0	6G72 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
F38AT	09.96 - 08.04	6	3.5	6G74		**22FR-530**	**22FR-610**	**22FR-680**	
eK									
H81W	10.01 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
	05.03 - 12.05	3	0.7	3G83 (SOHC)				**46B19L**	
eK Active 0.7i									
H81W	05.04 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
eK Active 0.7i Turbo									
H81W	05.04 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Active 0.7i Turbo 4WD									
H81W	05.04 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Active 0.7i 4WD									
H81W	05.04 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Sport 0.7i									
H81W	09.02 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Sport 0.7i Turbo									
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Sport 0.7i Turbo 4WD									
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Sport 0.7i 4WD									
H81W	09.02 - 08.06	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Wagon 0.7i									
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
eK Wagon 0.7i 4WD									
H82W	09.06→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Eterna									
E34A	07.88 - 05.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
E57A	06.92 - 08.96	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
E77A	06.92 - 08.96	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
Express / Starwagon L300									
SF	01.86 - 12.90	4	2.0	4G63		**40B19LS**			
			2.4	4G64		**40B19LS**			
SF, SG	01.86 - 12.90	4	2.0	4G63		**40B19LS**			
			2.4	4G64		**40B19LS**			
SG	01.90 - 12.91	4	2.0	4G63		**40B19LS**			
			2.4	4G64		**40B19LS**			
SH	09.91→	4	2.4	4G64		**40B19LS**			
	01.92 - 08.94	4	2.0	4G63		**40B19LS**			
			2.5	4D56		**95D31R**	**105D31R**	**125D31R**	
WA	09.94 - 06.06	4	2.4	4G64		**40B19LS**			
SJ	09.94→	4	2.0	4G63		**40B19LS**			
			2.5	4D56		**95D31R**	**105D31R**	**125D31R**	
FTO									
	09.94 - 07.00	4	1.8	4G93 (SOHC)		**55B24RS**			
		6	2.0	6A12 (DOHC)		**55B24RS**			
Galant									
E34A/E34AR	02.88 - 05.92	4	1.8	4D65				**125D31R**	
HG	01.89 - 12.90	4	2.0	4G63 SOHC		**55D23R**	**80D23R**	**90D23R**	
HG/HH	01.89 - 12.93	4	2.0	4G63 DOHC		**55D23R**	**80D23R**	**90D23R**	
HH	01.90 - 12.93	4	2.0	4G63 SOHC		**55D23R**	**80D23R**	**90D23R**	
E57A	06.92 - 08.96	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
E77A	06.92 - 08.96	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
HJ	11.92 - 05.96	4	2.0	4G63 Kat.; 4G63 SOHC Kat.		**55D23R**	**80D23R**	**90D23R**	
		6	2.0	6A12 Kat.		**55D23R**	**80D23R**	**90D23R**	
CY4A	08.07 - 12.09	4	2.0	4B11				**90D23L**	
Galant VR4									
HH	01.90 - 12.93	4	2.0	4G63 DOHC		**55D23R**	**80D23R**	**90D23R**	
Grandis									
	01.04 - 11.10	4	2.4	4G69		**95D31L**	**105D31L**	**125D31L**	
GTO									
Z15A/Z16A	10.90 - 07.00	6	3.0	6G72 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
Lancer									
C6/C7	04.88 - 05.90	4	1.6	4G61		**40B19RS**			
CA	08.88 - 09.90	4	1.5	4G15		**40B19RS**			
CK5A	01.90→	4	1.8	4G93		**55D23L**	**80D23L**	**90D23L**	
CB	10.90 - 09.92	4	1.5	4G15 SOHC		**40B19RS**			
			1.6	4G61 DOHC		**40B19RS**			
CB7A	10.91 - 10.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
CD7A	10.91 - 10.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
CB3A	10.91 - 10.95	4	1.5	4G91		**55D23R**	**80D23R**	**90D23R**	
CA/CB/CD	05.92 - 12.96	4	1.8	4G93 Kat.		**40B19RS**			
C6/C7	06.92 - 07.95	4	1.5	4G15		**40B19RS**			
			1.6	4G92 Kat.		**40B19RS**			
CD9A	10.92 - 01.94	4	2.0	4G63 (DOHC)		**40B19R**		**46B19R**	
CD8A	10.92 - 10.95	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
CC	10.92 - 06.96	4	1.5	4G15		**40B19RS**			
			1.6	4G92 Kat.		**40B19RS**			
			1.8	4G93 Kat.		**40B19RS**			
CB8A/CB8AR	10.92 - 10.96	4	2.0	4D68		**40B19R**		**46B19R**	
CB4A/CK4A	10.92 - 05.00	4	1.6	4G92 (DOHC)	TW	**55B24R**	**80D23L**	**90D23L**	
						55D23L	**80D23L**	**90D23L**	
CA/CB/CD	07.93 - 12.97	4	1.5	4G15 <MPI>		**40B19RS**			
	12.93 - 12.96	4	1.6	4G92 MVV		**40B19RS**			
CK8A/CK8AR	08.95 - 06.99	4	2.0	4D68				**125D31L**	
CM8A	08.95 - 06.99	4	2.0	4D68				**125D31L**	
CK/CP/CN	11.95 - 09.00	4	1.5	4G15		**40B19LS**			
			1.6	4G92 Kat.		**40B19LS**			
	05.96 - 05.01	4	1.8	4G93 Kat.		**40B19LS**			
MG21/41	01.98 - 02.03	4	1.5	4G15		**40B19LS**			
CS/CT	06.02 - 04.10	4	2.0	4G63		**55D23L**	**80D23L**	**90D23L**	
	06.03 - 06.08	4	2.0	4G63		**40B19LS**			
	06.03 - 04.10	4	1.3	4G13		**40B19LS**			
	01.05 - 06.07	4	2.0	4G94		**55D23L**	**80D23L**	**90D23L**	
CJ	03.07 - 06.12	4	2.0	4B11		**55D23L**	**80D23L**	**90D23L**	
	07.07→	4	2.0	4B11 <DOHC MIVEC 16v>		**55D23L**	**80D23L**	**90D23L**	
	08.07 - 12.09	4	2.0	4B11		**22FR-530**	**22FR-610**	**22FR-680**	
CJ	09.08 - 08.12	4	2.4	4B12		**55D23L**	**80D23L**	**90D23L**	
	12.08 - 12.09	4	2.0	4B11		**55D23L**	**80D23L**	**90D23L**	
Lancer Cargo 1.5i 16V									
CS2V	11.02 - 12.08	4	1.5	4G15 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
Lancer Evo									
CK/CP/CN	08.96 - 06.97	4	2.0	4G63 Kat.		**40B19LS**			
	01.98 - 09.00	4	2.0	4G63 Kat.		**40B19LS**			
CS/CT	12.00 - 12.03	4	2.0	4G63		**55D23L**	**80D23L**	**90D23L**	
	01.01 - 01.07	4	2.0	4G63 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
CS/CT	09.02 - 07.05	4	2.0	4G63		**40B19LS**			
	08.05 - 06.07	4	2.0	4G63 MIVEC		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
CY/CZ	08.07→	4	2.0	4B11 <T/C MIVEC 14>			**90D26L**	**110D26L**	
Lancer GSR									
	10.92 - 10.95	4	1.8	4G93 (DOHC)				**90D23R**	
	10.95 - 05.96	4	1.8	4G93 (DOHC)		**55B24LS**			
Lancer Wagon 1.8 Diesel									
C14W	09.87 - 09.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
Lancer Wagon 1.8 Diesel 4WD									
C34W	06.88 - 09.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
Legnum									
EA3W	08.98 - 08.02	4	2.4	4G64 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
EC3W	08.98 - 08.02	4	2.4	4G64 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
Libero									
CD8W	06.92 - 06.99	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
CB8W	06.92 - 08.02	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
CB8V	08.94 - 08.02	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
Libero Cargo									
CB8V	06.92 - 06.99	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
CD8V	06.92 - 08.02	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
L200									
K0/K1/K2/K3	06.90 - 05.91	6	3.0	6G72		**40B19R**		**46B19R**	
L300									
P	11.88 - 05.96	4	2.4	4G64 Kat.		**40B19R**		**46B19R**	
Magna / Verada									
TP	06.89 - 04.92	4	2.6	4G54 <Astron II>; 4G54 EFI <Astron II>			**22NF-330D**		
TR	04.91 - 02.94	4	2.6	4G54 EFI <Astron II>		**22FR-530**	**22FR-610**	**22FR-680**	
KR	07.91 - 02.94	6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
TR	10.91 - 02.94	4	2.6	4G54		**22FR-530**	**22FR-610**	**22FR-680**	
	04.93 - 02.94	6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
KS	03.94 - 09.96	6	3.0	6G72 <E32>		**22FR-530**	**22FR-610**	**22FR-680**	
TS	03.94 - 02.97	4	2.6	4G54		**22FR-530**	**22FR-610**	**22FR-680**	
		6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
TE	04.96 - 05.97	4	2.4	4G64		**22FR-530**	**22FR-610**	**22FR-680**	
		6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
KE	10.96 - 05.97	6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
			3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
KF	06.97 - 03.99	6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
			3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TF	06.97 - 03.99	4	2.4	4G64		**22FR-530**	**22FR-610**	**22FR-680**	
		6	3.0	6G72		**22FR-530**	**22FR-610**	**22FR-680**	
KW	01.98 - 03.07	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
KH	04.99 - 07.00	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TH	04.99 - 07.00	6	3.0	6G72 <E32>		**22FR-530**	**22FR-610**	**22FR-680**	
			3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
KJ	08.00 - 06.02	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TJ	08.00 - 06.02	6	3.0	6G74 <E32>		**22FR-530**	**22FR-610**	**22FR-680**	
			3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
KJ II	07.02 - 07.03	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TJ II	07.02 - 01.04	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
KL	06.03 - 09.04	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TL	06.03 - 09.04	6	3.5	6G74 <E35>		**22FR-530**	**22FR-610**	**22FR-680**	
TW	10.04 - 09.05	6	3.5	6G74 <E35>; 6G74 <E40>		**22FR-530**	**22FR-610**	**22FR-680**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Minica									
H42A	10.98 - 07.07	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
H47A	10.98 - 07.07	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Minica Toppo Van 0.7									
H32V	09.93 - 11.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica Toppo Van 0.7 4WD									
H37V	09.93 - 11.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica Toppo 0.7									
H32A	09.95 - 11.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica Truck									
U18T	01.90 - 02.91	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
U19T	01.90 - 02.91	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
U41T	01.91 - 08.99	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica Van									
H22V/H22VW	01.90 - 10.95	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
H27V/H27VW	01.90 - 10.95	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
H42V	08.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
H47V	10.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Minica Van 0.6									
H21V	01.89 - 03.90	3	0.6	3G81 (SOHC)				**46B19R**	
Minica Van 0.7									
H32V	09.93 - 10.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica Van 0.7 4WD									
H37V	09.93 - 10.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica 0.7									
H32A	09.93 - 10.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minica 0.7 4WD									
H37A	09.95 - 10.98	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minicab Truck									
U41T	01.91 - 08.99	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
U42T	01.91 - 08.99	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
U41T	01.94 - 08.99	3	0.7	3G83 (DOHC)		**40B19R**		**46B19R**	
U42T	10.97 - 08.99	3	0.7	3G83 (DOHC)		**40B19R**		**46B19R**	
U61T	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
U62T	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Minicab Van									
U41V	01.91 - 08.99	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
U42V	01.91 - 08.99	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
	01.94 - 08.99	3	0.7	3G83 (DOHC)		**40B19R**		**46B19R**	
U61V	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Minicab Van 0.7									
U18V	01.90 - 02.91	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	
Minicab Van 0.7 4WD									
U19V	01.90 - 02.91	3	0.7	3G83 (SOHC)		**40B19R**		**46B19R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Minicab Van 0.7i									
U62V	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Mirage									
C14W	09.87 - 09.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
C34W	06.88 - 09.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
CB7A	10.91 - 10.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
CD7A	10.91 - 10.92	4	1.8	4D65		**75D31R**	**105D31R**	**125D31R**	
CB3A	10.91 - 10.95	4	1.5	4G91		**55D23R**	**80D23R**	**90D23R**	
CB8A	10.92 - 10.95	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
CD8A	10.92 - 10.95	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
	01.93→	4	1.5	4G15 <SOHC Kat.>		**40B19RS**			
CK8A	08.95 - 06.99	4	2.0	4D68		**75D31L**	**105D31L**	**125D31L**	
CM8A	08.95 - 06.99	4	2.0	4D68		**75D31L**	**105D31L**	**125D31L**	
CE	06.96 - 12.03	4	1.5	4G15 S3		**40B19RS**			
Mirage Dingo									
CQ1A	01.00 - 08.02	4	1.3	4G13				**46B19L**	
Mirage Dingo 1.5i									
CQ2A	11.98 - 08.02	4	1.5	4G15 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Mirage Dingo 1.5i 4WD									
CQ2A	12.99 - 08.02	4	1.5	4G15 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Nimbus									
UC	09.87 - 11.91	4	2.0	4G63		**40B19LS**			
UF	01.92 - 11.98	4	2.4	4G64 SOHC			**22NF-330D**		
UG	12.98→	4	2.4	4G64		**55B24LS**			
Outlander									
ZE	05.03 - 07.04	4	2.4	4G64S4M		**55D23L**	**80D23L**	**90D23L**	
ZF	08.04 - 10.06	4	2.4	4G69 MIVEC		**55D23L**	**80D23L**	**90D23L**	
ZG/ZH	11.06→	4	2.4	4B12		**55D23L**	**80D23L**	**90D23L**	
	10.07 - 09.09	6	3.0	6B31		**55D23L**	**80D23L**	**90D23L**	
Outlander 2.4i 4WD									
CW5W	09.05 - 10.12	4	2.4	4B12				**90D23L**	
Pajero									
NA-NG	12.82 - 04.91	4	2.6	4G54		**55D26R**	**90D26R**	**110D26R**	
NF/NG	09.88 - 04.91	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**	
NF-NH	09.88 - 04.91	6	3.0	6G72 (SOHC)		**55D26R**	**90D26R**	**110D26R**	
V24C	10.90 - 05.97	4	2.5	4D56			**90D26R**	**110D26R**	
V24W/V24WG/ V44W/V44WG/ V47WG	10.90 - 05.97	4	2.5	4D56			**90D26R**	**110D26R**	
NG-NL	10.90 - 09.99	6	3.0	6G72 (SOHC)		**55D26R**	**90D26R**	**110D26R**	
NF/NG	12.90 - 06.00	4	2.5	4D56				**125D31R**	
V14V/V34V	01.91 - 07.93	4	2.5	4D56			**90D26R**	**110D26R**	
V24V	01.91 - 07.93	4	2.5	4D56			**90D26R**	**110D26R**	
NH-NG	04.91 - 07.93	4	2.5	4D56			**105D31R**	**125D31R**	
NH	05.91 - 10.93	4	2.6	4G54		**55D26R**	**90D26R**	**110D26R**	
NH-NL	05.91 - 08.97	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**	
NJ-NL	07.93 - 05.97	6	3.5	6G74 (DOHC)		**95D31R**	**105D31R**	**125D31R**	
	07.93 - 09.99	4	2.8	4M40		**95D31R**	**105D31R**	**125D31R**	
V46V	07.93 - 09.99	4	2.8	4M40			**90D26R**	**110D26R**	
NJ-NM	11.93 - 02.00	6	3.5	6G74 Kat.		**95D31R**	**105D31R**	**125D31R**	
NF-NJ	11.93 - 04.00	4	2.8	4M40				**125D31R**	
NJ-NL	06.94 - 05.99	4	2.8	4M40				**125D31R**	
NK/NL	04.96 - 09.99	4	2.4	4G64 (SOHC)		**55D23L**	**80D23L**	**90D23L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
NL	05.97 - 09.99	6	3.5	6G74 (DOHC)		**55D26R**	**90D26R**	**110D26R**	
	08.97 - 09.99	6	3.5	6G74 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
NL/NM	06.99 - 07.00	6	3.5	6G74 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
NG-NP	06.99 - 11.04	4	3.2	4M41		**75D31L**	**105D31L**	**125D31L**	
NM-NW	01.00→	6	3.5	6G74 DOHC 24V		**55D23R**	**80D23R**	**90D23R**	
NM-NS	02.00 - 08.06	4	3.2	4M41				**125D31L**	
NM-NP	07.00 - 10.05	6	3.5	6G74 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
NM-NS	07.00 - 09.06	6	3.0	6G72 (SOHC)		**95D31R**	**105D31R**	**125D31R**	
NP-NW	01.03→	6	3.8	6G75		**95D31R**	**105D31L**	**125D31L**	
V77W	10.05 - 09.06	6	3.8	6G75				**90D23L**	
NS,NT	10.06→	6	3.8	6G75			**105D31L**	**125D31L**	
V83W/V93W	10.06→	6	3.0	6G72 (SOHC)			**90D26L**	**110D26L**	
NT	10.08 - 08.10	4	3.2	4M41			**90D26L**	**110D26L**	
Pajero DI-D									
NT	07.09→	4	3.2	4M41			**90D26L**	**110D26L**	
Pajero iO									
QA	03.99 - 09.01	4	1.6	4G18 <6-T1>		**55D23L**	**80D23L**	**90D23L**	
			1.8	4G93 Kat.		**55D23L**	**80D23L**	**90D23L**	
	10.99 - 08.01	4	1.8	4G93 DOHC		**56219**			
H67W/H77W	06.00 - 05.07	4	2.0	4G94 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
QA	07.00 - 01.04	4	2.0	4G94		**56219**			
H76W	07.00 - 05.07	4	1.8	4G93 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Pajero Mini									
H58A	10.98→	4	0.7	4A30 (SOHC)		**40B19L**		**46B19L**	
H53A	10.99 - 12.05	4	0.7	4A30 (SOHC)		**40B19L**		**46B19L**	
Pajero Mini 0.7i									
H53A	10.98→	4	0.7	4A30 (SOHC)		**40B19L**		**46B19L**	
Pajero 2.8 Diesel Turbo 4WD									
V26C	05.97 - 09.99	4	2.8	4M40			**90D26R**	**110D26R**	
Proudia 3.5i									
S32A	02.00 - 05.01	6	3.5	6G74 (DOHC)		**55D23R**	**80D23R**	**90D23R**	
RVR									
	01.91 - 09.92	4	2.0	4G63 (DOHC)				**90D23R**	
	06.91 - 11.97	4	1.8	4G93 (SOHC)				**90D23R**	
	09.92 - 11.97	4	2.0	4D68		**75D31R**	**105D31R**	**125D31R**	
				4G63 (DOHC)		**40B19R**		**46B19R**	
	09.94 - 11.97	4	2.0	4G63 (DOHC)				**90D23R**	
	09.97 - 09.99	4	2.0	4G63 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
	09.97 - 08.02	4	1.8	4G93 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
						55D23R	**80D23R**	**90D23R**	
			2.4	4G64 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
	10.99 - 08.02	4	2.0	4G63 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
			2.4	4G64 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Toppo									
H41A	10.98 - 07.02	4	0.7	4A30 (DOHC)				**46B19L**	
H46A	10.98 - 07.02	4	0.7	4A30 (DOHC)				**46B19L**	
	10.98 - 08.02	4	0.7	4A30 (SOHC)				**46B19L**	
H42A	10.98 - 08.03	3	0.7	3G83 (SOHC)				**46B19L**	
H47A	10.98 - 08.03	3	0.7	3G83 (SOHC)				**46B19L**	
H41A	10.99 - 07.02	4	0.7	4A30 (SOHC)				**46B19L**	
Toppo BJ Van 0.7i									
H42V	01.00 - 08.03	3	0.7	3G83 (SOHC)				**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Toppo BJ Van 0.7i 4WD									
H47V	01.00 - 08.03	3	0.7	3G83 (SOHC)				**46B19L**	
Townbox									
U61W	08.02→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
U62W	08.02→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Townbox 0.7i									
U61W	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Townbox 0.7i Turbo									
U63W	11.98 - 08.02	4	0.7	4A30 (DOHC)				**46B19L**	
Townbox 0.7i Turbo 4WD									
U64W	11.98 - 08.02	4	0.7	4A30 (DOHC)				**46B19L**	
Townbox 0.7i 4WD									
U62W	11.98→	3	0.7	3G83 (SOHC)		**40B19L**		**46B19L**	
Triton									
MH	09.90 - 07.92	4	2.5	4D56		**55D26R**	**90D26R**	**110D26R**	
			2.6	4G54		**55D26R**	**90D26R**	**110D26R**	
MJ	10.90 - 09.96	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**	
	08.92 - 09.96	4	2.5	4D56		**55D26R**	**90D26R**	**110D26R**	
			2.6	4G54		**55D26R**	**90D26R**	**110D26R**	
MK	10.96 - 12.02	4	2.8	4M40		**95D31R**	**105D31R**	**125D31R**	
	10.96 - 12.03	4	2.4	4G64		**22FR-530**	**22FR-610**	**22FR-680**	
	10.96 - 04.07	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**	
	10.96→	4	2.8	4M40		**95D31R**	**105D31R**	**125D31R**	
	01.04 - 04.07	6	3.0	6G72		**55D26R**	**90D26R**	**110D26R**	
	08.05→	4	3.2	4M41 <DOHC DI-D>			**105D31L**	**125D31L**	
MN	08.05→	4	2.5	4D56 <DOHC DI-D>		**95D31R**	**105D31R**	**125D31R**	
	09.06→	6	3.5	6G74 (SOHC)			**105D31L**	**125D31L**	
380									
DL I	10.05 - 03.06	6	3.8	6G75		**55D23R**	**80D23R**	**90D23R**	
DL II	04.06 - 06.07	6	3.8	6G75		**55D23R**	**80D23R**	**90D23R**	
DL III	07.07 - 03.08	6	3.8	6G75		**55D23R**	**80D23R**	**90D23R**	

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AD									
WFNY10	10.90 - 06.95	4	1.5	GA15DS				**90D23L**	
WFY10	10.90 - 06.95	4	1.5	GA15DS				**90D23L**	
WY10	10.90 - 06.95	4	1.3	GA13DS				**90D23L**	
WFNY10	06.95 - 05.96	4	1.5	GA15DE				**90D23L**	
WFY10	06.95 - 05.96	4	1.5	GA15DE				**90D23L**	
AD Expert 1.5i									
VY12	01.07→	4	1.5	HR15DE				**46B19L**	
AD Expert 1.8i									
VJY12	01.07→	4	1.8	MR18DE				**46B19L**	
AD MAX									
WFGY10	04.92 - 06.95	4	1.5	GA15DS				**90D23L**	
	06.95 - 06.99	4	1.5	GA15DE		**40B19L**		**46B19L**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
AD MAX Van 1.5									
VFGY10	04.92 - 05.97	4	1.5	GA15DS				**90D23L**	
AD MAX Van 1.7 Diesel									
VSGY10	04.92 - 05.97	4	1.7	CD17				**125D31L**	
AD MAX Van 2.0 Diesel									
VEGY10	05.97 - 06.99	4	2.0	CD20				**125D31L**	
AD Van									
VFNY10	10.90 - 05.97	4	1.5	GA15DS				**90D23L**	
VFY10	10.90 - 05.97	4	1.5	GA15DS				**90D23L**	
VY10	10.90 - 05.97	4	1.3	GA13DS				**90D23L**	
VENY10	05.97 - 06.99	4	2.0	CD20				**125D31L**	
VFNY10	05.97 - 06.99	4	1.5	GA15DE				**90D23L**	
VFY10	05.97 - 06.99	4	1.5	GA15DE				**90D23L**	
VY10	05.97 - 06.99	4	1.3	GA13DE				**90D23L**	
VY11	06.99 - 12.06	4	1.3	QG13DE		**55D23L**	**80D23L**	**90D23L**	
VHNY11	06.99→	4	1.8	QG18DE		**55D23L**	**80D23L**	**90D23L**	
AD Van 1.3									
MVY10	07.93 - 06.99	4	1.3	GA13DS		**40B19L**		**46B19L**	
AD Van 1.5									
MVFY10	07.93 - 06.99	4	1.5	GA15DS		**40B19L**		**46B19L**	
AD Van 1.5i									
VFY11	06.99 - 12.06	4	1.5	QG15DE		**55D23L**	**80D23L**	**90D23L**	
AD Van 1.7 Diesel									
VSY10	10.90 - 05.97	4	1.7	CD17				**125D31L**	
AD Van 1.7 Diesel 4WD									
VSNY10	10.90 - 05.97	4	1.7	CD17				**125D31L**	
AD Van 2.0 Diesel									
VEY10	05.97 - 06.99	4	2.0	CD20				**125D31L**	
AD Van 2.2 Diesel									
VEY11	06.99 - 08.03	4	2.2	YD22DD				**110D26L**	
AD Van 2.2 Diesel 4WD									
VENY11	06.99 - 08.03	4	2.2	YD22DD				**110D26L**	
AD Wagon									
WSY10	10.90 - 08.93	4	1.7	CD17				**125D31L**	
AD 1.2i									
VAY12	01.07→	4	1.2	CR12DE				**46B19L**	
AD 1.5i									
VY12	01.07→	4	1.5	HR15DE				**46B19L**	
Almera									
N16E	08.02 - 11.06	4	1.5	QG15DE		**54316**			
Atlas									
SK2F23/SK4F23	01.92 - 06.99	4	2.0	NA20S		**55D23R**	**80D23R**	**90D23R**	
SP2F23/SP4F23	01.92 - 12.04	4	2.7	TD27			**90D26R**	**110D26R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
SP6F23/SP8F23	01.92 - 12.04	4	2.7	TD27			**90D26R**	**110D26R**	
SN6F23	06.95 - 06.99	4	2.5	TD25		**75D31R**	**105D31R**	**125D31R**	
SR2F23/SR4F23	08.97→	4	3.2	QD32		**75D31R**	**105D31R**	**125D31R**	
SR8F23	08.97→	4	3.2	QD32		**75D31R**	**105D31R**	**125D31R**	
Atlas 2.3 Diesel									
SM2F23/ SM4F23	01.92 - 06.95	4	2.3	TD23		**75D31R**	**105D31R**	**125D31R**	
Atlas 2.3 Diesel 4WD									
SM6F23	10.92 - 06.95	4	2.3	TD23		**75D31R**	**105D31R**	**125D31R**	
Atlas 2.5 Diesel									
SN2F23/SN4F23	06.95 - 06.99	4	2.5	TD25		**75D31R**	**105D31R**	**125D31R**	
Atlas 3.0 Diesel									
SW2H41/ DW2H41	10.91 - 05.95	4	3.0	BD30		**75D31R**	**105D31R**	**125D31R**	
Atlas 4.2 Diesel									
SG2H41/ DG2H41	10.91 - 05.95	4	4.2	FD42			**90D26R**	**110D26R**	
Avenir									
VSW10	05.90 - 06.99	4	2.0	CD20				**125D31L**	
SW10	01.93 - 08.98	4	2.0	CD20T		**75D31L**	**105D31L**	**125D31L**	
SW11	08.98 - 05.00	4	2.0	CD20ET		**75D31L**	**105D31L**	**125D31L**	
W11	08.98 - 09.05	4	1.8	QG18DE		**55D23L**	**80D23L**	**90D23L**	
Avenir Van									
VEW10	05.90 - 06.99	4	1.6	GA16DS				**90D23L**	
VENW10	10.90 - 06.99	4	1.6	GA16DS				**90D23L**	
Bassara									
JVNU30	11.99 - 08.01	4	2.5	YD25DDTi				**125D31L**	
JVU30	11.99 - 08.01	4	2.5	YD25DDTi				**125D31L**	
Bluebird									
ENU12	10.89 - 08.91	4	1.8	SR18DI		**40B19L**		**46B19L**	
EU12	10.89 - 08.91	4	1.8	SR18DI		**40B19L**		**46B19L**	
HNU12	10.89 - 08.91	4	2.0	SR20DE		**40B19L**		**46B19L**	
HU12	10.89 - 08.91	4	2.0	SR20DE		**40B19L**		**46B19L**	
	09.91 - 11.95	4	2.0	SR20DET		**22FR-530**	**22FR-610**	**22FR-680**	
SNU13	09.91 - 11.95	4	2.0	CD20				**125D31L**	
SU13/TSU13	09.91 - 11.95	4	2.0	CD20				**125D31L**	
U13	07.93 - 09.97	4	2.4	KA24DE		**22FR-530**	**22FR-610**	**22FR-680**	
SU14	01.96 - 09.98	4	2.0	CD20		**75D31L**	**105D31L**	**125D31L**	
	09.98 - 08.01	4	2.0	CD20E		**75D31L**	**105D31L**	**125D31L**	
Caravan									
CRGE24/VRE24/ VRGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
CRMGE24/ VRMGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
DRGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
KRME24/ KRMGE24	10.87 - 06.99	4	2.7	TD27				**125D31L**	
CTGE24/VTE24/ VTGE24	08.90 - 06.99	4	2.0	NA20S		**40B19L**		**46B19L**	
ARE24	10.90 - 08.95	4	2.7	TD27Ti				**125D31L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
ARME24/ ARMGE24	10.90 - 08.95	4	2.7	TD27Ti				**125D31L**	
KRE24/KRGE24	10.90 - 06.99	4	2.7	TD27		**75D31L**	**105D31L**	**125D31L**	
ARE24	08.95 - 05.97	4	2.7	TD27ETi				**125D31L**	
ARME24/ ARMGE24	08.95 - 06.99	4	2.7	TD27ETi				**125D31L**	
CWGE24/ VWE24/ VWGE24	08.96 - 04.01	4	3.2	QD32				**125D31L**	
CWMGE24/ VWME24/ VWMGE24	08.96 - 04.01	4	3.2	QD32				**125D31L**	
DWGE24	05.97 - 04.01	4	3.2	QD32				**125D31L**	
CPGE24/VPE24/ VPE25/VPGE24	06.99 - 08.07	4	2.0	KA20DE				**90D23L**	
CWGE25/VWE25	04.01 - 08.04	4	3.0	ZD30DD				**110D26L**	
CWMGE25/ VWME25	04.01 - 08.04	4	3.0	ZD30DD				**110D26L**	
CWGE25/VWE25	09.02 - 08.04	4	3.0	ZD30DDTi				**110D26L**	
CWGE25	08.04 - 06.12	4	3.0	ZD30DDTi				**110D26L**	
VWE25	08.04 - 06.12	4	3.0	ZD30DDTi				**110D26L**	
VWME25	08.04 - 06.12	4	3.0	ZD30DDTi				**110D26L**	
VRE25	08.07 - 06.12	4	2.0	QR20DE		**55B24R**			
Caravan Bus 2.5i									
DSGE25	08.07 - 06.12	4	2.5	QR25DE				**90D23R**	
Caravan Coach									
QE25/QGE25	11.01 - 08.07	4	2.4	KA24DE		**55D23R**	**80D23R**	**90D23R**	
Caravan Coach 2.5									
SE25/SGE25	08.07 - 06.12	4	2.5	QR25DE				**90D23R**	
Cedric									
WY30	06.83 - 06.99	6	2.0	VG20E		**40B19R**		**46B19R**	
VUY30	06.85 - 08.93	6	2.8	RD28				**125D31R**	
WUY30	06.85 - 08.93	6	2.8	RD28				**125D31R**	
CUY31/TUJY31/ UJY31/UY31	06.87 - 08.99	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
PY32	06.91 - 06.95	6	3.0	VG30DE; VG30E			**90D26R**	**110D26R**	
UY32	06.91 - 06.95	6	2.8	RD28				**125D31R**	
Y32	06.91 - 06.95	6	2.0	VG20E			**90D26R**	**110D26R**	
HBY33/HY33	06.95 - 06.99	6	3.0	VQ30DET			**90D26R**	**110D26R**	
HY33	06.95 - 06.99	6	3.0	VQ30DE			**90D26R**	**110D26R**	
PY33	06.95 - 06.99	6	3.0	VG30E			**90D26R**	**110D26R**	
UY33	06.95 - 06.99	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
Y33	01.96 - 06.99	6	2.0	VG20E			**90D26R**	**110D26R**	
ENY33	06.97 - 06.99	6	2.5	RB25DET			**90D26R**	**110D26R**	
MY33	06.97 - 06.99	6	2.5	VQ25DE			**90D26R**	**110D26R**	
HY34	06.99 - 12.04	6	3.0	VQ30DD		**55D23R**	**80D23R**	**90D23R**	
				VQ30DET			**90D26R**	**110D26R**	
MY34	06.99 - 12.04	6	2.5	VQ25DD		**55D23R**	**80D23R**	**90D23R**	
UJY31/UY31	08.99 - 08.02	6	2.8	RD28E		**75D31R**	**105D31R**	**125D31R**	
BJY31/CBJY31	01.04 - 07.07	6	2.0	VG20P			**90D26R**	**110D26R**	
Cedric Van									
VY30	12.87 - 06.99	6	2.0	VG20E		**40B19R**		**46B19R**	
Cedric 3.0i Turbo									
PAY32/PBY32/ PY32	06.91 - 06.95	6	3.0	VG30DET			**90D26R**	**110D26R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Cefiro									
	09.88 - 08.94	6	2.0	RB20DE; RB20DET; RB20E		**55D23L**	**80D23L**	**90D23L**	
	08.90 - 08.94	6	2.0	RB20DET		**55D23L**	**80D23L**	**90D23L**	
	06.92 - 08.94	6	2.5	RB25DE		**55D23L**	**80D23L**	**90D23L**	
	08.94 - 12.98	6	2.0	VQ20DE		**55D23L**	**80D23L**	**90D23L**	
			2.5	VQ25DE		**55D23L**	**80D23L**	**90D23L**	
			3.0	VQ30DE		**55D23L**	**80D23L**	**90D23L**	
A32	01.98 - 06.01	6	3.0	VQ30DE		**55D23L**	**80D23L**	**90D23L**	
	12.98 - 08.02	6	2.0	VQ20DE		**55D23L**	**80D23L**	**90D23L**	
			2.5	VQ25DD		**55D23L**	**80D23L**	**90D23L**	
A33	08.02 - 03.03	6	2.0	VQ20DE		**55D23L**	**80D23L**	**90D23L**	
Cima									
FPAY31/FPY31	01.88 - 08.91	6	3.0	VG30DE; VG30DT			**90D26R**	**110D26R**	
FGDY32/FGY32	08.91 - 06.96	8	4.1	VH41DE			**90D26R**	**110D26R**	
FGNY32	09.92 - 06.96	8	4.1	VH41DE			**90D26R**	**110D26R**	
FPY32	09.93 - 06.96	6	3.0	VG30DET			**90D26R**	**110D26R**	
FGDY33/FGY33	06.96 - 01.01	8	4.1	VH41DE			**90D26R**	**110D26R**	
FHY33	06.96 - 01.01	6	3.0	VQ30DET			**90D26R**	**110D26R**	
FGNY33	09.97 - 01.01	8	4.1	VH41DE			**90D26R**	**110D26R**	
HF50	01.01 - 10.07	6	3.0	VQ30DET		**55D23L**	**80D23L**	**90D23L**	
Civilian									
	05.88 - 01.99	6	4.2	TD42				**125D31R**	
	02.99 - 12.04	6	4.2	TD42				**125D31L**	
Civilian 4.2 Diesel Turbo									
RGW40/RYW40	08.95 - 02.99	6	4.2	TD42T				**125D31R**	
BHW41/BJW41	02.99 - 12.04	6	4.2	TD42T				**125D31L**	
Civilian 4.5									
DCW41/DVW41/ DJW41/DHW41	08.07→	6	4.5	TB45E				**110D26L**	
Clipper Rio 0.7i									
U71W	06.07→	3	0.7	3G83				**46B19L**	
Clipper Rio 0.7i Turbo									
U71W	06.07→	3	0.7	3G83				**46B19L**	
Clipper Rio 0.7i Turbo 4WD									
U72W	06.07→	3	0.7	3G83				**46B19L**	
Clipper Rio 0.7i 4WD									
U72W	06.07→	3	0.7	3G83				**46B19L**	
Clipper Truck 0.7i									
U71T	10.03→	3	0.7	3G83		**40B19L**		**46B19L**	
Clipper Truck 0.7i 4WD									
U72T	10.03→	3	0.7	3G83		**40B19L**		**46B19L**	
Clipper Van 0.7i									
U71V	10.03→	3	0.7	3G83		**40B19L**		**46B19L**	
Clipper Van 0.7i 4WD									
U72V	10.03→	3	0.7	3G83		**40B19L**		**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Crew									
SK30/TSK30	07.93 - 08.99	6	2.8	RD28			**90D26R**	**110D26R**	
QK30	07.93 - 06.02	4	2.0	NA20P			**90D26R**	**110D26R**	
HK30/THK30	01.94 - 08.02	6	2.0	RB20E		**55D23R**	**80D23R**	**90D23R**	
SK30/TSK30	08.99 - 08.02	6	2.8	RD28E		**75D31R**	**105D31R**	**125D31R**	
Datsun Truck 2.0									
QD21/QGD21	09.89 - 01.97	4	2.0	NA20S		**40B19R**		**46B19R**	
Datsun Truck 2.0 4WD									
QMD21/QYD21	09.89 - 01.97	4	2.0	NA20S		**40B19R**		**46B19R**	
Dualis									
	05.07→	4	2.0	MR20DE		**56219**			
Dualis 2.0i									
J10	05.07→	4	2.0	MR20DE		**55B24L**			
Elgrand									
AVE50	05.97 - 08.99	4	3.2	QD32ETi			**90D26L**	**110D26L**	
AVWE50	05.97 - 08.99	4	3.2	QD32ETi			**90D26L**	**110D26L**	
ATE50	08.99 - 05.02	4	3.0	ZD30DDTi				**110D26L**	
ATWE50	08.99 - 05.02	4	3.0	ZD30DDTi				**110D26L**	
NE51	05.02 - 08.10	6	3.5	VQ35DE		**55D23R**	**80D23R**	**90D23R**	
ME51	12.04 - 08.10	6	2.5	VQ25DE		**55D23R**	**80D23R**	**90D23R**	
MNE51	12.04 - 08.10	6	2.5	VQ25DE		**55D23R**	**80D23R**	**90D23R**	
Elgrand 3.5i									
E51	05.02 - 08.10	6	3.5	VQ35DE		**55D23R**	**80D23R**	**90D23R**	
Exa									
N13	10.87 - 10.90	4	1.8	CA18DE		**40B19LS**			
Expert 2.2 Diesel									
VEW11	06.99 - 12.05	4	2.2	YD22DD				**110D26L**	
Expert 2.2 Diesel 4WD									
VENW11	06.99 - 12.05	4	2.2	YD22DD				**110D26L**	
Fairlady									
	07.89 - 08.00	6	3.0	VG30DE; VG30DETT				**90D23L**	
	08.92 - 10.98	6	3.0	VG30DE				**90D23L**	
Gloria									
WY30	06.83 - 06.99	6	2.0	VG20E		**40B19R**		**46B19R**	
WUY30	06.85 - 08.93	6	2.8	RD28				**125D31R**	
CUY31/UJY31/ UY31	06.87 - 08.99	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
VUY30	12.87 - 08.93	6	2.8	RD28				**125D31R**	
PY32	06.91 - 06.95	6	3.0	VG30DE; VG30E			**90D26R**	**110D26R**	
UY32	06.91 - 06.95	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
Y32	06.91 - 06.95	6	2.0	VG20E			**90D26R**	**110D26R**	
HBY33/HY33	06.95 - 06.99	6	3.0	VQ30DET			**90D26R**	**110D26R**	
HY33	06.95 - 06.99	6	3.0	VQ30DE			**90D26R**	**110D26R**	
PY33	06.95 - 06.99	6	3.0	VG30E			**90D26R**	**110D26R**	
UY33	06.95 - 06.99	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
Y33	01.96 - 06.99	6	2.0	VG20E			**90D26R**	**110D26R**	
ENY33	06.97 - 06.99	6	2.5	RB25DET			**90D26R**	**110D26R**	
MY33	06.97 - 06.99	6	2.5	VQ25DE			**90D26R**	**110D26R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
HY34	06.99 - 12.04	6	3.0	VQ30DD		**55D23R**	**80D23R**	**90D23R**	
				VQ30DET			**90D26R**	**110D26R**	
MY34	06.99 - 12.04	6	2.5	VQ25DD		**55D23R**	**80D23R**	**90D23R**	
Gloria Van 2.0i									
VY30	12.87 - 06.99	6	2.0	VG20E		**40B19R**		**46B19R**	
Gloria 3.0i Turbo									
PAY32/PBY32/ PY32	06.91 - 06.95	6	3.0	VG30DET			**90D26R**	**110D26R**	
Homy									
CRGE24/VRE24/ VRGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
CRMGE24/ VRMGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
DRGE24	10.87 - 05.97	4	2.7	TD27				**125D31L**	
KRME24/ KRMGE24	10.87 - 06.99	4	2.7	TD27		**75D31L**	**105D31L**	**125D31L**	
CTGE24/VTE24/ VTGE24	08.90 - 06.99	4	2.0	NA20S		**40B19L**		**46B19L**	
ARE24	10.90 - 08.95	4	2.7	TD27Ti				**125D31L**	
ARME24/ ARMGE24	10.90 - 08.95	4	2.7	TD27Ti				**125D31L**	
KRE24/KRGE24	10.90 - 06.99	4	2.7	TD27				**125D31L**	
ARE24	08.95 - 05.97	4	2.7	TD27ETi		**75D31L**	**105D31L**	**125D31L**	
ARME24/ ARMGE24	08.95 - 06.99	4	2.7	TD27ETi		**75D31L**	**105D31L**	**125D31L**	
CWGE24/ VWE24/ VWGE24	08.96 - 06.99	4	3.2	QD32				**125D31L**	
CWMGE24/ VWMGE24	08.96 - 06.99	4	3.2	QD32				**125D31L**	
DWGE24	05.97 - 06.99	4	3.2	QD32				**125D31L**	
Infinity									
G50/HG50	10.89 - 03.98	8	4.5	VH45DE		**75D31R**	**105D31R**	**125D31R**	
Largo									
	05.93 - 08.95	4	2.0	CD20TI				**125D31L**	
VW30	05.93 - 08.95	4	2.0	CD20TI				**125D31L**	
VNW30	08.95 - 06.99	4	2.0	CD20ETI		**75D31L**	**105D31L**	**125D31L**	
VW30	08.95 - 06.99	4	2.0	CD20ETI		**75D31L**	**105D31L**	**125D31L**	
Laurel									
	12.88 - 01.93	4	1.8	CA18I		**40B19R**		**46B19R**	
SC33	12.88 - 01.93	6	2.8	RD28				**125D31R**	
SC34	01.93 - 06.97	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
SC35	06.97 - 08.99	6	2.8	RD28		**75D31R**	**105D31R**	**125D31R**	
	08.99 - 08.02	6	2.8	RD28E		**75D31R**	**105D31R**	**125D31R**	
Leaf									
ZE0	12.10→	0	0.0	EM61		**55B24L**			
Leopard									
JGBY32	06.92 - 12.95	8	4.1	VH41DE			**90D26R**	**110D26R**	
JHY33	03.96 - 10.97	6	3.0	VQ30DE			**90D26R**	**110D26R**	
JPY33	03.96 - 10.97	6	3.0	VG30E			**90D26R**	**110D26R**	
JHBY33/JHY33	03.96 - 06.99	6	3.0	VQ30DET			**90D26R**	**110D26R**	
JY33	01.97 - 06.99	6	2.0	VG20E			**90D26R**	**110D26R**	
JENY33	10.97 - 06.99	6	2.5	RB25DET			**90D26R**	**110D26R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
JHY33	10.97 - 06.99	6	3.0	VQ30DD			**90D26R**	**110D26R**	
JMY33	10.97 - 06.99	6	2.5	VQ25DE			**90D26R**	**110D26R**	
Lucino									
HB14	05.94 - 08.97	4	1.8	SR18DE		**40B19L**		**46B19L**	
FB14	05.94 - 04.99	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	
FNN15	01.95 - 04.99	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	
FN15	01.95 - 04.99	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	
EN15	01.95 - 12.00	4	1.6	GA16DE				**90D23L**	
HNN15	05.96 - 04.99	4	1.8	SR18DE			**90D26L**	**110D26L**	
March									
HK11	01.92 - 11.99	4	1.3	CG13DE		**55B24L**			
March 1.5i 4WD									
YK12	08.05 - 07.10	4	1.5	HR15DE		**55B24L**			
Maxima									
J30	02.90 - 06.94	6	3.0	VG30E		**55D23L**	**80D23L**	**90D23L**	
A32	10.94 - 12.01	6	3.0	VQ30DE		**55D23L**	**80D23L**	**90D23L**	
CA33	01.00 - 01.06	6	3.0	VQ30DE				**574.035**	
A34	02.03 - 05.08	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
J32	06.08→	6	3.5	VQ35DE				**90D23L**	
Micra									
K11E	05.95 - 12.97	4	1.3	CG13DE		**55B24LS**			
K12E	11.02 - 05.05	4	1.0	CG10DE		**54316**			
	06.05 - 10.10	4	1.4	CR14DE		**54316**			
Micra CC 1.6i									
FHZK12	05.07 - 08.10	4	1.6	HR16DE				**560.035**	
Micra 1.2i									
K12E	06.05 - 10.10	4	1.2	CR12DE		**54316**			
K13K	07.10→	3	1.2	HR12DE		**55066**			
Mistral									
KR20/R20	02.94 - 10.96	4	2.7	TD27T			**90D26L**	**110D26L**	
	10.96 - 07.98	4	2.7	TD27BETI			**90D26R**	**110D26R**	
Moco 0.7i									
MG21S	04.02 - 02.06	3	0.7	K6A		**40B19L**		**46B19L**	
MG22S	02.06 - 02.11	3	0.7	K6A		**40B19L**		**46B19L**	
Moco 0.7i Turbo									
MG21S	04.02 - 02.06	3	0.7	K6A		**40B19L**		**46B19L**	
MG22S	02.06 - 02.11	3	0.7	K6A		**40B19L**		**46B19L**	
Moco 0.7i Turbo 4WD									
MG21S	04.02 - 02.06	3	0.7	K6A		**40B19L**		**46B19L**	
MG22S	02.06 - 02.11	3	0.7	K6A		**40B19L**		**46B19L**	
Moco 0.7i 4WD									
MG21S	04.02 - 02.06	3	0.7	K6A		**40B19L**		**46B19L**	
MG22S	02.06 - 02.11	3	0.7	K6A		**40B19L**		**46B19L**	
Murano									
PNZ50	09.04 - 09.08	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
PZ50	09.04 - 09.08	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
TZ50	09.04 - 09.08	4	2.5	QR25DE		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Z50	11.04 - 12.08	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
Z51	01.09→	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
Navara									
D21	09.85 - 02.92	4	2.4	Z24		**55D23R**	**80D23R**	**90D23R**	
	09.85 - 09.95	4	2.0	Z20		**95D31R**	**105D31R**	**125D31R**	
	08.87 - 02.92	4	2.5	TD25		**95D31R**	**105D31R**	**125D31R**	
	08.87 - 03.97	4	2.7	TD27		**95D31R**	**105D31R**	**125D31R**	
	03.92 - 01.97	4	2.4	KA24E		**55D23R**	**80D23R**	**90D23R**	
	06.92 - 03.97	6	3.0	VG30E		**55D23L**	**80D23L**	**90D23L**	
D22	02.97 - 12.05	4	2.4	KA24E		**55D23R**	**80D23R**	**90D23R**	
	02.97→	4	2.7	TD27		**95D31R**	**105D31R**	**125D31R**	
	06.00 - 11.01	4	3.2	QD32		**75D31R**	**105D31R**	**125D31R**	
	06.00 - 11.05	6	3.0	VG30E		**55D23L**	**80D23L**	**90D23L**	
	11.01→	4	3.0	ZD30		**75D31R**	**105D31R**	**125D31R**	
D40	01.05 - 08.13	6	4.0	VQ40DE		**56219**			
	05.05→	4	2.5	YD25DDTI				**574.035**	
	06.06→	6	4.0	VQ40DE		**55D23R**	**80D23R**	**90D23R**	
Nomad									
	12.86 - 12.92	4	2.4	Z24		**40B19LS**			
NX									
B13	08.90 - 09.93	4	2.0	SR20DE		**40B19LS**			
Otti 0.7i									
H91W	06.05 - 10.06	3	0.7	3G83				**46B19L**	
H92W	10.06→	3	0.7	3G83		**40B19L**		**46B19L**	
Otti 0.7i Turbo									
H91W	06.05 - 10.06	3	0.7	3G83				**46B19L**	
H92W	10.06→	3	0.7	3G83		**40B19L**		**46B19L**	
Otti 0.7i Turbo 4WD									
H91W	06.05 - 10.06	3	0.7	3G83				**46B19L**	
H92W	10.06→	3	0.7	3G83		**40B19L**		**46B19L**	
Otti 0.7i 4WD									
H91W	06.05 - 10.06	3	0.7	3G83				**46B19L**	
H92W	10.06→	3	0.7	3G83		**40B19L**		**46B19L**	
Pathfinder									
D21	08.86 - 07.92	4	2.4	Z24S		**55D26R**	**90D26R**	**110D26R**	
	09.90 - 12.92	4	2.4	Z24		**55D23R**	**80D23R**	**90D23R**	
D21	07.92 - 07.95	6	3.0	VG30E		**22FR-530**	**22FR-610**	**22FR-680**	
R50	09.95 - 06.05	6	3.3	VG33E		**22FR-530**	**22FR-610**	**22FR-680**	
R51	01.05 - 12.09	4	2.5	YD25DDTI				**574.035**	
	06.05 - 08.12	6	4.0	VQ40DE		**56219**			
	01.10→	4	2.5	YD25DDTI				**574.035**	
Patrol									
Y60	08.87 - 09.97	6	4.2	TD42		**95D31L**	**105D31L**	**125D31L**	
	02.88 - 12.95	6	4.2	TB42S		**55D26R**	**90D26R**	**110D26R**	
	04.90 - 11.97	6	3.0	RB30S		**95D31L**	**105D31L**	**125D31L**	
Y60	04.90 - 11.97	6	3.0	RB30S		**55D26L**	**90D26L**	**110D26L**	
	01.92 - 12.95	6	4.2	TB42E		**55D26L**	**90D26L**	**110D26L**	
Y60	02.92 - 11.97	6	4.2	TB42E		**95D31L**	**105D31L**	**125D31L**	
	09.93 - 06.00	4	4.2	TD42T		**95D31L**	**105D31L**	**125D31L**	
Y60	10.94 - 09.97	6	2.8	RD28T		**55D26L**	**90D26L**	**110D26L**	
Y61	08.97 - 10.01	6	4.5	TB45E		**75D31L**	**105D31L**	**125D31L**	

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
◀ NISSAN									
Y61	10.97 - 02.00	6	2.8	RD28TI		**75D31L**	**105D31L**	**125D31L**	
						95D31L	**105D31L**	**125D31L**	
	10.97→	6	4.2	TD42		**95D31L**	**105D31L**	**125D31L**	
	02.00 - 03.10	4	3.0	ZD30DDTI				**125D31L**	
	03.00→	4	3.0	ZD30DDTI		**75D31L**	**105D31L**	**125D31L**	
Y61	08.04→	6	4.8	TB48DE		**55D26L**	**90D26L**	**110D26L**	
	01.07 - 03.10	4	3.0	ZD30DDTI		**95D31L**	**105D31L**	**125D31L**	
Pino 0.7i									
HC24S	01.07 - 01.10	3	0.7	K6A		**40B19L**		**46B19L**	
Pino 0.7i 4WD									
HC24S	01.07 - 01.10	3	0.7	K6A		**40B19L**		**46B19L**	
Pintara									
R31	06.86 - 12.90	4	2.0	CA20E		**22FR-530**	**22FR-610**	**22FR-680**	
U12	08.89 - 10.92	4	2.0	CA20E		**22F-520**	**22F-610**	**22F-680**	
						22F-530DF	**22F-610FD**		
			2.4	KA24E		**22F-530DF**	**22F-610FD**		
Prairie									
M11	09.88 - 08.95	4	2.0	CA20S		**40B19R**		**46B19R**	
NM11	09.88 - 08.95	4	2.0	CA20S		**40B19R**		**46B19R**	
HM11	09.90 - 08.95	4	2.4	KA24E		**40B19R**		**46B19R**	
HNM11	09.90 - 08.95	4	2.4	KA24E		**40B19R**		**46B19R**	
Presage									
VNU30	06.98 - 08.01	4	2.5	YD25DDTi				**125D31L**	
VU30	06.98 - 08.01	4	2.5	YD25DDTi				**125D31L**	
PNU31	06.03 - 05.06	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
PU31	06.03 - 07.09	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
TNU31	06.03 - 07.09	4	2.5	QR25DE		**55D23L**	**80D23L**	**90D23L**	
Presea									
R10	06.90 - 01.95	4	1.5	GA15DS				**90D23L**	
HR11	01.95 - 08.00	4	2.0	SR20DE				**90D23L**	
PR11	01.95 - 08.00	4	1.8	SR18DE				**90D23L**	
R11	01.95 - 08.00	4	1.5	GA15DE				**90D23L**	
President									
JG50/JHG50	10.90 - 08.02	8	4.5	VH45DE		**75D31R**	**105D31R**	**125D31R**	
PG50/PHG50	02.92 - 08.02	8	4.5	VH45DE		**75D31R**	**105D31R**	**125D31R**	
Primera									
HP10	02.90 - 09.95	4	2.0	SR20DE		**55D23L**	**80D23L**	**90D23L**	
HP12	08.01 - 07.03	4	2.0	SR20VE		**55D23L**	**80D23L**	**90D23L**	
WHP12	08.01 - 07.03	4	2.0	SR20VE		**55D23L**	**80D23L**	**90D23L**	
Pulsar									
N13	08.87 - 10.91	4	1.6	16LF		**40B19LS**			
			1.8	18LE		**40B19LS**			
	08.90 - 12.94	4	2.0	SR20DET		**40B19LS**			
EN14	08.90 - 12.94	4	1.6	GA16DE				**90D23L**	
FNN14	08.90 - 12.94	4	1.5	GA15DS				**90D23L**	
FN14	08.90 - 12.94	4	1.5	GA15DS				**90D23L**	
N14	08.90 - 12.94	4	1.3	GA13DS				**90D23L**	
	08.91 - 05.95	4	1.6	GA16DE		**40B19LS**			
			2.0	SR20DE		**40B19LS**			
EN15	01.95 - 08.00	4	1.6	GA16DE				**90D23L**	
FNN15	01.95 - 08.00	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	
FN15	01.95 - 08.00	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
SNN15	01.95 - 08.00	4	2.0	CD20		**75D31L**	**105D31L**	**125D31L**	
SN15	01.95 - 08.00	4	2.0	CD20		**75D31L**	**105D31L**	**125D31L**	
N15	08.95 - 06.00	4	1.6	GA16DE	SCR	**40B19RS**			
					SED	**40B19LS**			
			2.0	SR20DE		**40B19RS**			
	10.95 - 10.99	4	1.6	GA16DE	SCR	**40B19RS**			
HNN15	05.96 - 08.00	4	1.8	SR18DE		**55B24L**			
N16	07.00 - 02.03	4	1.6	QG16DE <DOHC-16V-EFI>	SED	**40B19L**		**46B19L**	
	07.00→	4	1.8	QG18DE <DOHC-16V-EFI>	SED	**40B19L**		**46B19L**	
Rasheen									
RFNB14	12.94 - 08.00	4	1.5	GA15DE		**40B19L**		**46B19L**	
RHNB14	01.97 - 08.00	4	1.8	SR18DE			**90D26L**	**110D26L**	
RKNB14	04.98 - 08.00	4	2.0	SR20DE			**90D26L**	**110D26L**	
Safari									
VRGY60/VRY60	10.87 - 10.97	6	4.2	TD42				**125D31L**	
WRGY60/WRY60	02.91 - 08.93	6	4.2	TD42			**90D26L**	**110D26L**	
WGY60	10.91 - 10.97	6	4.2	TB42E			**90D26L**	**110D26L**	
WRGY60/WRY60	08.93 - 10.97	6	4.2	TD42T		**75D31L**	**105D31L**	**125D31L**	
WYY60	10.94 - 10.97	6	2.8	RD28T		**75D31L**	**105D31L**	**125D31L**	
WRGY61	10.97 - 09.99	6	4.2	TD42T			**90D26L**	**110D26L**	
WYY61	10.97 - 09.99	6	2.8	RD28ETi			**90D26L**	**110D26L**	
WGY61	10.97 - 11.02	6	4.5	TB45E			**90D26L**	**110D26L**	
VRGY61	09.99 - 11.02	6	4.2	TD42T			**90D26L**	**110D26L**	
WTY61	09.99 - 11.02	4	3.0	ZD30DDTi				**125D31L**	
	11.02 - 06.07	6	4.8	TB48DE		**95D31L**	**105D31L**	**125D31L**	
Sentra									
N14	05.92 - 06.97	4	1.6	GA16DE		**55B24L**			
Serena									
KVJC23	06.91 - 08.93	4	2.0	CD20				**125D31R**	
KVC23	06.91 - 01.97	4	2.0	CD20T			**90D26R**	**110D26R**	
KVNC23	06.91 - 01.97	4	2.0	CD20T			**90D26R**	**110D26R**	
VVJC23	06.91 - 06.99	4	2.0	CD20				**125D31R**	
	07.92 - 12.95	4	2.0	SR20DE		**55D26R**	**90D26R**	**110D26R**	
KVC23	01.97 - 06.99	4	2.0	CD20ET		**75D31R**	**105D31R**	**125D31R**	
KVNC23	01.97 - 06.99	4	2.0	CD20ET		**75D31R**	**105D31R**	**125D31R**	
VC24	06.99 - 12.01	4	2.5	YD25DDTi				**125D31L**	
Serena 2.0i									
C25/CC25	05.05 - 11.10	4	2.0	MR20DE		**55D23L**	**80D23L**	**90D23L**	
Serena 2.0i 4WD									
NC25/CNC25	05.05 - 11.10	4	2.0	MR20DE		**55D23L**	**80D23L**	**90D23L**	
Serena 2.5 Diesel Turbo 4WD									
VNC24	06.99 - 12.01	4	2.5	YD25DDTi				**125D31L**	
Silvia									
	05.88 - 01.91	4	1.8	CA18DE; CA18DET		**40B19LS**			
	01.91 - 10.93	4	2.0	SR20DE; SR20DET		**40B19LS**			
	10.93 - 01.99	4	2.0	SR20DE; SR20DET		**40B19LS**			
	01.99 - 08.02	4	2.0	SR20DE; SR20DET		**40B19LS**			
S15	11.01 - 08.03	4	2.0	SR20DE		**40B19LS**			
Skyline									
R31	07.86 - 12.90	6	3.0	RB30E		**22FR-530**	**22FR-610**	**22FR-680**	
ECR32/ER32	08.91 - 08.93	6	2.5	RB25DE		**40B19R**		**46B19R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
	08.93 - 05.98	6	2.5	RB25DE; RB25DET		**40B19L**		**46B19L**	
	11.93 - 05.98	6	2.5	RB25DE		**40B19R**		**46B19R**	
HR33	01.94 - 05.98	6	2.0	RB20E		**40B19R**		**46B19R**	
	06.01 - 10.06	6	2.5	VQ25DD		**55D23L**	**80D23L**	**90D23L**	
	01.02 - 09.07	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
Sunny									
B13	01.90 - 12.93	4	1.3	GA13DS		**55D23L**	**80D23L**	**90D23L**	
EB13	01.90 - 12.93	4	1.6	GA16DE		**40B19L**		**46B19L**	
FB13	01.90 - 12.93	4	1.5	GA15DS				**90D23L**	
HB14	01.94 - 05.97	4	1.8	SR18DE		**40B19L**		**46B19L**	
B14	01.94 - 10.98	4	1.3	GA13DE				**90D23L**	
EB14	01.94 - 10.98	4	1.6	GA16DE				**90D23L**	
FB14	01.94 - 10.98	4	1.5	GA15DE		**55D23L**	**80D23L**	**90D23L**	
FNB14	01.94 - 10.98	4	1.5	GA15DE				**90D23L**	
SNB14	01.94 - 09.99	4	2.0	CD20		**75D31L**	**105D31L**	**125D31L**	
JB15	10.98 - 09.00	4	1.6	SR16VE		**40B19L**		**46B19L**	
SB15	09.99 - 05.02	4	2.2	YD22DD				**110D26L**	
Sunny California									
WFNY10	10.90 - 06.95	4	1.5	GA15DS				**90D23L**	
WFY10	10.90 - 06.95	4	1.5	GA15DS				**90D23L**	
WFNY10	06.95 - 05.96	4	1.5	GA15DE				**90D23L**	
WFY10	06.95 - 05.96	4	1.5	GA15DE				**90D23L**	
Sunny NX Coupe									
EB13	01.90 - 12.93	4	1.6	GA16DE				**90D23L**	
FB13	01.90 - 12.93	4	1.5	GA15DS				**90D23L**	
Teana									
J31	02.03 - 06.08	6	2.3	VQ23DE		**55D23L**	**80D23L**	**90D23L**	
PJ31	02.03 - 06.08	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
TNJ31	02.03 - 06.08	4	2.5	QR25DE		**55D23L**	**80D23L**	**90D23L**	
Terrano									
	08.86 - 01.93	4	2.7	TD27		**55D26R**	**90D26R**	**110D26R**	
WD21	08.86 - 11.95	4	2.4	Z24		**55D23R**	**80D23R**	**90D23R**	
	08.87 - 11.95	4	2.7	TD27			**105D31R**	**125D31R**	
	11.88 - 08.95	4	2.7	TD27T		**55D26R**	**90D26R**	**110D26R**	
	10.89 - 08.95	6	3.0	VG30E		**55D23R**	**80D23R**	**90D23R**	
	09.95 - 02.99	4	2.7	TD27TI		**55D26R**	**90D26R**	**110D26R**	
	09.95 - 08.02	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
WD21	09.95 - 12.05	4	2.7	TD27ETi			**105D31R**	**125D31R**	
		6	3.3	VG33E		**95D31R**	**105D31R**	**125D31R**	
	08.96 - 02.99	4	3.2	QD32ETI		**55D26R**	**90D26R**	**110D26R**	
JRR50	08.96 - 02.99	4	3.2	QD32ETI			**90D26L**	**110D26L**	
R20	11.96 - 12.99	4	2.4	KA24E		**55D23R**	**80D23R**	**90D23R**	
	11.96→	4	2.7	TD27TI		**55D26R**	**90D26R**	**110D26R**	
JLUR50	02.99 - 10.01	6	3.3	VG33E		**55D23R**	**80D23R**	**90D23R**	
	02.99 - 08.02	4	3.0	ZD30DDTi		**55D26R**	**90D26R**	**110D26R**	
TR50	02.99 - 08.02	4	3.0	ZD30DDTi				**110D26R**	
Tiida									
C11	09.04→	4	1.5	HR15DE		**55B24L**			
NC11	09.04→	4	1.5	HR15DE		**55B24L**			
SC11	10.04→	4	1.5	HR15DE		**55B24L**			
SNC11	10.04→	4	1.5	HR15DE		**55B24L**			
	01.05→	4	1.8	MR18DE		**55B24L**			
						55B24LS			
C11	02.07 - 03.10	4	1.8	MR18DE		**55B24L**			

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Tino									
PV10	04.00 - 10.02	4	1.8	QG18DE-EM29		**40B19L**		**46B19L**	
Truck									
BMD21	11.88 - 01.97	4	2.7	TD27			**90D26R**	**110D26R**	
D21/GD21	09.89 - 08.95	4	1.6	NA16S		**40B19R**		**46B19R**	
BD21/BGD21	08.92 - 01.97	4	2.7	TD27			**90D26R**	**110D26R**	
BMD21	08.92 - 01.97	4	2.7	TD27T			**90D26R**	**110D26R**	
BD22	01.97 - 08.02	4	2.7	TD27			**90D26R**	**110D26R**	
UD 1200									
	02.96 - 11.01	4	4.6	FD46TA				**125D31R**	
Urvan									
	11.80→	4	1.6	J16		**75D31R**	**105D31R**	**125D31R**	
E24	11.86 - 06.97	4	2.4	Z24S		**75D31R**	**105D31R**	**125D31R**	
			2.7	TD27		**75D31R**	**105D31R**	**125D31R**	
Vanette									
GC22	05.86 - 04.93	4	2.0	Z20S		**40B19RS**			
	06.86 - 10.91	4	2.4	Z24S		**40B19RS**			
	09.86 - 04.93	4	2.0	Z20		**40B19RS**			
C23	05.92 - 09.94	4	2.0	SR20DE		**55B24R**			
Vanette Truck 1.8 4WD									
SE88MN	04.94 - 07.99	4	1.8	F8		**55D23L**	**80D23L**	**90D23L**	
Vanette Truck 2.0 Diesel Turbo									
SKF2TN	12.03 - 09.10	4	2.0	RF	ZE			**90D23L**	
Vanette Truck 2.0 Diesel Turbo 4WD									
SKF2LN	12.03 - 09.10	4	2.0	RF		**55D23L**	**80D23L**	**90D23L**	
Vanette Truck 2.2 Diesel 4WD									
SE28MN	04.94 - 07.99	4	2.2	R2		**55D23L**	**80D23L**	**90D23L**	
Vanette Van 1.8 4WD									
SS88MN	04.94 - 07.99	4	1.8	F8		**55D23L**	**80D23L**	**90D23L**	
Vanette Van 2.0 Diesel Turbo									
SKF2VN	12.03 - 09.10	4	2.0	RF			**90D26L**	**110D26L**	
Vanette Van 2.0 Diesel Turbo 4WD									
SKF2MN	12.03 - 09.10	4	2.0	RF		**55D23L**	**80D23L**	**90D23L**	
Vanette Van 2.2 Diesel									
SK22VN	06.99 - 12.03	4	2.2	R2				**90D23L**	
Vanette Van 2.2 Diesel 4WD									
SS28MN	04.94 - 07.99	4	2.2	R2				**90D23L**	
SK22MN	06.99 - 12.03	4	2.2	R2				**90D23L**	
Wingroad									
WFNY10	05.96 - 06.99	4	1.5	GA15DE				**90D23L**	
WFY10	05.96 - 06.99	4	1.5	GA15DE				**90D23L**	
WHY11	05.99 - 10.01	4	1.8	QG18DE				**90D23L**	
WFY11	05.99 - 11.05	4	1.5	QG15DE		**55D23L**	**80D23L**	**90D23L**	
WHNY11	05.99 - 11.05	4	1.8	QG18DE		**55D23L**	**80D23L**	**90D23L**	
JY12	11.05→	4	1.8	MR18DE				**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ NISSAN									
Wingroad 1.5i									
Y12	11.05→	4	1.5	HR15DE				**46B19L**	
Wingroad 1.5i 4WD									
NY12	11.05→	4	1.5	HR15DE				**46B19L**	
X-Trail									
NT30	10.00 - 08.07	4	2.0	QR20DE		**55D23L**	**80D23L**	**90D23L**	
PNT30	10.00 - 08.07	4	2.0	SR20VT		**55D23L**	**80D23L**	**90D23L**	
T30	10.00 - 08.07	4	2.0	QR20DE		**55D23L**	**80D23L**	**90D23L**	
	09.02 - 03.07	4	2.5	QR25DE		**55D23L**	**80D23L**	**90D23L**	
T31	04.07→	4	2.0	M9R		**55D23L**	**80D23L**	**90D23L**	
	08.07→	4	2.5	QR25DE		**55D23L**	**80D23L**	**90D23L**	
X-Trail 2.0 dCi 4x4									
T31	04.07→	4	2.0	M9R		**55D23L**	**80D23L**	**90D23L**	
X-Trail 2.0i 4WD									
NT31	08.07→	4	2.0	MR20DE		**55B24L**			
180SX									
	03.89 - 01.91	4	1.8	CA18DET		**22FR-530**	**22FR-610**	**22FR-680**	
	01.91 - 01.99	4	2.0	SR20DET		**22FR-530**	**22FR-610**	**22FR-680**	
	08.96 - 01.99	4	2.0	SR20DE		**22FR-530**	**22FR-610**	**22FR-680**	
200SX									
S13	09.88 - 12.93	4	1.8	CA18DT <CA18ET>		**22FR-530**	**22FR-610**	**22FR-680**	
S14	04.94 - 12.99	4	2.0	SR20DET		**22FR-530**	**22FR-610**	**22FR-680**	
300ZX									
Z32	01.90 - 11.95	6	3.0	VG30DE		**55D26L**	**90D26L**	**110D26L**	
	01.90 - 03.96	6	3.0	VG30DETT		**95D31R**	**105D31R**	**125D31R**	
	01.90 - 08.96	6	3.0	VG30DE <VG30DETT>		**95D31R**	**105D31R**	**125D31R**	
350Z									
Z33	09.02 - 01.07	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	
350Z Cabriolet									
Z33	09.03 - 01.07	6	3.5	VQ35DE		**55D23L**	**80D23L**	**90D23L**	

OPEL

Astra									
J	09.12→	4	1.6	A 16 LET <Ecotec>		**54316**			
Astra Cabrio									
G	09.97 - 08.00	4	1.6	X 16 XEL <Ecotec DOHC>		**54316**			
	09.97 - 02.05	4	1.4	X 14 XE <Ecotec>		**54316**			
	09.00 - 08.05	4	1.4	Z 14 XE <Ecotec>		**54316**			
Corsa 1.6i OPC Turbo									
D	11.09→	4	1.6	A 16 LER <OPC Turbo ECOTEC>		**54316**			



PEUGEOT

205										
	10.87 - 09.98	4	1.9	D6B <XU9JA>		**54316**				
205 GTi										
	10.87 - 03.91	4	1.9	DFZ <XU9J1 Kat.>		**54316**				
	04.91 - 04.94	4	1.9	DFY,DKZ <XU9JAZ Kat.>		**54316**				
205 Si										
	04.91 - 04.94	4	1.6	BDY <XU5M Kat.>		**54316**				
206										
T1	06.98 - 08.07	4	1.6	NFZ <TU5JP>		**55066**				
	03.00 - 08.07	4	1.6	NFU <TU5JP4>		**55066**				
	03.00 - 02.09	4	1.4	KF... <TU3JP/TU3A/L4/FL5>		**55066**				
	10.00 - 11.04	4	2.0	RFN <EW10J4>		**56219**				
	06.01 - 02.07	4	1.6	N6A <TU5JP4>		**55457**		**560.035**		
T1	03.03 - 08.06	4	2.0	RFK <EW10J4S>		**56219**				
	02.04 - 12.05	4	1.4	KFW <TU3JP>		**55457**		**560.035**		
206CC										
T1	09.00 - 03.07	4	1.6	NFU <TU5JP4>		**55066**				
			2.0	RFN <EW10J4>		**56219**				
207										
A7	05.06 - 06.08	4	1.4	KFU <ET3J4>	SSJ					**DIN LN3**
					SSN	**55066**				
	05.06 - 06.09	4	1.4	KF... <TU3A>	SSJ					**DIN LN3**
					SSN	**55066**				
	05.06 - 04.10	4	1.6	9H... <DV6TED4>	SSJ					**DIN LN3**
					SSN	**56219**				
	07.06 - 04.10	4	1.6	5FX <EP6DT>	SSJ					**DIN LN3**
					SSN	**55066**				
	03.07 - 06.09	4	1.6	5FW <EP6>	SSJ					**DIN LN3**
					SSN	**55066**				
	06.07 - 04.10	4	1.6	9H... <DV6TED4>	SSJ					**DIN LN3**
					SSN	**56219**				
	07.09→	4	1.6	5FS <EP6C>	SSJ					**DIN LN3**
207 GTi										
A7	04.07 - 02.11	4	1.6	5FY <EP6DTS>	SSJ					**DIN LN3**
					SSN	**55066**				
207CC										
A7	03.07 - 06.09	4	1.6	5FW <EP6>	SSJ					**DIN LN3**
					SSN	**56219**				
	03.07 - 06.11	4	1.6	5FX <EP6DT>	SSJ					**DIN LN3**
					SSN	**56219**				
	07.09→	4	1.6	5FS <EP6C>	SSJ					**DIN LN3**
306										
N3	05.93 - 04.97	4	1.9	D8A <XUD9TE>		**56219**				
	08.93 - 04.97	4	2.0	RFX <XU10J2 Kat.>; RFY <XU10J4>; R6D <XU10J2>		**54316**				
N5	05.97 - 03.02	4	1.8	LFY <XU7JP4>; L6A <XU7JP>		**54316**				
			2.0	RFV <XU10J4R>		**54316**				
	05.97 - 10.03	4	1.8	LFY <XU7JP4>; LFZ <XU7JP KAT.>; L6A <XU7JP>		**54316**				
			1.9	DHY <XUD9TE>		**56219**				

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ PEUGEOT									
N5	05.97 - 10.03	4	2.0	RFS <XU10J4RS>; RFV <XU10J4R>; R6E <XU10J4R>		**54316**			
	12.97 - 12.07	4	1.8	<XU7JP4>		**55066**			
N5	06.99 - 10.03	4	2.0	RHY <DW10TD>		**56219**			
306CC									
N3	01.93 - 04.97	4	1.8	LFZ <XU7JP KAT.>		**54316**			
N5	05.97 - 10.03	4	1.8	LFY <XU7JP4>		**54316**			
			2.0	RFV <XU10J4R>		**54316**			
307									
T5	08.00 - 05.05	4	1.6	NFU <TU5JP4>		**55066**			
			2.0	RFN <EW10J4>		**56219**			
				RHY <DW10TD>				**574.035**	
	03.02 - 05.05	4	2.0	RFN <EW10J4>		**56219**			
				RHY <DW10TD>				**574.035**	
	10.03 - 05.05	4	2.0	RFK <EW10J4S>; RFN <EW10J4>		**56219**			
				RHR <DW10BTED4/FAP>				**574.035**	
	02.04 - 05.05	4	1.6	9H... <DV6TED4>		**56219**			
T6	06.05 - 12.06	4	2.0	RFK <EW10J4S>		**56219**			
	06.05 - 08.07	4	1.6	9H... <DV6TED4>		**56219**			
			2.0	RFJ <EW10A>		**56219**			
				RHR <DW10BTED4/FAP>				**574.035**	
	06.05 - 05.08	4	1.6	9H... <DV6TED4>		**56219**			
			2.0	RFJ <EW10A>		**56219**			
				RHR <DW10BTED4/FAP>				**574.035**	
	06.05 - 03.09	4	2.0	RFJ <EW10A>; RFK <EW10J4S>		**56219**			
308									
T7	03.09→	4	1.6	5FX <EP6DT>	SSJ				**DIN LN3**
			2.0	RHR <DW10BTED4>	SSJ				**DIN LN3**
308CC									
T7	03.09→	4	1.6	5FT <EP6DT>	SSJ				**DIN LN3**
405									
15	04.88 - 12.92	4	1.9	DFW <XU9J4Z Kat.>		**56219**			
	07.88 - 12.92	4	1.9	DKZ,DFY <XU9JAZ Kat.>		**56219**			
	02.89 - 11.91	4	1.9	DFV <XU9J2 Kat.>		**56219**			
4	06.92 - 04.97	4	1.9	D8A <XUD9TE>				**574.035**	
			2.0	RFX <XU10J2 Kat.>		**56219**			
	01.93 - 04.97	4	2.0	RFT <XU10J4>; RFY <XU10J4>		**56219**			
406									
D8	10.95 - 03.99	4	2.0	RFV <XU10J4R>		**55066**			
	12.95 - 03.99	4	2.1	P8C <XUD11BTE>				**574.035**	
	08.96 - 03.99	6	3.0	XFZ <ES9J4>				**574.035**	
	10.96 - 03.99	4	2.0	RFV <XU10J4R>		**55066**			
			2.1	P8C <XUD11BTE>				**574.035**	
		6	3.0	XFZ <ES9J4>				**574.035**	
	03.97 - 03.99	4	2.0	RFV <XU10J4R>		**55066**			
		6	3.0	XFZ <ES9J4>				**574.035**	
D9	04.99 - 08.00	4	2.0	RFR <EW10J4>		**55066**			
	04.99 - 06.04	4	1.8	LFY <XU7JP4>		**55066**			
			2.0	RFV <XU10J4R>		**55066**			
				RHZ <DW10ATED>		**56219**			
		6	3.0	XFZ <ES9J4>				**574.035**	
	04.99 - 02.05	4	2.0	RFV <XU10J4R>		**55066**			
		6	3.0	XFZ <ES9J4>				**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
D9	012.99 - 02.05	6	3.0	XFX <ES9J4S>				**574.035**	
	03.00 - 06.04	4	2.2	4HX <DW12TED4>				**574.035**	
	08.00 - 06.04	4	2.0	RFN <EW10J4>		**55066**			
407									
D2	05.04 - 10.05	4	2.2	3FZ <EW12J4>		**56219**			
	05.04 - 11.05	4	2.0	RFN <EW10J4>		**56219**			
	05.04 - 12.06	6	3.0	XFV <ES9A>		**56219**			
	05.04 - 02.11	4	2.0	RH... <DW10BTED4>				**574.035**	
	10.05 - 06.09	6	2.7	UHZ <DT17TED4>				**574.035**	
	09.06 - 06.09	6	2.7	UHZ <DT17TED4>		**56219**			
505									
	03.86 - 12.93	4	2.2	851X <ZDJL Kat.>		**56219**			
508 2.2 HDi									
W2	10.10→	4	2.2	4HL <DW12C>	SSJ				**DIN LN3**
605									
Y30	07.93 - 05.99	6	3.0	UFZ <ZPJ KAT.>		**56219**			
607									
Z8	03.00 - 11.04	6	3.0	XFX <ES9J4S>		**56638**		**574.035**	
Z9	12.04 - 01.09	6	3.0	XFV <ES9A>				**574.035**	
3008									
T8	05.09→	4	1.6	5FV <EP6CDT>; 9HZ <DV6TED4/FAP>	SSJ				**DIN LN3**
			2.0	RHH <DW10CTED4 FAP>	SSJ				**DIN LN3**

PORSCHE

Boxster									
986	10.96 - 08.99	6	2.5	M96.20		**58014**			
	09.99 - 08.02	6	2.7	M96.22		**58014**			
	09.02 - 08.04	6	2.7	M96.23		**58014**			
987	09.04 - 08.06	6	2.7	M96.25		**58014**			
Boxster S									
986	09.99 - 08.02	6	3.2	M96.21		**58014**			
	09.02 - 08.04	6	3.2	M96.24		**58014**			
987	09.04 - 08.06	6	3.2	M96.26		**58014**			
Cayenne									
92A	09.10 - 08.11	6	3.0	M05.9E	SSJ				**DIN LN5**
	09.10→	6	3.6	M55.02	SSJ				**DIN LN5**
Panamera									
970	05.10→	6	3.6	M46.20; M46.40	SSJ				**DIN LN5**
	03.11→	8	4.8	M48.70	SSJ				**DIN LN5**
Panamera S									
970	03.09→	8	4.8	M48.20	SSJ				**DIN LN5**
Panamera Turbo									
970	03.09→	8	4.8	M48.70	SSJ				**DIN LN5**
Panamera 4S									
970	03.09→	8	4.8	M48.40	SSJ				**DIN LN5**

◀ PORSCHE

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
911 Carrera									
964	09.89 - 08.93	6	3.6	M64.0...		**56638**		**574.035**	
993	09.93 - 08.95	6	3.6	M64.0...		**56638**		**574.035**	
	09.94 - 08.97	6	3.8	M64.20		**56638**		**574.035**	
	09.95 - 08.97	6	3.6	M64.2...		**56638**		**574.035**	
996	09.97 - 08.99	6	3.4	M96.01		**56638**		**574.035**	
	09.99 - 08.01	6	3.4	M96.04		**56638**		**574.035**	
	09.01 - 07.04	6	3.6	M96.03		**56638**		**574.035**	
997	08.04 - 05.08	6	3.6	M96.05				**574.035**	
	04.05 - 05.08	6	3.8	M97.01				**574.035**	
997 GT3	03.06 - 12.08	6	3.6	M97.76				**574.035**	
997	06.08→	6	3.6	MA1.02		**58014**			
911 Carrera Cab									
997	06.08→	6	3.6	MA1.02		**58014**			
911 Carrera S									
997	08.04 - 05.08	6	3.8	M97.01				**574.035**	
911 Carrera 4									
964	09.89 - 08.93	6	3.6	M64.01		**56638**		**574.035**	
993	09.94 - 08.95	6	3.6	M64.05		**56638**		**574.035**	
	09.95 - 08.97	6	3.6	M64.21		**56638**		**574.035**	
996	09.98 - 08.99	6	3.4	M96.02		**56638**		**574.035**	
	09.01 - 07.04	6	3.6	M96.03		**56638**		**574.035**	
997	04.05 - 05.08	6	3.6	M96.05				**574.035**	
	10.05 - 05.08	6	3.8	M97.01				**574.035**	
	06.08→	6	3.6	MA1.02		**58014**			
911 Carrera 4 Cab									
997	06.08→	6	3.6	MA1.02		**58014**			
911 GT2									
996T/GT2/GT3	06.01 - 09.04	6	3.6	M96.70S				**574.035**	
911 GT3									
996T/GT2/GT3	03.99 - 08.01	6	3.6	M96.76		**56638**		**574.035**	
911 Targa 4									
997	06.08→	6	3.6	MA1.02		**58014**			
911 Turbo									
964	12.90 - 08.92	6	3.3	M30.69		**56638**		**574.035**	
	02.93 - 08.93	6	3.6	M64.50		**56638**		**574.035**	
993	03.95 - 08.97	6	3.6	M64.60		**56638**		**574.035**	
996T/GT2/GT3	06.00 - 09.05	6	3.6	M96.70		**56638**		**574.035**	
	02.03 - 09.05	6	3.6	M96.70E				**574.035**	
	10.03 - 09.05	6	3.6	M96.70; M96.70E				**574.035**	
928S									
	08.86 - 07.91	8	5.0	M2842...		**56638**		**574.035**	
	08.91 - 11.95	8	5.4	M28...		**56638**		**574.035**	
944									
	09.87 - 07.91	4	2.5	M44.52		**56318**		**575.035**	
	12.88 - 07.91	4	3.0	M44.41		**56318**		**575.035**	
968									
	08.91 - 11.95	4	3.0	M44.4...		**56318**		**575.035**	

PROTON

GEN2

	02.04→	4	1.6	S4PH <Campro>	**55D23L**	**80D23L**	**90D23L**	

Persona

C90 CC0	01.93 - 12.97	4	1.5	4G15 Euro I	**22FR-530**	**22FR-610**	**22FR-680**	
C90 CC1	12.95 - 06.99	4	1.3	4G13 Euro II	**22FR-530**	**22FR-610**	**22FR-680**	
			1.6	4G92 Euro II <SOHC>	**22FR-530**	**22FR-610**	**22FR-680**	
	12.95→	4	1.3	4G13 Euro II	**22FR-530**	**22FR-610**	**22FR-680**	
			1.5	4G15 <Euro II>; 4G15 Euro II	**22FR-530**	**22FR-610**	**22FR-680**	
	08.07→	4	1.6	S4PH <Campro>	**55D23R**	**80D23R**	**90D23R**	

Satria

C90	03.96→	4	1.5	4G15	**22FR-530**	**22FR-610**	**22FR-680**	
			1.6	4G92	**22FR-520**	**22FR-610**	**22FR-680**	
	11.98→	4	1.8	4G93	**22FR-520**	**22FR-610**	**22FR-680**	

Satria Neo

C90	11.06→	4	1.6	<Campro DOHC 16v>	**55D23R**	**80D23R**	**90D23R**	

Waja

CF1	09.00→	4	1.6	4G18 S4	**55D23L**	**80D23L**	**90D23L**	

Wira

C90	05.93→	4	1.6	4G92	**55458**			

RENAULT

Clio

BB./CB./SB.	06.98 - 10.07	4	1.6	K4M 748	**55066**			
	03.99 - 10.07	4	2.0	F4R 730	**55066**			
	10.99 - 10.07	4	1.4	K4J 712; K4J 713	**55066**			
	05.00 - 10.07	4	1.4	K4J 711	**55066**			
				K4J 715	**54316**			
	08.00 - 10.07	4	1.4	K4J 710	**55066**			
			1.6	K4M 708	**55066**			
	06.01 - 10.07	4	1.6	K4M 744	**55066**			
			2.0	F4R 732; F4R 736	**55066**			
LB	06.01 - 10.07	4	1.4	K4J 712	**55066**			
	11.01 - 10.07	4	1.4	K4J 713	**54316**			
BB./CB./SB.	12.02 - 10.07	4	1.6	K4M 742	**55066**			
	03.03 - 10.07	4	2.0	F4R 738	**55066**			
BR/CR	06.05→	4	1.4	K4J 780	**55457**		**560.035**	

Fluence

L3	02.10→	4	2.0	M4R 714	**54316**			

Kangoo

FC./KC.	01.03 - 12.07	4	1.6	K4M 732	**55066**			

Laguna

B56	01.94 - 12.96	4	2.0	F3R 722	**56219**			
	01.94 - 02.01	4	2.0	F3R 723	**56219**			
		6	3.0	Z7X 760	**56219**			
BG.	03.01 - 09.07	4	2.0	F4R 712	**56219**			
		6	3.0	L7X 731	**56219**			
	06.01 - 09.07	4	2.0	F4R 713	**55457**		**560.035**	
	07.05 - 09.07	4	2.2	G9T 605	**56318**		**575.035**	

◀ RENAULT

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Master									
X70	10.03 - 10.06	4	2.5	G9U 750			**60038**		
Megane									
X64	03.99 - 09.03	4	1.6	K4M 700		**56219**			
BM./CM./GM./SM.	03.03 - 10.08	4	2.0	F4R 774				**560.035**	
LM	07.03 - 10.09	4	2.0	F4R 771				**560.035**	
EM	10.03 - 03.10	4	1.6	K4M 760; K4M 761				**560.035**	
			2.0	F4R 771				**560.035**	
BM./CM./GM./SM.	05.05 - 10.08	4	1.6	K4M 812				**560.035**	
LM	05.05 - 10.09	4	1.9	F9Q 803		**55457**		**560.035**	
DZ	11.09→	4	2.0	F4R 874				**574.035**	
R 19									
X53	09.88 - 12.95	4	1.7	F3N 742 Kat.; F3N 743 Kat.		**56219**			
	05.92 - 12.95	4	1.8	F3P 700 Kat.		**56219**			
	09.94 - 12.95	4	1.8	F3P 682 Kat.		**56219**			
	10.94 - 12.95	4	1.8	F3P 765 Kat.		**56219**			
R 21									
L48	07.86 - 12.94	4	2.2	J7T 754,755 Kat.		**56219**			
	10.86 - 03.93	4	2.0	J7R 750,751		**56219**			
R 25									
	10.86 - 12.92	4	2.2	J7T 732,733 Kat.		**56219**			
	05.88 - 12.92	6	2.9	Z7W 701		**56219**			
Scenic									
JA.	03.99 - 04.03	4	1.6	K4M 700		**55457**		**560.035**	
	06.99 - 04.03	4	2.0	F4R 744		**56219**			
	06.00 - 04.03	4	2.0	F4R 746				**560.035**	
	11.00 - 04.03	4	2.0	F4R 744				**560.035**	
	02.01 - 04.03	4	2.0	F4R 746				**560.035**	
JM	05.03 - 04.09	4	2.0	F4R 770; F4R 771		**55457**		**560.035**	
Scenic II									
JM	05.05 - 04.09	4	1.9	F9Q 803		**55457**		**560.035**	
Trafic									
EL./FL./JL.	06.01 - 12.06	4	1.9	F9Q 760				**574.035**	
	01.06→	4	2.0	M9R 780				**574.035**	

ROLLS-ROYCE

Corniche									
	04.93 - 08.94	8	6.8	L 410 M		**55D26R**	**90D26R**	**110D26R**	
	01.00 - 12.02	8	6.8	OHV V8		**55D26R**	**90D26R**	**110D26R**	
Park Ward									
	03.00 - 12.02	12	5.4			**55D26R**	**90D26R**	**110D26R**	
Phantom									
RR1	03.03→	12	6.8	N73 B68A			**60038**		
Silver Dawn									
	09.94 - 08.97	8	6.8	OHV V8		**55D26R**	**90D26R**	**110D26R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Silver Seraph									
	03.98 - 12.02	12	5.4	V12		**55D26R**	**90D26R**	**110D26R**	
Silver Spirit									
	01.89 - 03.93	8	6.8	OHV V8		**55D26R**	**90D26R**	**110D26R**	
	03.94 - 05.98	8	6.8	L 410 MN 1T		**55D26R**	**90D26R**	**110D26R**	
Silver Spur									
	07.89 - 03.93	8	6.8	OHV V8 <Kat.>		**55D26R**	**90D26R**	**110D26R**	
	04.93 - 12.98	8	6.8	OHV V8		**55D26R**	**90D26R**	**110D26R**	
ROVER									
75									
	01.99 - 05.05	6	2.5	25 K4F <KV 6>				**574.035**	
	01.03 - 05.05	4	2.0	20 4D 2 <M 47 D 20>				**574.035**	
216									
	10.95 - 03.00	4	1.6	16K4F <K-Serie>		**54316**			
827									
	02.88 - 10.91	6	2.7	C27A V6		**56219**			
SAAB (SAAB AUTOMOBILE AB)									
9-3									
9400	03.98 - 08.00	4	2.0	B204I; B204L		**55457**		**560.035**	
			2.3	B234I		**55457**		**560.035**	
	09.98 - 08.00	4	2.0	B204E		**55457**		**560.035**	
	09.98 - 08.02	4	2.3	B235R		**55457**		**560.035**	
	09.99 - 08.02	4	2.0	B205E <(Ecopower)>; B205L; B205R <Ecopower DOHC>		**55457**		**560.035**	
9440	09.02 - 02.11	4	2.0	B207E; B207L		**56318**		**575.035**	
	02.03 - 02.11	4	2.0	B207R		**56318**		**575.035**	
	09.05 - 06.12	6	2.8	B284L <Turbo>		**56318**		**575.035**	
9-3 Cabriolet									
9440	08.03 - 02.11	4	2.0	B207E; B207L; B207R		**56318**		**575.035**	
	09.05 - 02.11	6	2.8	B284L <Turbo>		**56638**		**574.035**	
	01.06 - 09.10	4	1.9	Z 19 DTH				**574.035**	
	02.08 - 02.11	4	1.9	Z19DTR				**574.035**	
9-3 Kombi									
9440	03.05 - 02.11	4	2.0	B207R		**56318**		**575.035**	
	03.05 - 06.12	4	2.0	B207L		**56318**		**575.035**	
		6	2.8	B284L <Turbo>		**56638**		**574.035**	
9-5									
9600	09.01 - 02.10	4	2.3	B235R		**56638**		**574.035**	
9-5 Kombi									
9600	09.01 - 02.10	4	2.3	B235R		**56638**		**574.035**	
900									
	09.83 - 08.91	4	2.0	B 201 I Kat.		**55D26R**	**90D26R**	**110D26R**	
	09.85 - 08.92	4	2.0	B 202 I Kat.		**55D26R**	**90D26R**	**110D26R**	
	09.90 - 08.94	4	2.1	B 212 I Kat.		**55D26R**	**90D26R**	**110D26R**	

◀ SAAB

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
	09.93 - 08.98	4	2.0	B 206 I Kat.		**56638**		**574.035**	
	09.93 - 10.98	6	2.5	B 258 I		**56638**		**574.035**	
	03.94 - 08.98	4	2.0	B 206 I Kat.		**56638**		**574.035**	
	09.94 - 08.98	4	2.0	B 204 I Kat.		**56638**		**574.035**	
900 Turbo									
	08.84 - 08.93	4	2.0	B 202 L Kat.		**56219**			
900 Turbo Cabriolet									
	08.86 - 09.93	4	2.0	B 202 L Kat.		**56219**			
9000									
	08.86 - 08.93	4	2.0	B 202 I <Kat>		**56219**			
	09.89 - 08.93	4	2.3	B 234 I <Kat>		**56638**		**574.035**	
	01.90 - 08.93	4	2.0	B 202 L <Turbo- Katalysator>		**56219**			
	09.90 - 08.93	4	2.3	B 234 L <Turbo- Katalysator>		**56638**		**574.035**	
	09.92 - 12.98	4	2.0	B 202 S <Turbo- Katalysator>		**56219**			
	09.93 - 12.98	4	2.3	B 234 I <Kat>; B 234 L <Kat>		**56638**		**574.035**	
	09.94 - 12.98	6	3.0	B 308 I <Kat>		**56638**		**574.035**	
SEAT									
Cordoba									
6K2	09.93 - 04.96	4	2.0	2E		**55457**		**560.035**	
	07.94 - 12.02	4	1.8	ADZ		**55457**		**560.035**	
	12.95 - 11.02	4	1.6	AFT		**55457**		**560.035**	
	03.97 - 12.98	4	1.6	AEE		**54316**			
Ibiza									
6K1	03.93 - 04.96	4	2.0	2E		**54316**			
	09.93 - 12.95	4	1.4	ABD		**54316**			
	12.95 - 12.97	4	1.4	AEX		**54316**			
	06.96 - 10.99	4	2.0	ABF		**54316**			
Toledo									
1L2	05.91 - 06.96	4	2.0	2E		**55457**		**560.035**	
	03.94 - 03.99	4	2.0	ABF		**55457**		**560.035**	
	03.96 - 03.99	4	2.0	AGG		**55457**		**560.035**	
SKODA									
Octavia									
1Z3	05.04 - 05.10	4	2.0	BKD <D3W>				**574.035**	
	10.05 - 10.08	4	2.0	BWA <D2L>		**56219**			
	11.05 - 10.08	4	2.0	BVY <D2Z>		**56219**			
	03.06 - 03.11	4	1.9	BXE <D3W>				**574.035**	
	06.09→	4	1.6	CAYC <D38>	SSJ				**DIN LN3**
1Z5	06.09→	4	1.6	CAYC <D38>	SSJ				**DIN LN3**
Octavia Combi									
1U5	08.00 - 12.10	4	1.8	AUM		**56219**			
1Z5	05.04 - 05.10	4	2.0	BKD <D3W>				**574.035**	
	11.04 - 03.11	4	1.9	BXE <D3W>				**574.035**	
	10.05 - 10.08	4	2.0	BWA <D2L>				**574.035**	
	11.05 - 10.08	4	2.0	BVY <D2Z>		**56219**			
	12.05 - 05.10	4	2.0	BMM <D7N>				**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Roomster									
5J7	05.06 - 03.10	4	1.9	BSW <D3W>		**56219**			
	05.06 - 07.10	4	1.6	BTS <TT0>		**55066**			
120 L									
	08.76 - 12.90	4	1.2			**54316**			

SMART (MCC)

FORFOUR									
454	01.04 - 06.07	4	1.3	135.930		**55066**			
			1.5	135.950		**55066**			
	04.05 - 06.07	4	1.5	122.950		**55066**			
FORTWO									
450	02.04 - 03.07	3	0.7	160.910		**55066**			
Fortwo 1.0 mhd Cabrio									
451	10.07→	3	1.0	132.910 <RA1>		**55066**			
Fortwo 1.0 mhd Coupe									
451	10.07→	3	1.0	132.910 <RA1>		**55066**			
Roadster									
452	04.03 - 11.05	3	0.7	160.922		**55066**			
Smart									
450	01.03 - 01.04	3	0.7	160.920		**55066**			

SSANGYONG

Chairman									
	09.03 - 01.08	6	3.2	162-994-000 <DOHC M104>			**60038**		
Korando									
KJ	07.96 - 12.05	4	2.3	M161 E23 <M 111>		**95D31R**	**105D31R**	**125D31R**	
		5	2.9	OM 662 LA <OM 602>			**105D31R**	**125D31R**	
		6	3.2	M 104.995		**95D31R**	**105D31R**	**125D31R**	
Musso									
MJ	07.93 - 12.05	5	2.9	OM 662 D29 <OM 602.910>		**95D31R**	**105D31R**	**125D31R**	
	01.96 - 12.05	6	3.2	M162 E32 <M 104.>		**95D31R**	**105D31R**	**125D31R**	
	05.96 - 12.05	4	2.3	M161 E23 <M 111.970>		**95D31R**	**105D31R**	**125D31R**	
	10.02 - 12.05	5	2.9	662-902		**75D31R**	**105D31R**	**125D31R**	
Rexton									
	09.02 - 12.09	5	2.9	662 LA <(OM 662.925 LA)>			**105D31R**	**125D31R**	
		6	3.2	E32(M162.995.)			**105D31R**	**125D31R**	
	08.04 - 12.09	5	2.7	D 27 DT <OM 665.925>		**95D31R**	**105D31R**	**125D31R**	

SUBARU

Alcyone									
CXD/CXW	09.91 - 11.96	6	3.3	EG33			**90D26R**	**110D26R**	
Forester									
SF	01.97 - 07.98	4	2.0	EJ20J		**55D23L**	**80D23L**	**90D23L**	

◀ SUBARU

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
SF5	02.97 - 01.02	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
	06.97 - 01.02	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
SF	03.98 - 05.02	4	2.0	EJ202; EJ205		**55D23L**	**80D23L**	**90D23L**	
	07.98 - 05.02	4	2.5	EJ25		**55D23L**	**80D23L**	**90D23L**	
SF9	08.98 - 01.02	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
SG5	02.02 - 11.07	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
SG	06.02 - 05.05	4	2.5	EJ251		**55D23L**	**80D23L**	**90D23L**	
	04.03 - 11.07	4	2.5	EJ255		**55D23L**	**80D23L**	**90D23L**	
	06.05 - 11.07	4	2.5	EJ253; EJ255		**55D23L**	**80D23L**	**90D23L**	
S12	12.07 - 12.10	4	2.5	EJ253		**55D23L**	**80D23L**	**90D23L**	
	12.07 - 12.12	4	2.0	EE20Z			**90D26L**	**110D26L**	
			2.5	EJ255		**55D23L**	**80D23L**	**90D23L**	
B14	06.09 - 12.12	4	2.5	EJ253		**55D23L**	**80D23L**	**90D23L**	
	10.10 - 11.12	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Forester 2.0i 4WD									
SG5	02.02 - 11.07	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
Forester 2.5i Turbo 4WD									
SG9	02.04 - 11.07	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Impreza									
GC4	11.92 - 08.96	4	1.6	EJ16				**90D23L**	
GC6	11.92 - 08.96	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
GF3	11.92 - 08.96	4	1.6	EJ16		**55D23L**	**80D23L**	**90D23L**	
GC1	11.92 - 07.00	4	1.5	EJ15 (SOHC)				**90D23L**	
GF6/GFA	11.92 - 07.00	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
	01.93 - 12.95	4	1.6	EJ16		**55B24LS**			
GC	01.93 - 12.95	4	1.8	EJ18S		**55B24LS**			
GF	01.93 - 12.95	4	1.8	EJ18S		**40B19LS**			
GC	01.93 - 07.96	4	1.8	EJ18E		**55B24LS**			
GF4	10.93 - 08.96	4	1.6	EJ16		**55D23L**	**80D23L**	**90D23L**	
GF8	10.93 - 07.00	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GC,GF	10.93 - 09.00	4	1.6	EJ16E		**40B19LS**			
GF1	09.94 - 07.00	4	1.5	EJ15 (SOHC)				**90D23L**	
GC8	10.94 - 07.00	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GC,GF	08.95 - 07.98	4	2.0	EJ20E		**40B19LS**			
	08.96 - 07.98	4	1.6	EJ16J		**40B19LS**			
GC8	09.96 - 07.99	4	2.0	EJ20 (DOHC)				**90D23L**	
GF2	09.96 - 07.00	4	1.5	EJ15 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
GF5	09.96 - 07.00	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
GG9	08.00 - 05.04	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GDA	08.00 - 06.07	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GGA	08.00 - 06.07	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GG2	08.00 - 06.07	4	1.5	EJ15 (SOHC)		**40B19L**		**46B19L**	
GG3	08.00 - 06.07	4	1.5	EJ15 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
GD,GG	10.00 - 06.07	4	2.0	EJ201		**40B19LS**			
	07.01 - 05.05	4	2.5	EJ251		**40B19LS**			
	06.05 - 06.07	4	2.0	EJ204		**40B19LS**			
G12	06.07 - 12.11	4	2.0	EJ204		**40B19LS**			
Impreza Retna 1.6i 4WD									
GC4	01.95 - 08.96	4	1.6	EJ16		**55D23L**	**80D23L**	**90D23L**	
Impreza Sports Wagon 2.0i Turbo 4WD									
GF8	09.96 - 07.00	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
GGB	08.00 - 10.02	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Impreza WRX									
GC,GF	12.93 - 07.98	4	2.0	EJ20G		**40B19LS**			
	08.98 - 09.00	4	2.0	EJ205		**40B19LS**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
GD,GG	10.00 - 05.05	4	2.0	EJ205		**40B19LS**			
	06.05 - 06.07	4	2.5	EJ255		**40B19LS**			
	02.09 - 11.11	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Impreza WRX STi									
GD,GG	10.01 - 05.05	4	2.0	EJ207		**40B19LS**			
	09.03 - 06.07	4	2.5	EJ257		**40B19LS**			
Impreza 1.5i 4WD									
GC2	09.96 - 07.00	4	1.5	EJ15 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
GD3	09.03 - 06.07	4	1.5	EJ15 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
Impreza 2.0i Turbo 4WD									
GC8	11.92 - 10.94	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Impreza 2.0i 4WD									
GD9	08.00 - 08.03	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy									
BC,BF,BJ	01.89 - 08.95	4	2.2	EJ22		**40B19L**		**46B19L**	
BF3	02.89 - 09.93	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
BF5	02.89 - 09.93	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BF5/BFA	02.89 - 09.93	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BF5	10.89 - 09.93	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BC,BF,BJ	05.92 - 12.93	4	2.0	EJ20G		**40B19L**		**46B19L**	
BG7/BGB	10.93 - 05.96	4	2.2	EJ22		**55D23L**	**80D23L**	**90D23L**	
BD4	10.93 - 11.98	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BD5	10.93 - 11.98	4	2.0	EJ20 (DOHC); EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BG4	10.93 - 11.98	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BG5	10.93 - 11.98	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BG5/BGA	10.93 - 11.98	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BD,BG	01.94 - 05.97	4	2.2	EJ22E		**40B19L**		**46B19L**	
BD2	06.94 - 11.98	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
BD3	06.94 - 11.98	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
BG3	06.94 - 11.98	4	1.8	EJ18		**55D23L**	**80D23L**	**90D23L**	
BG9/BGC	10.94 - 11.98	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BD,BG	06.96 - 11.98	4	2.5	EJ25D <4CAM>		**40B19L**		**46B19L**	
BH5	06.98 - 04.03	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BH9/BHC	06.98 - 04.03	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BE	10.98 - 06.03	4	2.5	EJ251		**40B19L**		**46B19L**	
BE,BH	10.98 - 06.03	4	2.0	EJ201		**40B19L**		**46B19L**	
BH	10.98 - 06.03	4	2.5	EJ251		**40B19L**		**46B19L**	
BE5	11.98 - 04.03	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BE,BH	05.01 - 06.03	4	2.0	EJ208		**40B19L**		**46B19L**	
BEE	01.02 - 04.03	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	
BHE	01.02 - 04.03	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	
	05.03 - 05.09	4	2.0	EJ20 (DOHC)				**90D23L**	
BL,BP	07.03 - 06.05	4	2.0	EJ202		**40B19L**		**46B19L**	
	07.03 - 06.06	4	2.5	EJ25		**40B19L**		**46B19L**	
	07.03 - 05.09	6	3.0	EZ30D		**55D23L**	**80D23L**	**90D23L**	
Legacy Lancaster 2.5i 4WD									
BG9	08.97 - 11.98	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BH9	06.98 - 04.03	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy Lancaster 3.0i 4WD									
BHE	05.00 - 04.03	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	
Legacy Outback 3.0i 4WD									
BPE	10.03 - 05.09	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	

◀ SUBARU

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Legacy Touring Wagon 1.8i									
BG2	06.96 - 11.98	4	1.8	EJ18		**55B24L**			
Legacy Touring Wagon 2.0i 4WD									
BG5	10.93 - 11.98	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
	06.96 - 11.98	4	2.0	EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
BH5	06.98 - 04.03	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BP5	05.03 - 05.09	4	2.0	EJ20 (DOHC); EJ20 (SOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy Touring Wagon 3.0i 4WD									
BPE	09.03 - 05.09	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	
Legacy 2.0i									
BD4	10.93 - 11.98	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy 2.0i CNG 4WD									
BL5	05.04 - 04.07	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy 2.0i 4WD									
BD5	10.93 - 11.98	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BE5	11.98 - 04.03	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BL5	05.03 - 05.09	4	2.0	EJ20 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
Legacy 2.5i 4WD									
BD9	10.94 - 11.98	4	2.5	EJ25 (DOHC)		**55D23L**	**80D23L**	**90D23L**	
BE9	05.01 - 04.03	4	2.5	EJ25		**55D23L**	**80D23L**	**90D23L**	
Legacy 3.0i 4WD									
BLE	09.03 - 05.09	6	3.0	EZ30		**55D23L**	**80D23L**	**90D23L**	
Liberty									
	01.89 - 12.94	4	2.2	EJ22		**40B19L**		**46B19L**	
	01.94 - 12.94	4	2.2	EJ22		**40B19L**			
	01.94 - 12.95	4	2.2	EJ22				**46B19L**	
B14	06.09→	4	2.5	EJ253		**55D23L**	**80D23L**	**90D23L**	
MV									
	11.84 - 12.94	4	1.8	EA81		**40B19R**		**46B19R**	
Outback									
BD,BG	06.96 - 12.99	4	2.5	EJ25D <4CAM>		**40B19R**		**46B19R**	
BE,BH	10.98 - 06.03	4	2.5	EJ251		**40B19L**		**46B19L**	
	07.00 - 06.03	6	3.0	EZ30D		**55D23L**	**80D23L**	**90D23L**	
BL,BP	07.03 - 06.06	4	2.5	EJ25		**40B19L**		**46B19L**	
	07.03 - 05.09	6	3.0	EZ30D		**55D23L**	**80D23L**	**90D23L**	
	10.03 - 05.09	4	2.5	EJ25 (SOHC)		**40B19L**		**46B19L**	
	05.09→	6	3.6	EZ36			**90D26R**	**110D26R**	
B14	06.09→	4	2.0	EE20Z		**55D23L**	**80D23L**	**90D23L**	
			2.5	EJ253		**55D23L**	**80D23L**	**90D23L**	
Pleo									
RA2	10.98 - 01.04	4	0.7	EN07 (DOHC)		**40B19L**		**46B19L**	
RA1	10.98 - 01.10	4	0.7	EN07 (DOHC); EN07 (SOHC)		**40B19L**		**46B19L**	
RA2	10.98 - 01.10	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Pleo Van 0.7i									
RV1	10.98 - 01.10	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Pleo Van 0.7i 4WD									
RV2	10.98 - 01.10	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
R1 0.7i									
RJ1	01.05 - 03.10	4	0.7	EN07 (DOHC)				**46B19L**	
	07.05 - 03.10	4	0.7	EN07 (SOHC)				**46B19L**	
R1 0.7i Supercharger									
RJ1	11.05 - 03.10	4	0.7	EN07 (DOHC)				**46B19L**	
R1 0.7i Supercharger 4WD									
RJ2	11.05 - 03.10	4	0.7	EN07 (DOHC)				**46B19L**	
R1 0.7i 4WD									
RJ2	01.05 - 03.10	4	0.7	EN07 (DOHC)		**40B19L**		**46B19L**	
	07.05 - 03.10	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
R2									
RC1	12.03 - 03.10	4	0.7	EN07 (DOHC); EN07 (SOHC)		**40B19L**		**46B19L**	
RC2	12.03 - 03.10	4	0.7	EN07 (DOHC); EN07 (SOHC)		**40B19L**		**46B19L**	
Sambar Dias									
KV3	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
KV4	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TV1	01.99 - 10.03	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TV2	01.99 - 10.03	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TW1	01.99 - 09.09	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TW2	01.99 - 09.09	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Sambar Truck									
KT1	09.82 - 04.90	2	0.5	EK23		**40B19R**		**46B19R**	
KT6	09.87 - 04.90	2	0.5	EK23		**40B19R**		**46B19R**	
KS3	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
KS4	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TT1	01.99 - 04.12	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TT2	01.99 - 04.12	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Sambar Van									
KR6	09.87 - 04.90	2	0.5	EK23		**40B19R**		**46B19R**	
KV3	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
KV4	03.90 - 12.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TV1	01.99 - 08.04	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
TV2	01.99 - 04.12	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Sambar Van 0.7i									
TV1	01.99 - 04.12	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Sherpa									
	10.83 - 12.93	2	0.7	EK42		**55B24L**			
M80	04.89 - 02.92	4	0.8	EN08		**40B19R**		**46B19R**	
Stella 0.7i									
RN1	06.06 - 08.11	4	0.7	EN07 (DOHC)				**46B19L**	
Stella 0.7i Turbo									
RN1	06.06 - 08.11	4	0.7	EN07 (DOHC)				**46B19L**	
Stella 0.7i Turbo 4WD									
RN2	06.06 - 08.11	4	0.7	EN07 (DOHC)				**46B19L**	
Stella 0.7i 4WD									
RN2	06.06 - 08.11	4	0.7	EN07 (DOHC)				**46B19L**	

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
◀ SUBARU									
SVX									
	09.92 - 12.96	6	3.3	EG33		**40B19R**		**46B19R**	
Traviq 1.8i									
XM182	07.03 - 12.04	4	1.8	Z18		**56638**		**574.035**	
Traviq 2.2i									
XM220	08.01 - 12.04	4	2.2	Z22		**56638**		**574.035**	
Tribeca									
B9	04.06 - 11.07	6	3.0	EZ30D		**55D23L**	**80D23L**	**90D23L**	
W10	11.07→	6	3.6	EZ36D		**55D23L**	**80D23L**	**90D23L**	
Vivio T-Top 0.7i									
KY3	05.93 - 01.94	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio T-Top 0.7i Supercharger									
KY3	02.94 - 09.95	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio Van 0.7									
KW3	03.92 - 09.98	4	0.7	EN07 (SOHC)				**46B19L**	
Vivio Van 0.7 4WD									
KW4	03.92 - 09.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio 0.7i									
KK3	03.92 - 09.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio 0.7i Supercharger									
KK3	03.92 - 09.98	4	0.7	EN07 (DOHC); EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio 0.7i Supercharger 4WD									
KK4	03.92 - 09.98	4	0.7	EN07 (DOHC); EN07 (SOHC)		**40B19L**		**46B19L**	
Vivio 0.7i 4WD									
KK4	03.92 - 09.98	4	0.7	EN07 (SOHC)		**40B19L**		**46B19L**	

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Aerio Sedan 1.5i									
	11.01 - 07.07	4	1.5	M15A		**55B24L**			
Aerio Sedan 1.5i 4WD									
	11.01 - 07.07	4	1.5	M15A		**55B24L**			
Aerio Sedan 1.8i									
	11.03 - 07.07	4	1.8	M18A		**55B24L**			
Aerio Sedan 1.8i 4WD									
	11.03 - 07.07	4	1.8	M18A		**55B24L**			
Aerio 1.5i 4WD									
	01.01 - 06.06	4	1.5	M15A				**46B19L**	
Aerio 1.8i									
	11.03 - 06.06	4	1.8	M18A		**55B24L**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Aerio 1.8i 4WD									
	11.03 - 06.06	4	1.8	M18A		**55B24L**			
Alto									
EF	10.94 - 02.02	4	1.0	G10B		**40B19R**		**46B19R**	
AMF	12.08→	3	1.0	K10B		**40B19R**		**46B19R**	
Alto Lapin 0.7i									
	01.02 - 11.08	3	0.7	K6A		**40B19L**		**46B19L**	
Alto Lapin 0.7i Turbo									
	10.02 - 11.08	3	0.7	K6A		**40B19L**		**46B19L**	
Alto Lapin 0.7i Turbo 4WD									
	10.02 - 11.08	3	0.7	K6A		**40B19L**		**46B19L**	
Alto Lapin 0.7i 4WD									
	01.02 - 11.08	3	0.7	K6A		**40B19L**		**46B19L**	
Alto Van 0.7									
	03.90 - 11.94	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto Van 0.7 4WD									
	03.90 - 10.99	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto Van 0.7i									
	12.00 - 01.05	3	0.7	K6A		**40B19L**		**46B19L**	
	01.05 - 12.09	3	0.7	K6A				**46B19L**	
Alto Van 0.7i 4WD									
	05.99 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	12.00 - 01.05	3	0.7	K6A		**40B19L**		**46B19L**	
	01.05 - 12.09	3	0.7	K6A				**46B19L**	
Alto Works Van 0.7i Turbo 4WD									
	10.92 - 11.94	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
Alto Works 0.7i Turbo									
	03.90 - 11.94	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
	03.90 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	11.94 - 09.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 12.00	3	0.7	F6A (SOHC); K6A		**40B19L**		**46B19L**	
Alto Works 0.7i Turbo 4WD									
	03.90 - 11.94	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
	09.91 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	11.94 - 09.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 12.00	3	0.7	F6A (SOHC); K6A		**40B19L**		**46B19L**	
Alto 0.7									
	03.90 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto 0.7 4WD									
	03.90 - 09.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto 0.7i									
	11.94 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 09.04	3	0.7	K6A		**40B19L**		**46B19L**	
	09.04 - 12.09	3	0.7	K6A				**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Alto 0.7i Turbo									
	03.99 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto 0.7i Turbo 4WD									
	03.99 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Alto 0.7i 4WD									
	01.91 - 11.94	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	12.00 - 09.04	3	0.7	K6A		**40B19L**		**46B19L**	
	09.04 - 12.09	3	0.7	K6A				**46B19L**	
Alto 800									
EC	01.86 - 11.93	3	0.8	F8B		**40B19R**		**46B19R**	
APV									
	09.04→	4	1.6	G16A <SOHC MPI>		**40B19R**		**46B19R**	
Baleno									
	05.95 - 11.01	4	1.6	G16B		**55B24L**			
	09.95 - 09.05	4	1.8	G18A; J18A		**55B24L**			
	08.96 - 11.01	4	1.6	G16B		**55B24L**			
	08.96 - 08.06	4	1.8	G18A		**55B24L**			
Cappuccino 0.7i Turbo									
	10.91 - 05.95	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
	05.95 - 10.98	3	0.7	K6A		**40B19L**		**46B19L**	
Cara 0.7i Turbo									
	01.93 - 05.96	3	0.7	F6A (DOHC)		**40B19L**		**46B19L**	
Carry									
ED	10.85 - 12.90	4	1.0	F10A		**40B19RS**			
FD	03.99 - 03.09	4	1.3	G13B		**40B19R** **40B19RS**		**46B19R**	
Carry 0.6									
	05.89 - 03.90	3	0.6	F5B				**46B19R**	
Carry 0.6 4WD									
	05.89 - 03.90	3	0.5	F5B				**46B19R**	
Carry 0.6i Turbo									
	05.89 - 03.90	3	0.5	F5B				**46B19R**	
Carry 0.6i Turbo 4WD									
	05.89 - 03.90	3	0.5	F5B				**46B19R**	
Carry 0.7									
	10.90 - 01.99	3	0.7	F6A (SOHC)		**40B19R**		**46B19R**	
Carry 0.7 4WD									
	09.91 - 01.99	3	0.7	F6A (SOHC)		**40B19R**		**46B19R**	
Carry 0.7i									
	01.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A				**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Carry 0.7i Turbo									
	04.97 - 05.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Carry 0.7i Turbo 4WD									
	04.97 - 05.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Carry 0.7i 4WD									
	01.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A				**46B19L**	
Cervo									
	11.90 - 06.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Cervo 0.7i									
	11.06 - 12.09	3	0.7	K6A				**46B19L**	
Cervo 0.7i Turbo									
	07.90 - 05.97	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
		4	0.7	F6B		**40B19L**		**46B19L**	
	11.06 - 12.09	3	0.7	K6A				**46B19L**	
Cervo 0.7i Turbo 4WD									
	07.90 - 05.97	4	0.7	F6B		**40B19L**		**46B19L**	
	11.90 - 05.97	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	11.06 - 12.09	3	0.7	K6A				**46B19L**	
Cervo 0.7i 4WD									
	11.06 - 12.09	3	0.7	K6A				**46B19L**	
Chevrolet Cruze 1.4i									
	11.03 - 07.08	4	1.3	M13A		**55B24L**			
Chevrolet Cruze 1.4i 4WD									
	11.03 - 07.08	4	1.3	M13A		**55B24L**			
Chevrolet Cruze 1.5i									
	11.03 - 07.08	4	1.5	M15A		**55B24L**			
Chevrolet Cruze 1.5i 4WD									
	11.03 - 07.08	4	1.5	M15A		**55B24L**			
Chevrolet MW 1.4i									
	01.01 - 12.10	4	1.3	M13A				**46B19L**	
Cultus									
	07.92 - 05.98	3	1.0	G10		**40B19R**		**46B19R**	
Cultus 1.0									
	09.88 - 05.98	3	1.0	G10		**40B19R**		**46B19R**	
Escudo 2.0 Diesel Turbo 4WD									
	12.94 - 10.99	4	2.0	RF				**125D31L**	
Escudo 2.0i 4WD									
	12.94 - 11.96	6	2.0	H20A		**55D23L**	**80D23L**	**90D23L**	
	10.96 - 04.05	4	2.0	J20A		**55D23L**	**80D23L**	**90D23L**	
Escudo 2.5i 4WD									
	10.96 - 06.05	6	2.5	H25A		**55D23L**	**80D23L**	**90D23L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Escudo 2.7i 4WD									
	06.05→	6	2.7	H27A				**90D23L**	
Every Landy 1.3i									
	05.01 - 06.05	4	1.3	G13B (SOHC)		**55B24L**			
Every Wagon 0.7i									
	09.01→	3	0.7	K6A		**40B19L**		**46B19L**	
Every Wagon 0.7i Turbo									
	06.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A		**40B19L**		**46B19L**	
Every Wagon 0.7i Turbo 4WD									
	06.99 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A		**40B19L**		**46B19L**	
Every Wagon 0.7i 4WD									
	09.01→	3	0.7	K6A		**40B19L**		**46B19L**	
Every 0.7									
	03.90 - 01.99	3	0.7	F6A (SOHC)		**40B19R**		**46B19R**	
Every 0.7 4WD									
	03.90 - 01.99	3	0.7	F6A (SOHC)		**40B19R**		**46B19R**	
Every 0.7i									
	09.91 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A				**46B19L**	
Every 0.7i Turbo									
	03.90 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A				**46B19L**	
Every 0.7i Turbo 4WD									
	03.90 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01→	3	0.7	K6A				**46B19L**	
Every 0.7i 4WD									
	09.91 - 09.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	09.01 - 08.05	3	0.7	K6A				**46B19L**	
	08.05→	3	0.7	K6A		**40B19L**		**46B19L**	
Grand Escudo 2.7i 4WD									
	12.00 - 06.05	6	2.7	H27A		**55D23L**	**80D23L**	**90D23L**	
Grand Vitara									
	03.98 - 12.05	4	1.6	G16B		**22F-530DF**	**22F-610FD**		
			2.0	J20A		**55D23L**	**80D23L**	**90D23L**	
	03.98 - 03.08	4	1.6	G16B		**40B19R**		**46B19R**	
	04.98 - 12.05	6	2.5	H25A		**55D23L**	**80D23L**	**90D23L**	
	10.00→	4	2.0	J20A		**55D23L**	**80D23L**	**90D23L**	
	06.01→	6	2.7	H27A		**55D26L**	**90D26L**	**110D26L**	
	05.05→	4	2.0	J20A		**55D23L**	**80D23L**	**90D23L**	
	10.05→	4	1.9	F9Q		**55D26L**	**90D26L**	**110D26L**	
	06.08→	4	2.4	J24B		**55D23L**	**80D23L**	**90D23L**	
		6	3.2	N32A		**55D26L**	**90D26L**	**110D26L**	
	09.08→	4	2.4	J24B		**55D26L**	**90D26L**	**110D26L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Ignis									
	10.00 - 09.03	4	1.3	M13A		**54316**			
	12.03 - 02.05	4	1.5	M15A		**54316**			
Jimny									
FJ	10.98 - 10.08	4	1.3	G13BB		**40B19R**		**46B19R**	
	10.00 - 10.05	4	1.3	M13A		**40B19L**		**46B19L**	
Jimny Van 0.7i Turbo 4WD									
	03.90 - 10.98	3	0.7	F6A (SOHC)		**40B19R**		**46B19R**	
	11.95 - 10.98	3	0.7	F6A (SOHC)		**55B24R**			
Jimny Wide 1.3i 4WD									
	04.00 - 01.02	4	1.3	M13A		**55B24R**			
Kei 0.7i									
	10.98 - 10.09	3	0.7	K6A		**40B19L**		**46B19L**	
Kei 0.7i Turbo									
	10.98 - 11.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 10.09	3	0.7	K6A		**40B19L**		**46B19L**	
Kei 0.7i Turbo 4WD									
	10.98 - 11.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 10.09	3	0.7	K6A		**40B19L**		**46B19L**	
Kizashi									
	10.09→	4	2.4	J24B		**55D23L**	**80D23L**	**90D23L**	
Kizashi AWD									
	10.09→	4	2.4	J24B		**55D23L**	**80D23L**	**90D23L**	
Landy 2.0i									
C25	01.07 - 12.10	4	2.0	MR20DD				**90D23L**	
Landy 2.0i 4WD									
C25	01.07 - 12.10	4	2.0	MR20DD				**90D23L**	
Liana									
	03.01 - 04.08	4	1.6	M16A		**55B24L**			
	04.05 - 12.07	4	1.8	M18A		**55B24L**			
MR wagon 0.7i									
	12.01 - 01.11	3	0.7	K6A		**40B19L**		**46B19L**	
MR wagon 0.7i Turbo									
	12.01 - 01.11	3	0.7	K6A		**40B19L**		**46B19L**	
MR wagon 0.7i Turbo 4WD									
	12.01 - 01.11	3	0.7	K6A		**40B19L**		**46B19L**	
MR wagon 0.7i 4WD									
	12.01 - 01.11	3	0.7	K6A		**40B19L**		**46B19L**	
Sierra									
	01.90 - 12.95	4	1.3	G13BA		**40B19RS**			
	11.95 - 12.97	4	1.3	G13B (SOHC)		**40B19R**		**46B19R**	

◀ SUZUKI

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
Swift									
EA	10.89 - 04.95	3	1.0	G10		**40B19R**		**46B19R**	
SF	09.91 - 09.95	4	1.3	G13B		**40B19R**		**46B19R**	
			1.6	G16B		**40B19R**		**46B19R**	
	06.96 - 03.01	4	1.3	G13BA		**40B19R**		**46B19R**	
	11.04 - 09.10	4	1.3	M13A		**54316**			
	11.04→	4	1.5	M15A		**55B24R**			
EZ	11.04→	4	1.5	M15A		**55B24R**			
	09.05 - 09.10	4	1.6	M16A		**55B24R**			
Swift GTi									
SF	01.89 - 09.95	4	1.3	G13B		**40B19R**		**46B19R**	
SX4									
	07.06→	4	2.0	J20A		**55B24R**			
Twin 0.7i									
	01.03 - 08.05	3	0.7	K6A				**46B19L**	
Twin 0.7i Hybrid									
	01.03 - 08.05	3	0.7	K6A		**40B19L**		**46B19L**	
Vitara									
ET	03.88 - 11.94	4	1.6	G16A		**40B19R**		**46B19R**	
	02.91 - 03.98	4	1.6	G16B		**40B19R**		**46B19R**	
	12.94 - 03.98	6	2.0	H20A		**40B19R**		**46B19R**	
			2.5	H25A		**40B19R**		**46B19R**	
	12.96 - 03.98	4	2.0	J20A		**40B19R**		**46B19R**	
Wagon R									
	09.93 - 10.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
Wagon R+									
EM	10.96 - 05.00	4	1.0	G10		**40B19R**		**46B19R**	
Wagon R Solio 1.3i									
	12.00 - 08.05	4	1.3	M13A		**55B24L**			
Wagon R Wide									
	02.97 - 06.99	4	1.0	K10A		**55B24LS**			
Wagon R 0.7i									
	04.97 - 10.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
Wagon R 0.7i DI Turbo									
	09.03 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
Wagon R 0.7i DI Turbo 4WD									
	09.03 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
Wagon R 0.7i Turbo									
	02.95 - 10.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	04.97 - 10.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 11.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Wagon R 0.7i Turbo 4WD									
	02.95 - 10.98	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	04.97 - 10.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 11.01	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
Wagon R 0.7i 4WD									
	04.97 - 10.98	3	0.7	K6A		**40B19L**		**46B19L**	
	10.98 - 12.00	3	0.7	F6A (SOHC)		**40B19L**		**46B19L**	
	10.98 - 09.08	3	0.7	K6A		**40B19L**		**46B19L**	
X90									
	09.95 - 05.98	4	1.6	G16B		**55B24L**			

TOYOTA

Allion 1.5i									
NZT260	06.07→	4	1.5	1NZFE		**55B24L**			
Allion 1.8i									
ZRT260	06.07→	4	1.8	2ZRFE		**55B24L**			
Allion 1.8i 4WD									
ZRT265	06.07→	4	1.8	2ZRFE		**55B24L**			
Alphard									
ANH10W	05.02 - 05.08	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
ANH15W	05.02 - 05.08	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
MNH10W	05.02 - 05.08	6	3.0	1MZFE			**90D26L**	**110D26L**	
Altezza									
GXE10W	06.01 - 07.05	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
JCE10W	06.01 - 07.05	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
JCE15W	06.01 - 07.05	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
Aurion									
GSV40R	06.06→	6	3.5	2GRFE		**55D23L**	**80D23L**	**90D23L**	
Avalon									
MCX10	03.95 - 02.00	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
MCX10R	04.00 - 06.05	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
Avensis									
AZT220	07.00 - 01.03	4	2.0	1AZFSE		**55B24LS**			
ACM20	05.01 - 11.03	4	2.0	1AZFE			**22NF-330D**		
ACM21	10.03→	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
bB 1.3i									
QNC20	01.06 - 06.10	4	1.3	K3VE				**46B19L**	
bB 1.3i 4WD									
QNC25	01.06 - 06.10	4	1.3	K3VE				**46B19L**	
bB 1.5i									
QNC21	01.06 - 06.10	4	1.5	3SZVE				**46B19L**	
Blade 3.5i 4WD									
GRE156H	08.07→	6	3.5	2GRFE				**90D23L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Caldina									
CT196V	11.92 - 05.98	4	2.0	2C			**90D26L**	**110D26L**	
CT198V	11.92 - 05.98	4	2.0	2C			**90D26L**	**110D26L**	
CT190G	01.96 - 08.97	4	2.0	2CT			**90D26L**	**110D26L**	
CT216G	08.97 - 09.02	4	2.2	3CTE				**125D31L**	
CT197V	05.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
CT199V	05.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
Caldina Van									
ST198V	08.99 - 06.02	4	2.0	3SFE		**40B19L**		**46B19L**	
Cami									
J102E	05.00 - 12.05	4	1.3	K3VE; K3VET		**40B19L**		**46B19L**	
J122E	05.00 - 12.05	4	1.3	K3VE		**40B19L**		**46B19L**	
Camry									
CV30	07.90 - 06.94	4	2.0	2CT				**125D31L**	
CV40	06.94 - 06.98	4	2.2	3CT			**90D26L**	**110D26L**	
CV43	01.95 - 06.98	4	2.2	3CT			**90D26L**	**110D26L**	
ACV45	01.06 - 09.11	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
Camry / Vienta									
SV21	01.87 - 11.92	4	2.0	3SFE		**40B19LS**			
VZV21	06.88 - 02.93	6	2.5	2VZFE		**55D23L**	**80D23L**	**90D23L**	
SV22	07.89 - 06.91	4	2.0	3SFC		**40B19LS**			
SDV10	02.93 - 06.95	4	2.2	5SFE		**40B19LS**			
VDV10	02.93 - 06.95	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
SV41/SV42	06.94 - 06.98	4	2.0	3SFE		**55B24LS**			
VCV10	07.95 - 06.97	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
SXV10	07.95 - 04.98	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
SXV20	08.96 - 02.02	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
MCV20	07.97 - 08.02	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
ACV30	08.01 - 01.06	4	2.4	2AZFE		**55B24R**	**55B24R**		
ACV36	09.02 - 05.06	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
MCV36	09.02 - 06.06	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
ACV40	06.06→	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
ASV50	12.11→	4	2.5	2ARFE		**55D26R**	**90D26R**	**110D26R**	
AVV50	12.11→	4	2.5	2ARFXE		**55D26R**	**90D26R**	**110D26R**	
Carina									
CT190	08.92 - 08.96	4	2.0	2C			**90D26L**	**110D26L**	
CT195	08.92 - 08.96	4	2.0	2C			**90D26L**	**110D26L**	
CT210	08.96 - 08.98	4	2.0	2CT			**90D26L**	**110D26L**	
CT215	08.96 - 08.98	4	2.0	2CT			**90D26L**	**110D26L**	
CT211	08.98 - 12.01	4	2.2	3CTE			**90D26L**	**110D26L**	
CT216	08.98 - 12.01	4	2.2	3CTE				**125D31L**	
Celica									
ST185	10.87 - 08.93	4	2.0	3SGTE		**55D23L**	**80D23L**	**90D23L**	
ST182/ST183	09.89 - 09.93	4	2.0	3SGE				**90D23L**	
ST184	10.89 - 09.97	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
ST182	10.90 - 11.93	4	2.0	3SGE		**40B19LS**			
ST204	11.93 - 08.99	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
ST205	02.94 - 08.99	4	2.0	3SGTE		**55D23L**	**80D23L**	**90D23L**	
ST202	08.94 - 05.99	4	2.0	3SGE		**40B19LS**			
ST202C	12.97 - 08.99	4	2.0	3SGE		**55D23L**	**80D23L**	**90D23L**	
ZZT231	08.99 - 04.06	4	1.8	2ZZGE		**55B24LS**			
	08.00 - 08.05	4	1.8	2ZZGE			**22NF-330D**		

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Celsior									
UCF10/UCF11	11.89 - 10.94	8	4.0	1UZFE				**125D31L**	
UCF20/UCF21	10.94 - 08.00	8	4.0	1UZFE			**90D26L**	**110D26L**	
UCF30/UCF31	08.00 - 06.06	8	4.3	3UZFE			**90D26R**	**110D26R**	
Century									
VG40/VG45	09.87 - 01.97	8	4.0	5VEU		**55D23R**	**80D23R**	**90D23R**	
GZG50	04.97→	12	5.0	1GZFE		**75D31R**	**105D31R**	**125D31R**	
	01.03 - 01.05	12	5.0	1GZFE				**125D31R**	
Chaser									
GX90	10.92 - 09.96	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
JZX90	10.92 - 09.96	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
JZX91	10.92 - 09.96	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
LX90	10.92 - 09.96	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
SX90	10.92 - 09.96	4	1.8	4SFE		**55D23L**	**80D23L**	**90D23L**	
LX100	09.96 - 08.99	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
GX100	09.96 - 06.01	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
JZX100	09.96 - 06.01	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
JZX101	09.96 - 06.01	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
JZX105	09.96 - 06.01	6	2.5	1JZGE		**55D23L**	**80D23L**	**90D23L**	
SX100	04.97 - 06.01	4	1.8	4SFE		**55D23L**	**80D23L**	**90D23L**	
GX105	08.98 - 06.01	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
Chaser 2.0i									
GX81	08.88 - 10.92	6	2.0	1GGE		**55D23L**	**80D23L**	**90D23L**	
Coaster									
BB21/BB31/ BB40	02.83 - 07.99	4	3.4	3B			**90D26R**	**110D26R**	
HZB30/HZB31/ HZB40/HZB41/ HZB50	01.90 - 07.99	6	4.2	1HZ				**90D23R**	
HDB50/HDB51	05.95 - 07.99	6	4.2	1HDFT				**125D31R**	
BB55/BB58	12.95 - 07.99	4	4.1	15BF				**125D31R**	
BB58	07.99 - 08.04	4	4.1	15BFTE				**125D31R**	
HDB50/HDB51	07.99 - 08.04	6	4.2	1HDFTE				**125D31R**	
HZB40/HZB41/ HZB50	07.99 - 08.04	6	4.2	1HZ	ZE			**90D23R**	
BZB40/BZB50	03.02→	4	4.1	1BZFPE				**125D31R**	
XZB40/XZB50/ XZB51	08.04→	4	4.0	N04C				**125D31R**	
Comfort									
LXS11/LXS11Y	12.95 - 08.99	4	2.4	2LTE			**90D26L**	**110D26L**	
YXS11/YXS11Y	12.95 - 08.08	4	2.0	3YPE			**90D26L**	**110D26L**	
SXS11Y	04.96 - 08.01	4	1.8	4SFE			**90D26L**	**110D26L**	
Corolla									
AE92	05.87 - 06.91	4	1.6	4AGE			**22NF-330D**		
	01.88 - 04.92	4	1.6	4AFE			**22NF-330D**		
	01.89 - 04.92	4	1.6	4AFC			**22NF-330D**		
AE90	02.89 - 05.92	4	1.4	6AF		**40B19LS**			
AE92	02.89 - 06.94	4	1.6	4AF			**22NF-330D**		
AE93	08.89 - 05.91	4	1.6	4AGE		**40B19LS**			
AE92	01.91 - 12.92	4	1.6	4AFC		**40B19LS**			
AE94	01.91 - 12.92	4	1.8	4AFE			**22NF-330D**		
AE92	06.91 - 08.92	4	1.6	4AGE		**40B19LS**			
CE100	06.91 - 05.95	4	2.0	2C			**90D26L**	**110D26L**	
AE92	07.91 - 06.94	4	1.6	4AFE			**22NF-330D**		
AE94	07.91 - 06.94	4	1.6	4AFE			**22NF-330D**		

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
CE104	09.91 - 05.95	4	2.0	2C			**90D26L**	**110D26L**	
CE106V	09.91 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE108G	09.91 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE109V	09.91 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
AE102	09.92 - 08.97	4	1.8	7AFE			**50D20L**		
AE96	10.92 - 06.94	4	1.8	7AFE			**22NF-330D**		
AE101	07.94 - 08.98	4	1.6	4AFE			**22NF-330D**		
AE102	07.94 - 12.99	4	1.8	7AFE			**22NF-330D**		
CE100G	05.95 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE114	05.95 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
ZZE110	09.97 - 08.02	4	1.8	1ZZFE		**40B19L**		**46B19L**	
CE101G	04.98 - 08.00	4	2.2	3CE			**90D26L**	**110D26L**	
CE116	04.98 - 08.00	4	2.2	3CE			**90D26L**	**110D26L**	
CE105V	04.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
CE107V	04.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
AE112R	10.98 - 10.01	4	1.8	7AFE		**40B19LS**			
ZZE122L/ ZZE122R	03.99 - 01.08	4	1.8	1ZZFE		**40B19L**		**46B19L**	
CE121	08.00 - 06.04	4	2.2	3CE			**90D26L**	**110D26L**	
ZZE122	08.00 - 04.07	4	1.8	1ZZFE		**40B19L**		**46B19L**	
	09.01 - 01.04	4	1.8	1ZZFE		**56219**			
ZZE123	11.01 - 12.07	4	1.8	2ZZGE		**56219**			
ZZE122G	12.01 - 01.06	4	1.8	1ZZFE		**40B19LS**			
ZZE122	12.01 - 10.06	4	1.8	1ZZFE		**40B19LS**			
ZRE152R	09.07→	4	1.8	2ZRFE		**55B24LS**			
Corolla Fielder 2.2 Diesel									
CE121G	08.00 - 04.04	4	2.2	3CE		**75D31L**	**105D31L**	**125D31L**	
Corolla Rumion 1.5i									
NZE151N	10.07→	4	1.5	1NZFE		**55B24L**			
Corolla Rumion 1.8i 4WD									
ZRE154N	10.07→	4	1.8	2ZRFE		**55B24L**			
Corolla 4WD									
AE95	02.88 - 07.95	4	1.6	4AFE		**40B19LS**			
Corona									
CT190/CT190Y	02.92 - 01.96	4	2.0	2C			**90D26L**	**110D26L**	
CT195	08.92 - 01.96	4	2.0	2C			**90D26L**	**110D26L**	
Corona Premio									
AT210	01.96 - 12.01	4	1.6	4AFE		**55B24LS**			
Cressida									
LX80	08.88 - 08.96	4	2.4	2L		**55D23L**	**80D23L**	**90D23L**	
MX83	09.88 - 08.92	6	3.0	7MGE		**55D23L**	**80D23L**	**90D23L**	
Cresta									
GX81	08.88 - 10.92	6	2.0	1GGE		**55D23L**	**80D23L**	**90D23L**	
GX90	10.92 - 09.96	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
JZX90	10.92 - 09.96	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
LX90	10.92 - 09.96	4	2.4	2LTE		**55D23L**	**80D23L**	**90D23L**	
SX90	10.92 - 09.96	4	1.8	4SFE		**55D23L**	**80D23L**	**90D23L**	
GX100	09.96 - 08.98	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
LX100	09.96 - 08.99	4	2.4	2LTE		**55D23L**	**80D23L**	**90D23L**	
JZX100	09.96 - 06.01	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
JZX101	09.96 - 06.01	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
JZX105	09.96 - 06.01	6	2.5	1JZGE		**55D23L**	**80D23L**	**90D23L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Crown									
LS136V	10.91 - 09.94	4	2.4	2L			**90D26L**	**110D26L**	
GS130/GS131H	10.91 - 12.95	6	2.0	1GFE			**90D26L**	**110D26L**	
LS141	08.93 - 08.95	4	2.4	2LTE				**125D31L**	
LS130/LS131H	08.93 - 09.95	4	2.4	2LTE				**125D31L**	
LS130W	08.93 - 04.99	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
LS151/LS151H	08.95 - 09.99	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
GS151/GS151H	12.95 - 02.01	6	2.0	1GGPE		**55D23L**	**80D23L**	**90D23L**	
GXS10	12.95 - 02.01	6	2.0	1GGPE			**90D26L**	**110D26L**	
YXS10	12.95 - 06.04	4	2.0	3YPE			**90D26L**	**110D26L**	
JZS171	09.99 - 12.03	6	2.5	1JZGTE		**55D23R**	**80D23R**	**90D23R**	
JZS175W	12.99 - 06.07	6	3.0	2JZFSE		**55D23R**	**80D23R**	**90D23R**	
GS171	04.00 - 12.03	6	2.0	1GFE		**55D23R**	**80D23R**	**90D23R**	
GS171W	08.01 - 12.03	6	2.0	1GFE		**55B24R**			
YXS10/YXS10H	08.01 - 08.08	4	2.0	3YPE			**90D26L**	**110D26L**	
GXS12	08.01 - 12.12	6	2.0	1GFE		**55D23R**	**80D23R**	**90D23R**	
GXS10	10.01 - 10.02	6	2.0	1GGPE			**90D26L**	**110D26L**	
GRS180	12.03 - 02.08	6	2.5	4GR-FSE		**55D23L**	**80D23L**	**90D23L**	
GRS182	12.03 - 02.08	6	3.0	3GRFSE			**90D26L**	**110D26L**	
GRS183	12.03 - 02.08	6	3.0	3GRFSE		**55D23L**	**80D23L**	**90D23L**	
GRS181	08.04 - 02.08	6	2.5	4GR-FSE		**55D23L**	**80D23L**	**90D23L**	
Crown Majesta									
JZS177	09.99 - 06.04	6	3.0	2JZFSE				**90D23R**	
UZS171/UZS175	09.99 - 06.04	8	4.0	1UZFE		**55D23R**	**80D23R**	**90D23R**	
UZS173	09.99 - 06.04	8	4.0	1UZFE		**55D23R**	**80D23R**	**90D23R**	
UZS186	07.04 - 03.09	8	4.3	3UZFE			**90D26L**	**110D26L**	
UZS187	07.04 - 03.09	8	4.3	3UZFE			**90D26L**	**110D26L**	
Duet									
M100A	09.98 - 05.00	3	1.0	EJDE		**40B19L**		**46B19L**	
M110A	09.98 - 05.00	3	1.0	EJDE		**40B19L**		**46B19L**	
M100A	05.00 - 06.04	3	1.0	EJVE		**40B19L**		**46B19L**	
M101A	05.00 - 06.04	4	1.3	K3VE2		**40B19L**		**46B19L**	
M110A	05.00 - 06.04	3	1.0	EJVE		**40B19L**		**46B19L**	
M111A	05.00 - 06.04	4	1.3	K3VE2		**40B19L**		**46B19L**	
M101A	12.01 - 06.04	4	1.3	K3VE		**40B19L**		**46B19L**	
M111A	12.01 - 06.04	4	1.3	K3VE		**40B19L**		**46B19L**	
Dyna									
YH81	08.87 - 03.92	4	1.8	2Y		**55D26R**	**90D26R**	**110D26R**	
LH80	08.87 - 05.95	4	2.5	2L		**95D31R**	**105D31R**	**125D31R**	
BU60	08.88 - 05.95	4	3.0	B			**105D31R**	**125D31R**	
BU61	08.88 - 05.95	4	3.0	11B			**105D31R**	**125D31R**	
LY61	08.88 - 05.95	4	2.8	3L		**95D31R**	**105D31R**	**125D31R**	
YU62	08.88 - 05.95	4	2.2	4Y			**105D31R**	**125D31R**	
LY51/61/101/ 111/121/131	08.88 - 05.99	4	2.8	3L			**90D26R**	**110D26R**	
LY151/LY161/ LY201/LY211	05.95 - 05.99	4	2.8	3L			**90D26R**	**110D26R**	
YY100L	05.95 - 05.99	4	1.8	2Y		**55D26R**	**90D26R**	**110D26R**	
BU100/BU105/ BU120V	05.95 - 06.99	4	3.4	3B		**55D23R**	**80D23R**	**90D23R**	
BU102/02D/07/ 12/12D	05.95 - 06.99	4	4.1	15BF		**55D23R**	**80D23R**	**90D23R**	
RZU100/ RZU100A/ RZU140	05.95 - 07.00	4	2.7	3RZFE		**55D23R**	**80D23R**	**90D23R**	
LY102/12/22/ 32/52/62, LY202/12	05.99 - 07.01	4	3.0	5L			**90D26R**	**110D26R**	
LY212R,LY230R	11.99→	4	3.0	5L		**55D23L**	**80D23L**	**90D23L**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
TRY220/TRY230	05.03→	4	2.0	1TRFE		**55D23L**	**80D23L**	**90D23L**	
Dyna 2.0									
YY101/121/131/201/211	05.95 - 07.01	4	2.0	3Y		**55D23R**	**80D23R**	**90D23R**	
Dyna 3.0 Diesel Turbo									
KDY221/KDY231	08.07→	4	3.0	1KDFTV				**125D31L**	
Dyna 3.0 Diesel Turbo 4WD									
KDY271/KDY281	08.07 - 06.11	4	3.0	1KDFTV				**125D31L**	
Echo									
NCP10	08.99 - 12.02	4	1.3	2NZFE	AG	**55B24RS**			
					GS	**40B19RS**			
	09.99 - 02.05	4	1.3	2NZFE		**55B24RS**			
NCP12	09.99→	4	1.5	1NZFE		**55B24RS**			
NCP13	06.03→	4	1.5	1NZFE	AG	**55B24RS**			
					GS	**40B19RS**			
Emina									
CXR10G/CXR11G	01.92 - 08.93	4	2.2	3CT		**75D31R**	**105D31R**	**125D31R**	
CXR20G/CXR21G	01.92 - 08.93	4	2.2	3CT		**75D31R**	**105D31R**	**125D31R**	
CXR10G/CXR11G	08.93 - 12.99	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
CXR20G/CXR21G	08.93 - 12.99	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
Estima									
TCR10G/TCR11G	01.92 - 12.99	4	2.4	2TZFE		**75D31R**	**105D31R**	**125D31R**	
TCR20G/TCR21G	01.92 - 12.99	4	2.4	2TZFE		**75D31R**	**105D31R**	**125D31R**	
ACR40W	02.00 - 01.06	4	2.4	2AZFE			**55B24LS**		
Estima 2.4i 4WD									
ACR55W	01.06→	4	2.4	2AZFE				**90D23L**	
Estima 3.5i 4WD									
GSR55W	01.06→	6	3.5	2GRFE				**90D23L**	
FJ Cruiser									
GSJ15W	12.10→	6	4.0	1GRFE			**90D26L**	**110D26L**	
Gaia									
CXM10G	05.98 - 09.04	4	2.2	3CTE				**125D31L**	
Grand Hiace									
VCH10W	07.99 - 05.02	6	3.4	5VZFE		**55D23R**	**80D23R**	**90D23R**	
VCH16W	07.99 - 05.02	6	3.4	5VZFE		**55D23R**	**80D23R**	**90D23R**	
Granvia									
KCH10W	09.95 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
KCH16W	09.95 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
VCH10W	08.97 - 05.02	6	3.4	5VZFE		**55D23R**	**80D23R**	**90D23R**	
VCH16W	08.97 - 05.02	6	3.4	5VZFE		**55D23R**	**80D23R**	**90D23R**	
Harrier									
	03.98→	6	3.0	1MZFE		**22F-530DF**	**22F-610FD**		
Harrier 3.5i									
GSU30W/GSU31W	01.06 - 01.09	6	3.5	2GRFE				**90D23L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Harrier 3.5i 4WD									
GSU35W/ GSU36W	01.06 - 01.09	6	3.5	2GRFE				**90D23L**	
Hiace									
LH80/LH90	08.88 - 05.95	4	2.4	2L			**90D26R**	**110D26R**	
LH100G/ LH110G/LH140G	08.89 - 08.93	4	2.4	2L			**90D26L**	**110D26L**	
LH107G/ LH107W/LH117G	08.89 - 08.93	4	2.8	3L			**90D26L**	**110D26L**	
LH103V/LH113K/ LH113V/ LH123V	08.89 - 08.98	4	2.8	3L			**90D26L**	**110D26L**	
LH109V/ LH119V/LH129V	08.89 - 08.98	4	2.8	3L			**90D26L**	**110D26L**	
LH115B/LH125B	08.89 - 08.98	4	2.8	3L			**90D26L**	**110D26L**	
LH103	08.89 - 08.00	4	2.8	3L		**95D31R**	**105D31R**	**125D31R**	
LH105	08.89 - 08.00	4	2.8	3L			**105D31R**	**125D31R**	
LH113/115	08.89 - 08.00	4	2.8	3L			**105D31R**	**125D31R**	
RZH113	08.89 - 02.05	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
LH85/LH95	10.89 - 05.95	4	2.4	2L			**90D26R**	**110D26R**	
RZH 102V/112V/ 112K/182K	08.93 - 07.03	4	2.0	1RZE		**55D23R**	**80D23R**	**90D23R**	
KZH 106G/ 106W/116G/126G	08.93 - 07.04	4	3.0	1KZTE			**90D26L**	**110D26L**	
KZH100G/ KZH110G/ KZH120G	08.93 - 07.04	4	3.0	1KZTE			**90D26L**	**110D26L**	
RZH103	08.93 - 02.05	4	2.4	2RZE		**55D23L**	**80D23L**	**90D23L**	
LY101/LY111	05.95 - 10.96	4	2.8	3L			**90D26R**	**110D26R**	
LY151/LY161	05.95 - 10.96	4	2.8	3L			**90D26R**	**110D26R**	
RCH12R/S.B.V	08.95 - 12.03	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
RCH22	03.97 - 12.03	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
LH162V/LH172K/ LH172V/LH182K	08.98 - 10.04	4	3.0	5L			**90D26L**	**110D26L**	
LH168V/LH178V/ LH188K	08.98 - 10.04	4	3.0	5L			**90D26L**	**110D26L**	
LH174/184	08.98 - 02.05	4	3.0	5L			**105D31R**	**125D31R**	
KCH10W	07.99 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
KCH16W	07.99 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
KLH12/22	08.01→	4	2.5	2KDFTV		**95D31R**	**105D31R**	**125D31R**	
KDH200K/ KDH200V/ KDH220K	08.04 - 09.07	4	2.5	2KDFTV			**105D31R**	**125D31R**	
KDH205K/ KDH205V/ KDH225K	08.04 - 09.07	4	2.5	2KDFTV			**90D26R**	**110D26R**	
TRH214W/ TRH224W	08.04→	4	2.7	2TRFE				**90D23R**	
TRH223B	01.05→	4	2.7	2TRFE		**55D23R**	**80D23R**	**90D23R**	
TRH 201, 221, 223	03.05→	4	2.7	2TRFE		**55D23R**	**80D23R**	**90D23R**	
KDH201V/01K/ 11V/21K	08.07→	4	3.0	1KDFTV				**125D31R**	
Hiace Commuter									
RZH124B	08.93 - 07.03	4	2.0	1RZE		**55D23R**	**80D23R**	**90D23R**	
RZH125B	08.98 - 07.03	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
LH184B/LH186B	08.98 - 10.04	4	3.0	5L			**105D31R**	**125D31R**	
KDH222B	01.05 - 09.07	4	2.5	2KDFTV			**105D31R**	**125D31R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Hiace Commuter 2.5 Diesel Turbo 4WD									
KDH227B	01.05 - 09.07	4	2.5	2KDFTV			**90D26R**	**110D26R**	
Hiace Commuter 3.0 Diesel Turbo									
KDH223B	08.07→	4	3.0	1KDFTV				**125D31R**	
Hiace Truck									
YH81	10.89 - 05.95	4	1.8	2Y		**40B19L**		**46B19L**	
Hiace Van 2.4i									
RZH183K	12.00 - 07.03	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
Hiace Van 3.0 Diesel Turbo 4WD									
KDH206V/ KDH206K	08.07→	4	3.0	1KDFTV				**125D31R**	
Hilux									
LN51/56/60/ 61/65	08.84 - 07.98	4	2.4	2L		**55D26R**	**90D26R**	**110D26R**	
RN50/55/58/ 61/67	01.86 - 07.98	4	2.4	22R		**40B19RS**			
YN67R	02.86 - 08.98	4	2.2	4Y		**55D23L**	**80D23L**	**90D23L**	
YN50/55	08.86 - 07.98	4	1.6	1Y		**55D26R**	**90D26R**	**110D26R**	
YN58/62/63/67	08.86 - 07.98	4	2.2	4Y		**40B19RS**			
YN51R	11.86 - 08.98	4	1.8	2Y		**55D23L**	**80D23L**	**90D23L**	
YN85	08.88 - 08.94	4	1.8	2Y		**55D26R**	**90D26R**	**110D26R**	
YN106	08.88 - 08.94	4	2.2	4Y		**55D26R**	**90D26R**	**110D26R**	
YN110	08.88 - 08.94	4	2.2	4Y		**55D26R**	**90D26R**	**110D26R**	
LN85	08.88 - 08.97	4	2.4	2L		**95D31R**	**105D31R**	**125D31R**	
RN110R	08.88 - 08.97	4	2.4	22R			**105D31R**	**125D31R**	
YN80/YN85	09.88 - 08.94	4	1.8	2Y		**95D31R**	**105D31R**	**125D31R**	
LN105	09.88 - 08.97	4	2.4	2L		**95D31R**	**105D31R**	**125D31R**	
RN110	09.88 - 08.97	4	2.4	22RE		**55D26R**	**90D26R**	**110D26R**	
LN86R	10.88 - 12.97	4	2.8	3L			**105D31R**	**125D31R**	
LN106R, 107R, 111R	10.88 - 12.97	4	2.8	3L			**105D31R**	**125D31R**	
YN85	01.89 - 10.94	4	1.8	2Y		**55D23L**	**80D23L**	**90D23L**	
VZN130	08.89 - 11.95	6	3.0	3VZE		**55D23L**	**80D23L**	**90D23L**	
LN130	01.90 - 11.95	4	2.4	2LT		**95D31R**	**105D31R**	**125D31R**	
LN81/LN86	08.94 - 08.97	4	2.8	3L			**90D26L**	**110D26L**	
YN81/YN86	08.94 - 08.97	4	2.0	3YE				**90D23R**	
YN107	08.94 - 08.97	4	2.0	3YE			**90D26R**	**110D26R**	
LN57/67	08.95 - 07.98	4	2.8	3L		**95D31R**	**105D31R**	**125D31R**	
LN67R	10.95 - 08.98	4	2.8	3L		**95D31R**	**105D31R**	**125D31R**	
LN165/LN165H/ LN170H	08.97 - 08.99	4	2.4	2LTE			**90D26L**	**110D26L**	
RZN167	08.97 - 08.99	4	2.0	1RZE		**40B19R**		**46B19R**	
RZN147/ RZN152H	08.97 - 12.02	4	2.0	1RZE		**55D23L**	**80D23L**	**90D23L**	
LN147	08.97 - 06.04	4	3.0	5L			**90D26L**	**110D26L**	
LN167/LN172H	08.97 - 06.04	4	3.0	5L			**90D26L**	**110D26L**	
LN147R	10.97 - 02.05	4	3.0	5L		**95D31R**	**105D31R**	**125D31R**	
LN167R, 172R	10.97 - 02.05	4	3.0	5L			**105D31R**	**125D31R**	
RZN147R, 149R, 154R	10.97 - 02.05	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
RZN169R, 174R	10.97 - 02.05	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
LN192R	01.98 - 12.02	4	3.0	5L		**95D31R**	**105D31R**	**125D31R**	
LN167R	10.98 - 06.00	4	3.0	5L		**95D31R**	**105D31R**	**125D31R**	
RZN169H/ RZN174H	08.99 - 07.04	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
KZN16R	12.99→	4	3.0	1KZTE		**95D31R**	**105D31R**	**125D31R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
KNZ165R	07.00 - 05.05	4	3.0	1KZTE		**95D31R**	**105D31R**	**125D31R**	
LN167R	11.00 - 05.02	4	3.0	5LE		**95D31R**	**105D31R**	**125D31R**	
LN192R	11.00 - 12.02	4	3.0	5LE		**95D31R**	**105D31R**	**125D31R**	
RZN169R, 174R	10.02→	6	3.4	5VZFE		**55D23L**	**80D23L**	**90D23L**	
VZN210W	11.02 - 08.05	6	3.4	5VZFE			**105D31R**	**125D31R**	
TGN16	02.05→	4	2.7	2TRFE		**55D23L**	**80D23L**	**90D23L**	
GGN25R	03.05→	6	4.0	1GRFE		**55D26L**	**90D26L**	**110D26L**	
KUN16R	03.05→	4	3.0	1KDFTV		**95D31R**	**105D31R**	**125D31R**	
KUN26R	03.05→	4	3.0	1KDFTV		**95E41**			
TGN26R	06.05→	4	2.7	2TR-FE <VVTi>		**55D23L**	**80D23L**	**90D23L**	
	01.06→	4	2.7	2TR-FE		**55D23L**	**80D23L**	**90D23L**	
Hilux Surf									
YN130G	04.89 - 08.91	4	2.0	3YE		**55D23L**	**80D23L**	**90D23L**	
LN131V	04.89 - 08.93	4	2.8	3L			**105D31R**	**125D31R**	
LN130G/LN130W	08.90 - 08.93	4	2.4	2LTE			**105D31R**	**125D31R**	
VZN130G	08.90 - 11.95	6	3.0	3VZE		**55D23L**	**80D23L**	**90D23L**	
KZN130G/ KZN130W	08.93 - 11.95	4	3.0	1KZTE			**105D31R**	**125D31R**	
KZN185G/ KZN185W	11.95 - 08.00	4	3.0	1KZTE			**105D31R**	**125D31R**	
RZN185W	11.95 - 11.02	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
VZN185W	11.95 - 11.02	6	3.4	5VZFE			**105D31R**	**125D31R**	
KZN185W	07.96 - 08.00	4	3.0	1KZTE			**105D31R**	**125D31R**	
KDN185G/ KDN185W	06.00 - 11.02	4	3.0	1KDFTV			**105D31R**	**125D31R**	
RZN215W	11.02 - 08.04	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
KDN215W	11.02 - 08.05	4	3.0	1KDFTV			**105D31R**	**125D31R**	
GRN215W	08.05→	6	4.0	1GRFE				**90D23L**	
Ipsum									
CXM10G	09.97 - 05.01	4	2.2	3CTE				**125D31L**	
Ist 1.5i									
NCP110	07.07→	4	1.5	1NZFE				**90D23L**	
Ist 1.5i 4WD									
NCP115	07.07→	4	1.5	1NZFE				**90D23L**	
Ist 1.8i									
ZSP110	07.07→	4	1.8	2ZRFE				**90D23L**	
Kluger									
MCU28R	10.03→	6	3.3	3MZFE		**55D26L**	**90D26L**	**110D26L**	
GSU40R	09.07→	6	3.5	2GRFE			**90D26L**	**110D26L**	
GSU45R	09.07→	6	3.5	2GRFE			**90D26L**	**110D26L**	
Land Cruiser									
BJ70	11.84 - 01.90	4	3.4	3B		**95D31R**	**105D31R**	**125D31R**	
BJ73	11.84 - 02.94	4	3.4	3B		**95D31R**	**105D31R**	**125D31R**	
BJ71	10.85 - 01.90	4	3.4	13BT		**95D31R**	**105D31R**	**125D31R**	
LJ70	10.85 - 01.95	4	2.4	2LT		**95D31R**	**105D31R**	**125D31R**	
FJ75RP	02.86 - 04.92	6	4.0	3F		**95D31R**	**105D31R**	**125D31R**	
RJ70	08.86 - 05.93	4	2.4	22R		**55D26R**	**90D26R**	**110D26R**	
HJ60	08.87 - 01.90	6	4.0	2H		**95D31R**	**105D31R**	**125D31R**	
HJ61	08.87 - 01.90	6	4.0	12HT		**95D31R**	**105D31R**	**125D31R**	
FJ62, 70, 73, 75	09.87 - 12.92	6	4.0	3F		**95D31R**	**105D31R**	**125D31R**	
RJ70	12.88 - 04.96	4	2.4	22RE		**55D23L**	**80D23L**	**90D23L**	
FJ80	01.90 - 08.92	6	4.0	3FE		**95D31R**	**105D31R**	**125D31R**	
PZJ70	01.90 - 08.92	5	3.5	1PZ		**95D31R**	**105D31R**	**125D31R**	
PZJ73	01.90 - 08.92	5	3.5	1PZ		**95D31R**	**105D31R**	**125D31R**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
PZJ70/PZJ70V/ PZJ77V	01.90 - 01.94	5	3.5	1PZ				**125D31R**	
HDJ80	01.90 - 01.95	6	4.2	1HDT		**95D31L**	**105D31L**	**125D31L**	
HZJ80	01.90 - 01.98	6	4.2	1HZ		**95D31L**	**105D31L**	**125D31L**	
HZJ70	01.90 - 08.99	6	4.2	1HZ		**95D31R**	**105D31R**	**125D31R**	
HZJ73	01.90 - 08.99	6	4.2	1HZ		**95D31R**	**105D31R**	**125D31R**	
HZJ70/HZJ70V/ HZJ73V/HZJ77V	08.91 - 08.99	6	4.2	1HZ				**125D31R**	
FZJ80	08.92 - 01.98	6	4.5	1FZFE			**105D31L**	**125D31L**	
FZJ80G	08.92 - 01.98	6	4.5	1FZFE		**55D23L**	**80D23L**	**90D23L**	
HZJ75	08.92 - 08.99	6	4.2	1HZ		**95D31R**	**105D31R**	**125D31R**	
HDJ80	01.95 - 01.98	6	4.2	1HDFT		**95D31L**	**105D31L**	**125D31L**	
KZJ90/95	04.96 - 09.02	4	3.0	1KZTE		**95D31L**	**105D31L**	**125D31L**	
UZJ100W	01.98 - 08.07	8	4.7	2UZFE			**105D31L**	**125D31L**	
HDJ100	01.98 - 07.08	6	4.2	1HDFTE		**95D31L**	**105D31L**	**125D31L**	
UZJ100	01.98 - 07.08	8	4.7	2UZFE		**95D31L**	**105D31L**	**125D31L**	
HZJ78, 79, 105	03.99 - 02.07	6	4.2	1HZ		**95D31L**	**105D31L**	**125D31L**	
HZJ78	08.99 - 08.01	6	4.2	1HZ		**95D31L**	**105D31L**	**125D31L**	
HZJ79	08.99 - 08.01	6	4.2	1HZ		**95D31L**	**105D31L**	**125D31L**	
FZJ75, 78, 79, 105	11.99 - 07.01	6	4.5	1FZFE			**105D31R**	**125D31R**	
HDJ78, 79	06.01→	6	4.2	1HDFTE			**105D31L**	**125D31L**	
VDJ 76,78	03.07→	8	4.5	1VDFTV		**95D31R**	**105D31R**	**125D31R**	
VDJ 79	03.07→	8	4.5	1VDFTV		**95D31R**	**105D31R**	**125D31R**	
UZJ200	09.07 - 01.12	8	4.7	2UZFE			**90D26L**	**110D26L**	
VDJ200	09.07→	8	4.5	1VDFTV	TW		**90D26L**		
							90D26R		
Land Cruiser Prado									
LJ71G/LJ78G/ LJ78W	04.90 - 05.93	4	2.4	2LTE		**55D23L**	**80D23L**	**90D23L**	
KZJ71G/ KZJ71W/ KZJ78G/ KZJ78W	05.93 - 04.96	4	3.0	1KZTE		**55D26L**	**90D26L**	**110D26L**	
KZJ90W/ KZJ95W	04.96 - 08.00	4	3.0	1KZTE		**95D31R**	**105D31R**	**125D31R**	
RZJ90W/ RZJ95W	04.96 - 09.02	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
VZJ90W/ VZJ95W	04.96 - 09.02	6	3.4	5VZFE		**55D26L**	**90D26L**	**110D26L**	
VZJ90/95	04.96 - 01.03	6	3.4	5VZFE		**55D26L**	**90D26L**	**110D26L**	
VZJ95	04.96 - 01.03	6	3.4	5VZFE		**55D26L**	**90D26L**	**110D26L**	
RZJ90/95	10.96 - 08.04	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
KZJ95	03.00 - 09.02	6	3.0	1KZTE		**95D31R**	**105D31R**	**125D31R**	
KDJ90W/ KDJ95W	08.00 - 11.02	4	3.0	1KDFTV		**95D31R**	**105D31R**	**125D31R**	
VZJ120W/ VZJ121W/ VZJ125W	09.02 - 01.03	6	3.4	5VZFE		**55D23L**	**80D23L**	**90D23L**	
RZJ120W/ RZJ125W	09.02 - 08.04	4	2.7	3RZFE		**55D23L**	**80D23L**	**90D23L**	
KZJ120R	09.02→	4	3.0	1KDFTV		**95D31R**	**105D31R**	**125D31R**	
KDJ120W/ KDJ121W/ KDJ125W	11.02 - 07.07	4	3.0	1KDFTV		**95D31L**	**105D31L**	**125D31L**	
GRJ120	03.03 - 08.09	6	4.0	1GRFE			**90D26L**	**110D26L**	
	11.03→	6	4.0	1GRFE		**95D31L**	**105D31L**	**125D31L**	
GRJ150	08.09→	6	4.0	1GRFE			**90D26L**	**110D26L**	
KDJ150 / KDJ155	08.09→	4	3.0	1KDFTV		**95D31L**	**105D31L**	**125D31L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Land Cruiser Prado 4.0i 4x4									
GRJ120W/ GRJ121W	08.05 - 09.09	6	4.0	1GRFE				**110D26L**	
Lexcen									
VN19, VN35	06.89 - 08.91	6	3.8	VH		**22FR-530**	**22FR-610**	**22FR-680**	
VP19, VP35	09.91 - 05.93	6	3.8	VH		**22FR-530**	**22FR-610**	**22FR-680**	
VR19, VR35	06.93 - 04.95	6	3.8	VH		**22FR-530**	**22FR-610**	**22FR-680**	
VS19, VS35	05.95 - 04.97	6	3.8	VH		**22FR-530**	**22FR-610**	**22FR-680**	
Liteace									
YM30G	09.85 - 01.92	4	1.8	2YU		**55D26R**	**90D26R**	**110D26R**	
YM40G	10.85 - 01.92	4	2.0	3YU		**55D26R**	**90D26R**	**110D26R**	
CM51/CM52/ CM55	08.87 - 06.99	4	2.0	2C			**90D26R**	**110D26R**	
CM60/CM61/ CM65	08.87 - 06.99	4	2.0	2C			**90D26R**	**110D26R**	
KM30	08.88 - 01.92	4	1.5	5K		**55B24RS**			
M3	01.90 - 01.92	4	2.0	2YC		**55D26R**	**90D26R**	**110D26R**	
CR21G/CR28G	01.92 - 09.93	4	2.0	2CT			**90D26R**	**110D26R**	
CR30G/CR37G	01.92 - 09.93	4	2.0	2CT			**90D26R**	**110D26R**	
CR27V	01.92 - 10.96	4	2.0	2C			**90D26R**	**110D26R**	
CR22G/CR29G	09.93 - 10.96	4	2.2	3CT			**90D26R**	**110D26R**	
CR31G/CR38G	09.93 - 10.96	4	2.2	3CT			**90D26R**	**110D26R**	
CR40G	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
CR50G	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
SR40G	10.96 - 11.01	4	2.0	3SFE		**55D26R**	**90D26R**	**110D26R**	
CR41V	11.96 - 12.98	4	2.0	2C			**90D26R**	**110D26R**	
CR51V	11.96 - 12.98	4	2.0	2C			**90D26R**	**110D26R**	
CR50G	12.98 - 10.01	4	2.2	3CTE				**125D31R**	
CR40G	12.98 - 11.01	4	2.2	3CTE				**125D31R**	
CR52V	12.98 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
CM80/CM85	06.99 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Liteace Truck 2.2 Diesel									
CM70/CM75	06.99 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Liteace Van 2.0 Diesel 4WD									
CR36V	01.92 - 10.96	4	2.0	2C			**90D26R**	**110D26R**	
Liteace Van 2.2 Diesel									
CR42V	12.98 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Lucida									
CXR10G/CXR11G	01.92 - 08.93	4	2.2	3CT		**75D31R**	**105D31R**	**125D31R**	
CXR20G/CXR21G	01.92 - 08.93	4	2.2	3CT		**75D31R**	**105D31R**	**125D31R**	
CXR10G/CXR11G	08.93 - 12.99	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
CXR20G/CXR21G	08.93 - 12.99	4	2.2	3CTE		**75D31R**	**105D31R**	**125D31R**	
Mark II									
GX81	08.88 - 08.90	6	2.0	1GGTE; 1GGZE		**55D23L**	**80D23L**	**90D23L**	
	08.88 - 12.95	6	2.0	1GGE		**55D23L**	**80D23L**	**90D23L**	
YX80/YX80Y	08.88 - 12.95	4	2.0	3YP			**90D26L**	**110D26L**	
GX70G	10.88 - 04.97	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
SX80/SX80Y	08.90 - 12.95	4	1.8	4SFE		**55D23L**	**80D23L**	**90D23L**	
JZX90	10.92 - 09.96	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
JZX91	10.92 - 09.96	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
LX90	10.92 - 09.96	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
SX90	10.92 - 09.96	4	1.8	4SFE		**55D23L**	**80D23L**	**90D23L**	
LX100	09.96 - 08.99	4	2.4	2LTE		**75D31L**	**105D31L**	**125D31L**	
GX100	09.96 - 10.00	6	2.0	1GFE				**90D23L**	

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		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
JZX100	09.96 - 10.00	6	2.5	1JZGE; 1JZGTE		**55D23L**	**80D23L**	**90D23L**	
JZX101	09.96 - 10.00	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
JZX105	09.96 - 10.00	6	2.5	1JZGE		**55D23L**	**80D23L**	**90D23L**	
GX105	08.98 - 10.00	6	2.0	1GFE		**55D23L**	**80D23L**	**90D23L**	
GX110	10.00 - 11.04	6	2.0	1GFE				**90D23R**	
GX115	10.00 - 11.04	6	2.0	1GFE				**90D23R**	
JZX110	10.00 - 11.04	6	2.5	1JZFSE		**55D23R**	**80D23R**	**90D23R**	
				1JZGTE				**90D23R**	
JZX115	10.00 - 11.04	6	2.5	1JZGE		**55D23R**	**80D23R**	**90D23R**	
JZX110W	01.02 - 06.07	6	2.5	1JZFSE		**55D23R**	**80D23R**	**90D23R**	
				1JZGTE				**90D23R**	
JZX115W	01.02 - 06.07	6	2.5	1JZGE		**55D23R**	**80D23R**	**90D23R**	
Mark X									
GRX120	11.04 - 10.09	6	2.5	4GR-FSE		**55D23L**	**80D23L**	**90D23L**	
GRX121	11.04 - 10.09	6	3.0	3GRFSE		**55D23L**	**80D23L**	**90D23L**	
GRX125	11.04 - 10.09	6	2.5	4GR-FSE		**55D23L**	**80D23L**	**90D23L**	
Mark X Zio 2.4i									
ANA10	09.07→	4	2.4	2AZFE				**90D23L**	
Mark X Zio 2.4i 4WD									
ANA15	09.07→	4	2.4	2AZFE				**90D23L**	
Mark X Zio 3.5i									
GGA10	09.07→	6	3.5	2GRFE				**90D23L**	
Masterace									
CR21G/CR28G	08.87 - 01.92	4	2.0	2CT			**90D26R**	**110D26R**	
CR30G/CR37G	08.87 - 01.92	4	2.0	2CT			**90D26R**	**110D26R**	
MR-S									
ZZW30	10.99 - 07.07	4	1.8	1ZZFE		**55B24LS**			
MR2									
SW20	12.89 - 08.99	4	2.0	3SGE; 3SGTE		**55B24LS**			
ZZW30	12.99 - 05.06	4	1.8	1ZZFE		**55B24LS**			
Noah									
AZR60G	11.01 - 06.07	4	2.0	1AZFSE		**55D23L**	**80D23L**	**90D23L**	
AZR65G	11.01 - 06.07	4	2.0	1AZFSE		**55D23L**	**80D23L**	**90D23L**	
Noah 2.0i									
ZRR70G/ ZRR70W	06.07→	4	2.0	3ZRFE				**90D23L**	
ZRR70W	06.07→	4	2.0	3ZRFAE				**90D23L**	
Noah 2.0i 4WD									
ZRR75G/ ZRR75W	06.07→	4	2.0	3ZRFE		**55B24L**			
ZRR75W	06.07→	4	2.0	3ZRFAE				**90D23L**	
Paseo									
EL44	09.91 - 08.95	4	1.5	5EFE		**22FR-530**	**22FR-610**	**22FR-680**	
EL54R	08.95 - 07.99	4	1.5	5EFE		**22FR-530**	**22FR-610**	**22FR-680**	
Passo									
KGC10	06.04 - 02.10	3	1.0	1KRFE		**40B19L**		**46B19L**	
KGC15	06.04 - 02.10	3	1.0	1KRFE		**40B19L**		**46B19L**	
QNC10	06.04 - 02.10	4	1.3	K3VE		**40B19L**		**46B19L**	

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		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Porte 1.5i 4WD									
NNP15	01.06→	4	1.5	1NZFE				**46B19R**	
Premio									
CT210	01.96 - 12.97	4	2.0	2CT			**90D26L**	**110D26L**	
CT215	01.96 - 12.97	4	2.0	2CT			**90D26L**	**110D26L**	
CT211	12.97 - 12.01	4	2.2	3CTE			**90D26L**	**110D26L**	
CT216	12.97 - 12.01	4	2.2	3CTE				**125D31L**	
Premio 1.5i									
NZT260	06.07→	4	1.5	1NZFE		**55B24L**			
Premio 1.8i									
ZRT260	06.07→	4	1.8	2ZRFE		**55B24L**			
Premio 1.8i 4WD									
ZRT265	06.07→	4	1.8	2ZRFE		**55B24L**			
Prius									
NHW10/NHW11	12.97 - 09.03	4	1.5	1NZFXE		**40B19L**		**46B19L**	
NHW11	09.00 - 08.03	4	1.5	1NZFXE		**40B19L**		**46B19L**	
NHW20	09.03→	4	1.5	1NZFXE		**55B24R**			
ZVW30	04.09→	4	1.8	2ZRFXE		**55B24R**			
Prius C									
NHP10	09.11→	4	1.5	1NZFXE		**40B19R**		**46B19R**	
Prius V									
ZVW40	03.12→	4	1.8	2ZRFXE		**55B24R**			
Pronard									
MCX20	02.00 - 06.04	6	3.0	1MZFE		**55D23L**	**80D23L**	**90D23L**	
RAV4									
SXA 10	04.94 - 08.00	4	2.0	3SFE				**46B19R**	
					AG	**55B24R**			
					GS	**40B19R**			
SXA 11	04.94 - 08.00	4	2.0	3SFE	AG	**55B24RS**			
					GS	**40B19RS**			
SXA10W/ SXA11W	08.96 - 05.00	4	2.0	3SGE		**55B24LS**			
ACA 20/21	05.00 - 07.03	4	2.0	1AZFE	AG	**55B24RS**			
					GS	**40B19RS**			
ACA 22/23	07.03 - 01.06	4	2.4	2AZFE		**55D23R**	**80D23R**	**90D23R**	
ACA33/38	11.05 - 11.12	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
ALA35	11.05 - 11.12	4	2.2	2ADFTV		**95D31L**	**105D31L**	**125D31L**	
GSA33/38	11.05→	6	3.5	2GRFE		**55D26L**	**90D26L**	**110D26L**	
RAV4 2.4i									
ACA36W	11.05→	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
Regius									
KCH40G/ KCH40W	04.97 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
KCH46G/ KCH46W	04.97 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
LXH43V	06.97 - 05.02	4	3.0	5L			**90D26R**	**110D26R**	
LXH49V	06.97 - 05.02	4	3.0	5L			**90D26R**	**110D26R**	

◀ TOYOTA

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Regiusace									
LH162V/LH172K/ LH172V/LH182K	07.99 - 06.04	4	3.0	5L			**90D26L**	**110D26L**	
LH168V/LH178V/ LH188K	07.99 - 06.04	4	3.0	5L			**90D26L**	**110D26L**	
KDH200K/ KDH200V/ KDH220K	08.04 - 09.07	4	2.5	2KDFTV			**90D26R**	**110D26R**	
KDH205K/ KDH205V/ KDH225K	08.04 - 09.07	4	2.5	2KDFTV			**90D26R**	**110D26R**	
Regiusace 2.4i									
RZH183K	12.00 - 07.03	4	2.4	2RZE		**55D23R**	**80D23R**	**90D23R**	
Regiusace 3.0 Diesel Turbo									
KDH201V/01K/ 11V/21K	09.07→	4	3.0	1KDFTV				**125D31R**	
Regiusace 3.0 Diesel Turbo 4WD									
KDH206V/ KDH206K	09.07→	4	3.0	1KDFTV				**125D31R**	
Rukus									
ZRE152N	10.07→	4	1.8	2ZRFE		**55B24L**			
Scepter									
VCV15W	07.92 - 07.96	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
SXV10	11.92 - 12.96	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
VCV10	11.92 - 12.96	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
SXV15W	12.92 - 07.96	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
SXV15	10.93 - 07.96	4	2.2	5SFE		**55D23L**	**80D23L**	**90D23L**	
VCV15	10.93 - 07.96	6	3.0	3VZFE		**55D23L**	**80D23L**	**90D23L**	
Soarer									
UZZ30/UZZ31/ UZZ32	05.91 - 09.97	8	4.0	1UZFE			**105D31L**	**125D31L**	
	05.91 - 12.01	8	4.0	1UZFE			**105D31L**	**125D31L**	
JZZ31	01.94 - 12.00	6	3.0	2JZGE		**55D23L**	**80D23L**	**90D23L**	
UZZ40	04.01 - 07.05	8	4.3	3UZFE				**574.035**	
Soarer Turbo									
JZZ30	05.91 - 12.00	6	2.5	1JZGTE		**55D23L**	**80D23L**	**90D23L**	
Soarer Twin Turbo									
	05.91 - 12.01	6	2.5	1JZGTE			**105D31L**	**125D31L**	
Spacia									
YR22	10.93 - 08.96	4	2.2	4YEC		**40B19R**		**46B19R**	
Sparky									
S221E	09.00 - 03.03	4	1.3	K3VE		**40B19L**		**46B19L**	
S231E	09.00 - 03.03	4	1.3	K3VE		**40B19L**		**46B19L**	
Sprinter									
CE100	06.91 - 05.95	4	2.0	2C			**90D26L**	**110D26L**	
CE104	09.91 - 05.95	4	2.0	2C			**90D26L**	**110D26L**	
CE106V	09.91 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE109V	09.91 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE110	05.95 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
CE114	05.95 - 04.98	4	2.0	2C			**90D26L**	**110D26L**	
CE113	04.98 - 08.00	4	2.2	3CE			**90D26L**	**110D26L**	
CE116	04.98 - 08.00	4	2.2	3CE			**90D26L**	**110D26L**	
CE105V	04.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
CE107V	04.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
Sprinter Wagon									
CE102G	04.98 - 06.02	4	2.2	3CE			**90D26L**	**110D26L**	
Starlet									
EP82	12.89 - 01.96	4	1.3	4EFTE		**40B19RS**			
EP91	01.96 - 07.99	4	1.3	4EFE	AG	**55B24RS**			
					GS	**40B19RS**			
				4EFTE		**40B19RS**			
Supra									
MA70	08.88 - 12.90	6	3.0	7MGE			**105D31R**	**125D31R**	
	08.88 - 04.93	6	3.0	7MGTE		**95D31R**	**105D31R**	**125D31R**	
MA71	10.88 - 04.93	6	3.0	7MGTE			**105D31R**	**125D31R**	
JZA80	05.93 - 01.96	6	3.0	2JZGTE			**105D31R**	**125D31R**	
	05.93 - 08.02	6	3.0	2JZGE		**55D23L**	**80D23L**		
				2JZGTE		**55D23L**	**80D23L**	**90D23L**	
Tarago									
YR31	01.86 - 04.90	4	2.2	4YEC		**55D23R**	**80D23R**	**90D23R**	
TCR10W/ TCR11W	05.90 - 01.98	4	2.4	2TZFE		**55B24LS**			
TCR20W/ TCR21W	05.90 - 01.98	4	2.4	2TZFE		**55B24LS**			
TCR10R	05.90 - 12.00	4	2.4	2TZFE		**55D23L**	**80D23L**	**90D23L**	
ACR30W	02.00 - 01.06	4	2.4	2AZFE		**55D23L**	**80D23L**	**90D23L**	
ACR50W	01.06→	4	2.4	2AZFE		**55B24LS**			
GSR50W	01.06→	6	3.5	2GRFE		**55D26L**	**90D26L**	**110D26L**	
Tercel									
NL30/NL40/NL50	05.86 - 07.99	4	1.5	1NT		**55D23L**	**80D23L**	**90D23L**	
NL40/NL50	09.90 - 07.99	4	1.5	1NT		**55D23L**	**80D23L**	**90D23L**	
Touring Hiace									
KCH40W	07.99 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
KCH46W	07.99 - 05.02	4	3.0	1KZTE			**90D26R**	**110D26R**	
Townace									
CR21G/CR28G	08.87 - 09.93	4	2.0	2CT		**22FR-530**	**22FR-610**	**22FR-680**	
CR30G/CR37G	08.87 - 09.93	4	2.0	2CT		**22FR-530**	**22FR-610**	**22FR-680**	
CR27V	08.87 - 10.96	4	2.0	2C			**90D26R**	**110D26R**	
CR36V	08.87 - 10.96	4	2.0	2C			**90D26R**	**110D26R**	
CM51/CM52/ CM55	08.87 - 06.99	4	2.0	2C			**90D26R**	**110D26R**	
CM60/CM61/ CM65	08.87 - 06.99	4	2.0	2C			**90D26R**	**110D26R**	
YR39	04.92 - 12.96	4	2.0	3YC		**22FR-530**	**22FR-610**	**22FR-680**	
CR22G/CR29G	09.93 - 10.96	4	2.2	3CT			**90D26R**	**110D26R**	
CR31G/CR38G	09.93 - 10.96	4	2.2	3CT			**90D26R**	**110D26R**	
CR50G	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
CR41V	11.96 - 12.98	4	2.0	2C			**90D26R**	**110D26R**	
CR51V	11.96 - 12.98	4	2.0	2C			**90D26R**	**110D26R**	
KR42V	11.96 - 12.98	4	1.8	7K		**40B19RS**			
CR40G	12.98 - 11.01	4	2.2	3CTE				**125D31R**	
CR50G	12.98 - 11.01	4	2.2	3CTE				**125D31R**	

◀ TOYOTA

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
KR42V	12.98 - 12.03	4	1.8	7KE		**22FR-530**	**22FR-610**	**22FR-680**	
						55B24R	**22FR-610**	**22FR-680**	
Townace Noah									
CR40G	10.96 - 12.98	4	2.2	3CT			**90D26R**	**110D26R**	
Townace Truck 2.2 Diesel									
CM70/CM75	06.99 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Townace Truck 2.2 Diesel 4WD									
CM80/CM85	06.99 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Townace Van 2.2 Diesel									
CR42V	12.98 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Townace Van 2.2 Diesel 4WD									
CR52V	12.98 - 06.04	4	2.2	3CE			**90D26R**	**110D26R**	
Toyoace									
LY51/61/101/ 111/121/131	08.88 - 05.99	4	2.8	3L			**90D26L**	**110D26L**	
BU102/BU107/ BU112	05.95 - 06.99	4	4.1	15BF		**55D23R**	**80D23R**	**90D23R**	
RZU100/ RZU100A/RZU140	05.95 - 07.00	4	2.7	3RZFE		**55D23R**	**80D23R**	**90D23R**	
LY102/12/22/ 32/52/62, LY202/12	05.99 - 07.01	4	3.0	5L			**90D26R**	**110D26R**	
Toyoace 2.0									
YY101/121/131/ 201/211	10.96 - 07.01	4	2.0	3Y		**55D23R**	**80D23R**	**90D23R**	
Toyoace 2.0i									
TRY220/TRY230	05.03→	4	2.0	1TRFE		**55D23L**	**80D23L**	**90D23L**	
Toyoace 2.5 Diesel									
KDY220/30/40V/ 70/80/90V	08.04 - 09.07	4	2.5	2KDFTV			**90D26L**	**110D26L**	
Toyoace 2.8 Diesel 4WD									
LY151/LY161/ LY201/LY211	05.95 - 05.99	4	2.8	3L			**90D26L**	**110D26L**	
Toyoace 3.0 Diesel Turbo									
KDY221/KDY231	08.07→	4	3.0	1KDFTV				**125D31L**	
Toyoace 3.0 Diesel Turbo 4WD									
KDY271/KDY281	08.07 - 06.11	4	3.0	1KDFTV				**125D31L**	
Vanguard 2.4i 4WD									
ACA33W	08.07→	4	2.4	2AZFE				**110D26L**	
Vanguard 3.5i 4WD									
GSA33W	08.07→	6	3.5	2GRFE				**110D26L**	
Verossa									
GX110	06.01 - 04.04	6	2.0	1GFE		**55D23R**	**80D23R**	**90D23R**	
GX115	06.01 - 04.04	6	2.0	1GFE		**55D23R**	**80D23R**	**90D23R**	
JZX110	06.01 - 04.04	6	2.5	1JZFSE; 1JZGTE		**55D23R**	**80D23R**	**90D23R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
Vista									
CV30	07.90 - 06.94	4	2.0	2CT			**90D26L**	**110D26L**	
CV40	06.94 - 06.98	4	2.2	3CT			**90D26L**	**110D26L**	
CV43	01.95 - 06.98	4	2.2	3CT				**125D31L**	
Vitz									
SCP10	01.99 - 02.05	4	1.0	1SZFE		**40B19R**		**46B19R**	
SCP13	12.02 - 02.05	4	1.3	2SZFE		**55D23R**	**80D23R**		
Voltz									
ZZE136	05.02 - 02.04	4	1.8	1ZZFE		**55D23L**	**80D23L**	**90D23L**	
Voltz 1.8i									
ZZE137	05.02 - 02.04	4	1.8	2ZZGE		**55D23L**	**80D23L**	**90D23L**	
Voltz 1.8i 4WD									
ZZE138	05.02 - 02.04	4	1.8	1ZZFE		**55D23L**	**80D23L**	**90D23L**	
Voxy									
AZR60G	11.01 - 06.07	4	2.0	1AZFSE		**55D23L**	**80D23L**	**90D23L**	
AZR65G	11.01 - 06.07	4	2.0	1AZFSE		**55D23L**	**80D23L**	**90D23L**	
Voxy 2.0i									
ZRR70G/ ZRR70W	06.07→	4	2.0	3ZRFE				**90D23L**	
ZRR70W	06.07→	4	2.0	3ZRFAE				**90D23L**	
Voxy 2.0i 4WD									
ZRR75G/ ZRR75W	06.07→	4	2.0	3ZRFE		**55B24L**			
ZRR75W	06.07→	4	2.0	3ZRFAE				**90D23L**	
Wish									
ANE10G/ ANE11W	04.03 - 04.09	4	2.0	1AZFSE		**55B24RS**			
Yaris									
NCP92	01.06→	4	1.3	2NZFE		**40B19LS**			
NCP93	01.06→	4	1.5	1NZFE		**55B24LS**			
NCP131	12.10→	4	1.5	1NZFE		**55B24LS**			
4-Runner									
YN63	08.89 - 12.90	4	2.2	4YE		**55D23R**	**80D23R**	**90D23R**	
RN130	08.89 - 11.95	4	2.4	22R		**55D23R**	**80D23R**	**90D23R**	
LN130	10.89→	4	2.8	3L			**105D31R**	**125D31R**	
VZN130	01.90 - 11.95	6	3.0	3VZE		**55D23R**	**80D23R**	**90D23R**	
RN130	08.90 - 08.95	4	2.4	22RE		**55D23L**	**80D23L**	**90D23L**	
86									
ZN6	04.12→	4	2.0	FA20		**55B24RS**			

UD TRUCKS / NISSAN-DIESEL

Condor									
	06.95 - 06.99	4	2.5	TD25				**125D31R**	
	06.95 - 12.04	4	2.7	TD27			**90D26R**	**110D26R**	
	08.97 - 12.04	4	3.2	QD32				**125D31R**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
◀ UD TRUCKS / NISSAN-DIESEL									
Condor 2.7 Diesel 4WD									
	06.95 - 12.04	4	2.7	TD27				**125D31R**	
Condor 3.2 Diesel 4WD									
	08.97 - 12.04	4	3.2	QD32				**125D31R**	

VAUXHALL

Combo									
	09.94 - 10.01	4	1.4	C 14 SE		**54316**			
	04.96 - 10.01	4	1.4	X 14 SZ <Ecotec>		**54316**			

VOLVO

C30									
P14	10.06 - 07.07	5	2.5	B5254T3	SSJ				**DIN LN3**
					SSN	**55457**		**560.035**	
	10.06 - 07.10	5	2.4	B5244S4	SSJ				**DIN LN3**
					SSN	**55457**		**560.035**	
				D5244T8...	SSJ				**DIN LN3**
					SSN	**58014**			
	10.06 - 09.10	4	2.0	D4204T	SSJ				**DIN LN3**
	10.06 - 07.11	4	1.6	D4164T...	BWD,SSJ				**DIN LN3**
	08.07→	5	2.5	B5254T7	SSJ				**DIN LN3**
C70									
	09.97 - 07.02	5	2.3	B5234T3		**56638**		**574.035**	
	03.99 - 07.00	5	2.4	B5244S		**56638**		**574.035**	
	08.99 - 07.02	5	2.4	B5244T		**56638**		**574.035**	
	08.02 - 03.06	5	2.3	B5234T9		**56638**		**574.035**	
C70 II									
	03.06 - 07.07	5	2.5	B5254T3	SSJ				**DIN LN3**
					SSN	**56219**			
	03.06 - 07.10	5	2.4	B5244S4	SSJ				**DIN LN3**
					SSN	**56219**			
	08.07→	5	2.5	B5254T7	BWD,SSJ				**DIN LN3**
S40									
	02.97 - 07.99	4	2.0	B4204S		**56318**		**575.035**	
	05.97 - 07.99	4	1.9	B4194T		**56318**		**575.035**	
	04.98 - 07.99	4	2.0	B4204T		**56318**		**575.035**	
	08.99 - 07.00	4	1.9	B4194T2; B4204T2		**56318**		**575.035**	
	08.99 - 01.04	4	1.8	B4184S2		**56318**		**575.035**	
			2.0	B4204S2		**56318**		**575.035**	
	08.00 - 01.04	4	1.9	B4204T5		**56318**		**575.035**	
	08.01 - 01.04	4	1.9	B4204T3		**56318**		**575.035**	
P11	12.03 - 07.07	5	2.5	B5254T3				**575.035**	
	03.06 - 07.10	5	2.4	D5244T8...		**58014**			
S40 II									
P11	12.03 - 07.10	5	2.4	B5244S4				**575.035**	
	01.04 - 07.10	4	2.0	D4204T		**58014**			
	08.07→	5	2.5	B5254T7				**575.035**	
S60									
	11.00 - 07.03	5	2.4	B5244T3		**56638**		**574.035**	
	11.00 - 03.04	5	2.3	B5234T3		**56638**		**574.035**	
	11.00 - 07.09	5	2.4	B5244S		**56638**		**574.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
	03.03 - 07.07	5	2.5	B5254T4		**56638**		**574.035**	
	04.04 - 07.09	5	2.5	B5254T2		**56638**		**574.035**	
S70									
	01.97 - 07.99	5	2.4	B5254S; B5254T		**56318**		**575.035**	
	01.97 - 07.00	5	2.3	B5234T3		**56318**		**575.035**	
	08.99 - 07.00	5	2.4	B5244S2		**56318**		**575.035**	
S80									
TS	06.98 - 07.99	6	2.9	B6304S3		**56638**		**574.035**	
	06.98 - 07.01	6	2.8	B6284T		**56318**		**575.035**	
	08.01 - 07.06	6	2.9	B6294T			**60038**		
	08.03 - 07.06	5	2.5	B5254T2		**56638**		**574.035**	
S80 II									
AS	03.06 - 07.09	5	2.4	D5244T4		**58014**			
	03.06 - 12.10	8	4.4	B8444S				**574.035**	
	08.06 - 07.10	6	3.2	B6324S				**574.035**	
S90									
	01.97 - 05.98	6	2.9	B6304S				**574.035**	
V40									
	02.97 - 07.99	4	2.0	B4204S		**56318**		**575.035**	
	05.97 - 07.99	4	1.9	B4194T		**56318**		**575.035**	
	04.98 - 07.99	4	2.0	B4204T		**56318**		**575.035**	
	08.99 - 07.00	4	1.9	B4194T2; B4204T2		**56318**		**575.035**	
	08.99 - 04.04	4	1.8	B4184S2		**56318**		**575.035**	
			2.0	B4204S2		**56318**		**575.035**	
	08.01 - 04.04	4	1.9	B4204T3				**574.035**	
V50									
P12	04.04 - 07.07	5	2.5	B5254T3				**575.035**	
	04.04 - 07.10	4	2.0	D4204T		**58014**			
		5	2.4	B5244S4				**575.035**	
	04.06 - 07.10	5	2.4	D5244T8...		**58014**			
	08.07 - 12.12	5	2.5	B5254T7				**575.035**	
V70									
	01.97 - 03.00	5	2.3	B5234T3		**56318**		**575.035**	
			2.4	B5254S; B5254T		**56318**		**575.035**	
V70 II									
	03.00 - 07.03	5	2.4	B5244T3		**56219**			
	03.00 - 07.04	5	2.3	B5234T3				**574.035**	
	03.00 - 07.07	5	2.4	B5244S				**574.035**	
	03.03 - 07.07	5	2.5	B5254T4				**574.035**	
	04.04 - 07.07	5	2.5	B5254T2				**574.035**	
V90									
	01.97 - 07.98	6	2.9	; B6304S				**574.035**	
XC60									
	03.09 - 07.10	6	3.0	B6304T2				**574.035**	
	08.09 - 07.11	5	2.4	D5244T10				**574.035**	
	08.10→	6	3.2	B6324S4	SSJ				**DIN LN3**
XC70									
	08.02 - 07.07	5	2.5	B5254T2				**574.035**	
	08.04 - 07.07	5	2.4	B5244T4				**574.035**	

◀ VOLVO

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
XC70 II									
	08.07 - 07.10	6	3.2	B6324S		**58014**			
XC70 II 3.2 AWD									
	08.10→	6	3.2	B6324S5		**58014**			
XC90									
	10.02 - 08.12	5	2.5	B5254T2		**56638**		**574.035**	
	01.03 - 07.06	6	2.9	B6294T		**56638**		**574.035**	
	03.05 - 12.10	8	4.4	B8444S		**56638**		**574.035**	
	05.05→	5	2.4	D5244T4			**60038**		
	08.06 - 07.10	6	3.2	B6324S			**60038**		
XC90 3.2 AWD									
	08.10→	6	3.2	B6324S5			**60038**		
240 Series									
	08.88 - 12.91	4	2.3	B230F Kat.		**55D26R**	**90D26R**	**110D26R**	
	08.91 - 07.93	4	2.3	B230F		**55D26R**	**90D26R**	**110D26R**	
440									
	10.93 - 12.96	4	2.0	B20F Kat.		**55457**		**560.035**	
740									
	08.84 - 07.91	4	2.3	B230E		**56219**			
	08.84 - 10.91	4	2.3	B230FT Kat.		**56219**			
	08.84 - 07.92	4	2.3	B230F Kat.		**56219**			
	04.88 - 07.90	4	2.3	B234F Kat.		**56219**			
	08.89 - 07.91	4	2.3	B230FT Kat.		**56219**			
760									
	05.86 - 11.90	6	2.8	B280F Kat.		**56638**		**574.035**	
850									
	09.91 - 07.97	5	2.4	B5254S Kat.		**56638**		**574.035**	
	09.92 - 07.97	5	2.4	B5252S Kat.		**56638**		**574.035**	
	09.93 - 07.97	5	2.3	B5234FT Kat.		**56638**		**574.035**	
	08.95 - 07.97	5	2.3	B5234T5		**56638**		**574.035**	
	09.95 - 07.97	5	2.4	B5254S Kat.		**56638**		**574.035**	
	09.96 - 07.97	5	2.4	B5254T Kat.		**56638**		**574.035**	
940									
	12.90 - 07.92	4	2.3	B234F Kat.		**56638**		**574.035**	
	12.90 - 12.93	4	2.3	B230FT Kat.		**56638**		**574.035**	
	06.91 - 07.95	4	2.3	B230F Kat.		**56219**			
	05.95 - 12.96	4	2.3	B230FK Kat.		**56219**			
960									
	09.90 - 07.91	6	2.8	B280F Kat.		**56638**		**574.035**	
	12.91 - 02.97	6	3.0	B6304FS Kat.		**56638**		**574.035**	

VW (VOLKSWAGEN)

Bora									
1J2	09.98 - 02.01	5	2.3	AGZ		**56219**			
	09.98 - 05.05	4	2.0	APK		**56219**			
	01.99 - 02.01	5	2.3	AGZ		**56219**			
	01.00 - 04.01	6	2.8	AUE		**56219**			
1J6	05.00 - 02.01	5	2.3	AGZ		**56219**			

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
1J2	09.00 - 05.05	5	2.3	AQN		**56219**			
	05.01 - 05.05	6	2.8	BDE		**56219**			
Bus									
24, 25	08.85 - 07.92	4	2.1	MV		**55457**		**560.035**	
Caddy									
2K	02.04 - 08.10	4	1.9	BJB <D3W>				**574.035**	
	06.04→	4	1.6	BGU		**55457**		**560.035**	
	06.05 - 08.10	4	1.9	BLS <D3W>				**574.035**	
California									
7H	06.03 - 11.09	4	2.0	AXA <MOR>		**58014**			
Caravelle									
256	06.87 - 12.91	5	2.1	DJ		**55457**		**560.035**	
70, 7D	09.90 - 06.03	4	2.0	AAC		**55457**		**560.035**	
	11.90 - 12.93	5	2.5	AAF		**55457**		**560.035**	
	07.94 - 10.96	5	2.5	ACU		**55457**		**560.035**	
	01.95 - 06.03	5	2.5	ACV			**60038**		
	08.96 - 06.03	5	2.5	AET		**58014**			
	05.00 - 06.03	6	2.8	AMV		**58014**			
Crafter 35									
2E, 2F	04.06→	5	2.5	BJK <D5L>				**574.035**	
Crafter 50									
2E, 2F	04.06 - 07.11	5	2.5	BJM <D5N>				**574.035**	
	04.06→	5	2.5	BJL <D5M>				**574.035**	
Eos									
1F7	05.06 - 05.08	4	2.0	BMM		**56219**			
	05.06 - 11.10	4	2.0	BWA <D2L>		**56219**			
Golf II									
19, 1G	07.90 - 11.92	4	1.8	RV		**55457**		**560.035**	
Golf III									
1H1	09.93 - 07.96	4	1.9	1Z		**56318**		**575.035**	
	04.94 - 09.94	4	2.0	2E		**55457**		**560.035**	
	04.94 - 12.97	6	2.8	AAA		**56318**		**575.035**	
	10.94 - 12.97	4	2.0	ADY		**55457**		**560.035**	
1E7	02.95 - 07.95	4	2.0	ADY		**55457**		**560.035**	
	07.95 - 04.98	4	2.0	AGG		**55457**		**560.035**	
1H1	10.95 - 12.97	4	1.8	ADZ		**55457**		**560.035**	
Golf IV									
1J1	10.97 - 10.00	4	1.8	AGN		**56219**			
	10.97 - 05.03	4	1.8	AGU		**56219**			
	10.97 - 05.04	4	1.6	AKL		**56219**			
	01.98 - 05.04	4	1.6	AEH		**56219**			
1E7	04.98 - 12.01	4	2.0	AGG		**55457**		**560.035**	
1J1	08.98 - 05.04	4	2.0	APK		**56219**			
	12.98 - 09.00	4	2.0	AEG		**54316**			
	09.00 - 05.04	4	1.6	AVU		**56219**			
	07.03 - 02.04	4	2.0	APK		**56219**			
1J1	10.03 - 05.04	6	3.2	BML		**55457**		**560.035**	
Golf V									
1K1	10.03 - 02.06	4	1.9	BKC				**574.035**	

◀ VW

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
1K1	10.03 - 11.08	4	2.0	BKD				**574.035**	
	01.04 - 05.05	4	1.6	BGU		**55066**			
	08.04 - 11.05	4	2.0	BLX		**56219**			
	09.04 - 11.05	4	2.0	AXX <TFSI>				**574.035**	
	12.04 - 11.08	4	2.0	BMM				**574.035**	
	05.05 - 07.07	4	1.6	BGU		**55457**		**560.035**	
	11.05 - 05.07	6	3.2	BUB		**58014**			
	11.05 - 11.08	4	1.4	BLG		**55066**			
			2.0	BMN				**574.035**	
				BVY		**56219**			
	02.06 - 11.08	4	1.9	BXE				**574.035**	
1K5	05.07 - 03.09	4	2.0	BWA <TFSI>				**574.035**	
Golf VI									
5K1	10.08 - 11.09	4	2.0	CBAB <D91>		**56219**			
	10.08 - 11.12	4	1.4	CAVD <D4L>				**574.035**	
				CAXA <D4X>	SSJ				**DIN LN3**
					SSN			**574.035**	
	12.08 - 11.12	4	1.6	CAYC <D38>	BWD,SSJ				**DIN LN3**
					SSN	**56219**			
	05.09 - 11.12	4	1.2	CBZB <DB0>	BWD,SSJ				**DIN LN3**
	11.09 - 11.12	4	2.0	CFFB <D91>		**56219**			
Golf VI GTD									
5K1	11.09 - 11.12	4	2.0	CFGB <D93>		**56219**			
Golf VI GTI									
5K1	04.09 - 11.12	4	2.0	CCZB <D2D>				**574.035**	
Golf VI R									
5K1	11.09 - 11.12	4	2.0	CDLC <D81>				**574.035**	
Golf VI Variant									
AJ5	07.09 - 09.10	4	2.0	CBDA <D91>		**56219**			
	07.09→	4	1.6	CAYC <D38>	SSJ				**DIN LN3**
					SSN	**56219**			
			2.0	CFHC <D91>		**56219**			
Jetta									
1K2	08.05 - 11.05	4	2.0	BLR		**56219**			
	08.05 - 06.08	4	2.0	BKD				**574.035**	
	09.05 - 10.10	4	2.0	BWA <D2L>		**56219**			
	10.05 - 11.05	4	2.0	BLY		**56219**			
	10.05 - 06.08	4	2.0	BMM				**574.035**	
1K6	03.06→	4	2.0	AXX; BKD; BVX				**574.035**	
Jetta V									
1K6	03.06→	4	2.0	BVZ				**574.035**	
LT									
2D, 2H	05.99 - 04.06	5	2.5	ANJ			**60038**		
	02.02 - 04.06	4	2.8	AUH		**58014**			
Multivan									
7H	02.03 - 11.09	5	2.5	AXE			**60038**		
	05.03 - 11.09	6	3.2	BKK				**574.035**	
	07.04 - 11.09	5	2.5	AXE			**60038**		
		6	3.2	BKK				**574.035**	
New Beetle									
1C1, 9C1	01.98 - 10.01	4	2.0	AEG		**55457**		**560.035**	

		Cyl.	CC	Engine Code		S3/S3+	S4	S5	S6
1C1, 9C1	11.98 - 06.05	4	2.0	AQY		**55457**		**560.035**	
	06.00 - 06.04	4	1.8	AWV		**56219**			
	06.00 - 06.05	4	1.6	AYD		**56219**			
	10.00 - 12.10	4	1.8	AWU <MG8>		**56219**			
	06.01 - 09.10	4	2.0	AZJ <MR4>		**56219**			
	06.02 - 12.10	4	1.6	BFS <MW6>		**56219**			
1Y7	01.03 - 06.06	4	2.0	BGD		**56219**			
1C1, 9C1	07.05 - 12.10	4	1.9	BSW <D3W>				**574.035**	
New Beetle Cabriolet									
1Y7	01.03 - 09.10	4	2.0	AZJ <MR4>		**56219**			
Passat									
312,35I,3A2	07.95 - 03.97	4	2.0	AGG		**55457**		**560.035**	
	08.95 - 03.97	6	2.8	AAA		**58014**			
3B2	10.96 - 11.00	4	1.8	AEB		**56219**			
		5	2.3	AGZ		**56318**		**575.035**	
	12.96 - 01.99	4	1.8	ADR		**56219**			
	01.97 - 11.00	6	2.8	ACK		**56318**		**575.035**	
	06.97 - 11.00	5	2.3	AGZ		**56318**		**575.035**	
		6	2.8	ALG		**56318**		**575.035**	
3B5	06.97 - 11.00	6	2.8	ACK; ALG				**574.035**	
	09.97 - 11.00	5	2.3	AGZ				**574.035**	
3B2	08.98 - 11.00	4	1.8	ANB		**56219**			
	01.99 - 11.00	4	1.8	APT; APU		**56219**			
3B5	01.99 - 11.00	4	1.8	ANB; APT; APU		**56219**			
3B2	02.99 - 11.00	4	1.8	ARG		**56219**			
3B5	02.99 - 11.00	4	1.8	ARG		**56219**			
3B3	10.00 - 05.05	4	1.8	AWT		**56219**			
		5	2.3	AZX		**56219**			
		6	2.8	AMX		**56219**			
				BBG		**56219**		**574.035**	
	05.02 - 09.04	8	4.0	BDN		**58014**			
3C2	03.05 - 06.08	4	2.0	BKP; BMR				**574.035**	
3C5	08.05 - 06.08	4	2.0	BKP				**574.035**	
3C2	11.05 - 02.08	4	2.0	BWA		**56219**			
3C5	11.05 - 02.08	4	2.0	BWA		**55066**			
3C2	05.08 - 07.10	4	2.0	CBAB <D91>; CBBB <D93>				**574.035**	
Passat R36									
3C2	04.07 - 07.10	6	3.6	BWS <D34>				**574.035**	
Passat Variant 4Motion									
3C5	11.05 - 11.10	6	3.2	AXZ <D6F>			**60038**		
Passat 2.0 TDI									
362	08.10→	4	2.0	CFGB <D93>	SSJ				**DIN LN3**
Passat 2.0 TDI Variant									
365	08.10→	4	2.0	CFGB <D93>	SSJ				**DIN LN3**
Passat 4Motion									
3C2	09.05 - 07.10	6	3.2	AXZ <D6F>				**574.035**	
Polo									
6N1	10.96 - 12.99	4	1.6	AEE		**54316**			
6N2	01.99 - 09.01	4	1.4	AHW		**56219**			
9N1	09.01 - 05.04	4	1.4	BBY		**55066**			
	06.03→	4	1.6	BCD <EA113>		**56219**			
9N2	07.03 - 05.07	4	1.4	BBY		**55066**			
9N3	04.05 - 05.07	4	1.4	BBZ		**55066**			
	04.05 - 12.09	4	1.9	AXR				**574.035**	

◀ VW

		Cyl.	cc	Engine Code		S3/S3+	S4	S5	S6
9N3	05.06 - 12.09	4	1.4	BUD		**55066**			
			1.6	BTS		**55066**			
	08.06→	4	1.6	BAH <EA111>		**54316**			
6R1	06.09→	4	1.2	CBZB <DB0>	SSJ				**DIN LN3**
			1.4	CGGB <D22>	SSJ				**DIN LN3**
			1.6	CAYB <D36>	BWD,SSJ				**DIN LN3**
Polo GTI									
9N3	09.05 - 11.09	4	1.8	BJX				**574.035**	
6R1	05.10 - 09.12	4	1.4	CAVE <D32>	SSJ				**DIN LN3**
Scirocco R									
137	11.09→	4	2.0	CDLC <D81>		**56219**			
Tiguan 4Motion									
5N1	11.07 - 11.09	4	2.0	CAWB <D2L>		**56219**			
	11.07 - 05.11	4	2.0	CBAB <D91>				**574.035**	
	03.08 - 11.09	4	2.0	CAWA <D6G>		**56219**			
	11.09 - 05.11	4	2.0	CCZA <D2L>; CCZC <D6G>		**56219**			
Touareg									
7LA	11.02 - 05.04	6	3.2	AZZ		**58014**			
	11.02 - 11.06	10	5.0	AYH			**60038**		
	12.02 - 11.06	8	4.2	AXQ			**60038**		
	01.03 - 11.06	5	2.5	BAC			**60038**		
	04.03 - 11.06	8	4.2	BHX			**60038**		
	05.04 - 11.06	6	3.2	BMV		**58014**			
	11.04 - 11.06	6	3.0	BKS	AGM				**DIN LN5**
		10	5.0	BLE			**60038**		
	08.05 - 11.06	6	3.6	BHK		**58014**			
7L6	12.06 - 05.08	6	3.0	BKS	AGM				**DIN LN5**
	12.06 - 05.10	6	3.6	BHK		**58014**			
		10	5.0	BLE			**60038**		
	01.08 - 05.10	6	3.0	CASC				**574.035**	
Touareg R50									
7L6	08.07 - 05.10	10	5.0	CBWA			**60038**		
Transporter									
70, 7D	09.90 - 05.98	5	2.4	AAB			**60038**		
	09.90 - 06.03	4	2.0	AAC		**55457**		**560.035**	
	11.90 - 12.93	5	2.5	AAF		**56318**		**575.035**	
	11.92 - 09.98	5	2.4	AAB			**60038**		
	01.94 - 10.96	5	2.5	ACU		**56318**		**575.035**	
	01.95 - 06.03	5	2.5	ACV			**60038**		
	08.96 - 06.03	5	2.5	AET		**58014**			
	03.98 - 06.03	5	2.5	ACV			**60038**		
	05.99 - 06.03	5	2.5	AUF			**60038**		
	04.01 - 06.03	5	2.5	AXL; AYC			**60038**		
7H	02.03 - 11.09	5	2.5	AXD; AXE		**58014**			
	04.03 - 11.09	4	1.9	AXB; AXC		**58014**			
7J	04.03 - 11.09	4	1.9	AXB		**58014**			
		5	2.5	AXD			**60038**		
7H	05.03 - 11.09	6	3.2	BKK				**574.035**	
	06.03 - 11.09	4	2.0	AXA <MOR>		**56219**			
7J	01.04 - 11.09	5	2.5	AXE			**60038**		
7H	07.04 - 11.09	5	2.5	AXD		**58014**			
				AXE			**60038**		
7J	07.04 - 11.09	5	2.5	AXD; AXE			**60038**		
	06.06 - 11.09	4	1.9	BRS		**56219**			
Vento									
1H2	07.95 - 03.97	4	2.0	AGG		**56219**			

Special cases



AG	For vehicles with automatic transmission
AGM	Only use AGM (Absorbent Glass Mat) battery for this vehicle
BWD	Attention: Battery replacement must be entered in control unit with diagnostic tester, e.g. KTS Series.
GS	For vehicles with manual transmission
SCR	Hatchback
SED	For SEDAN model
SSJ	For vehicles with Start-Stop function
SSN	For vehicles without Start-Stop function
TW	The product fitted must be identified on the vehicle or engine
ZE	Two required









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