



Powerbox

Battery Application Guide

Car & Light Commercial Vehicle





Welcome to the new



Powerbox Batteries

Application Guide

The range of QH Powerbox batteries have been developed to reflect the changing technology used by the original equipment manufacturers.

This guide includes a fully comprehensive range of application data for Car, Light and Commercial vehicles. Supported by a comprehensive part detail on TecDoc and Autocat+, including dimensions and images.

We also use a wide range of OE data to accurately catalogue parts to ensure customers receive the right battery for their vehicle first time.

We have a commitment to provide quality products with quality customer care.

Quinton Hazell is undeniably the most recognised brand in the aftermarket with a wider range of products and services available.

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Tetrosyl Group Limited



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Powerbox



The range consists of:-

Powerbox

- OE Equivalent – Original Quality spare part
- 3 Year warranty
- Maintenance free
- Diesel approved
- Heavy duty performance
- Increased shelf and service life
- Long life
- Extra power
- 97% Car Parc Coverage
- Integral carrying handle for ease of installation





Powerbox *Extra*

- OE Equivalent – Original Quality spare part
- 5 year warranty
- 30% extra power
- Superior reserve capacity
- Sealed maintenance free
- Long life +
- Diesel recommended
- Super heavy duty performance
- Increased shelf and service life
- State of charge indicator
- 85% Car Parc Coverage
- Integral carrying handle for ease of installation





Powerbox



*Start Stop
technology*



- OE Equivalent – Original Quality spare part
- 3 Year Warranty
- Designed for entry & mid-range start stop vehicles
- ECM (Enhanced Cyclic Mat) technology
- Sealed maintenance free
- Developed for faster charge acceptance
- Manufactured for a deeper depth of discharge
- Excellent starting power at low state of charge
- Super heavy duty performance
- Increased shelf and service life
- Robust design for vibration resistance
- Designed for increased cycling capability
- Integral carrying handle for ease of installation
- **WARNING ! Replace ECM/EFB/AFB or AGM Technology ONLY!**





Powerbox



*Start Stop
technology*



Extra

- OE Equivalent – Original Quality spare part
- 3 Year Warranty
- Designed for all Micro-Hybrid (Start Stop) vehicles
- AGM (Absorbed Glass Mat) Technology
- Sealed maintenance free
- Developed for faster charge acceptance
- Manufactured for maximum depth of discharge
- Excellent starting power at low state of charge
- Super heavy duty performance
- Increased shelf and service life
- Robust design for vibration resistance
- Designed for superior cycling capability
- Integral carrying handle for ease of installation
- **WARNING ! Replace AGM with AGM Technology ONLY!**





Powerbox

- OE Equivalent – Original Quality spare part
- 2 year warranty
- Maintenance free – NOT maintenance impossible!
- Heavy duty performance
- Increased shelf and service life
- Long life
- Extra power
- Thick grid construction = greater reserve capacity & improved cycling
- Interlocking plates = vibration resistance
- Tail lift application





Powerbox



Extra

- OE Equivalent – Original Quality spare part
- 2 year warranty
- Superior reserve capacity
- Maintenance free – NOT maintenance impossible!
- Super heavy duty performance
- Increased shelf and service life
- Long life +
- 30% extra power
- Thick grid construction = greater reserve capacity & improved cycling
- Interlocking plates = vibration resistance
- Tail lift application
- Increased hotel load (In-Cab Equipment)
- High cranking performance in the coldest of climates
- Glass mat separators = improved cyclic performance



What is a Battery?

In simple terms, a battery is a box that stores electrical power and provides this to an application when required.

The components within the battery are constantly undergoing chemical reactions. As with all chemical reactions, they speed up dramatically when the temperature is high and slow right down when it is cold.

On a cold morning it is even more difficult for the car to start because the oil is thicker, the fuel is colder and more electrical equipment is being used = more strain on the battery.

That is why batteries are more likely to fail in winter.

BATTERY SCIENCE

Two dissimilar metals immersed in an acid will produce an electric current called a load. Current flows when loads connect:-

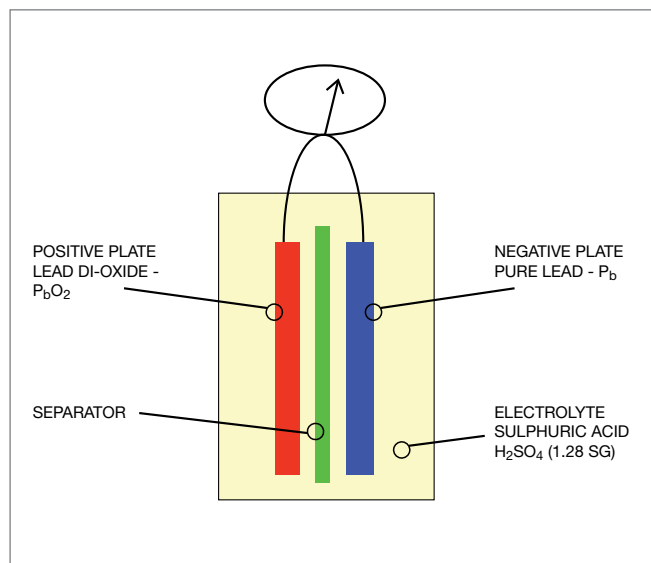


Diagram of basic cell construction

Voltage created = 2.2 volts per cell

- 12 Volt Battery (6 cells)

- 6 Volt Battery (3 cells)

Batteries can look the same on the outside but can be different on the inside. More plates = Larger surface area allowing more chemical reaction = Greater CCA Reading / More power. Thicker Plates = Higher Ah Rating, i.e. improved endurance / slow drain capability.

Components of a Battery

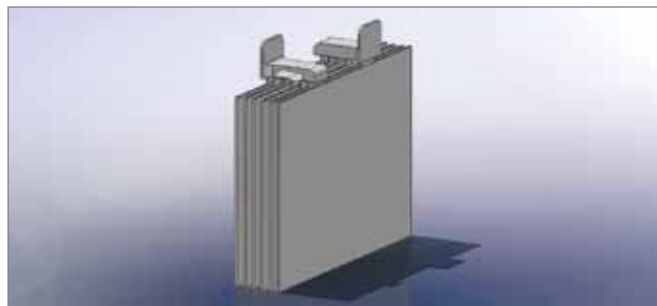
BATTERY SCIENCE

The grids are made of lead. However, pure lead is too soft to handle during the manufacturing process, so another metal is added to make an alloy. Historically, we used to use antimony, now we use calcium in both the positive and negative plate. This is why this technology is sometimes called calcium/calcium. Different alloys give differing performances. Quinton Hazell batteries use the best possible technology that enhances shelf life and resists damage under high temperature use.

Quinton Hazell technology also means that batteries hardly lose any water making them maintenance free.

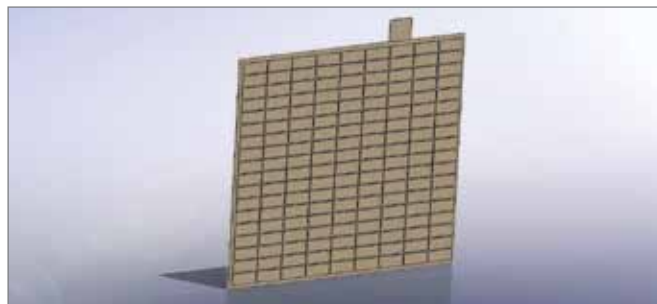
Over the years, technology has changed the way grids are made. Producers used to make gravity cast grids, before they invented continuous casting. Now grids are made by the 'expanded metal' process.

Quinton Hazell Leisure Batteries use thicker plates to aid in the cyclic performance, i.e. power for a sustained period of time, opposed to the surge of power required to start a vehicle.



PLATES

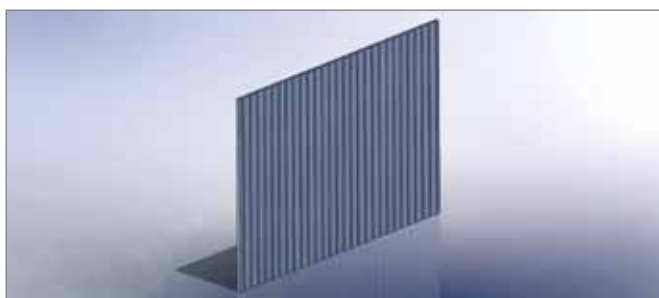
These are grids when they have been covered with active material. Lead dioxide is applied to the positive plate, and 'spongy' lead applied to the negative plate.



SEPARATORS

To avoid any short circuits, separators are used between the plates, insulating each plate from its neighbour, but allowing the current and electrolyte to flow throughout the battery.

Historically, leaf separators used to be fitted as standard, now it is envelope separators that are used. These have the added benefit of keeping the material that has fallen from the plate away from the grid at the bottom of the battery. In the past, manufacturers used to have a 'mud space' to collect this material. Now, with envelope separation, they can use this space for increased plate area, resulting in more power from the same box. Quinton Hazell Batteries use the latest envelope separators.



Quinton Hazell Leisure Batteries use envelope separators that have glass wool which improve the cyclic properties of the leisure programme and further reduce shedding from the plates.

ELECTROLYTE

The liquid found inside a standard flooded battery consists of: Distilled Water + Sulphuric Acid (with a specific gravity reading of 1.28).

LEISURE AND MARINE

Batteries for Leisure & Marine use, differ from standard Automotive products with regards to their design and manufacture. A Leisure & Marine battery must have the capability to be deeply discharged and recharged many times (cycles). In theory, a starter battery should never be deeply discharged as any current used to start the engine is immediately replenished, by the alternator, as soon as the vehicle is running.

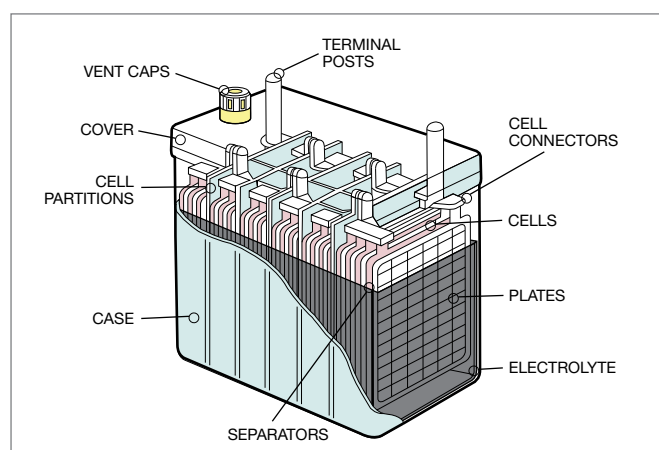
CCA

Cold Cranking Amps is the power the battery can deliver in a very short period of time. There are various methods of rating a battery, all of which have their own set of test criteria based on different temperatures, end point voltage and period of time. Quinton Hazell batteries are tested using the SAE rating.

AH

Ampere hours is a rating that states the electrical power that a new battery is capable of delivering over a given period of time, (usually 20 hours at 27°C).

INTERNAL BUILD UP



Internal battery construction diagram

A starter battery will have a lot more thin plates in each cell. A Leisure & Marine battery will have fewer, but much thicker plates.

A Leisure & Marine battery will also have glass mat separators which reduces paste shedding from the plates. A handle is a definite requirement on all Leisure & Marine products to facilitate multiple handling as required within its service life.

How to Sell the Best

If there is an 'up-sell' opportunity on the battery type that is required, you need to ask the owner of the vehicle some questions to understand their battery requirements based on their driving style.

Ask direct questions that will allow you to evaluate the requirements. Remember:

- Be polite and smile
- Speak slowly and clearly and don't use technical jargon
- Explain yourself and your enquiries in a way that the customer understands
- Listen carefully to the responses
- Keep quiet and don't interrupt
- Ensure you understand what they are saying
- Don't attempt to answer any questions if you're not sure – find the answer out, remember you can always call / email our Customer Services department.

To help, we have created 5 simple questions to aid the 'up sell'.

Is your vehicle engine size over 1.5 ltr?

Do you use chargeable in-car accessories, such as; mobile phones, sat-nav, in car DVD systems or MP3 players?

Do you frequently drive in peak time traffic around towns or cities?

Do you leave your car parked outside overnight?

Would you like to select a battery with optimum guarantee cover included?

If the customer answers YES to one, or more, of the above, the battery best suited to their needs is the QH Powerbox Extra.

It is important to maximise the profit opportunity of each sale. The 'up-sell' generates more profit for you and it is also better value for money for the customer as they have a battery which is matched to their individual needs and will last longer.

The key is to help the customer to understand the impact of their driving style on the battery.

You can use the previous question examples to help the customer to understand why a better battery is necessary.

It is likely that the customer doesn't know where to start when it comes to batteries, so by asking them the right questions, you can help them to make an informed decision.

Up-sell 10 batteries a day to Quinton Hazell Powerbox Extra	Additional £60 profit per day	Additional £360 profit per week	EXTRA £18,720 profit per year
Up-sell 4 batteries a day to Quinton Hazell Powerbox Extra	Additional £24 profit per day	Additional £144 profit per week	EXTRA £7,488 profit per year
Up-sell 1 battery a day to Quinton Hazell Powerbox Extra	Additional £6 profit per day	Additional £36 profit per week	EXTRA £1,872 profit per year

We offer a hassle free, fully compliant waste scheme.

Therefore you can also offer to take the customer's old battery away for them to be re-cycled, reducing their hassle of having to dispose of it.

Testing for Sales

STEPS FOR TESTING FOR SALES

1. Check the current battery is suitable for the vehicle of which it is fitted to, use the Quinton Hazell catalogue if you are unsure.
2. Remove the surface charge by leaving the headlamps on for 30 seconds and leave the battery to stand for 5 minutes.

QUESTIONS, TESTING FOR SALES

1. Is the car vital to you?
2. Is it regularly maintained?
3. Is it kept outdoors?
4. Is it your second car, or partners car?
5. Is it used for short distance journeys?

All of the questions above will help you with the sale of the battery once tested, and also help to sell up more easily to a higher performance battery.

DIGITAL TESTER

By simply taking a few minutes to go through the steps below, digital testing is a quick and easy way to generate sales opportunities.



Step 1 – Application

Select the type of battery you are testing.
e.g. Automotive



Step 2 – Battery Type

Enter the type of battery being tested.
e.g. Regular Flooded



Step 3 – Standard

Choose the appropriate rating standard to match what is specified on the label. e.g. SAE



Step 4 – Rating

Enter the CCA from the label spec.
e.g. 570



Step 5 – Results

The results of the battery test will then be shown on screen. From here, you can print out the results to give to the customer.

If you test every battery on every vehicle your sales volume will increase by around 20%.

SHORTFALLS OF DIGITAL TESTERS

OK for testing for sales, but not designed to verify warranties. This is because it cannot structurally analyse the reasons why a battery has failed, it cannot determine whether it is a manufacturing fault or if it has suffered from service abuse.



CAR & LIGHT COMMERCIAL VEHICLE

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Aixam						
400 0.4	D	2000	2002			QBT0203
500 0.5	P	2000	2005			QBT0203
500 0.5	D	2000	2005			QBT0203
A.751 0.5	P	2005	2010			QBT0203
A.751 0.5	D	2005	2010			QBT0203
Crossline 0.5	P	2007				QBT0203
Mega 0.4	D	2003				QBT0203
Mega 0.5	P	2003	2010			QBT0203
Mega 0.6	D	2003				QBT0203
Mega 0.5	P	2003				QBT0203
Roadline 0.6	D	2009				QBT0203
Scouty 0.5	P	2007				QBT0203

Alpha Romeo						
6 2.5	P	1980	1986			QBT0693
33 1.3, 1.4	P	1983	1987		QBT0635	QBT0633
33 1.5	P	1983	1993		QBT0635	QBT0633
33 1.7	P	1983	1995		QBT0635	QBT0633
75 1.8	P	1986	1989	QBT027AGM	QBT0275	QBT0273
75 2.5	P	1986	1990	QBT027AGM	QBT0275	QBT0273
75 3.0	P	1987	1992	QBT027AGM	QBT0275	QBT0273
90 2.5	P	1985	1987	QBT027AGM	QBT0275	QBT0273
145 1.6, 1.7, 1.8	P	1994	1997			QBT0793
145 2.0	P	1996	1999	QBT027AGM	QBT0275	QBT0273
146 1.6	P	1995	2001			QBT0793
146 1.7	P	1995	2001			QBT0793
146 2.0	P	1995	2001			QBT0793
147 1.6	P	2001	2009			QBT0793
147 1.9	D	2003	2008	QBT096AGM	QBT0965	QBT0963
147 3.2	P	2003	2005	QBT027AGM	QBT0275	QBT0273
155 1.7, 1.8, 2.0	P	1992	2002	QBT027AGM	QBT0275	QBT0273
155 2.5	P	1992	1995	QBT096AGM	QBT0965	QBT0963
156 1.6, 1.7, 1.8, 1.9, 2.0	P	1998	2006	QBT027AGM	QBT0275	QBT0273
156 2.5	P	1998	2003	QBT096AGM	QBT0965	QBT0963
156 1.9, 2.4	D	1999	2006	QBT096AGM	QBT0965	QBT0963
156 3.2	P	2002	2005	QBT096AGM	QBT0965	QBT0963
159 1.8, 1.9, 2.2	P	2006	2011	QBT027AGM	QBT0275	QBT0273
159 3.2	P	2006	2011	QBT096AGM	QBT0965	QBT0963
159 1.9	D	2006	2011	QBT027AGM	QBT0275	
159 2.0	D	2009	2012	QBT096AGM	QBT0965	QBT0963
159 2.4	D	2006	2011	QBT096AGM	QBT0965	QBT0963
164 2.0.3.0	P	1988	1998	QBT027AGM	QBT0275	QBT0273
166 2.0.2.5, 3.0	P	1999	2005	QBT096AGM	QBT0965	QBT0963
8C 4.7	P	2009	2009	QBT096AGM	QBT0965	
Alfasud 1.4, 1.5, 1.7	P	1980	1989			QBT0793
Alfetta 2.0	P	1980	1986			QBT0693
Arna 1.2, 1.4, 1.5	P	1984	1986			QBT0773
Brera 1.7, 2.2, 3.2	P	2006	2011	QBT027AGM	QBT0275	QBT0273
Brera 2.0, 2.4	D	2006	2011	QBT096AGM	QBT0965	QBT0963
Giulietta 1.6, 1.8, 2.0	P	1980	1986			QBT0773
Giulietta 1.4, 1.7	P	2010		QBT027ECM		
Giulietta 1.6, 2.0	D	2010		QBT096ECM		

Alpha Romeo						
GT 1.9	D	2004	2010	QBT027AGM	QBT0275	QBT0273
GT 1.7, 2.0, 3.2	P	2004	2010	QBT027AGM	QBT0275	QBT0273
GTV 2.0	P	1980	1987	QBT027AGM	QBT0275	QBT0273
GTV 2.5	P	1982	1987			QBT0693
GTV 3.0, 3.2	P	1996	2005	QBT096AGM	QBT0965	QBT0963
MiTo 1.2, 1.4	P	2009	2011	QBT027ECM		
MiTo 1.2	D	2009		QBT027ECM		
MiTo 1.6	D	2009		QBT096ECM		
Spider 2.0	P	1990	2003	QBT027AGM	QBT0275	QBT0273
Spider 1.7, 1.8, 2.2	P	2006	2011	QBT027AGM	QBT0275	QBT0273
Spider 3.0, 3.2	P	2001	2005	QBT096AGM	QBT0965	QBT0963
Spider 2.0, 2.4	D	2006	2011	QBT096AGM	QBT0965	QBT0963
Spider 3.2	P	2008	2011	QBT096AGM	QBT0965	QBT0963
SZ 3.0	P	1990	1991	QBT096AGM	QBT0965	QBT0963

Asia Motors						
Rocsta 1.8	P	1994	1997			QBT004L3
Rocsta 2.2	D	1994	1999			QBT2503

Aston Martin						
Cygnat 1.3	P	2011				QBT0793
DB7 3.2	P	1994	1999	QBT096AGM	QBT0965	
DB7 5.9	P	1999	2004	QBT096AGM	QBT0965	
DB7 5.9	P	2004		QBT019AGM	QBT0195	
Lagonda 5.3	P	1980	1990	QBT096AGM	QBT0965	
One-77 7.3	P	2010		QBT019AGM		
Rapide 5.9	P	2010		QBT019AGM		
Vantage/Volante V8 5.3	P	1980	1989			QBT0693
Vantage/Volante V8 5.3	P	1993	2000	QBT019AGM	QBT0195	
Vantage/Volante V8 4.3, 4.7	P	2005		QBT019AGM	QBT0195	
Vantage/Volante V8 5.9	P	2011		QBT019AGM		
Vanquish 5.9	P	2001	2007	QBT019AGM	QBT0195	
Virage 5.3	P	1988	1996			QBT0693
Virage 5.9	P	2011		QBT019AGM		

Audi						
80 1.6	P	1980	1996		QBT0635	QBT0633
80 1.9, 2.0	P	1980	1983		QBT0755	QBT0753
80 1.6	D	1980	1986		QBT1005	QBT1003
80 1.9	D	1992	1996		QBT1005	QBT1003
80 2.0, 2.3, 2.6	P	1988	1992		QBT0755	QBT0753
80 2.8	P	1991	1995		QBT1005	QBT1003
90 2.0	P	1984	1989		QBT0755	QBT0753
90 2.2, 2.3	P	1984	1989		QBT1005	QBT1003
100 1.8, 1.9	P	1980	1994		QBT0755	QBT0753
100 2.0, 2.1, 2.2	P	1980	1994		QBT1005	QBT1003
100 2.0	D	1983	1994		QBT1005	QBT1003
200 2.1, 2.2	P	1980	1989		QBT1005	QBT1003
A1 1.2	P	2010		QBT027AGM		
A1 1.6, 2.0	D	2010		QBT096AGM		
A2 1.4, 1.6	P	2000	2005	QBT096AGM	QBT0965	QBT0963
A2 1.4	D	2000	2005	QBT115AGM		QBT1153
A3 1.4	P	2007		QBT096AGM		

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Audi						
A3 1.6	P	1996	2003			QBT0793
A3 1.6	P	2003		QBT027AGM	QBT0275	QBT0273
A3 1.8	P	1996	2003	QBT027AGM	QBT0275	QBT0273
A3 1.8 Quattro	P	1999	2002	QBT096AGM	QBT0965	QBT0963
A3 1.8	P	2007		QBT096AGM		
A3 2.0	P	2003	2007	QBT027AGM	QBT0275	QBT0273
A3 1.9	D	1996	2003	QBT096AGM	QBT0965	QBT0963
A3 1.6	D	2008		QBT096AGM		
A3 2.0	D	2005	2008	QBT096AGM	QBT0965	QBT0963
A3 2.0	D	2008	2012	QBT096AGM	QBT0965	
A3 3.2 Quattro	P	2003	2008	QBT115AGM		QBT1103
A4 1.6, 1.8	P	1995	2006	QBT027AGM	QBT0275	QBT0273
A4 1.8	P	2006	2011	QBT027AGM	QBT0275	QBT0273
A4 1.9, 2.5	D	1995	2006	QBT096AGM	QBT0965	QBT0963
A4 2.0	P	2000	2004	QBT027AGM	QBT0275	QBT0273
A4 2.0	P	2004	2011	QBT096AGM	QBT0965	QBT0963
A4 2.0	D	2006	2011	QBT096AGM	QBT0965	QBT0963
A4 2.4, 2.6, 2.8	P	1995	2001	QBT096AGM	QBT0965	QBT0963
A4 3.0	P	2000	2004	QBT096AGM	QBT0965	QBT0963
A4 3.1, 3.2	P	2006	2012	QBT019AGM	QBT0195	QBT0193
A4 2.7, 3.0	D	2006	2012	QBT019AGM	QBT0195	QBT0193
A5 1.8, 2.0	P	2008		QBT019AGM or QBT115AGM		
A5 3.2 Quattro	P	2008		QBT019AGM or QBT115AGM		
A5 2.0	D	2009	2012	QBT019AGM or QBT115AGM		
A5 2.7, 3.0	D	2009	2012	QBT019AGM		
A5 3.2	P	2009	2012	QBT019AGM	QBT0195	QBT0193
A6 1.8, 2.0	P	1994	2005	QBT027AGM	QBT0275	QBT0273
A6 2.0	P	2005		QBT096AGM	QBT0965	QBT0963
A6 1.9	D	1995	2001	QBT096AGM	QBT0965	QBT0963
A6 2.4	P	1997	2009	QBT096AGM	QBT0965	QBT0963
A6 2.5	D	1994	2005	QBT019AGM	QBT0195	QBT0193
A6 2.6	P	1994	1997	QBT096AGM	QBT0965	QBT0963
A6 2.7	P	1999	2003	QBT096AGM	QBT0965	QBT0963
A6 2.7	D	2004	2012			QBT0203
A6 2.8	P	1995	2008	QBT096AGM	QBT0965	QBT0963
A6 2.8	P	2008	2012	QBT115AGM		QBT1153
A6 3.0	P	2001	2012	QBT096AGM	QBT0965	QBT0963
A6 3.0 Quattro	P			QBT115AGM		QBT1153
A6 3.0	D	2004	2011			QBT0203
A6 3.0	D	2011		QBT115AGM		
A7 3.0	P	2010				QBT0203
A7 3.0	D	2010				QBT0203
A8 2.8, 3.7, 4.2	P	1994	2003	QBT019AGM	QBT0195	QBT0193
A8 2.8	P	2007	2010	QBT019AGM	QBT0195	QBT0193
A8 3.7, 4.2 Quattro	P	2003	2006			QBT0203
A8 3.9	P	2003	2006			QBT0203
A8 3.0, 3.1	P	2004		QBT019AGM	QBT0195	QBT0193
A8 3.0, 3.9, 4.1	D	2004				QBT0203
A8 4.0	P	2012				QBT0203
A8 4.2	P	2004				QBT0203

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
A8 6.0, 6.3	P	2004	2010			QBT0203
Audi						
Allroad 2.5	D	2000	2005	QBT019AGM	QBT0195	QBT0193
Allroad 2.7	P	2000	2005	QBT096AGM	QBT0965	QBT0963
Allroad 2.7, 3.0	D	2006	2009	QBT019AGM	QBT0195	QBT0193
Allroad 4.2	P	2003	2005	QBT019AGM	QBT0195	QBT0193
Allroad 3.0, 3.1, 3.2	P	2007	2009	QBT096AGM	QBT0965	QBT0963
Allroad 4.2	P	2007	2009	QBT019AGM	QBT0195	
Cabriolet 1.8, 2.0, 2.3, 2, 2.8	P	1992	2000		QBT1005	QBT1003
Convertible 1.8, 2.6, 2.8	P	1997	1999	QBT096AGM	QBT0965	QBT0963
Coupe 1.9, 2.0, 2.1, 2.2, 2.3, 2.6, 2.8	P	1981	1996	QBT027AGM	QBT0275	QBT0273
Q5 2.0, 3.0, 3.2	P	2008	2012	QBT115AGM		QBT1153
Q7 3.0	P	2006		QBT019AGM		
Q5 2.0, 3.0	D	2008	2012	QBT115AGM		QBT1153
Q7 3.6, 4.2	P	2006	2010	QBT019AGM	QBT0195	QBT0193
Q7 3.0, 4.0	D	2006	2012	QBT019AGM	QBT0195	QBT0193
Q7 4.1	D	2007		QBT019AGM		
Q7 5.9	D	2009		QBT019AGM		
R8 4.2, 5.2	P	2007		QBT019AGM		
RS2 2.2	P	1994	1995		QBT1005	QBT1003
RS3 2.5	P	2011		QBT115AGM		
RS4 2.7	P	2000	2001	QBT019AGM	QBT0195	QBT0193
RS6 4.2, 5.0	P	2002	2011			QBT0203
S2 2.2	P	1993	1995		QBT0965	QBT0963
S3 1.8	P	1999	2003		QBT0965	QBT0963
S3 2.0	P	2006	2013	QBT096AGM	QBT0965	QBT0963
S4 2.7	P	1998	2001	QBT096AGM	QBT0965	QBT0963
S4 3.0	P	2009	2012	QBT115AGM		
S4 4.2	P	2003	2010			QBT0203
S5 3.0	P	2009		QBT115AGM		
S5 4.2	P	2007	2012			QBT0203
S6 2.2	P	1994	1997	QBT096AGM	QBT0965	QBT0963
S6 4.2, 5.2	P	1999	2012			QBT0203
TT 1.8	P	1999	2006	QBT027AGM	QBT0275	QBT0273
TT 1.8	P	2008	2011	QBT027AGM	QBT0275	QBT0273
TT 2.0	P	2006	2010	QBT115AGM		QBT1153
TT 2.0	P	2008	2010	QBT115AGM		QBT1153
TT 2.0	P	2010				QBT1153
TT 2.0	D	2008		QBT115AGM		QBT1153
TT 2.5	P	2009	2012	QBT096AGM	QBT0965	QBT0963
TT 3.2	P	2003	2006	QBT027AGM	QBT0275	QBT0273
TT 3.2	P	2006	2010	QBT096AGM	QBT0965	
V8 3.6, 4.2	P	1990	1993	QBT019AGM	QBT0195	QBT0193
Bentley						
Arnage 4.4, 6.8	P	1998	2010			QBT0723
Azure 6.8	P	1995	2010			QBT0723
Brooklands 6.8	P	1992	1999			QBT0723
Brooklands 6.8	P	2008		QBT019AGM	QBT0195	
Continental 6.0	P	2003	2010	QBT019AGM	QBT0195	
Continental 6.0	P	2010		QBT019AGM		
Continental 6.8	P	1984	2004			QBT0723

CAR & LIGHT COMMERCIAL VEHICLE

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Bentley						
Mulsanne 6.8	P	1980	1982			QBT0723
Mulsanne 6.8	P	2010		QBT019AGM		
T Series 6.8	P	1980	1981			QBT0723
Turbo 6.8	P	1985	1998			QBT0723

BMW						
1 Series 116, 120 E87	P	2004	2007	QBT115AGM		QBT1153
1 Series 116, 118, 130 E87	D	2005	2009	QBT096AGM		
1 Series 116 E81	P	2007	2009			QBT0793
1 Series 118 E87	P	2007	2012	QBT096AGM		
1 Series 118, 120 E81	P	2007	2012	QBT027AGM	QBT0275	QBT0273
1 Series 118, 120, 123 E81	D	2007	2012	QBT115AGM		
1 Series 120, 123 E82	D	2007	2012	QBT115AGM		
1 Series 118, 120, 123 E87	D	2007	2012	QBT115AGM		
1 Series 130 E87	P	2007	2010	QBT096AGM		
1 Series 130 E81	P	2007	2010	QBT027AGM	QBT0275	QBT0273
1 Series 118, 120, 135 E88	P	2007		QBT096AGM		
1 Series 118, 120, 123 E88	D	2008		QBT115AGM		
1 Series 116, 125, 135 E87	P	2009		QBT096AGM		
1 Series 116 E81	P	2009		QBT027AGM	QBT0275	QBT0273
1 Series 120 E82	P	2009		QBT096AGM		
1 Series 116 E87	D	2009	2012	QBT115AGM		
1 Series 116 E81	D	2009	2012	QBT115AGM		
1 Series 118 E82	D	2009		QBT115AGM		
1 Series 116, 118, 125 F20	P	2011		QBT096AGM		
1 Series 116, 118, 120, 125, F20	D	2011		QBT115AGM		
1 Series 114, 116 F21	P	2012		QBT096AGM		
1 Series M Coupe E82	P	2012		QBT115AGM		
1 Series 116 F20	D	2012		QBT115AGM		
1 Series 116 F21	D	2012		QBT115AGM		
1 Series 125 F21	P	2012		QBT096AGM		
1 Series 116 F21	D	2012		QBT115AGM		
1 Series 118 F21	D	2012		QBT115AGM		
1 Series 125 F21	D	2012		QBT115AGM		
3 Series 316, 320 E21	P	1980	1983			QBT0793
3 Series 316 E30	P	1983	1991			QBT0793
3 Series 318, 320 E30	P	1983	1987		QBT0755	QBT0753
3 Series 323 E30	P	1983	1983	QBT096AGM	QBT0965	QBT0963
3 Series 323 E30	P	1983	1985	QBT096AGM	QBT0965	QBT0963
3 Series 316, 320 E30	P	1984	1987		QBT0755	QBT0753
3 Series 325 E30	P	1985	1991	QBT096AGM	QBT0965	QBT0963
3 Series 318, 320 E30	P	1987	1993		QBT0755	QBT0753
3 Series M3 E30	P	1987	1989	QBT096AGM	QBT0965	QBT0963
3 Series 316 E30	P	1988	1991		QBT0755	QBT0753
3 Series 320 E30	P	1988	1991		QBT0755	QBT0753
3 Series 325 E30	P	1988	1993	QBT096AGM	QBT0965	QBT0963
3 Series 318 E30	P	1989	1994		QBT0755	QBT0753
3 Series M3 E30	P	1989	1990	QBT096AGM	QBT0965	QBT0963
3 Series 318 E30	P	1990	1991		QBT0755	QBT0753
3 Series M3 E30	P	1990	1990	QBT096AGM	QBT0965	QBT0963
3 Series 316, 318, 320 E30	P	1991	1994		QBT0755	QBT0753

BMW						
3 Series 316, 318, 320 E36	P	1991	1998		QBT0755	QBT0753
3 Series 325 E36	P	1991	1995	QBT096AGM	QBT0965	QBT0963
3 Series 325 E36	D	1993	1997		QBT0175	QBT0173
3 Series M3 E36	P	1993	1995	QBT096AGM	QBT0965	QBT0963
3 Series 316, 318, 320 E36	P	1994	2000		QBT0755	QBT0753
3 Series M3 E36	P	1994	1995	QBT096AGM	QBT0965	QBT0963
3 Series 318 E36	D	1995	2001	QBT115AGM		QBT1153
3 Series 320 E36	P	1995	1997		QBT0755	QBT0753
3 Series 323, 328 E36	P	1995	2000	QBT096AGM	QBT0965	QBT0963
3 Series 318 E36	P	1996	2001		QBT0755	QBT0753
3 Series 323 E36	P	1996	1998	QBT096AGM	QBT0965	QBT0963
3 Series 325 E36	D	1996	1997		QBT0175	QBT0173
3 Series M3 E36	P	1996	2001	QBT096AGM	QBT0965	QBT0963
3 Series 316 E36	P	1997	1999		QBT0755	QBT0753
3 Series 323 E36	P	1997	2000	QBT096AGM	QBT0965	QBT0963
3 Series 325 E36	D	1997	1999		QBT0175	QBT0173
3 Series 318 E46	P	1998	2001		QBT0755	QBT0753
3 Series 318 E36	P	1998	1999		QBT0755	QBT0753
3 Series 323, 328 E46	P	1998	2000	QBT096AGM	QBT0965	QBT0963
3 Series 316 E36	P	1999	2001		QBT0755	QBT0753
3 Series 316, 318 E46	P	1999	2002		QBT0755	QBT0753
3 Series 320 E46	D	1999	2001	QBT115AGM		QBT1153
3 Series 323, 328 E46	P	1999	2000	QBT096AGM	QBT0965	QBT0963
3 Series 330 E46	D	1999	2003	QBT019AGM	QBT0195	QBT0193
3 Series 320, 323, 325 E46	P	2000	2007	QBT096AGM	QBT0965	QBT0963
3 Series 330 E46	D	2000	2003	QBT019AGM	QBT0195	QBT0193
3 Series 330 E46	P	2000	2007	QBT096AGM	QBT0965	QBT0963
3 Series M3 E46	P	2000	2007	QBT096AGM	QBT0965	QBT0963
3 Series 316, 318 E46	P	2001	2007		QBT0755	QBT0753
3 Series 320 E46	D	2001	2005	QBT115AGM		QBT1153
3 Series 325 E46	P	2001	2005	QBT096AGM	QBT0965	QBT0963
3 Series M3 E46	P	2001	2007	QBT096AGM	QBT0965	QBT0963
3 Series 316 E46	P	2002	2005		QBT0755	QBT0753
3 Series 320 E46	D	2003	2007	QBT115AGM		QBT1153
3 Series 330 E46	D	2003	2005	QBT019AGM	QBT0195	QBT0193
3 Series M3 E46	P	2003	2004	QBT096AGM	QBT0965	QBT0963
3 Series 318 E46	D	2004	2005	QBT115AGM		QBT1153
3 Series 330 E46	D	2004	2007	QBT019AGM	QBT0195	QBT0193
3 Series 318, 320 E90	P	2005	2007		QBT0755	QBT0753
3 Series 320 E91	P	2005	2007	QBT096AGM	QBT0965	QBT0963
3 Series 318 E90	D	2005	2007	QBT019AGM	QBT0195	QBT0193
3 Series 320 E46	D	2005	2007	QBT115AGM		QBT1153
3 Series 320 E91	D	2005	2007	QBT019AGM		
3 Series 320 E90	D	2005	2007	QBT019AGM	QBT0195	QBT0193
3 Series 325, 330 E91	P	2005	2007	QBT096AGM	QBT0965	QBT0963
3 Series 325, 330 E90	P	2005	2007	QBT096AGM	QBT0965	QBT0963
3 Series 330 E46	D	2005	2007	QBT019AGM	QBT0195	QBT0193
3 Series 330 E90	D	2005	2008	QBT019AGM	QBT0195	QBT0193
3 Series 330 E91	D	2005	2008	QBT019AGM	QBT0195	QBT0193
3 Series M3 E46	P	2005	2007	QBT096AGM	QBT0965	QBT0963
3 Series 318 E91	P	2006	2007	QBT096AGM	QBT0965	QBT0963

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
From	To					
BMW						
3 Series 320 E90	P	2006	2006		QBT0755	QBT0753
3 Series 318 E91	D	2006	2007	QBT019AGM		
3 Series 325 E92	P	2006	2007	QBT096AGM	QBT0965	QBT0963
3 Series 330, 335 E92	P	2006		QBT019AGM		
3 Series 335 E91	P	2006		QBT019AGM		
3 Series 335 E90	P	2006	2012	QBT019AGM		
3 Series 325 E91	D	2006	2010		QBT0175	QBT0173
3 Series 325 E90	D	2006	2010		QBT0175	QBT0173
3 Series 330 E92	D	2006	2009	QBT019AGM	QBT0195	QBT0193
3 Series 318 E90	P	2007	2012	QBT096AGM		
3 Series 318, 320, 325, 330 E91	P	2007		QBT096AGM		
3 Series 320, 325, 330, 335 E93	P	2007		QBT096AGM		
3 Series 320 ,325 E92	P	2007		QBT096AGM		
3 Series 320, 325, 330 E90	P	2007	2012	QBT019AGM		
3 Series 318, 320, 325 E91	D	2006		QBT019AGM		
3 Series 320, 325 E92	D	2006		QBT019AGM		
3 Series M3 E92	P	2007		QBT096AGM		
3 Series 325, 330, 335 E90	D	2006	2012	QBT019AGM		
3 Series M3 E90	P	2008	2012	QBT096AGM		
3 Series M3 E93	P	2008		QBT096AGM		
3 Series 316, 318, 320 E90	D	2006	2012	QBT019AGM		
3 Series 320, 325, 330 E93	D	2009		QBT019AGM		
3 Series 318 E92	P	2011		QBT096AGM		
3 Series 320, 328 F30	P	2011		QBT096AGM		
3 Series 335 F30	P	2011		QBT096AGM		
3 Series 316, 318, 320 F30	D	2011		QBT019AGM		
5 Series 518 E12	P	1980	1981		QBT0755	QBT0753
5 Series 520, 535, 528 E12	P	1980	1981	QBT096AGM	QBT0965	QBT0963
5 Series M535 E12	P	1980	1981	QBT096AGM	QBT0965	QBT0963
5 Series 518 E28	P	1981	1985		QBT0755	QBT0753
5 Series 520, 535, 528 E28	P	1981	1987	QBT096AGM	QBT0965	QBT0963
5 Series 518 E28	P	1985	1987		QBT0755	QBT0753
5 Series 520, 525, 535 E28	P	1985	1987	QBT096AGM	QBT0965	QBT0963
5 Series M535 E28	P	1985	1987	QBT096AGM	QBT0965	QBT0963
5 Series M5 E28	P	1986	1987	QBT096AGM	QBT0965	QBT0963
5 Series 520, 525 E34	P	1988	1990	QBT096AGM	QBT0965	QBT0963
5 Series 518 E34	P	1988	1996		QBT0755	QBT0753
5 Series 530, 535 E34	P	1988	1996		QBT0175	QBT0173
5 Series 520, 525 E34	P	1990	1996	QBT096AGM	QBT0965	QBT0963
5 Series M5 E34	P	1990	1992	QBT096AGM	QBT0965	QBT0963
5 Series 520, 525 E34	P	1992	1996	QBT096AGM	QBT0965	QBT0963
5 Series M5 E34	P	1992	1995	QBT096AGM	QBT0965	QBT0963
5 Series 525 E34	D	1993	1996		QBT0175	QBT0173
5 Series 530, 540 E34	P	1993	1996		QBT0175	QBT0173
5 Series 518 E34	P	1994	1996		QBT0755	QBT0753
5 Series 520, 523, 528 E39	P	1996	2000	QBT096AGM	QBT0965	QBT0963
5 Series 525, 530 E39	D	1996	2004		QBT0175	QBT0173
5 Series 535, 540 E39	P	1996	2003	QBT019AGM	QBT0195	QBT0193
5 Series 520, 523, 528 E39	P	1997	2000	QBT096AGM	QBT0965	QBT0963

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
From	To					
BMW						
5 Series 540 E39	P	1997	2004	QBT019AGM	QBT0195	QBT0193
5 Series M5 E39	P	1999	2003	QBT019AGM	QBT0195	QBT0193
5 Series 520 E39	P	2000	2004	QBT096AGM	QBT0965	QBT0963
5 Series 525 E39	P	2000	2004	QBT115AGM		QBT1153
5 Series 530, 535 E39	P	2000	2004	QBT019AGM	QBT0195	QBT0193
5 Series 520, 523 E60	P	2003	2007	QBT096AGM	QBT0965	QBT0963
5 Series 525 E60	P	2003	2007	QBT115AGM		QBT1153
5 Series 530, 540, 545, 550 E60	P	2003	2010	QBT019AGM	QBT0195	QBT0193
5 Series 525 E61	P	2004	2007	QBT115AGM		QBT1153
5 Series 525, 530, 535 E60	D	2004	2010		QBT0175	QBT0173
5 Series 520, 535, 530, 535 E61	D	2004	2011		QBT0175	QBT0173
5 Series 530, 545, 550 E61	P	2004	2010	QBT019AGM	QBT0195	QBT0193
5 Series M5 E60	P	2005	2010	QBT019AGM	QBT0195	QBT0193
5 Series 523, 525, 530 E61	P	2007	2011	QBT019AGM		
5 Series 523, 525, 530 E60	P	2007	2010	QBT019AGM		
5 Series M5 E61	P	2007	2011	QBT019AGM		
5 Series 535, 550 F07	P	2009		QBT019AGM		
5 Series 520, 535, 530, 535 F10	D	2010		QBT019AGM		
5 Series 520, 535, 530, 535 F11	D	2010		QBT019AGM		
5 Series 520, 523, 528, 550 F10	P	2010		QBT019AGM		
5 Series 518, 523, 528, 530, 535, 550 F11	P	2010		QBT019AGM		
5 Series ActiveHybrid 5 F10	P	2011		QBT019AGM		
5 Series 530 F10	P	2011		QBT019AGM		
5 Series M5 F10	P	2011		QBT019AGM		
5 Series 520, 535, 530, 535 F07	D	2009		QBT019AGM		
6 Series 628, 633, 635 E24	P	1980	1987	QBT096AGM	QBT0965	QBT0963
6 Series M635 E24	P	1985	1989	QBT096AGM	QBT0965	QBT0963
6 Series 630, 645, 650 E64	P	2004	2011			QBT0203
6 Series 630, 645, 650 E63	P	2004	2011			QBT0203
6 Series M6 E63	P	2005	2011			QBT0203
6 Series M6 E64	P	2006	2011			QBT0203
6 Series 635 E63	D	2007	2011			QBT0203
6 Series 635 E64	D	2007	2011			QBT0203
6 Series 640, 650 F12	P	2011		QBT019AGM		
6 Series 640 F12	D	2011		QBT019AGM		
6 Series 640 F13	D	2011		QBT019AGM		
6 Series 640 F14	D	2012		QBT019AGM		
6 Series M6 F13	P	2012		QBT019AGM		
7 Series 728, 532, 730, 735 E23	P	1980	1986	QBT096AGM	QBT0965	QBT0963
7 Series 730, 735, 740, 750 E32	P	1986	1994		QBT0175	QBT0173
7 Series 728, 730, 735, 740, 750, 760 E38	P	1994	2009	QBT019AGM	QBT0195	QBT0193
7 Series 735, 745 E65	P	2001	2009	QBT019AGM	QBT0195	QBT0193
7 Series 730, 735, 740, 750, 760 E66	P	2002	2009	QBT019AGM	QBT0195	QBT0193
7 Series 730 E65	D	2003	2009	QBT019AGM		
7 Series 730 E66	D	2005	2009	QBT019AGM		
7 Series 740, 750 F01	P	2008		QBT019AGM		
7 Series 740, 750, 760 F02	P	2008		QBT019AGM		
7 Series 730, 740 F01	D	2008		QBT019AGM		
7 Series 730 F02	D	2009		QBT019AGM		

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BMW						
X1 E84	P	2009		QBT115AGM		
X3 E83	D	2004	2007	QBT096AGM	QBT0965	
X3 E83	D	2007	2009	QBT115AGM		
X3 F25	D	2010		QBT115AGM		
X3 E83	P	2004	2008	QBT019AGM	QBT0195	
X3 E83	P	2008	2009	QBT115AGM		
X5 E53	P	2000	2010	QBT019AGM	QBT0195	
X5 E53	D	2001	2006	QBT019AGM	QBT0195	
X5 E70	D	2006	2008	QBT019AGM	QBT0195	
X5 E70	D	2008		QBT019AGM		
X5 E70	P	2008		QBT019AGM		
X6 E71	P	2008		QBT019AGM		
X6 E71	D	2008		QBT019AGM		
Z1 E30/Z1	P	1989	1991		QBT0755	QBT0753
Z3 E36/7	P	1997	2003	QBT096AGM	QBT0965	QBT0963
Z3 E36/8	P	1998	2001	QBT096AGM	QBT0965	QBT0963
Z3 E36/8	P	2001	2003	QBT096AGM or QB-T027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
Z4 E85	P	2003	2009	QBT096AGM or QB-T027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
Z4 E86	P	2006	2009	QBT096AGM or QB-T027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
Z4 E89	P	2009		QBT096AGM		
Z8 E52	P	2000	2003	QBT019AGM	QBT0195	QBT0193

Bristol						
412 5.9	P	1980	1986			QBT0723
603 5.9	P	1980	1982			QBT0723
Beaufighter 5.9	P	1981	1993			QBT0723
Beaufort 5.9	P	1984	1994			QBT0723
Blenheim 5.9	P	2003	2008			QBT0723
Brigand 5.9	P	1982	1993			QBT0723
Britannia 5.9	P	1982	1993			QBT0723
Fighter 8.0	P	2002		QBT019AGM	QBT0195	

Cadillac						
BLS 1.9	D	2006	2010	QBT096AGM	QBT0965	QBT0963
BLS 2.0, 2.8	P	2006	2010	QBT096AGM	QBT0965	QBT0963
CTS 2.8, 3.6	P	2005	2008	QBT096AGM	QBT0965	QBT0963
CTS 3.0	P	2010		QBT096AGM	QBT0965	
CTS 3.6	P	2011		QBT096AGM	QBT0965	
CTS 6.2	P	2008		QBT096AGM	QBT0965	
Escalade 6.0	P	2010		QBT096AGM	QBT0965	
Escalade 6.2	P	2006		QBT096AGM	QBT0965	
Seville 4.6	P	1998	2002	QBT096AGM	QBT0965	QBT0963
SRX 3.6	P	2005	2009	QBT019AGM	QBT0195	QBT0193
SRX 4.6	P	2005	2009	QBT019AGM	QBT0195	QBT0193
STS 3.6	P	2005	2011	QBT019AGM	QBT0195	QBT0193
STS 4.6	P	2005	2010	QBT019AGM	QBT0195	QBT0193
XLR 4.6	P	2005	2008	QBT019AGM	QBT0195	QBT0193
XLR 4.6	P	2005	2008	QH019AGM	QH0195	QH0193

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Chevrolet						
Aveo 1.2, 1.4	P	2008	2012			QBT005R3
Aveo 1.4	P	2012				QBT005R3
Aveo 1.2, 1.3	P	2012		QBT096AGM		
Blazer 4.3	P	1998	2000			QBT0863
Camaro 3.8, 5.7	P	1998	2001			QBT0863
Captiva 2.0	D	2007	2011			QBT0863
Captiva 2.0	D	2008	2011			QBT0863
Captiva 2.2	D	2011				QBT0863
Captiva 2.2	D	2011				QBT0863
Captiva 2.4	P	2007	2011			QBT0783
Corvette 5.7, 6.0, 6.2, 7.0	P	1998	2010			QBT0863
Cruze 1.6, 1.8	P	2009	2011			QBT0863
Cruze 1.7, 2.0	D	2009	2011			QBT0863
Epica 2.0	P	2008	2010			QBT0313
Epica 2.0	D	2008	2010			QBT0313
Kalos 1.2, 1.4	P	2005	2008			QBT005R3 or QBT0273 or QBT0783
Lacetti 1.4, 1.6, 1.8	P	2005	2011			QBT005R3
Matiz 0.8, 1.0	P	2005				QBT0543
Spark 1.0, 1.2	P	2009				QBT0543
Tacuma 1.6, 1.8	P	2005	2009			QBT0863

Chrysler						
300 3.5	P	2005	2008	QBT115AGM		QBT1153
300 3.0	D	2006		QBT019AGM	QBT0195	QBT0193
300 5.7	P	2005	2007	QBT115AGM		QBT1153
300 6.1	P	2007	2010	QBT115AGM		QBT1153
Crossfire 3.2	P	2003	2008	QBT096AGM	QBT0965	QBT0963
Neon 1.8, 2.0	P	1996	2004			QBT0793
PT Cruiser 2.0	P	2000	2004			RT-S4.2
PT Cruiser 2.1	D	2002				RT-S4.2
PT Cruiser 2.4	P	2004	2008			QBT1133
Sebring 2.0,2.4, 2.7	P	2001	2010			QBT1113
Sebring 2.0	D	2007	2010			RT-S4.2
Voyager 2.0	P	1997	2001			QBT0863
Voyager 2.4	P	2001	2008			QBT0863
Voyager 2.5	D	1998	2001			QBT0863
Grand Voyager 2.5	D	1998	2001			QBT0863
Voyager 2.5	D	2001	2008	QBT115AGM		QBT1153
Grand Voyager 2.5	D	2001	2008	QBT115AGM		QBT1153
Voyager 2.8	D	2004				YT-S5.5
Grand Voyager 2.8	D	2004				YT-S5.5
Voyager 3.3	P	1997	2007			QBT0863
Grand Voyager 3.3	P	1997	2007			QBT0863
Voyager 3.8	P	2007				QBT0863
Grand Voyager 3.8	P	2007				QBT0863

Citroen						
2CV 0.4, 0.6	P	1970	1990		QBT0635	QBT0633
AX 1.0, 1.1, 1.4	P	1987	1997		QBT0635	QBT0633
AX 1.4, 1.5	D	1989	1997	QBT027AGM	QBT0275	QBT0273

Model & Engine Size	Fuel	Year From To		SS Extra / SS	Powerbox Extra	Powerbox
Citroen						
Berlingo 1.4, 1.6, 1.8	P	1998	2010	QBT027AGM	QBT0275	QBT0273
Berlingo 1.9, 2.0	D	1999	2010	QBT096AGM	QBT0965	QBT0963
BX 1.4, 1.6	P	1983	1992			QBT0793
BX 1.9	P	1984	1992			QBT0793
BX 1.8, 1.9	D	1984	1993	QBT027AGM	QBT0275	QBT0273
C1 1.0	P	2005	2012			QBT2023
C1 1.0	P	2012		QBT027ECM		
C1 1.4	D	2012		QBT027ECM		
C2 1.1, 1.4, 1.6	P	2003	2010			QBT2023
C2 1.4, 1.6	D	2003	2010	QBT027AGM	QBT0275	QBT0273
C3 1.0, 1.2	P	2012		QBT027AGM		QBT0793
C3 1.1, 1.4	P	2002	2010			QBT0793
C3 Picasso 1.0, 1.2	P	2012		QBT027AGM		QBT0793
C3 Picasso 1.1, 1.4	P	2002	2010			QBT0793
C3 1.4, 1.6	D	2002	2010	QBT027AGM	QBT0275	QBT0273
C3 Picasso 1.4, 1.6	D	2002	2010	QBT027AGM	QBT0275	QBT0273
C3 1.1, 1.4, 1.6	P	2010		QBT096AGM	QBT0965	QBT0963
C3 Picasso 1.1, 1.4, 1.6	P	2010		QBT096AGM	QBT0965	QBT0963
C3 1.4, 1.6	D	2010		QBT096AGM	QBT0965	QBT0963
C3 Picasso 1.4, 1.6	D	2010		QBT096AGM	QBT0965	QBT0963
C4 1.4, 1.6	P	2004	2010			QBT0793
C4 Picasso 1.4, 1.6	P	2004	2010			QBT0793
C4 1.6, 2.0	D	2004	2010	QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.6, 2.0	D	2004	2010	QBT027AGM	QBT0275	QBT0273
C4 1.7, 2.0	P	2004	2011	QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.7, 2.0	P	2004	2011	QBT027AGM	QBT0275	QBT0273
C4 1.6	P	2010		QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.6	P	2010		QBT027AGM	QBT0275	QBT0273
C4 1.6	D	2010		QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.6	D	2010		QBT027AGM	QBT0275	QBT0273
C4 2.0	D	2010		QBT096AGM	QBT0965	QBT0963
C4 Picasso 2.0	D	2010		QBT096AGM	QBT0965	QBT0963
C4 1.4	P	2011				QBT0793
C4 Picasso 1.4	P	2011				QBT0793
C4 1.6	P	2011		QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.6	P	2011		QBT027AGM	QBT0275	QBT0273
C4 1.6	D	2011		QBT027AGM	QBT0275	QBT0273
C4 Picasso 1.6	D	2011		QBT027AGM	QBT0275	QBT0273
C4 2.0	D	2011		QBT096AGM	QBT0965	QBT0963
C4 Picasso 2.0	D	2011		QBT096AGM	QBT0965	QBT0963
C5 1.6	P	2009		QBT027AGM	QBT0275	QBT0273
C5 1.6, 2.0, 2.2	D	2004	2008	QBT096AGM	QBT0965	
C5 1.7, 1.8, 2.0	P	2001	2010	QBT027AGM	QBT0275	QBT0273
C5 2.0, 2.2	D	2001	2007	QBT096AGM	QBT0965	
C5 2.0, 2.2, 2.7	D	2008	2010	QBT096AGM	QBT0965	
C5 2.9, 3.0	P	2001	2007	QBT096AGM	QBT0965	QBT0963
C6 2.2	D	2007	2011	QBT096AGM	QBT0965	
C6 2.7	D	2006	2010	QBT096AGM	QBT0965	
C6 2.9	P	2006	2010	QBT096AGM	QBT0965	
C6 3.0	D	2009		QBT096AGM	QBT0965	
C8 2.0, 2.2	P	2003	2011	QBT096AGM	QBT0965	QBT0963
C8 2.0, 2.2	D	2003	2011	QBT096AGM	QBT0965	QBT0963

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
		From	To			
Citroen						
C15 1.1, 1.4	P	1985	1994			QBT0793
C15 1.8, 1.9	D	1985	2006	QBT027AGM	QBT0275	QBT0273
C25 1.8	P	1987	1992	QBT096AGM	QBT0965	QBT0963
C25 1.9	D	1987	1992	QBT019AGM	QBT0195	QBT0193
C25 2.0	P	1987	1994	QBT096AGM	QBT0965	QBT0963
C25 1.9, 2.5	D	1987	1994	QBT019AGM	QBT0195	QBT0193
C-Crosser 2.2	D	2007				QBT2493
C-Crosser 2.4	P	2008				QBT2493
CX 2.0, 2.3, 2.5	P	1977	1989	QBT027AGM	QBT0275	QBT0273
CX 2.5	D	1978	1989	QBT096AGM	QBT0965	QBT0963
Dispatch 2.0	P	2009	2011		QBT1005	QBT1003
Dispatch 1.6, 1.9, 2.0	D	1996	2011		QBT1005	QBT1003
Dispatch 2.0	P	2011		QBT096AGM	QBT0965	QBT0963
Dispatch 1.6, 2.0	D	2011		QBT096AGM	QBT0965	QBT0963
DS3 1.4, 1.6	P	2009	2010			QBT0793
DS3 1.6	D	2009	2011	QBT027AGM	QBT0275	QBT0273
DS3 1.6	P	2010		QBT027AGM	QBT0275	QBT0273
DS3 1.6	D	2011		QBT096AGM	QBT0965	QBT0963
DS4 1.6	P	2011		QBT096AGM or QBT027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
DS4 1.6, 2.0	D	2011		QBT096AGM	QBT0965	QBT0963
DS5 1.6	P	2011		QBT096AGM or QBT027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
DS5 1.6, 2.0	D	2011		QBT096AGM or QBT027AGM	QBT0965 or QBT0275	QBT0963 or QBT0273
Nemo 1.4	P	2008				QBT0793
Nemo 1.2, 1.3, 1.4	D	2008		QBT027AGM	QBT0275	QBT0273
Relay 2.0	P	2002	2005	QBT027AGM	QBT0275	QBT0273
Relay 2.0, 2.2, 2.8, 3.0	D	2002	2009	QBT019AGM	QBT0195	QBT0193
Relay 2.0, 3.0	D	2009		QBT019AGM	QBT0195	QBT0193
Saxo 1.0, 1.1, 1.4, 1.6, 1.8	P	1996	2004		QBT0635	QBT0633
Saxo 1.5	D	1996	2004	QBT027AGM	QBT0275	QBT0273
Synergie 2.0	P	1995	2000	QBT027AGM	QBT0275	QBT0273
Synergie 1.9, 2.0	D	1999	2002	QBT096AGM	QBT0965	QBT0963
Visa 0.7, 1.1, 1.2, 1.4, 1.6	P	1980	1987		QBT0635	QBT0633
Visa 1.8	D	1985	1988	QBT027AGM	QBT0275	QBT0273
Xantia 1.6, 1.8, 2.0	P	1993	2001			QBT0793
Xantia 1.9, 2.0, 2.1	D	1993	2001	QBT027AGM	QBT0275	QBT0273
Xantia 2.9	P	1997	2000	QBT027AGM	QBT0275	QBT0273
XM 2.0, 3.0	P	1989	2000		QBT0755	QBT0753
XM 2.9	P	1997	2000		QBT0755	QBT0753
XM 2.1, 2.4	D	1990	2000		QBT1005	QBT1003
Xsara 1.4, 1.6	P	1997	2004			QBT0793
Xsara Picasso 1.4, 1.6	P	1997	2004			QBT0793
Xsara 1.4, 1.6	D	2003	2004	QBT027AGM	QBT0275	QBT0273
Xsara Picasso 1.4, 1.6	D	2003	2004	QBT027AGM	QBT0275	QBT0273
Xsara 1.7, 1.8, 2.0	P	1997	2007	QBT027AGM	QBT0275	QBT0273
Xsara Picasso 1.7, 1.8, 2.0	P	1997	2007	QBT027AGM	QBT0275	QBT0273
Xsara 1.9, 2.0	D	1997	2006	QBT096AGM	QBT0965	QBT0963
Xsara Picasso 1.9, 2.0	D	1997	2006	QBT096AGM	QBT0965	QBT0963
ZX 1.4, 1.6, 1.9	P	1991	1998			QBT0793
ZX 1.9	D	1991	1998	QBT027AGM	QBT0275	QBT0273

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Citroen						
Duster 1.4	P	1984	1996			QBT0793
Duster 1.6	D	1989	2011	QBT027AGM	QBT0275	QBT0273
Shifter 1.4	P	1985	1999			QBT0793

Daewoo						
Espero 1.5, 1.8, 2.0	P	1995	1997	QBT027AGM	QBT0275	QBT0273
Kalos 1.2, 1.4	P	2002	2005			QBT005R3
Korando 2.3	P	1999	2002			QBT0313
Korando 2.9	D	1999	2002			QBT2493
Lacetti 1.4, 1.6, 1.8	P	2004	2005			QBT005R3
Lanos 1.3, 1.6	P	1997	2002			QBT005R3 or QBT0273 or QBT0783
Leganza 2.0	P	1997	2002			QBT004L3
Matiz 0.8, 1.0	P	1998	2005			QBT0543 or QBT0553
Musso 2.3	P	1999	2002			QBT2503
Musso 2.9	D	1999	2002			QBT2503
Nexia 1.5	P	1995	1997			QBT005R3
Nubira 1.6, 1.8, 2.0	P	1997	2005			QBT005R3 or QBT0273 or QBT0783
Tacuma 1.6, 1.8, 2.0	P	2000	2005			QBT0863

Daihatsu						
Applause 1.6	P	1990	1996			QBT0443
Charade 1.0	P	1980	1986			QBT0443
Charade 1.0	D	1983	1993			QBT0303
Charade 1.0, 1.3, 1.5, 1.6	P	1989	2008			QBT0443
Charmant 1.3, 1.6	P	1982	1986			QBT0443
Copen 0.7, 1.6	P	2003	2010			QBT0543
Cuore 0.7, 0.8, 1.0	P	1997	2003			QBT0543
Domino 0.5, 0.6, 0.8	P	1981	1988			QBT0543
Extol 1.3	P	2004	2006			QBT0543
Fourtrak 2.0	P	1984	1992			QBT0553
Fourtrak 2.2	P	1992	1993			QBT0553
Fourtrak 2.8	D	1984	2000			QBT2493
Fourtrak 2.2	P	1992	1993			QBT0553
Hijet 0.8, 1.0	P	1985	1998			QBT0543
Hijet 1.2	D	1996	1999	QBT027AGM	QBT0275	QBT0273
Hijet 1.3	P	1998	2004			QBT0543
Materia 1.5	P	2007	2010			QBT0543
Mira 0.8	P	1993	1995			QBT0543
Move 0.8	P	1997	2000			QBT0443
Grand Move 1.5	P	1997	1998			QBT0443
Grand Move 1.6	P	1998	2001			QBT0443
Rocky 1.6	P	1989	1998			QBT0443
Rocky 2.0	P	1984	1992			QBT0443
Rocky 2.2	P	1992	2001			QBT0443
Rocky 2.8	D	1984	2001			QBT2493
Sirion 1.0, 1.3, 1.5	P	1998	2010			QBT0543
Sportrak 1.6	P	1989	1998			QBT0553

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Daihatsu						
Storia 1.0, 1.3	P	1998	2004			QBT0553
Terios 1.3	P	1997	2006			QBT0443
Terios 0.7	P	1998	2002			QBT0543
Terios 1.3	P	2000	2006			QBT0443
Terios 1.5	P	2006	2010			QBT0443
Wildcat 2.8	D	1984	1998			QBT2493
YRV 1.3	P	2001	2005			QBT0543

Dodge						
Avenger 2.0	P	2007	2010			QBT1113
Avenger 2.0	D	2007	2010			RT-S4.2
Avenger 2.4	P	2007	2010			QBT1113
Caliber 1.8, 2.0	P	2006	2010			QBT1113
Caliber 2.0	D	2006	2010			RT-S4.2
Journey 2.0	D	2008	2011			RT-S4.2
Journey 2.4	P	2008	2011			QBT1113
Ram 5.7, 8.3	P	2005	2007			QBT1113
SRT-10 8.3	P	2004	2008	QBT019AGM	QBT0195	QBT0193

Ferrari						
208 2.0	P	1980	1985	QBT096AGM	QBT0965	QBT0963
288 2.9	P	1984	1989	QBT096AGM	QBT0965	QBT0963
328 3.2	P	1985	1989	QBT096AGM	QBT0965	QBT0963
348 3.4	P	1990	1995	QBT096AGM	QBT0965	QBT0963
360 3.6	P	1999	2005	QBT096AGM	QBT0965	QBT0963
400 4.8	P	1980	1985	QBT096AGM	QBT0965	
412 4.9	P	1985	1989	QBT096AGM	QBT0965	
430 4.3	P	2007	2010	QBT096AGM		
456 5.5	P	1994	2004	QBT096AGM	QBT0965	
458 4.5	P	2010		QBT096AGM	QBT0965	QBT0963
512 4.9	P	1980	1997	QBT096AGM	QBT0965	
550 5.5	P	1996	2002	QBT096AGM	QBT0965	
599 6.0	P	2006	2012	QBT019AGM	QBT0195	
612 5.7	P	2004	2011	QBT019AGM	QBT0195	
575M 5.7	P	2002	2006	QBT096AGM	QBT0965	
California 4.3	P	2009		QBT096AGM	QBT0965	
Enzo 6.0	P	2002	2003	QBT096AGM	QBT0965	
F355 3.5	P	1994	1999	QBT096AGM	QBT0965	QBT0963
F40 2.9	P	1988	1992	QBT096AGM	QBT0965	QBT0963
F430 4.3	P	2005	2010	QBT096AGM		
F50 4.7	P	1995	1996	QBT096AGM	QBT0965	QBT0963
FF 6.3	P	2011		QBT019AGM		
GTB 2.0	P	1985	1989	QBT096AGM	QBT0965	QBT0963
Mondial 2.9	P	1981	1989	QBT096AGM	QBT0965	QBT0963
Mondial 3.2	P	1985	1994	QBT096AGM	QBT0965	QBT0963
Mondial 3.4	P	1989	1994	QBT096AGM	QBT0965	QBT0963
Testarossa 4.9	P	1984	1992	QBT096AGM	QBT0965	

Fiat						
500 0.9	P	2010	2011			QBT2023
500 1.2	P	2008		QBT027ECM		
500 1.2	D	2008		QBT096ECM		
500 1.4	P	2008	2011			QBT2023

Model & Engine Size	Fuel	Year From To	SS Extra / SS	Powerbox Extra	Powerbox
Fiat					
500 1.4	P	2011	QBT027ECM		
Barchetta 1.7	P	1995 2005			QBT0793
Brava 1.2	P	1998 2002		QBT0635	QBT0633
Brava 1.4	P	1995 1999		QBT0635	QBT0633
Brava 1.6, 1.7, 2.0	P	1995 2002		QBT0755	QBT0753
Brava 1.9	D	1996 2002	QBT027AGM	QBT0275	QBT0273
Bravo 1.2	P	1998 2002		QBT0635	QBT0633
Bravo 1.4	P	1995 1999		QBT0635	QBT0633
Bravo 1.6, 1.7, 2.0	P	1995 2002		QBT0755	QBT0753
Bravo 1.9	D	1996 2002	QBT027AGM	QBT0275	QBT0273
Cinquecento 0.9, 1.1	P	1993 1998			QBT2023
Citivan 1.1	P	1988 1991			QBT2023
Citivan 1.7	D	1989 1991	QBT027AGM	QBT0275	QBT0273
Coupe 2.0	P	1995 2001		QBT0755	QBT0653
Croma 1.8, 2.0	P	1986 1992			QBT0793
Croma 1.9, 2.4	D	2005 2007	QBT027AGM	QBT0275	QBT0273
Doblo 1.2, 1.4	P	2001 2010			QBT0793
Doblo 1.2	D	2004 2010	QBT027AGM	QBT0275	QBT0273
Doblo 1.2	D	2010	QBT027ECM		
Doblo 1.4	P	2010	QBT027ECM		
Doblo 1.6	D	2010	QBT096ECM		
Doblo 1.9	D	2001 2010	QBT027AGM	QBT0275	QBT0273
Doblo 2.0	P	2010	QBT096ECM		
Ducato 1.8, 2.0, 2.4	P	1986 2005		QBT0755	QBT0753
Ducato 1.9, 2.3, 2.4, 2.5, 3.0, 2.8	D	1986 2012	QBT019AGM	QBT0195	QBT0193
Fiorino 1.0, 1.3, 1.4	P	1985 2008			QBT0793
Fiorino 1.2	D	2010 2012	QBT027AGM	QBT0275	QBT0273
Fiorino 1.7	P	1989 2008	QBT027AGM	QBT0275	QBT0273
Idea 1.2	D	2004 2007	QBT027AGM	QBT0275	QBT0273
Idea 1.4	P	2004 2007			QBT0793
Marea 1.6, 1.7, 2.0	P	1997 2003			QBT0793
Marea 1.9, 2.4	D	1997 2001	QBT027AGM	QBT0275	QBT0273
Multipia 1.6	P	1999 2010	QBT027AGM	QBT0275	QBT0273
Multipia 1.9	D	1999 2011	QBT096AGM	QBT0965	QBT0963
Panda 0.8, 0.9, 1.0, 1.1	P	1981 1995			QBT2023
Panda 0.9	P	2012	QBT027ECM		
Panda 1.1, 1.2	P	2003 2012			QBT2023
Panda 1.2	P	2003			QBT2023
Panda 1.2	D	2005			QBT0793
Panda 1.4	P	2006 2012			QBT0793
Panda 1.2	D	2008 2012			QBT0793
Panda 1.2	D	2012			QBT0793
Punto 0.9	P	2012	QBT027ECM		
Punto 1.1	P	1994 1996			QBT0793
Punto 1.1	P	1996 2001			QBT2023
Punto 1.2	P	1994 2007			QBT2023
Punto Evo 1.2	P	2010	QBT027ECM		
Punto 1.2	D	2003 2010			QBT0793
Punto 1.2	D	2012	QBT027ECM		
Punto Evo 1.2	D	2010	QBT027ECM		
Punto Evo 1.4	P	2010	QBT027ECM		
Punto Evo 1.6	D	2010	QBT096ECM		

Model & Engine Size	Fuel	Year From To	SS Extra / SS	Powerbox Extra	Powerbox
Fiat					
Punto 1.4	P	1994 2007			QBT0793
Punto 1.4	P	2012	QBT027ECM		
Punto 1.6	P	1994 1997			QBT0793
Punto 1.7	P	1999 2007			QBT0793
Punto 1.7	D	1995 2004	QBT027ECM	QBT0275	QBT0273
Punto 1.9	D	1999 2006	QBT027ECM	QBT0275	QBT0273
Grande Punto 1.2, 1.4	P	2006 2011			QBT2023
Grande Punto 1.2	D	2006 2010			QBT0793
Grande Punto 1.4	P	2006 2010			QBT2023
Grande Punto 1.4	P	2010 2010	QBT027ECM		
Grande Punto 1.6, 1.9	D	2006 2010	QBT027ECM	QBT0275	QBT0273
Qubo 1.2	D	2008			QBT0793
Qubo 1.2	D	2010			QBT0793
Qubo 1.4	P	2008			QBT2023
Regata 1.3, 1.5, 1.6	P	1984 1990		QBT0635	QBT0633
Regata 1.9	D	1985 1990		QBT0755	QBT0753
Scudo 1.9, 2.0	D	1996 2010		QBT0755	QBT0753
Sedici 1.6	P	2006 2010			QBT0793
Sedici 1.9, 2.0	D	2006 2012	QBT027ECM	QBT0275	QBT0273
Seicento 0.9, 1.1	P	1998 2000			QBT2023
Stilo 1.2, 1.4	P	2001 2004		QBT0635	QBT0633
Stilo 1.6, 1.7	P	2001 2005	QBT027ECM	QBT0275	QBT0273
Stilo 1.9	D	2001 2007	QBT096ECM	QBT0965	QBT0963
Stilo 2.4	P	2001 2007	QBT027ECM	QBT0275	QBT0273
Strada 1.1, 1.3, 1.5, 1.6, 2.0	P	1980 1987	QBT027ECM	QBT0275	QBT0273
Tempra 1.4, 1.6, 1.8	P	1990 1995			QBT0793
Tempra 1.9	D	1990 1996	QBT096ECM	QBT0965	QBT0963
Tempra 2.0	P	1992 1996	QBT027ECM	QBT0275	QBT0273
Tipo 1.4, 1.6	P	1988 1995		QBT0635	QBT0633
Tipo 1.7, 1.9	D	1988 1995		QBT1005	QBT1003
Tipo 1.8	P	1990 1993		QBT0755	QBT0753
Tipo 1.9	D	1988 1995		QBT1005	QBT1003
Tipo 2.0	P	1992 1995		QBT0755	QBT0753
Ulysse 1.9	D	1995 2000	QBT096ECM	QBT0965	QBT0963
Ulysse 2.0	P	1995 2006	QBT027ECM	QBT0275	QBT0273
Ulysse 2.0, 2.2	D	2000 2006	QBT096ECM	QBT0965	QBT0963
Uno 0.9, 1.0, 1.1, 1.3	P	1983 1992		QBT0635	QBT0633
Uno 1.7	D	1987 1996		QBT0755	QBT0753
X1/9 1.5	P	1980 1989			QBT0773
Ford					
Capri 1.3, 1.6, 2.0	P	1980 1987			QBT0853
Capri 2.8, 3.0	P	1980 1987			QBT0973
C-MAX 1.6	P	2007		QBT0755	QBT0753
C-MAX 1.0, 1.6 EcoBoost	P	2010	QBT027AGM		
C-MAX 1.6	D	2007		QBT1005	QBT1003
C-MAX 1.8	P	2007		QBT0755	QBT0753
C-MAX 1.8	D	2007		QBT1005	QBT1003
C-MAX 2.0	P	2007		QBT0755	QBT0753
C-MAX 2.0	D	2007		QBT1005	QBT1003
Cortina 1.3, 1.6	P	1980 1982			QBT0853
Cortina 2.0, 2.3	P	1980 1982			QBT0973

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Ford						
Courier 1.3	P	1991	1995			QBT0853
Courier 1.3	P	1996	2002		QBT0635	QBT0633
Courier 1.8	D	1991	1995			QBT0973
Courier 1.8	D	1996	2000		QBT0755	QBT0753
Escort MK 1 1.1, 1.3, 1.6, 2.0	P	1968	1975			QBT0373
Escort MK 2 1.1, 1.3, 1.6, 1.8	P	1975	1980			QBT0853
Escort MK 2 2.0	P	1975	1980			QBT0973
Escort MK 3 1.1, 1.3, 1.6	P	1980	1986			QBT0853
Escort MK 3 1.6	D	1980	1986			QBT0973
Escort MK 4 1.1, 1.3, 1.4, 1.6	P	1986	1991			QBT0853
Escort MK 4 1.6, 1.8	D	1986	1991			QBT0973
Escort MK 4 1.6	D	1986	1991			QBT0973
Escort MK 5 1.3, 1.4	P	1990	1992			QBT0853
Escort MK 5 1.6	P	1990	1992			QBT0973
Escort MK 5 1.8	D	1990	1992			QBT0973
Escort MK 6 1.3, 1.4	P	1992	1995			QBT0853
Escort MK 6 1.6, 1.8	P	1992	1995			QBT0973
Escort MK 6 1.8	D	1992	1995			QBT0973
Escort MK 6 2.0	P	1992	1995			QBT0973
Escort MK 7 1.3, 1.4	P	1995	2000		QBT0635	QBT0633
Escort MK 7 1.6, 1.8, 2.0	P	1995	2000		QBT0755	QBT0753
Explorer 4.0	P	1997	2002			QBT0863
Fiesta MK 1 1.0, 1.3, 1.6	P	1977	1983			QBT0853
Fiesta MK 2 1.0, 1.3, 1.4, 1.6	P	1983	1989			QBT0853
Fiesta MK 2 1.6	D	1983	1989			QBT0973
Fiesta MK 3 1.0, 1.1, 1.4, 1.6, 1.8	P	1989	1995			QBT0853
Fiesta MK 3 1.8	D	1989	1995			QBT0973
Fiesta MK 4 1.3, 1.4, 1.6	P	1995	1999		QBT0635	QBT0633
Fiesta MK 4 1.8	D	1995	1999		QBT0755	QBT0753
Fiesta MK 5 1.2, 1.3, 1.4, 1.6	P	1999	2002		QBT0635	QBT0633
Fiesta MK 5 1.8	D	1999	2002		QBT0755	QBT0753
Fiesta MK 6 1.3, 1.4, 1.6	P	2002	2009		QBT0635	QBT0633
Fiesta MK 6 1.4, 1.6	D	2002	2009		QBT0755	QBT0753
Fiesta MK 6 2.0	P	2002	2009		QBT0755	QBT0753
Fiesta MK 7 1.2, 1.4, 1.6	P	2008			QBT0635	QBT0633
Fiesta MK 7 1.4, 1.6	D	2008			QBT0755	QBT0753
Fiesta MK 7 1.6 Econetic	D	2008		QBT027AGM		
Focus MK 1 1.4	P	1998	2005		QBT0635	QBT0633
Focus MK 1 1.6, 1.8, 2.0	P	1998	2005		QBT0755	QBT0753
Focus MK 1 1.8	D	1998	2005		QBT1005	QBT1003
Focus MK 1 2.0	D	1998	2005			QBT1103
Focus MK 1 2.0	P	1998	2005		QBT0755	QBT0753
Focus MK 1 1.8, 2.0	D	2003	2005		QBT1005	QBT1003
Focus MK 2 1.6 Econetic	D	2005	2011	QBT027AGM		
Focus MK 3 1.0	P	2012			QBT0635	QBT0633
Focus MK 3 1.0 EcoBoost	P	2011		QBT027AGM		
Focus MK 3 1.6, 2.0	P	2011			QBT0755	QBT0753

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Ford						
Focus MK 3 1.6 EcoBoost	P	2012		QBT027AGM		
Focus MK 3 1.6, 2.0	D	2011			QBT1005	QBT1003
Focus MK 3 2.0	P	2012			QBT1005	QBT1003
Fusion 1.4, 1.6	P	2002			QBT0635	QBT0633
Fusion 1.4, 1.6	D	2002	2011		QBT1005	QBT1003
Fusion 1.6	D	2004	2011		QBT1005	QBT1003
Galaxy MK 1 1.9	D	1995	2000	QBT019AGM	QBT0195	QBT0193
Galaxy MK 1 2.0	P	1995	1999		QBT0755	QBT0753
Galaxy MK 1 2.3	P	1997	2000		QBT1005	QBT1003
Galaxy MK 2 1.9	D	2000	2006	QBT019AGM	QBT0195	QBT0193
Galaxy MK 2 2.3, 2.8	P	2000	2006		QBT1005	QBT1003
Galaxy MK 3 1.8, 2.2	D	2006	2010			QBT1103
Galaxy MK 3 2.0, 2.3	P	2006	2011		QBT0755	QBT0753
Galaxy MK 4 1.6	P	2010			QBT0755	QBT0753
Galaxy MK 4 1.6 EcoBoost	P	2010		QBT115AGM		
Galaxy MK 4 1.6	D	2010			QBT1005	QBT1003
Galaxy MK 4 2.0	P	2010	2011		QBT1005	QBT1003
Galaxy MK 4 2.0, 2.2 EcoBoost	P	2010		QBT115AGM		
Galaxy MK 4 2.0, 2.2 EcoBoost	D	2010	2011			QBT1103
Granada MK 2 2.0	P	1977	1985			QBT0973
Granada MK 2 2.1	D	1977	1985			QBT0953
Granada MK 2 2.3, 2.8	P	1977	1985			QBT0973
Granada MK 2 2.5, 2.9	D	1977	1985			QBT0953
Granada MK 3 1.8, 2.0, 2.4	P	1985	1994			QBT0973
Granada MK 3 2.8, 2.9	P	1985	1994			QBT0953
GT 5.4	P	2004	2004			QBT1103
Ka MK 1 1.2, 1.3, 1.6	P	1996	2009		QBT0635	QBT0633
Ka MK 2 1.2, 1.3 Econetic	D	2008		QBT027ECM		
Kuga 2.0	D	2008				QBT1003
Kuga 1.6 EcoBoost	P	2012		QBT096AGM		
Kuga 2.5	P	2008			QBT1005	QBT1003
Kuga 2.0	D	2010				QBT1103
Maverick 2.0, 3.0	P	2001	2004			QBT0303
Maverick 2.4	P	1993	1999			QBT0303
Maverick 2.7	D	1993	1999			QBT2503
Mondeo MK 1 1.6, 1.8, 2.0	P	1993	1996		QBT0755	QBT0753
Mondeo MK 1 1.8	D	1993	1996		QBT1005	QBT1003
Mondeo MK 1 2.5	P	1993	1996		QBT1005	QBT1003
Mondeo MK 2 1.6, 1.8, 2.0	P	1996	2000		QBT0755	QBT0753
Mondeo MK 2 1.8	D	1996	2000		QBT1005	QBT1003
Mondeo MK 2 2.5	P	1996	2000		QBT1005	QBT1003
Mondeo MK 3 1.8, 2.0	P	2000	2007		QBT0755	QBT0753
Mondeo MK 3 2.0, 2.2	D	2000	2007		QBT1005	QBT1003
Mondeo MK 3 2.5, 3.0	P	2000	2007		QBT1005	QBT1003
Mondeo MK 4 1.6, 1.8, 2.0	P	2007			QBT0755	QBT0753
Mondeo MK 4 1.6, 1.8, 2.0, 2.2	D	2007			QBT1005	QBT1003
Mondeo MK 4 2.3, 2.5	P	2007			QBT1005	QBT1003
Mondeo MK 4 2.2	D	2007			QBT1005	QBT1003
Mondeo MK 4 1.6, 2.0 EcoBoost	D	2010		QBT096AGM		
Orion MK 1 1.3, 1.6	P	1983	1986			QBT0853

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Ford						
Orion MK 1 1.6	D	1983	1986			QBT0973
Orion MK 2 1.3, 1.4, 1.6	P	1986	1990			QBT0853
Orion MK 2 1.6	D	1986	1990			QBT0973
Orion MK 2 1.3	P	1986	1990			QBT0853
Orion MK 2 1.8	D	1986	1990			QBT0973
Orion MK 3 1.3, 1.4, 1.6	P	1990	1993			QBT0853
Orion MK 3 1.8	D	1990	1993			QBT0973
P100 1.6, 2.0	P	1985	1987			QBT0853
P100 1.8	D	1989	1994			QBT0973
Probe 2.0, 2.5	P	1994	1998			QBT1133
Puma 1.4	P	1998	2000		QBT0635	QBT0633
Puma 1.6	P	2000	2003		QBT0755	QBT0753
Puma 1.7	P	1997	2003		QBT0755	QBT0753
Ranger 2.5	D	1999	2012			QBT2503
Scorpio 2.0, 2.3	P	1995	1996		QBT0755	QBT0753
Scorpio 2.5	D	1995	1996		QBT1005	QBT1003
Scorpio 2.9	P	1995	1998		QBT1005	QBT1003
Sierra MK 1 1.3, 1.6	P	1982	1987			QBT0853
Sierra MK 1 2.0, 2.3	P	1982	1987			QBT0973
Sierra MK 1 2.3	D	1982	1987			QBT0973
Sierra MK 1 2.8	P	1982	1987			QBT0973
Sierra MK 2 2.3	D	1982	1987			QBT0973
S-MAX 1.6, 1.8, 2.0, 2.2	D	2006	2010			QBT1103
S-MAX 2.0, 2.3	P	2006			QBT1005	QBT1003
S-MAX 1.6, 2.0 EcoBoost	P	2010		QBT096AGM		
S-MAX 2.5	P	2006	2010		QBT1005	QBT1003
Tourneo Connect 1.8	D	2002				QBT1103
Transit MK 2 1.6, 2.0	P	1978	1986			QBT0973
Transit MK 2 2.5	D	1978	1986			QBT0953
Transit MK 3 1.6, 2.0	P	1986	1991			QBT0973
Transit MK 4 2.0	P	1991	1994			QBT0973
Transit MK 4 2.5	D	1991	1994			QBT0953
Transit MK 5 2.0	P	1994	2000		QBT0755	QBT0753
Transit MK 5 2.5	D	1994	2000		QBT1005	QBT1003
Transit MK 6 2.3	P	2000	2006		QBT0755	QBT0753
Transit MK 6 2.0, 2.2, 2.4	D	2000	2006			QBT1103
Transit MK 7 2.3	P	2006			QBT0755	QBT0753
Transit MK 7 2.2, 2.4, 3.2	D	2006				QBT1103
Transit Connect 1.8	P	2002			QBT1005	QBT1003
Transit Connect 1.8	D	2002				QBT1103

FSO						
1300, 1500	P	1981	1991			QBT0773
125P	P	1980	1989			QBT0773
Caro 1.5, 1.6	P	1994	1998			QBT0773
Caro 1.9	D	1994	1997			QBT0783
Caro	P	1994	1998			QBT0783
Polonez 1.5, 1.6	P	1980	1991			QBT0773

Honda						
Accord MK 1 1.6	P	1978	1982			QBT0433
Accord MK 2 1.6	P	1982	1985			QBT0433
Accord MK 2 1.8	P	1982	1985			QBT004R3

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Honda						
Accord MK 3 2.0	P	1985	1989			QBT004R3
Accord MK 4 2.0, 2.2	P	1989	1993			QBT005R3
Accord MK 5 1.9, 2.0, 2.2, 2.3	P	1993	1998			QBT005R3
Accord MK 5 2.0	D	1993	1998		QBT1005	QBT1003
Accord MK 6 1.9, 2.0, 2.2, 2.3, 3.0	P	1998	2003			QBT005R3
Accord MK 7 2.0	P	2003	2008			QBT1583
Accord MK 7 2.4	P	2003	2008		QBT0755	QBT0753
Accord MK 7 2.2	D	2003	2008		QBT1005	QBT1003
Accord MK 8 2.0, 2.4	P	2008			QBT0755	QBT0753
Accord MK 8 2.2	D	2008			QBT1005	QBT1003
Acty 0.5	P	1985	1988			QBT0493
Ballade 1.5	P	1986	1989			QBT0493
Civic MK 2 1.3	P	1979	1984			QBT0433
Civic MK 3 1.3, 1.4, 1.5	P	1984	1987			QBT1583 or QBT1593
Civic MK 4 1.3, 1.4, 1.5, 1.6	P	1987	1991			QBT1583 or QBT1593
Civic MK 5 1.3, 1.5, 1.6	P	1991	1995			QBT1583 or QBT1593
Civic MK 6 1.4, 1.5, 1.6	P	1995	2001			QBT1583 or QBT1593
Civic MK 6 2.0	D	1995	2001			QBT005R3
Civic MK 7 1.3, 1.4, 1.6, 1.7, 2.0	P	2001	2006			QBT1583 or QBT1593
Civic MK 7 1.7	D	2001	2006	QBT027AGM	QBT0275	QBT0273
Civic MK 8 1.3, 1.6, 2.0	P	2006				QBT1583 or QBT1593
Civic MK 8 2.2	D	2010		QBT096AGM	QBT0965	QBT0963
Civic MK 9 1.3	P	2012		QBT027AGM	QBT0275	QBT0273
Civic MK 9 1.8	P	2012		QBT027AGM	QBT0275	QBT0273
Civic MK 9 2.2	D	2012		QBT096AGM		
Concerto 1.4, 1.5, 1.6	P	1989	1994		QBT0635	QBT0633
CR-V MK 1 2, 2.2	P	1997	1999			QBT1583 or QBT1593
CR-V MK 2 2.0	P	2002	2007			QBT1583 or QBT1593
CR-V MK 3 2.0	P	2006	2011			QBT0793
CR-V MK 2 2.2	D	2005	2010		QBT1005	QBT1003
CR-Z (200 1.5	P	2010				QBT0793
FR-V 1.6, 1.8	P	1999	2010			QBT1583 or QBT1593
FR-V 1.7, 2.0	P	2004	2007			QBT1583 or QBT1593
FR-V (200 2.2	D	2005	2010		QBT1005	QBT1003
Insight 1.0 Hybrid	P/E	2000				QBT0553
Integra 1.5, 1.6, 1.8, 2.0	P	1986	2007			QBT1593
Jazz MK 1 1.2	P	1984	1985			QBT0543
Jazz MK 2 1.2, 1.3	P	2002	2008			QBT0543
Jazz MK 3 1.2, 1.3	P	2008				QBT054HD3
Legend 2.5, 2.7	P	1986	1987			QBT005L3
Legend 3.2	P	1991	1996			QBT0313
Legend 3.5	P	1996	2000			QBT0313
Legend 3.5	P	2000	2003			QBT0313
Logo 1.3	P	2000	2001			QBT1593

CAR & LIGHT COMMERCIAL VEHICLE

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Honda						
Prelude 1.6, 1.8, 2.0	P	1980	1992			QBT0493
Prelude 2.0, 2.2	P	1992	2001			QBT0313
Quintet 1.6	P	1981	1983			QBT0493
S2000 2.0	P	1999	2009			QBT1583 or QB-T005R3
Shuttle 2.2, 2.3	P	1995	1998			QBT005L3
Stream 1.7, 1.8	P	2001	2003			QBT1593

Hyundai						
Accent 1.3, 1.5	P	1994	2000			QBT1583
Accent 1.3, 1.5	P	2000	2006			QBT0793
Accent 1.4	P	2006	2010			QBT0793
Accent 1.5	D	2002	2005	QBT0755		QBT0753
Accent 1.5	D	2003	2005	QBT0755		QBT0753
Accent 1.6	P	2003	2006			QBT0793
Amica 1.0, 1.1	P	2000	2003			QBT1583
Amica 1.1	P	2006	2008			QBT1583
Atoz 1.0	P	1998	2001			QBT054HD3
Coupe 1.6, 2.0	P	1996	2001			QBT005L3
Coupe 1.6, 2.0, 2.7	P	2002	2009	QBT027AGM	QBT0275	QBT0273
Elantra 1.6	P	2001	2004			QBT0793
Elantra 2.0	P	2001	2004	QBT027AGM	QBT0275	QBT0273
Elantra 2.0	D	2002	2006			QBT0303
Getz 1.1, 1.3, 1.6	P	2002	2005			QBT0793
Getz 1.1	P	2005	2009			QBT0793
Getz 1.4	P	2005	2009			QBT0793
Getz 1.5	D	2004	2009			QBT0303
Grandeur 3.3	P	2006	2009			QBT2493
H100 2.5	D	1997	2002			QBT2503
i10 1.0, 1.1, 1.2	P	2008				QBT054HD3
i10 1.0, 1.1 i Blue	P	2010		QBT027ECM		
i20 1.2, 1.4	P	2009				QBT004L-HD3
i20 1.4	D	2009				QBT0303
i30 1.4, 1.6	P	2007				QBT004L-HD3
i30 1.6	D	2007				QBT0303
i30 2.0	D	2007				QBT0303
i30 1.6	P	2008				QBT004L-HD3
i30 1.6	D	2008				QBT0303
i30 1.6 i Blue	D	2009		QBT027ECM		
i30 1.4, 1.6	P	2010				QBT004L-HD3
i30 1.4, 1.6	D	2012				QBT0303
i800 2.5	D	2008				QBT2493
iLoad 2.5	D	2009				QBT2493
ix20 1.4	P	2010		QBT027AGM		
ix20 1.4	D	2010		QBT027AGM		
ix20 1.6	P	2011				QBT004L-HD3
ix20 1.6	D	2011		QBT027ECM		
ix35 1.6	P	2010		QBT027ECM		
ix35 1.7	D	2010		QBT096ECM		
ix35 2.0	P	2010				QBT0303

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Hyundai						
ix35 2.0 i Blue	P	2010		QBT027ECM		
ix35 2.0	D	2010				QBT2503
Lantra 1.5, 1.6, 1.8, 2.0	P	1991	2001			QBT1593
Matrix 1.5	D	2001	2011			QBT0303
Matrix 1.6, 1.8	P	2001	2011		QBT0755	QBT0753
Pony 1.2, 1.3, 1.4, 1.5	P	1982	1994			QBT1593
S Coupe 1.5	P	1990	1995			QBT1593
Santa Fe 2.0, 2.2	D	2001	2010			QBT2493
Santa Fe 2.4	P	2001	2009	QBT027AGM	QBT0275	QBT0273
Santa Fe 2.7	P	2001	2009			QBT0303
Santa Fe 2.2	D	2006	2006			QBT2493
Santa Fe 2.2	D	2006	2011			QBT2493
Sonata 1.8, 2.0, 2.4, 2.5	P	1989	2001			QBT005R3
Sonata 2.0, 2.4, 2.7	P	2002	2011	QBT027AGM	QBT0275	QBT0273
Sonata 2.0	D	2006	2011			QBT2493
Sonata 3.3	P	2006	2009	QBT027AGM	QBT0275	QBT0273
Stellar 1.6	P	1984	1991			QBT1593
Terracan 2.9	D	2003	2008			QBT2493
Trajet 2.0	P	2000	2007	QBT027AGM	QBT0275	QBT0273
Trajet 2.0	D	2001	2007			QBT2503
Trajet 2.7	P	2001	2004	QBT027AGM	QBT0275	QBT0273
Tucson 2.0, 2.7	P	2004	2008			QBT005L3
Tucson 2.0	D	2004	2010			QBT2493
Veloster 1.6	P	2011				QBT0793
XG 2.5	P	2000	2004	QBT027AGM	QBT0275	QBT0273
XG 3.0	P	2000	2003	QBT027AGM	QBT0275	QBT0273

Isuzu						
Big Horn 2.2, 2.8	D	1984	1988			QBT2493
Big Horn 2.6	P	1988	1991			QBT0303
Big Horn 3.0, 3.1	D	1991	2002			QBT2493
Big Horn 3.5	P	1998	2002			QBT0303
D-Max 2.5	D	2012				
Fargo 1.8, 2.0	P	1985	1996			QBT0303
Faster 2.8	D	1989	1991			QBT2493
Gemini 1.5, 1.6	P	1986	1992			QBT0303
Gemini 1.5, 1.7	D	1985	1992			QBT2493
Gemini 1.7	D	1988	1992			QBT2493
Gemini 1.8	P	1988	1992			QBT0303
Grafter 3.0	D	2009				
Mu 2.6	P	1989	1993			QBT0303
Mu 2.8, 3.0, 3.1	D	1990	2002			QBT2493
NKR 2.8, 3.0, 3.1	D	1996	2011			QBT2493
Piazza 2.0	P	1986	1990			QBT004L3
Rodeo 2.8	D	1989	1993			QBT2493
Rodeo 2.8	D	1989	1993			QBT2493
Rodeo 2.5, 2.8, 3.0	D	2003	2012			QBT2493
TF 2.5	D	2002	2003			QBT2493
Trooper 2.2	D	1987	1988			QBT0313 x 2 or QBT2503 x 2
Trooper 2.3	P	1987	1988			QBT005R3

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Isuzu						
Trooper 2.6	P	1988	1992			QBT0313 or QBT2503
Trooper 2.8, 3.0, 3.1	D	1988	2005			QBT0313 x 2 or QBT2503 x 2
Trooper 3.2	P	1992	1998			QBT0313 or QBT2503
Trooper 3.5	P	1998	2004			QBT0313 or QBT2503
Vehicross 3.2	P	1997	1999			QBT0303
Wizard 3.0	D	1998	2002			QBT2493
Wizard 3.2	P	1998	2002			QBT0303

Iveco						
Daily 2.0	P	1985	1986	QBT096AGM	QBT0965	QBT0963
Daily 2.4, 2.5, 2.8	D	1985	2003	QBT019AGM	QBT0195	QBT0193
Daily 2.8	P	1999	2006	QBT019AGM	QBT0195	QBT0193
Daily 2.3, 2.8, 3.0	D	2003		QBT019AGM	QBT0195	QBT0193
Daily 3.0	P	2009	2012	QBT019AGM	QBT0195	QBT0193

Jaguar/Daimler						
DS420 4.2	P	1980	1993	QBT019AGM	QBT0195	QBT0193
E Type 3.8, 4.2, 5.3	P	1961	1975			QBT0683
S Type 2.5, 2.7, 3.0, 4.2	P	1998	2008	QBT019AGM	QBT0195	QBT0193
X Type 2.1, 2.5, 3.0	P	2001	2008	QBT096AGM	QBT0965	
X Type 2.2	P	2005	2010	QBT115AGM		QBT1153
XF 2.2, 2.7, 3.0, 4.2, 5.0	P	2008	2012	QBT019AGM	QBT0195	QBT0193
XF 3.0, 5.0	P	2012		QBT019AGM		
XF 2.2, 3.0	D	2012		QBT019AGM		
XJ Series 2.9, 3.6, 4.2, 5.3	P	1980	1990	QBT096AGM	QBT0965	QBT0963
XJ Series 2.7, 3.0, 3.2, 3.6, 4.0, 4.2	P	1980		QBT096AGM	QBT0965	
XJ Series 5.0	P	2013		QBT019AGM		
XJS Series 3.6, 4.0, 5.3, 6.0	P	1980		QBT096AGM	QBT0965	QBT0963
XK Series 4.0, 4.2, 5.0	P	1996	2002	QBT019AGM	QBT0195	QBT0193

Jeep						
Cherokee 2.4, 2.5	P	1993	2005			QBT1113
Cherokee 3.7, 4.0, 4.7	P	1993	2005			QBT0863
Cherokee 2.5	D	1995	2003	QBT019AGM	QBT0195	QBT0193
Cherokee 3.1	D	1998	2002	QBT019AGM	QBT0195	QBT0193
Cherokee 5.2	P	1994	1999			QBT0863
Cherokee 5.9	P	1997	1999			QBT0863
Cherokee 2.5	D	2001	2003			RT-S4.2
Cherokee 2.7	D	2001	2005	QBT019AGM	QBT0195	QBT0193
Cherokee 2.5, 2.8	D	2003	2008			RT-S4.2
Cherokee 3.0	D	2005	2011	QBT019AGM	QBT0195	QBT0193
Cherokee 4.7, 5.7, 6.1	P	2005	2007	QBT115AGM		QBT1153
Cherokee 2.8	D	2008	2011			RT-S4.2
Cherokee 3.0	D	2011		QBT019AGM		
Cherokee 6.4	P	2011		QBT019AGM		
Commander 3.0	D	2006	2010	QBT115AGM		QBT1153
Commander 5.7	P	2006	2007	QBT096AGM	QBT0965	QBT0963
Compass 2.0	D	2007	2010	QBT115AGM		QBT1153
Compass 2.0	P	2011				QBT1113
Compass 2.4	P	2007	2010			QBT1113
Compass 2.1	D	2011				RT-S3.7
Compass 2.4	P	2011				QBT1113

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Jeep						
Patriot 2.0	D	2007	2010			YT-S5.5
Patriot 2.1	D	2010	2012			YT-S5.5
Patriot 2.4	P	2007	2012			QBT1113
Wrangler 2.5	P	1993	2001			QBT1113
Wrangler 2.8	D	2007	2010	QBT115AGM		QBT1153
Wrangler 2.8	D	2010				YT-S5.5
Wrangler 3.8	P	2007				QBT1113
Wrangler 4.0	P	1993				QBT0863

Kia						
Carens 1.6, 1.8, 2.0	P	2000	2011	QBT027AGM	QBT0275	QBT0273
Carens 2.0	D	2002	2010			QBT0303
Carens 2.0	D	2006	2010			QBT0303
Ceed 1.4, 1.6	P	2007				QBT004L-HD3
Ceed 1.4	D	2012		QBT096AGM		
Ceed 1.6	D	2007	2011	QBT096AGM		
Ceed 1.6	D	2011		QBT096AGM		
Cerato 1.6, 2.0	P	2004	2007	QBT027AGM	QBT0275	QBT0273
Cerato 1.5, 1.6	D	2005	2007			QBT0303
Clarus 1.8, 2.0	P	1999	2001			QBT004R3
Magentis 2.0, 2.5	P	2003	2006	QBT027AGM	QBT0275	QBT0273
Magentis 2.7	P	2006	2009	QBT027AGM	QBT0275	QBT0273
Magentis 2.0	D	2006	2009			QBT0303
Mentor 1.5, 1.6	P	1994	2003			QBT1593
Optima 1.7	D	2011				QBT0303
Picanto 1.0, 1.1,	P	2004	2011			QBT054HD3
Picanto 1.1	P	2004	2011			QBT054HD3
Picanto 1.25	P	2011		QBT027AGM		
Pride 1.1, 1.3	P	1991	2000			QBT005L3
Pro Ceed 1.4	P	2008				QBT004L-HD3
Pro Ceed 1.6	P	2008				QBT004L-HD3
Pro Ceed 1.6, 2.0	D	2008		QBT096AGM		
Rio 1.3, 1.4, 1.5	P	2001	2005			QBT004L-HD3
Rio 1.5	D	2005	2011			QBT0303
Rio 1.6	P	2008	2010			QBT004L-HD3
Rio 1.1	D	2011				QBT004L-HD3
Rio 1.2, 1.4	P	2011		QBT027AGM		
Rio 1.4	D	2011				QBT004L-HD3
Sedona 2.2	D	2009				QBT2493
Sedona 2.5	P	1999	2006			QBT0303
Sedona 2.7	P	2006	2010			QBT0303
Sedona 2.9	D	1999	2010			QBT2493
Sedona 2.9	D	2001	2006			QBT2493
Shuma 1.5, 1.6, 1.8	P	1999	2004	QBT027AGM	QBT0275	QBT0273
Sorento 2.5	D	2002	2010			
Sorento 3.5	P	2003	2006			QBT0303
Sorento 3.3	P	2006				QBT0303
Sorento 2.0	D	2010				

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Kia						
Soul 1.6	P	2009	2012			QBT004L-HD3
Soul 1.6	D	2009				QBT0303
Sportage 2.0	P	1995	2010			QBT1133
Sportage 2.0	D	2005	2010			
Sportage 2.7	P	2005	2008			QBT0303
Sportage 2.0	D	2007	2010			
Sportage 1.6	P	2010		QBT027AGM		
Sportage 1.7	D	2010		QBT096AGM		
Sportage 2.0	P	2010		QBT027AGM		
Sportage 2.0	D	2010		QBT096AGM		
Venga 1.4, 1.6	P	2009		QBT027ECM		
Venga 1.4, 1.6	D	2009		QBT096ECM		

Lada						
1200 1.2	P	1980	1985			QBT0693
1300 1.3	P	1980	1982			QBT0693
1500 1.5	P	1984	1986			QBT0693
1600 1.6	P	1980	1984			QBT0693
Niva 1.2, 1.3, 1.5, 1.7	P	1995	1998			QBT0693
Samara 1.1, 1.3, 1.5	P	1988	1997			QBT0693

Lamborghini						
Countach 5.2	P	1985	1990	QBT096AGM	QBT0965	
Diablo 5.7	P	1990	2000	QBT096AGM	QBT0965	
Diablo 6.0	P	2000	2002	QBT096AGM	QBT0965	
Gallardo 5.0	P	2003	2009	QBT096AGM	QBT0965	
Gallardo 5.2	P	2008		QBT096AGM	QBT0965	
Jalpa 3.5	P	1981	1988	QBT096AGM	QBT0965	
LM002 5.2	P	1986	1992	QBT096AGM	QBT0965	
Murcielago 6.2	P	2001	2009	QBT096AGM	QBT0965	
Reventon 6.5	P	2008	2009	QBT096AGM	QBT0965	

Lancia						
Beta 1.6, 1.8, 2.0	P	1980	1985			QBT0773
Dedra 1.6, 1.8, 2.0	P	1990	1994		QBT0755	QBT0653
Delta 1.3, 1.5, 1.6	P	1980	1991			QBT0773
Delta 2.0	P	1987	1989	QBT027AGM	QBT0275	QBT0273
Gamma 2.5	P	1980	1985	QBT027AGM	QBT0275	QBT0273
Monte Carlo 2.0	P	1981	1983			QBT0783
Prisma 1.5, 1.6	P	1983	1985			QBT0793
Thema 2.0	P	1985	1994		QBT0755	QBT0653
Thema 2.8, 2.9	P	1985	1988	QBT096AGM	QBT0965	QBT0963
Thema 2.0	P	1989	1992		QBT0755	QBT0653
Trevi 1.6, 2.0	P	1981	1984			QBT0773
Y10 1.0, 1.1, 1.3	P	1985	1987		QBT0635	QBT0633

Land Rover						
Defender 2.5, 3.5	P	1990	1994			QBT0723
Defender 2.5	D	1990	1998			QBT0723
Defender 2.5	D	1998	2007		QBT664CX	QBT644C
Defender 3.9	P	1998	1999			QBT0723
Defender 2.4	D	2007	2012	QBT019AGM	QBT0195	QBT0193

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Land Rover						
Defender 2.2	D	2011		QBT115AGM		
Defender 2.2	D	2011		QBT115AGM		
Defender 2.2	D	2011		QBT115AGM		
Discovery 2.5	D	1989	1998		QBT664CX	QBT644C
Discovery 2.0. 3.5, 3.9, 4.0	P	1989	1990			QBT0723
Discovery 2.5	D	1997	2004		QBT664CX	QBT644C
Discovery 2.7, 3.0	D	2004	2010	QBT019AGM	QBT0195	QBT0193
Discovery 4.4	P	2004	2008	QBT019AGM	QBT0195	QBT0193
Discovery 3.0	D	2010	2011	QBT115AGM		
Freelander 1.8	P	1997	2007	QBT027AGM	QBT0275	QBT0273
Freelander 2.0, 2.2	D	1997	2008	QBT096AGM	QBT0965	QBT0963
Freelander 2.2	D	2010		QBT115AGM		
Freelander 2.5	P	2000	2007	QBT027AGM	QBT0275	QBT0273
Freelander 3.2	P	2006	2009	QBT027AGM	QBT0275	QBT0273
Land Rover 2.1	P	1958	1958			QBT0723
Land Rover 2.3	P	1958	1971			QBT0723
Land Rover 2.3	P	1971	1983			QBT0723
Land Rover 2.3	P	1984	1985			QBT0723
Land Rover 2.1, 2.3	D	1958	1961		QBT663CX	QBT643C
Land Rover 2.3	D	1971	1983		QBT663CX	QBT643C
Land Rover 2.3	D	1983	1985		QBT663CX	QBT643C
Land Rover 2.5	P	1985	1990			QBT0723
Land Rover 2.5	D	1983	1990		QBT663CX	QBT643C
Land Rover 2.6	P	1966	1971			QBT0723
Land Rover 2.6	P	1971	1985			QBT0723
Land Rover 2.6	P	1971	1985			QBT0723
Land Rover 3.5	P	1979	1990			QBT0723
Range Rover Evogue 2.0	P	2011		QBT115AGM		
Range Rover Evogue 2.2	D	2011		QBT115AGM		
Range Rover 3.0	D	2011		QBT115AGM		
Range Rover 2.7	D	2005	2009	QBT019AGM	QBT0195	QBT0193
Range Rover 2.4, 2.5	D	1986	2002			QBT0723
Range Rover 2.9	D	2002	2006	QBT019AGM	QBT0195	QBT0193
Range Rover 3.0	D	2009	2012	QBT019AGM	QBT0195	QBT0193
Range Rover 3.5, 3.9, 4.0, 4.3, 4.6	P	1980	2001			QBT0723
Range Rover TDV8 3.6	D	2006	2011	QBT019AGM	QBT0195	QBT0193
Range Rover 2.2	P	2002	2008	QBT019AGM	QBT0195	QBT0193
Range Rover TDV8 4.4	D	2010				QBT0203
Range Rover 5.0	P	2009		QBT019AGM	QBT0195	QBT0193

LDV						
200 1.7, 2.0	P	1989	1996			QBT0723
200 1.9, 2.0	D	1989	1996			QBT0723
400 2.0	P	1989	1996			QBT0723
400 2.0	P	1989	1996			QBT0723
400 2.5	D	1989	1996			QBT0723
400 3.5	P	1989	1996			QBT0723
Convoy 2.0	P	2001	2006		QBT1005	QBT1003

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
		From	To			
LDV						
Convoy 2.4, 2.5	D	1996	2006		QBT1005	QBT1003
Cub 2.3	D	1998	2002			QBT2503
Maxus 2.5	D	2005	2009	QBT115AGM		QBT1153
Pilot 1.9	D	1996	2006			QBT0723
Sherpa 1.7, 2.0, 3.5	P	1985	1989		QBT0755	QBT0753
Sherpa 1.8, 2.0, 2.5	D	1985	1986		QBT0755	QBT0753

Lexus						
CT200 1.8	P	2010				QBT1583
GS300 3.0	P	1993	2010			QBT0313
GS430 4.3	P	2000	2008			QBT0313
GS450 3.5	P	2006	2012			QBT1583
GS460 4.6	P	2007	2010			QBT0313
IS200 2.0	P	1999	2006			QBT005L3
IS200 2.2	D	2010				QBT2493
IS250 2.5	P	2005				QBT0313
IS300 3.0	P	2001	2006			QBT2493
IS-F 5.0	P	2008				QBT2493
LFA 4.8	P	2011				QBT2493
LS400 4.0, 4.3, 4.6	P	1990	1994			QBT2493
LS400 4.0	P	1994	2000			QBT2493
LS430 4.3	P	2000	2006			QBT2493
LS460 4.6	P	2006				QBT2493
LS600 5.0	P	2007				QBT1583
RX300 3.0	P	2000	2006			QBT0303
RX350 3.5	P	2006	2009			QBT0303
RX400 3.3	P	2005	2009			QBT1583
RX450 3.5	P	2009				QBT1583
SC250 2.5	P	1991	2000			QBT0303
SC300 3.0	P	1991	2000			QBT0303
SC400 4.0	P	1991	1997			QBT0303
SC430 4.3	P	2001	2010			QBT2493

Ligier						
Ambra 0.5	P	2001	2006			QBT2023
Ambra 0.5	D	1999	2006			QBT2023
Be Up 0.5	P	2004	2006			QBT2023
Be Up 0.5	D	2004	2006			QBT2023

Lotus						
2 Eleven 1.8	P	2007	2011		QBT0755	QBT0753
340R 1.8	P	1999	2001		QBT0755	QBT0753
Carlton 3.6	P	1990	1994		QBT0755	QBT0753
Eclat 2.0, 2.2	P	1980	1980		QBT0755	QBT0753
Elan 1.6	P	1990	1995		QBT0755	QBT0753
Elise 1.8	P	1996	2010		QBT0635	QBT0633
Elise 1.6	P	2010			QBT0755	QBT0753
Elite 2.0, 2.2	P	1980	1980			QBT0383
LTI	P	1980	1997		QBT0755	QBT0753
Esprit 3.5	P	1996	2003		QBT0755	QBT0753
Europa 2.0	P	2006	2011		QBT0755	QBT0753
Evora 3.5	P	2008		QBT096AGM	QBT0965	QBT0963
Excel 2.2	P	1982	1993		QBT0755	QBT0753
Exige 1.8	P	2000	2011		QBT0635	QBT0633

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
		From	To			
LTI						
Fairway 2.7	D	1989	1997		QBT663CX	QBT643C
FX4 2.3	D	1982	1985		QBT663CX	QBT643C
FX4 2.5	D	1980	1988		QBT663CX	QBT643C
TX1 2.7	D	1997	2002		QBT663CX	QBT643C
TX2 2.4	D	2002	2006	QBT096AGM	QBT0965	QBT0963
TX4 2.5	D	2006		QBT019AGM	QBT0195	QBT0193

Mahindra						
Indian 2.1	D	1990	1996			QBT2493
Marksman 2.1, 2.5	D	1991	1994			QBT2493

Maserati						
3200 GT 3.2	P	1998	2001	QBT096AGM	QBT0965	QBT0963
Biturbo 2.0, 2.5, 2.8	P	1982	1994			QBT0863
Coupe 4.2	P	2001	2008	QBT096AGM	QBT0965	QBT0963
Ghibli 2.0, 2.8	P	1992	1998	QBT096AGM	QBT0965	QBT0963
GranCabrio 4.7	P	2010		QBT019AGM	QBT0195	QBT0193
GranTurismo 4.2	P	2007			QBT0175	QBT0173
GranTurismo 4.7	P	2008	2012		QBT0175	QBT0173
Karif 2.8	P	1988	1992	QBT096AGM	QBT0965	QBT0963
Khamzin 4.9	P	1980	1983			QBT0863
Kyalami 4.9	P	1980	1984			QBT0863
MC12 6.0	P	2005	2008	QBT096AGM	QBT0965	
Merak 2.0, 3.0	P	1980	1984			QBT0863
Quattroporte 2.0, 2.8, 3.2	P	1994	2001		QBT0175	QBT0173
Quattroporte 4.1, 4.9	P	1980	1985		QBT0175	QBT0173
Quattroporte 4.2, 4.7	P	2004		QBT019AGM	QBT0195	QBT0193
Racing 2.0	P	1990	1993	QBT096AGM	QBT0965	QBT0963
Royale 4.9	P	1986	1990			QBT0863
Shamal 3.2	P	1989	1996	QBT096AGM	QBT0965	QBT0963
Spyder 2.0, 2.5, 2.8, 4.2	P	1984	2008	QBT096AGM	QBT0965	QBT0963

Maybach						
57 5.5	P	2003		QBT019AGM	QBT0195	
57 6.0	P	2005		QBT019AGM	QBT0195	
62 5.5	P	2003		QBT019AGM	QBT0195	
62 6.0	P	2007		QBT019AGM	QBT0195	

Mazda						
2 1.2, 1.4, 1.6	P	2003	2007		QBT0635	QBT0633
2 1.3	P	2007				QBT005L3
2 1.4	D	2003	2007		QBT0635	QBT0633
2 1.5	P	2007		QBT027AGM	QBT0275	QBT0273
2 1.4, 1.6	D	2008		QBT027AGM	QBT0275	QBT0273
3 1.3, 1.6, 2.0, 2.3	P	2004	2009			QBT005L3
3 1.6, 2.0	P	2009	2011			QBT005L3
3 1.6, 2.0, 2.2	D	2004	2011			QBT0303
5 1.8, 2.0	P	2005				QBT005L3
5 1.6	D	2010				QBT2493
5 2.0	D	2005				QBT2493
6 1.8, 2.0, 2.3, 2.5	P	2002	2012			QBT005L3
6 2.0, 2.2	D	2008	2012			QBT2493
6 2.5	P	2008				QBT005L3
121 1.1, 1.3	P	1988	2000			QBT1583

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Mazda						
323 1.1, 1.3, 1.5, 1.6, 1.8, 2.0	P	1980	2003			QBT005L3
323 2.0	D	1999	2003			QBT005L3
626 1.6, 1.8, 2.0, 2.5	P	1981	2002			QBT005L3
626 2.0	D	1994	2002			QBT2493
929 2.0	P	1981	1988			QBT005R3
B1800 1.8	P	1985	1986			QBT005R3
B2000 2.0	P	1986	1994			QBT005R3
B2200 2.2	D	1986	1996			QBT005R3
B2500 2.5	D	1998	2007			QBT2503
BT50 2.5, 3.0	D	2007	2010			QBT2503
CX5 2.2	D	2012			QBT0965	
CX7 2.3	P	2007	2010	QBT096AGM	QBT0965	QBT0963
CX7 2.2	D	2009		QBT096AGM	QBT0965	QBT0963
Demio 1.3	P	1998	2003			QBT0443
E2000 2.0	P	1985	1998			QBT005L3
E2200 2.2	D	1985	2003			QBT2493
Montrose 1.6, 2.0	P	1980	1981			QBT005L3
MPV 2.0	P	1999	2002			QBT005L3
MPV 2.0	D	2002	2005			QBT2493
MPV 2.3	P	2002	2005			QBT005L3
MX3 1.6, 1.8	P	1991	1998			QBT005L3
MX5 1.6, 1.8	P	1990	1998			MX5E
MX5 1.6, 1.8, 2.0	P	1998	2005		QBT0635	QBT0633
MX6 2.5	P	1992	1998			QBT005L3
Premacy 1.8, 2.0	P	1999	2005			QBT004L3
Premacy 2.0	D	1999	2005			QBT005L3
RX7 2.3, 2.4, 2.6	P	1980	1995			QBT005L3
RX8 1.3	P	2003	2010			QBT0303
Tribute 2.0, 3.0	P	2001	2005	QBT096AGM	QBT0965	QBT0963
Tribute 3.0	P	2001	2005	QBT096AGM	QBT0965	QBT0963
Xedos 1.6, 2.0	P	1993	2000			QBT1133
Xedos 2.3, 2.5	P	1994	2000			QBT005L3

MCW						
Metrocab 2.4, 2.5	D	1987	2005		QBT663CX	QBT643C

Mercedes Benz						
190 Series W201 2.0, 2.5	D	1984	1993	QBT096AGM	QBT0965	QBT0963
190 Series W201 1.8, 2.0, 2.3, 2.5, 2.6	P	1990	1993	QBT027AGM	QBT0275	QBT0273
200 Series R107 2.7	P	1974	1985	QBT096AGM	QBT0965	QBT0963
200 Series W123 2.0, 2.3, 2.5, 2.7	P	1980	1985	QBT027AGM	QBT0275	QBT0273
200 Series W123 2.0, 2.4	D	1980	1981	QBT096AGM	QBT0965	QBT0963
200 Series C123 2.3, 2.7	P	1980	1985	QBT027AGM	QBT0275	QBT0273
200 Series S123 2.4	D	1980	1985	QBT096AGM	QBT0965	QBT0963
200 Series W126 2.7	P	1980	1985	QBT096AGM	QBT0965	QBT0963
200 Series S123 2.0, 2.3, 2.7	P	1980	1986	QBT027AGM	QBT0275	QBT0273
200 Series W124 2.0, 2.2, 2.3, 2.7, 2.8	P	1985	1993	QBT027AGM	QBT0275	QBT0273
200 Series W124 2.5	D	1985	1993	QBT096AGM	QBT0965	QBT0963

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Mercedes Benz						
200 Series S124 2.0, 2.2, 2.3, 2.8	P	1986	1993	QBT027AGM	QBT0275	QBT0273
200 Series S124 2.5	D	1986	1990	QBT096AGM	QBT0965	QBT0963
200 Series V124 2.5	D	1990	1993	QBT096AGM	QBT0965	QBT0963
200 Series V124 2.6, 2.8	P	1990	1993	QBT096AGM	QBT0965	QBT0963
200 Series C124 2.2, 2.3	P	1987	1993	QBT027AGM	QBT0275	QBT0273
206-405 2.3	P	1985	1995	QBT096AGM	QBT0965	QBT0963
206-405 2.3, 2.4, 2.9	D	1988	1995	QBT096AGM	QBT0965	QBT0963
300 Series S123 3.0	D	1980	1985	QBT096AGM	QBT0965	QBT0963
300 Series W123 3.0	D	1980	1985	QBT096AGM	QBT0965	QBT0963
300 Series R107 3.8	P	1980	1985	QBT027AGM	QBT0275	QBT0273
300 Series R107 3.8	P	1980	1982	QBT027AGM	QBT0275	QBT0273
300 Series C126 3.8	P	1981	1985	QBT027AGM	QBT0275	QBT0273
300 Series W124 3.0, 3.2	P	1985	1993	QBT027AGM	QBT0275	QBT0273
300 Series W124 3.0	D	1985	1993	QBT096AGM	QBT0965	QBT0963
300 Series R107 3.0	P	1986	1989	QBT027AGM	QBT0275	QBT0273
300 Series S124 3.0	P	1986	1992	QBT027AGM	QBT0275	QBT0273
300 Series W126 3.0, 3.8	P	1980	1991	QBT027AGM	QBT0275	QBT0273
300 Series C124 3.0, 3.2	P	1987	1993	QBT027AGM	QBT0275	QBT0273
300 Series S124 3.0	P	1988	1992	QBT027AGM	QBT0275	QBT0273
300 Series V126 3.0, 3.8	P	1980	1991	QBT027AGM	QBT0275	QBT0273
300 Series R129 3.0	P	1989	1993	QBT027AGM	QBT0275	QBT0273
300 Series R129 3.0	P	1989	1993	QBT027AGM	QBT0275	QBT0273
300 Series S124 3.0	P	1989	1992	QBT027AGM	QBT0275	QBT0273
300 Series S124 3.0	D	1989	1993	QBT096AGM	QBT0965	QBT0963
300 Series W140 3.2	P	1991	1993	QBT027AGM	QBT0275	QBT0273
300 Series V140 3.2	P	1991	1993	QBT027AGM	QBT0275	QBT0273
300 Series A124 3.2	P	1992	1993	QBT027AGM	QBT0275	QBT0273
300 Series S124 3.2	P	1992	1993	QBT027AGM	QBT0275	QBT0273
400 Series R107 4.2	P	1986	1989	QBT096AGM	QBT0965	QBT0963
400 Series C126 4.2	P	1986	1991	QBT096AGM	QBT0965	QBT0963
400 Series W126 4.2	P	1986	1991	QBT096AGM	QBT0965	QBT0963
400 Series V126 4.2	P	1986	1991	QBT096AGM	QBT0965	QBT0963
400 Series 4.2	P	1986	1993	QBT096AGM	QBT0965	QBT0963
400 Series W140 4.2	P	1991	1993	QBT096AGM	QBT0965	QBT0963
400 Series V140 4.2	P	1991	1993	QBT096AGM	QBT0965	QBT0963
500 Series R107 5.0	P	1980	1989	QBT096AGM	QBT0965	QBT0963
500 Series W126 5.0	P	1980	1991	QBT096AGM	QBT0965	QBT0963
500 Series	P	1980	1993	QBT096AGM	QBT0965	QBT0963
500 Series C126 5.0, 5.5	P	1981	1991	QBT096AGM	QBT0965	QBT0963
500 Series V126 5.0, 5.5	P	1986	1991	QBT096AGM	QBT0965	QBT0963
500 Series R129 5.0	P	1989	1993	QBT096AGM	QBT0965	QBT0963
500 Series W140 5.0	P	1991	1993	QBT096AGM	QBT0965	QBT0963
500 Series V140 5.0	P	1991	1993	QBT096AGM	QBT0965	QBT0963
500 Series W124 5.0	P	1991	1993	QBT096AGM	QBT0965	QBT0963
500 Series C140 5.0	P	1992	1993	QBT096AGM	QBT0965	QBT0963
600 Series V140 6.0	P	1991	1993	QBT019AGM	QBT0195	
600 Series R129 6.0	P	1992	1993	QBT019AGM	QBT0195	
600 Series C140 6.0	P	1992	1993	QBT019AGM	QBT0195	
A Class W168 1.4, 1.6, 1.9, 2.1	P	1998	2005			QBT0793
A Class W168 1.7	D	1998		QBT096AGM	QBT0965	QBT0963
A Class S168 1.4, 1.6, 1.9, 2.1	P	2001	2005			QBT0793

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
		From	To			
Mercedes Benz						
A Class S168 1.7	D	2001	2005	QBT096AGM	QBT0965	QBT0963
A Class C169 1.5, 1.7, 2.0	P	2005		QBT027AGM	QBT0275	QBT0273
A Class W169 1.5, 1.7, 2.0	P	2005		QBT027AGM	QBT0275	QBT0273
A Class C169 2.0	D	2005		QBT096AGM	QBT0965	QBT0963
A Class W169 2.0	D	2005			QBT0965	QBT0963
B Class W245 1.5, 1.7, 2.0	P	2005		QBT027AGM	QBT0275	QBT0273
B Class W245 2.0	D	2005		QBT096AGM	QBT0965	QBT0963
B Class W246 1.6 BlueEfficiency	P	2012		QBT096AGM		
B Class W246 1.5, 1.8, 2.1 BlueEfficiency	D	2012		QBT096AGM		
C Class W202 1.8	P	1993	2000	QBT027AGM	QBT0275	QBT0273
C Class W202 2.2	P	1993	1996	QBT096AGM	QBT0965	QBT0963
C Class W202 2.2, 2.5	D	1993	2000	QBT019AGM	QBT0195	QBT0193
C Class W202 2.0	P	1994	2000	QBT096AGM	QBT0965	QBT0963
C Class W202 2.8	P	1994	2000	QBT096AGM	QBT0965	QBT0963
C Class W202 3.6	P	1994	1997	QBT019AGM	QBT0195	QBT0193
C Class W202 2.3	P	1995	2000	QBT096AGM	QBT0965	QBT0963
C Class S202 1.8	P	1996	2001	QBT027AGM	QBT0275	QBT0273
C Class S202 2.0	P	1996	2000	QBT096AGM	QBT0965	QBT0963
C Class S202 2.2	D	1996	2001	QBT019AGM	QBT0195	QBT0193
C Class S202 2.3	P	1996	2001	QBT096AGM	QBT0965	QBT0963
C Class S202 2.5	D	1996	2001	QBT019AGM	QBT0195	QBT0193
C Class S202 2.4	P	1997	2000	QBT096AGM	QBT0965	QBT0963
C Class W202 2.4	P	1997	2000	QBT096AGM	QBT0965	QBT0963
C Class S202 2.8	P	1997	2001	QBT096AGM	QBT0965	QBT0963
C Class S202 4.3	P	1998	2000	QBT019AGM	QBT0195	QBT0193
C Class W202 4.3	P	1998	2000	QBT019AGM	QBT0195	QBT0193
C Class S202 2.0	P	2000	2001	QBT019AGM	QBT0195	QBT0193
C Class S203 2.1, 2.7, 3.0	D	2000	2008	QBT019AGM	QBT0195	QBT0193
C Class W203 2.1, 2.3, 3.0	D	2000	2007	QBT019AGM	QBT0195	QBT0193
C Class S202 2.6	P	2000	2001	QBT019AGM	QBT0195	QBT0193
C Class W202 2.6	P	2000	2001	QBT019AGM	QBT0195	QBT0193
C Class CL203 2.1	D	2001	2008	QBT019AGM	QBT0195	QBT0193
C Class CL203 1.8, 2.0, 2.3, 2.5, 3.2, 3.5	P	2001	2008	QBT019AGM	QBT0195	QBT0193
C Class S203 1.8, 2.0, 2.5, 2.6, 3.0, 3.2, 3.5, 5.4	P	2002	2008	QBT019AGM	QBT0195	QBT0193
C Class W203 1.8, 2.0, 2.5, 3.0, 3.2, 3.5, 5.4	P	2002	2007	QBT019AGM	QBT0195	QBT0193
C Class W204 1.8	P	2007	2011	QBT019AGM	QBT0195	QBT0193
C Class W204 2.1, 3.0	D	2007		QBT019AGM	QBT0195	QBT0193
C Class W204 2.5, 3.0, 3.5	P	2007	2011	QBT019AGM	QBT0195	QBT0193
C Class S204 1.8	P	2008	2011	QBT019AGM	QBT0195	QBT0193
C Class S204 2.1, 3.0	D	2008	2011	QBT019AGM	QBT0195	QBT0193
C Class S204 2.5, 3.0, 3.5	P	2008	2010	QBT019AGM	QBT0195	QBT0193
C Class W204 6.2	P	2008		QBT019AGM		
C Class S204 6.2	P	2008	2011	QBT019AGM	QBT0195	
C Class W204 1.6	P	2009	2010	QBT019AGM		
C Class S204 1.6	P	2009	2010	QBT019AGM	QBT0195	QBT0193
C Class W204 1.8	P	2011		QBT096AGM		
C Class S204 1.8	P	2011		QBT096AGM		
C Class C204 2.1	D	2011		QBT019AGM		
C Class W204 3.5	P	2011		QBT019AGM		
C Class S204 3.5	P	2011		QBT019AGM		

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
		From	To			
Mercedes Benz						
C Class C204 3.5, 6.2	P	2011		QBT019AGM		
C Class W204 1.6	P	2012		QBT096AGM		
C Class S204 1.6	P	2012		QBT096AGM		
C Class C204 1.6, 1.8	P	2011		QBT096AGM		
CL Class C140 4.2, 5.0, 5.4, 5.5, 5.8, 6.0	P	1996	2007	QBT019AGM	QBT0195	
CL Class C216 5.5	P	2006	2012	QBT019AGM	QBT0195	
CL Class C216 6.2	P	2006	2011	QBT019AGM	QBT0195	
CL Class C216 6.0	P	2007		QBT019AGM	QBT0195	
CL Class C216 4.7	P	2010		QBT019AGM		
CL Class C216 5.5	P	2010		QBT019AGM		
CLC Class CL203 2.1	D	2008	2011	QBT019AGM	QBT0195	QBT0193
CLC Class CL203 1.6, 1.8, 2.5, 3.5	P	2008	2011	QBT096AGM	QBT0965	QBT0963
CLK Class C208 2.0, 2.3	P	1997	2002	QBT027AGM	QBT0275	QBT0273
CLK Class C208 3.2	P	1997	2002	QBT096AGM	QBT0965	QBT0963
CLK Class A208 3.2	P	1998	2003	QBT096AGM	QBT0965	QBT0963
CLK Class A208 4.3	P	1999	2003	QBT019AGM	QBT0195	QBT0193
CLK Class C208 4.3, 5.4	P	1999	2002	QBT019AGM	QBT0195	QBT0193
CLK Class A208 2.0, 2.3	P	1998	2003	QBT027AGM	QBT0275	QBT0273
CLK Class C209 1.8, 2.6	P	2002	2010	QBT027AGM	QBT0275	QBT0273
CLK Class C209 5.0, 5.4, 5.5, 6.2	P	2002	2010	QBT019AGM	QBT0195	QBT0193
CLK Class A209 1.8	P	2003	2010	QBT027AGM	QBT0275	QBT0273
CLK Class A209 2.6	P	2003	2005	QBT027AGM	QBT0275	QBT0273
CLK Class A209 5.0, 5.4, 5.5, 6.2	P	2003	2010	QBT019AGM	QBT0195	QBT0193
CLK Class C209 2.1, 2.7, 3.0	D	2005	2010	QBT027AGM	QBT0275	QBT0273
CLK Class C209 3.0, 3.2, 3.5	P	2002	2010	QBT096AGM	QBT0965	QBT0963
CLK Class A209 3.0, 3.2, 3.5	P	2003	2010	QBT096AGM	QBT0965	QBT0963
CLS Class C219 3.5, 5.0, 5.4, 5.5, 6.2.	P	2005	2010	QBT019AGM		
CLS Class C218 2.1, 3.0	D	2010		QBT019AGM		
CLS Class C218 3.0, 3.5, 4.7, 5.5	P	2010		QBT019AGM		
E Class S124 2.0, 2.2	P	1993	1996	QBT027AGM	QBT0275	QBT0273
E Class W124 2.0, 2.2	P	1993	1995	QBT027AGM	QBT0275	QBT0273
E Class A124 2.2	P	1993	1997	QBT027AGM	QBT0275	QBT0273
E Class C124 2.2	P	1993	1996	QBT027AGM	QBT0275	QBT0273
E Class W124 2.5, 3.0	D	1993	1996	QBT019AGM	QBT0195	QBT0193
E Class S124 2.8, 3.2, 3.6	P	1993	1996	QBT096AGM	QBT0965	QBT0963
E Class W124 2.8, 3.2, 3.6	P	1993	1997	QBT096AGM	QBT0965	QBT0963
E Class V124 2.8	P	1993	1996	QBT096AGM	QBT0965	QBT0963
E Class S124 3.0	D	1993	1996	QBT019AGM	QBT0195	QBT0193
E Class A124 3.2, 3.6	P	1993	1996	QBT096AGM	QBT0965	QBT0963
E Class C124 3.2, 3.6	P	1993	1996	QBT096AGM	QBT0965	QBT0963
E Class W124 5.0	P	1993	1996	QBT019AGM	QBT0195	QBT0193
E Class W210 2.0	P	1995	2002	QBT027AGM	QBT0275	QBT0273
E Class W210 2.3, 2.4, 2.6, 2.8, 3.2	P	1995	2002	QBT096AGM	QBT0965	QBT0963
E Class S210 2.3, 2.4, 2.6, 2.8, 3.2	P	1996	2003	QBT096AGM	QBT0965	QBT0963
E Class S210 4.3, 5.4	P	1997	2003	QBT019AGM	QBT0195	QBT0193
E Class W210 4.3, 5.4	P	1997	2002	QBT019AGM	QBT0195	QBT0193
E Class W210 2.2, 2.5, 3.0, 3.2	D	1995	2002	QBT019AGM	QBT0195	QBT0193
E Class S210 2.1, 3.0, 3.2	D	1995	2003	QBT019AGM	QBT0195	QBT0193
E Class W211 1.8, 2.6, 3.0, 3.2, 3.5, 5.0, 5.4, 6.2	P	2002	2010	QBT019AGM		

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Mercedes Benz						
E Class S210 1.8, 2.0	P	1996	2003	QBT027AGM	QBT0275	QBT0273
E Class S211 1.8, 2.6, 3.0, 3.2, 3.5, 5.0, 5.4, 5.5, 6.2	P	2003	2010	QBT019AGM		
E Class S211 2.1, 2.7, 3.0, 3.2	D	2003	2010	QBT019AGM		
E Class W212 1.8, 3.5, 5.5, 6.2 BlueEfficiency	P	2009		QBT019AGM		
E Class C207 1.8, 3.5, 4.7, 5.5 BlueEfficiency	P	2009		QBT019AGM		
E Class S212 1.8, 3.5 BlueEfficiency	P	2009		QBT096AGM		
E Class W212 2.1, 3.0 BlueEfficiency	D	2009		QBT019AGM		
E Class C207 2.1, 3.0 BlueEfficiency	D	2009		QBT019AGM		
E Class S212 2.1, 3.0 BlueEfficiency	D	2009		QBT019AGM		
E Class S212 5.5, 6.2 BlueEfficiency	P	2009		QBT019AGM		
E Class A207 1.8, 3.5, 4.7, 5.5 BlueEfficiency	P	2010		QBT019AGM		
E Class A207 2.1, 3.0 BlueEfficiency	D	2010		QBT019AGM		
G Class W460 2.7	P	1981	1990	QBT096AGM	QBT0965	QBT0963
G Class W460 3.0	D	1981	1995	QBT019AGM	QBT0195	QBT0193
G Class W460 2.3	P	1983	1990	QBT027AGM	QBT0275	QBT0273
G Class W463 3.0	P	1991	1997	QBT096AGM	QBT0965	QBT0963
G Class W463 5.4, 5.5 BlueTec	D	2010		QBT019AGM		
GL Class X164 3.0, 4.0	D	2006	2012	QBT019AGM		
GL Class X164 5.5	P	2006		QBT019AGM		
M Class W163 3.2, 3.7, 4.3, 5.0, 5.4	P	1998	2005	QBT019AGM	QBT0195	QBT0193
M Class W163 2.7	D	1999	2005	QBT019AGM	QBT0195	QBT0193
M Class W164 3.0, 4.0	D	2005	2011	QBT019AGM		
M Class W164 3.5, 5.0, 5.5	P	2005	2009	QBT019AGM		
M Class W164 6.2	P	2006	2011	QBT019AGM		
M Class W166 2.1, 3.0	D	2012		QBT019AGM		
M Class W166 3.5, 5.5	P	2012		QBT019AGM		
R Class W251 3.0	D	2006	2011	QBT019AGM		
R Class W251 3.5, 5.0, 5.5	P	2006	2008	QBT019AGM		
R Class V251 6.2	P	2006	2008	QBT019AGM	QBT0195	
S Class W140 2.8, 3.2, 4.2, 5.0, 6.2	P	1993	1999	QBT019AGM	QBT0195	QBT0193
S Class V140 3.2, 4.2	P	1993	1998	QBT019AGM	QBT0195	QBT0193
S Class V140 5.0	P	1993	1998	QBT019AGM	QBT0195	QBT0193
S Class C140 4.2, 5.0, 6.0	P	1996	1997	QBT019AGM	QBT0195	QBT0193
S Class W220 2.8, 3.2, 3.7, 4.3, 5.0, 5.4	P	1998	2006	QBT019AGM	QBT0195	QBT0193
S Class V220 3.2, 3.7, 4.3, 5.0, 5.4, 5.5, 5.8, 6.0	P	1998	2006	QBT019AGM	QBT0195	QBT0193
S Class W220 3.2	D	1999	2006	QBT019AGM	QBT0195	QBT0193
S Class V220 3.2	D	2002	2006	QBT019AGM	QBT0195	QBT0193
S Class W221 3.0, 3.5, 4.7, 5.5	P	2006	2008	QBT019AGM		
S Class V221 3.0	D	2006	2011	QBT019AGM		
S Class W221 3.0	D	2006	2011	QBT019AGM		
S Class V221 3.5, 4.7, 5.5, 6.0, 6.2	P	2006		QBT019AGM		
S Class W221 3.0	D	2010		QBT019AGM		
SL Class R129 2.8, 3.2, 5.0, 6.0	P	1993	2002	QBT019AGM	QBT0195	QBT0193
SL Class R230 3.0, 3.5, 3.7, 5.0, 5.4, 5.5, 6.0, 6.2	P	2002		QBT096AGM		
SLK Class R170 2.0, 2.3, 3.2	P	2000	2004	QBT096AGM	QBT0965	QBT0963
SLK Class R171 1.8, 3.0, 3.5, 5.4	P	2004	2012	QBT096AGM		
SLK Class R172 1.8, 3.5, 5.5	P	2011		QBT019AGM		

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Mercedes Benz						
SLR Class C199 5.4	P	2004	2008	QBT096AGM		
SLR Class C199 5.4	P	2008	2009	QBT019AGM		
SLR Class R199 5.4	P	2007		QBT096AGM		
SLS Class C197 6.2	P	2010		QBT019AGM		
SLS Class R197 6.2	P	2011		QBT019AGM		
Sprinter 1.8, 2.3	P	1995	2006	QBT096AGM	QBT0965	QBT0963
Sprinter 2.1, 2.2, 2.3, 2.2, 2.7, 2.9	D	1995	2006	QBT019AGM	QBT0195	QBT0193
Sprinter 2.1, 3.0	D	2006		QBT019AGM	QBT0195	QBT0193
V Class W638 2.3	P	1996	2004	QBT096AGM	QBT0965	QBT0963
V Class W638 2.8	P	1998	2003	QBT019AGM	QBT0195	QBT0193
V Class W638 2.2	D	1999	2004	QBT019AGM	QBT0195	QBT0193
Vaneo W414 1.6, 1.9	P	2002	2006	QBT096AGM	QBT0965	QBT0963
Vaneo W414 1.7	D	2002	2006	QBT096AGM	QBT0965	QBT0963
Viano W639 2.1, 3.0	D	2003		QBT019AGM	QBT0195	QBT0193
Viano W639 3.2, 3.5, 3.7	P	2003	2005	QBT096AGM	QBT0965	QBT0963
Vito W638 2.0	P	1996	2004	QBT096AGM	QBT0965	QBT0963
Vito W638 2.2, 2.3	D	1999	2004	QBT019AGM	QBT0195	QBT0193
Vito W639 2.1	D	2003		QBT019AGM	QBT0195	QBT0193
Vito W639 3.0	D	2006	2011	QBT019AGM	QBT0195	QBT0193
Vito W639 3.0	P	2010		QBT019AGM		

MG						
MG6 1.8	P	2011		QBT027AGM	QBT0275	QBT0273

Mini						
MINI 1.4, 1.6	P	2001	2006		QBT0635	QBT0633
MINI 1.4, 1.6	P	2006	2010	QBT027AGM	QBT0275	QBT0273
MINI 1.4	D	2003	2010	QBT096AGM	QBT0965	QBT0963
MINI 1.6	P	2010		QBT096AGM		
MINI 1.6	D	2010		QBT096AGM		
MINI 2.0	D	2011		QBT096AGM		

Mitsubishi						
3000 3.0	P	1992	1999			QBT0313
ASX 1.6	P	2010		QBT027AGM		
ASX 1.8	D	2010		QBT096AGM		
Carisma 1.6, 1.8	P	1995	1999			QBT005L3
Carisma 1.9	D	1997	1999			QBT0313
Carisma 1.6, 1.8, 2.0	P	1999	2005	QBT027AGM	QBT0275	QBT0273
Carisma 1.9	D	1999	2005	QBT096AGM	QBT0965	QBT0963
Carisma 2.0	P	1999	2003	QBT027AGM	QBT0275	QBT0273
Celeste 1.6, 2.0	P	1980	1981			QBT0303
Challenger 2.5, 2.8	D	1996	2005			QBT2503
Challenger 3.0, 3.5	P	1997	2000			QBT2503
Chariot 2.0, 2.4, 3.0	P	1992	2004			QBT0313
Chariot 1.8, 2.0	D	1984	1997			QBT2503
Colt 1.2, 1.3, 1.5, 1.6, 1.8	P	1984	1996			QT004L3 or QBT1583
Colt 1.2, 1.4	P	1980	1984			QBT1583
Colt 1.3	P	1996	2003			QBT0433
Colt 1.1	P	2004				QBT0793
Colt 1.1, 1.3	P	2003	2004			QBT0433
Colt 1.5	P	2004	2009	QBT027AGM	QBT0275	QBT0273

Model & Engine Size	Fuel	Year From To	SS Extra / SS	Powerbox Extra	Powerbox
Mitsubishi					
Colt 1.5	P	2006	QBT027AGM	QBT0275	QBT0273
Colt 1.5	D	2004 2009			QBT0313
Colt 1.6	P	1996 2003	QBT027AGM	QBT0275	QBT0273
Colt 1.6	P	2003 2004	QBT027AGM	QBT0275	QBT0273
Colt 1.8	D	1984 1988			QBT0313
Cordia 1.6, 1.8	P	1982 1985			QBT0313
Delica 2.0	P	1989 1997			QBT005R3
Delica 2.5, 2.8	D	1986 1999			QBT0313
Eclipse 1.8, 2.0, 2.4	P	1990 1999			QBT0313
Eclipse 2.4, 2.8	P	2004 2010			QBT0313
FTO 2.0	P	1999 2002			QBT0433
Galant 1.6, 2.0	P	1980 1988			QBT005R3
Galant 1.8, 2.0	P	1984 2003			QBT005R3
Galant 2.4, 2.5	P	1997 2003			QBT005R3
Galant 1.8, 2.0	D	1993 1996			QBT0313
Grandis 2.4	P	2004 2009			QBT0313
Grandis 2.0	D	2005 2011			QBT2503
i 0.7	P	2007 2010			QBT0443
L200 2.0	P	1986 1994			QBT0313
L200 2.5, 2.8	D	1986 2010			QBT2493 or QBT2503
L200 3.0	P	2001 2002			QBT0313
L300 1.6	P	1985 1994			QBT005R3
L300 2.5	D	1985 2001			QBT0313
L300 2.0, 2.4	P	1989 2001			QBT005R3
Lancer 1.4, 1.6	P	1980 1982			QBT005R3
Lancer 2.0	P	1981 1982			QBT0313
Lancer 1.2	P	1984 1985			QBT005R3
Lancer 1.5, 1.6, 1.8, 2.0	P	1984			QBT005R3
Lancer 1.8	D	1984 1989			QBT005R3
Lancer 2.0	D	1992 2006	QBT027AGM	QBT0275	QBT0273
Lancer 2.0	D	2008	QBT027AGM	QBT0275	QBT0273
Outlander 2.4	P	2004 2010			QBT0303
Outlander 2.0, 2.2	D	2007 2010			QBT2503
Outlander 2.3	D	2010			QBT2493
Pajero 2.3	D	1983 1986			QBT2503
Pajero 2.4, 3.5	P	1996 2007			QBT0313
Pajero 2.5	D	1986 2001			QBT2503
Pajero 2.6	P	1983 1991			QBT0313
Pajero 2.8, 3.2	D	1993 2007			QBT2503
Pajero 3.0	P	1988 1994			QBT0313
Pajero 3.5	P	1993 1997			QBT0313
Pajero io 1.8	P	1999 2007	QBT027AGM	QBT0275	QBT0273
Pajero io 2.0	P	1999 2007	QBT027AGM	QBT0275	QBT0273
Pajero Junior 1.1	P	1996 1998	QBT027AGM	QBT0275	QBT0273
Pajero Mini 0.7	P	1994 1998	QBT027AGM	QBT0275	QBT0273
Pajero Pinin 1.8, 2.0	P	1999 2006	QBT027AGM	QBT0275	QBT0273
Pajero Sport 2.5	D	2000 2007			QBT2503
Pajero Sport 3.0	P	2000 2007	QBT027AGM	QBT0275	QBT0273
RVR 2.0	D	1992 1997			
Sapporo 2.0	P	1980 1985			QBT005R3
Sapporo 2.4	P	1987 1989			QBT005R3

Model & Engine Size	Fuel	Year From To	SS Extra / SS	Powerbox Extra	Powerbox
Mitsubishi					
Shogun 2.6	P	1983 1991			QBT0313
Shogun 2.3, 2.5	D	1984 2000			QBT0313 or QBT2503
Shogun 3.0, 3.5	P	1989 2000			QBT0313
Shogun 2.8	D	1994 2000			QBT0313 or QBT2503
Shogun 3.2	D	2000 2007			QBT0313 or QBT2503
Shogun 3.5	P	2000 2007			QBT0313
Shogun 3.2	D	2007			QBT0313 or QBT2503
Shogun Pinin 1.8	P	1999 2006	QBT027AGM	QBT0275	QBT0273
Shogun Pinin 2.0	P	2000 2006	QBT027AGM	QBT0275	QBT0273
Shogun Sport 2.5	D	1999 2008			QBT0313 or QBT2503
Shogun Sport 3.0	P	2000 2001			QBT0313
Sigma 1.6, 1.2, 1.6, 2.0, 2.6, 3.0	P	1980 1996			QBT0313
Space Gear 2.4, 3.0	P	1994 2002			QBT0313
Space Gear 2.5, 2.8	D	1994 2002			QBT2503
Space Runner 1.8	P	1991 2000			QBT0313
Space Star 1.3, 1.6, 1.8	P	1998 2006	QBT027AGM	QBT0275	QBT0273
Space Star 1.9	D	2002 2006	QBT096AGM	QBT0965	QBT0963
Space Wagon 1.8, 2.0	P	1984 1992			QBT0313
Space Wagon 2.0, 2.4	P	1998 2004			QBT0313
Space Wagon 1.8	D	1985 1989			QBT2503
Space Wagon 2.0	D	1995 1996			QBT2503
Starion 2.0	P	1985 1989			QBT0313
Starion 2.6	P	1989 1989			QBT0313
Tredia 1.4, 1.6	P	1982 1985			QBT0313
Tredia 1.6	P	1982 1985			QBT0313
Nissan					
720 1.8, 2.2	P	1985 1986			QBT005R3
100NX 1.5, 1.6	P	1990 1995			QBT005L3
200 Series 1.8, 2.0, 2.4, 2.8,	P	1980 2001			QBT005R3
300 Series 3.0, 3.5	P	1984 2009			QBT0313
300 Series 3.7	P	2009			QBT0313
Almera 1.4, 1.6, 2.0	P	1995 2000			QBT005L3
Almera 2.0	D	1995 1999			QBT2493
Almera 1.5, 1.8	P	2000 2002		QBT0755	QBT0753
Almera 2.2	D	2000 2006		QBT1005	QBT1003
Almera 1.5, 1.8	P	2002 2006		QBT0755	QBT0753
Bluebird 1.6, 1.8, 2.0	P	1980 1990			QBT005R3
Bluebird 2.0	D	1986 1990			QBT0313
Cabstar 2.0	P	1985 1993			QBT0313
Cherry 1.0, 1.2, 1.3, 1.5	P	1980 1986			QBT0543
Cube 1.6	P	2009 2011			QBT005L3
D21 2.0, 2.4	P	1986 1998			QBT0313
D21 2.5, 2.7	D	1986 2008			QBT2503
Ebro Trade 2.0	D	1986 1988			QBT2503
GT-R 3.8	P	2009			QBT1583

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Nissan						
Juke 1.5	D	2010				QBT005L3
Juke 1.6	P	2010				QBT005L3
Kubistar 1.1	P	2003	2005	QBT027AGM	QBT0275	QBT0273
Kubistar 1.5	D	2003	2010	QBT096AGM	QBT0965	QBT0963
Laurel 2.0, 2.4	P	1980	1989			QBT0313
Maxima/QX 2.0, 3.0	P	1989	2003			QBT005L3
Micra 1.0, 1.2, 1.3	P	1983	2002			QBT0543
Micra 1.0, 1.2, 1.4	P	2002	2011		QBT0635	QBT0633
Micra 1.5	D	2003	2011		QBT0755	QBT0753
Micra 1.2	P	2007	2010		QBT0635	QBT0633
Micra 1.2	P	2010		QBT027AGM		
Murano 3.5	P	2004	2012	QBT096AGM	QBT0965	QBT0963
Murano 2.5, 3.0	D	2010		QBT096AGM	QBT0965	QBT0963
Navara 2.5, 3.0	D	2005		QBT096AGM	QBT0965	QBT0963
Note 1.4, 1.6	P	2006			QBT0635	QBT0633
Note 1.5	D	2006			QBT0755	QBT0753
NP300 2.5	D	2008	2010			QBT2493
NV200 1.5	D	2009		QBT027AGM	QBT0275	QBT0273
NV400 2.3	D	2011				QBT2493
Pao 1.0	P	1989	1993			QBT2493
Pathfinder 2.5	D	2005		QBT096AGM	QBT0965	QBT0963
Pathfinder 4.0	P	2005	2007	QBT027AGM	QBT0275	QBT0273
Patrol 2.8	P	1982	1989			QBT0313
Patrol 3.0	P	1989	1993			QBT0313
Patrol 2.8, 3.2	D	1982	2000			QBT2493
Patrol 4.2	P	1992	1998			QBT0313
Patrol 4.2	D	1993	1995			QBT2493
Patrol 3.0	D	2000				QBT2493
Pixo 1.0	P	2009				QBT0553
Prairie 1.5, 1.8, 2.0	P	1983	1991			QBT005L3
Primastar 1.9	D	2002	2006	QBT115AGM		QBT1153
Primastar 2.0	P	2003	2006	QBT115AGM		QBT1153
Primastar 2.0	D	2001		QBT115AGM		QBT1153
Primastar 2.5	D	2006	2012	QBT115AGM		QBT1153
Primera 1.6, 2.0,	P	1990	1999		QBT0755	QBT0753
Primera 1.6, 1.8, 2.0	P	1999	2002		QBT0755	QBT0753
Primera 2.0	D	1992	1999	QBT096AGM	QBT0965	QBT0963
Primera 2.0	D	1999	2003	QBT096AGM	QBT0965	QBT0963
Primera 2.2	D	2003	2006	QBT096AGM	QBT0965	QBT0963
Qashqai 1.5	D	2007		QBT096AGM	QBT0965	QBT0963
Qashqai 1.6	P	2007				QBT0793
Qashqai 2.0	P	2007		QBT027AGM	QBT0275	QBT0273
Qashqai 2.0	D	2007		QBT096AGM	QBT0965	QBT0963
Qashqai 1.5	D	2009		QBT096AGM	QBT0965	QBT0963
Qashqai 1.6	D	2011		QBT096AGM		
Serena 1.6, 2.0	P	1993	2000			QBT005R3
Serena 2.0, 2.3, 2.5	D	1993	2005			QBT2503
Silvia 1.8, 2.0	P	1984	2001			QBT005R3
Skyline 2.0, 2.5, 2.6	P	1986	2006			QBT005R3
Skyline 3.0, 3.5	P	2001	2006			QBT0313

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Nissan						
Stanza 1.6, 1.8	P	1982	1986			QBT005R3
Sunny 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0	P	1980	1993			QBT005R3
Sunny 1.7, 2.0	D	1986	1996			QBT2503
Terrano 2.4, 3.0, 3.3	P	1993	2004			QBT0313
Terrano 2.7, 3.0, 3.2	D	1989	2004			QBT2503
Tino 1.8, 2.0	P	2000	2006		QBT0755	QBT0753
Tino 2.2	D	2000	2006		QBT1005	QBT1003
Urvan 2.0	P	1985	1993			QBT005R3
Urvan 2.3, 2.5	D	1985	1996			QBT2503
Vanette 1.5	P	1986	1995			QBT005R3
Vanette 2.0, 2.3	D	1986	2002			QBT0313
Violet 1.4, 1.6	P	1980	1982			QBT004R3
X-Trail 2.0	P	2001	2009	QBT096AGM	QBT0965	QBT0963
X-Trail 2.0, 2.2	D	2001				QBT0303 or QBT2493
X-Trail 2.0, 2.5	P	2003		QBT096AGM	QBT0965	QBT0963

Noble						
M10 2.5	P	1999	2001		QBT0755	QBT0753
M12 2.6	P	2000	2003		QBT0755	QBT0753
M12 3.0	P	2003	2006		QBT0755	QBT0753
M14 3.0	P	2004	2005		QBT0755	QBT0753
M15 3.0	P	2006	2008		QBT0755	QBT0753
M400 3.0	P	2004	2006		QBT0755	QBT0753
M600 4.4	P	2009			QBT0755	QBT0753

Perodua						
Kelisa 1.0	P	2002	2009			QBT0543
Kenari 1.0	P	2000	2010			QBT0543
Myvi 1.3	P	2006				QBT0543
Nippa 0.8	P	1997	2002			QBT0543

Peugeot						
104 1.0, 1.1, 1.4	P	1980	1983			QBT0483
106 1.0, 1.4	P	1991	1996			QBT0793
106 1.1, 1.3, 1.4, 1.6	P	1994	2003			QBT0793
106 1.4, 1.5	D	1993	2003	QBT027AGM	QBT0275	QBT0273
107 1.0	P	2005				QBT2023
205 1.0, 1.1, 1.4	P	1983	1994			QBT0793
205 1.6	P	1984	1997			QBT0793
205 1.8	D	1983	1996	QBT027AGM	QBT0275	QBT0273
205 1.9	P	1987	1994			QBT0793
206 1.1	P	1998	2005			QBT0793
206 1.4	P	1998	2009			QBT0793
206 1.4	D	2002	2009	QBT027AGM	QBT0275	QBT0273
206 1.6	P	1998	2008			QBT0793
206 1.6	D	1998	2007	QBT027AGM	QBT0275	QBT0273
206 2.0	P	2000	2007	QBT027AGM	QBT0275	QBT0273
206 2.0	D	2000	2005	QBT027AGM	QBT0275	QBT0273
207 1.4	P	2006				QBT0793
207 1.4	D	2006		QBT027AGM	QBT0275	QBT0273
207 1.6	P	2006				QBT0793

Model & Engine Size	Fuel	Year From To		SS Extra / SS	Powerbox Extra	Powerbox
Peugeot						
207 1.6	D	2006		QBT027AGM	QBT0275	QBT0273
208 1.0, 1.2, 1.4, 1.6	P	2012		QBT027AGM		
208 1.4	D	2012		QBT096AGM		
208 1.6	D	2012		QBT027AGM	QBT0275	QBT0273
305 1.3, 1.5, 1.6	P	1980	1990			QBT0793
305 1.5, 1.8, 1.9	D	1980	1990	QBT096AGM	QBT0965	QBT0963
305 1.9	P	1984	1988	QBT027AGM	QBT0275	QBT0273
306 1.4, 1.6	P	1993	2003			QBT0793
306 1.8, 2.0	P	1993	2003	QBT027AGM	QBT0275	QBT0273
306 1.9, 2.0	D	1993	2002	QBT027AGM	QBT0275	QBT0273
307 1.4, 1.3	P	2001	2009			QBT0793
307 1.4, 1.6	D	2001	2009	QBT027AGM	QBT0275	QBT0273
307 2.0	D	2001	2004	QBT027AGM	QBT0275	QBT0273
307 2.0	D	2004	2009	QBT096AGM	QBT0965	QBT0963
308 1.4, 1.6	P	2007	2010	QBT027AGM	QBT0275	QBT0273
308 1.6	D	2007	2010	QBT027AGM	QBT0275	QBT0273
308 2.0	D	2007	2010	QBT096AGM	QBT0965	QBT0963
309 1.1, 1.3, 1.4, 1.6, 1.9	P	1986	1986			QBT0793
309 1.8, 1.9	D	1990	1993	QBT027AGM	QBT0275	QBT0273
405 1.8, 1.9	D	1988	1997	QBT027AGM	QBT0275	QBT0273
405 1.4, 1.6, 1.9	P	1992	1997			QBT0793
405 2.0	P	1992	1997	QBT027AGM	QBT0275	QBT0273
406 1.8, 2.0, 2.2	P	1996	2004	QBT027AGM	QBT0275	QBT0273
406 1.9	D	1996	1999	QBT096AGM	QBT0965	QBT0963
406 2.1	D	1996	1999	QBT096AGM	QBT0965	QBT0963
406 2.9	P	1997	2003	QBT096AGM	QBT0965	QBT0963
406 2.0	D	1998	2004	QBT027AGM	QBT0275	QBT0273
406 1.7	P	2000	2004			QBT0793
406 2.2	D	2000	2004	QBT027AGM	QBT0275	QBT0273
407 1.6	D	2004	2011	QBT027AGM	QBT0275	QBT0273
407 1.7, 2.0, 2.2, 2.9	P	2004	2012	QBT027AGM	QBT0275	QBT0273
407 2.0, 2.2, 2.7, 3.0	D	2004	2011	QBT096AGM	QBT0965	QBT0963
504 1.8, 2.0	P	1980	1994			QBT0773
504 2.1, 2.3	D	1980	1994			QBT0863
505 2.3, 2.5	D	1980	1991			QBT0863
505 1.8, 2.0, 2.2, 2.8	P	1985	1991	QBT027AGM	QBT0275	QBT0273
508 1.6	P	2011		QBT027AGM	QBT0275	QBT0273
508 1.6, 2.0, 2.2	D	2011		QBT096AGM	QBT0965	QBT0963
604 2.3, 2.5	D	1980	1984	QBT096AGM	QBT0965	QBT0963
604 2.7, 2.8	P	1980	1984	QBT096AGM	QBT0965	QBT0963
605 2.0, 3.0	P	1990	1999	QBT027AGM	QBT0275	QBT0273
605 2.1	D	1990	1999	QBT096AGM	QBT0965	QBT0963
607 2.9	P	2000	2009	QBT096AGM	QBT0965	QBT0963
607 2.0, 2.2	P	2000	2005	QBT027AGM	QBT0275	QBT0273
607 2.0, 2.2	D	2001	2009	QBT096AGM	QBT0965	QBT0963
806 1.9, 2.0	D	1995	2002		QBT1005	QBT1003
806 2.0	P	1995	2002	QBT027AGM	QBT0275	QBT0273
807 2.0, 2.2	P	2002	2010	QBT027AGM	QBT0275	QBT0273
807 2.0, 2.2	D	2002	2011	QBT096AGM	QBT0965	QBT0963
1007 1.4, 1.6	P	2005	2009			QBT0793
1007 1.4, 1.6	D	2005	2009	QBT027AGM	QBT0275	QBT0273

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		From	To			
Peugeot						
3008 1.6	P	2009		QBT027AGM	QBT0275	QBT0273
3008 1.6	D	2009		QBT027AGM	QBT0275	QBT0273
3008 1.6, 2.0	D	2009	2011	QBT096AGM	QBT0965	QBT0963
3008 1.6, 2.0	D	2011		QBT096AGM		
4007 2.2	D	2007		QBT096AGM		
5008 1.6	P	2010		QBT027AGM	QBT0275	QBT0273
5008 1.6, 2.0	D	2010		QBT096AGM	QBT0965	QBT0963
Bipper 1.4	P	2008	2012			QBT0793
Bipper 1.4	D	2008	2010			QBT0793
Bipper 1.2	D	2010		QBT027AGM	QBT0275	QBT0273
Boxer 1.9, 2.0, 2.2, 2.4, 2.8, 3.0	D	1994		QBT019AGM	QBT0195	QBT0193
Boxer 2.0	P	1994		QBT096AGM	QBT0965	QBT0963
Expert 1.6, 1.9, 2.0	D	2007		QBT096AGM	QBT0965	QBT0963
J5/Express 1.8, 2.0	P	1985	1994	QBT096AGM	QBT0965	QBT0963
Partner 1.4, 1.6	P	1996				QBT0793
Partner 1.8, 1.9	D	1996	2000	QBT027AGM	QBT0275	QBT0273
Partner 2.0	D	2002	2007	QBT096AGM	QBT0965	QBT0963
Partner 1.6	D	2005		QBT027AGM	QBT0275	QBT0273
RCZ 1.6, 1.8	P	2010		QBT027AGM	QBT0275	QBT0273
RCZ 2.0	D	2010		QBT027AGM	QBT0275	QBT0273

Piaggio						
Porter 1.3	P	2004				QBT1583
Porter 1.3	P	2005				QBT1583
Porter 1.4	D	2004	2007	QBT027AGM	QBT0275	QBT0273

Porsche						
911 2.0	P	1964	1969	QBT096AGM	QBT0965	QBT0963
911 2.2, 2.3, 2.7	P	1969	1973		QBT0755	QBT0753
911 2.7, 3.0, 3.2, 3.3, 3.4	P	1973	2001	QBT096AGM	QBT0965	QBT0963
911 3.4	P	2011		QBT096AGM	QBT0965	
911 3.6	P	1989	2009	QBT096AGM	QBT0965	QBT0963
911 3.6	P	2009	2011	QBT115AGM or QBT096AGM	QBT0966	QBT1153 or QBT0963
911 3.7, 3.8	P	1995	2009	QBT096AGM	QBT0965	QBT0963
911 3.8	P	2009		QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
911 4.0	P	2011		QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
912 1.6	P	1965	1970		QBT0755	QBT0753
924 2.0, 2.5	P	1977	1988		QBT0755	QBT0753
928 4.5, 4.7, 5.0, 5.4	P	1978	1995		QBT1005	QBT1003
944 2.5, 2.7, 3.0	P	1982	1992		QBT1005	QBT1003
959 2.8	P	1987	1989		QBT1005	QBT1003
968 3.0	P	1993	1995		QBT1005	QBT1003
Boxster 2.5, 2.7, 3.2, 3.4	P	1996	1999	QBT115AGM		QBT1153
Carrera GT 5.7	P	2004	2006	QBT115AGM		QBT1153
Cayenne 3.0	P/E	2010		QBT115AGM		
Cayenne 3.2, 4.5	P	2003	2007			QBT0203
Cayenne 3.6	P	2007	2010	QBT019AGM	QBT0195	QBT0193
Cayenne 3.6	P	2010		QBT115AGM		
Cayenne 4.8	P	2007	2010			QBT0203
Cayenne 3.0	D	2009	2010			QBT0203

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Porsche						
Cayman 2.7, 2.9, 3.4	P	2005		QBT115AGM		QBT1153
Cayman 3.4	P	2011		QBT019AGM		
Panamera 3.0	P/E	2011		QBT019AGM		
Panamera 3.0	D	2011		QBT019AGM		
Panamera 3.6	P	2010		QBT019AGM		
Panamera 4.8	P	2009				QBT0203

Proton						
Proton 1.3, 1.5	P	1989	1997			QBT0313
Compact 1.3, 1.5, 1.6, 1.8	P	1995	2001			QBT0313
Coupe 1.8	P	1997	2001			QBT0313
Gen 2 1.6	P	2004				QBT0783
Gen 2 1.3, 1.6	P	2004				QBT0783
Impian 1.6	P	2001	2008			QBT005R3
Jumbuck 1.5	P	2003	2006			QBT005R3
Persona 1.3, 1.5, 1.6, 1.8	P	1993	2000			QBT005R3
Persona 2.0	D	1996	1999			QBT0313
Satria 1.3, 1.5, 1.6, 1.8	P	2000	2004			QBT005R3
Savvy 1.1	P	2006				QBT1583
Wira 1.3, 1.5, 1.6, 1.8	P	2000	2004			QBT005R3
Wira 2.0	D	2000	2001			QBT0313

Reliant						
Fox 0.8	P	1985	1991			QBT1013
Kitten 0.8	P	1980	1983			QBT1043
Rialto 0.8	P	1982	1995			QBT1043
Robin 0.8	P	1980	2002			QBT1013
Scimitar 1.3, 1.4, 1.6, 1.8, 2.8	P	1980	1995			QBT0383

Renault						
Alpine/GTA 2.5, 2.8, 3.0	P	1986	1996	QBT027AGM	QBT0275	QBT0273
Avantime 2.0, 2.9	P	2002	2003	QBT096AGM	QBT0965	QBT0963
Clio MK 1 1.2	P	1991	1996		QBT0635	QBT0633
Clio MK 1 1.4	P	1991	1996		QBT0635	QBT0633
Clio MK 1 1.8	P	1991	1996		QBT0635	QBT0633
Clio MK 1 1.8	P	1991	1994		QBT0635	QBT0633
Clio MK 1 1.1, 1.2, 1.4	P	1991	1998		QBT0635	QBT0633
Clio MK 1 1.8, 2.0	P	1991	1998		QBT0635	QBT0633
Clio MK 1 1.9	D	1991	1998		QBT0755	QBT0753
Clio MK 2 (phase 1&2) 1.1, 1.4, 1.6	P	1998	2009		QBT0635	QBT0633
Clio MK 2 (phase 1&2) 1.5, 1.9	D	1998	2009		QBT0755	QBT0753
Clio MK 2 (phase 1&2) 2.0, 2.9	P	1998	2009	QBT027AGM	QBT0275	QBT0273
Clio MK 3 (phase 1&2) 1.5	D	2005	2011	QBT096AGM	QBT0965	QBT0963
Clio MK 3 (phase 1&2) 1.1, 1.4, 1.6	P	2005	2011		QBT0635	QBT0633
Clio MK 3 (phase 1&2) 1.5	D	2005	2011		QBT1005	QBT1003
Clio MK 3 (phase 1&2) 2.0	P	2005	2011	QBT027AGM	QBT0275	QBT0273
Espace MK 1 2.0	P	1985	1991	QBT096AGM	QBT0965	QBT0963
Espace MK 2 2.0, 2.2, 2.8	P	1991	1997	QBT096AGM	QBT0965	QBT0963
Espace MK 2 2.1	D	1993	1997	QBT096AGM	QBT0965	QBT0963
Espace MK 3 2.0, 2.9, 3.0	P	1997	2003	QBT096AGM	QBT0965	QBT0963

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Renault						
Espace MK 3 2.2	D	1997	2003	QBT096AGM	QBT0965	QBT0963
Espace MK 4 1.9, 2.0, 2.2, 3.0	D	2003	2012	QBT115AGM		QBT1153
Espace MK 4 2.0, 3.5	P	2003	2011	QBT096AGM	QBT0965	QBT0963
Extra 1.6, 1.9	D	1986	1998	QBT027AGM	QBT0275	QBT0273
Extra 1.1, 1.2, 0.4	P	1986	1998		QBT0635	QBT0633
Fuego 1.4	P	1980	1984			QBT0483
Fuego 1.6, 2.0	P	1980	1986			QBT0793
Kangoo MK 1 1.1, 1.4	P	1998	2009			QBT0793
Kangoo MK 1 1.5, 1.9	D	2002	2008	QBT027AGM or QB-T096AGM	QBT0275 or QBT0965	QBT0273 or QBT0963
Kangoo MK 1 1.6	P	2001	2009	QBT027AGM	QBT0275	QBT0273
Kangoo MK 2 1.5	D	2008		QBT027AGM or QB-T096AGM	QBT0275 or QBT0965	QBT0273 or QBT0963
Kangoo MK 2 1.6	P	2008		QBT027AGM	QBT0275	QBT0273
Koleos 2.0	D	2008	2011			QBT2493
Laguna MK 1 1.6, 1.8, 1.9, 2.0	P	1994	2000	QBT027AGM	QBT0275	QBT0273
Laguna MK 1 1.9, 2.2	D	1994	2000	QBT096AGM	QBT0965	QBT0963
Laguna MK 1 2.9, 3.0	P	1994	2000	QBT096AGM	QBT0965	QBT0963
Laguna MK 2 1.6, 1.8, 2.0	P	2000	2007	QBT027AGM	QBT0275	QBT0273
Laguna MK 2 1.9, 2.0, 2.2	D	2000	2007	QBT096AGM	QBT0965	QBT0963
Laguna MK 2 2.9	P	2000	2007	QBT096AGM	QBT0965	QBT0963
Laguna MK 3 1.5	D	2007	2012	QBT096AGM	QBT0965	QBT0963
Laguna MK 3 2.0	P	2007	2012	QBT027AGM	QBT0275	QBT0273
Laguna MK 3 3.5	P	2007	2012	QBT096AGM		
Laguna MK 3 Dci110 & Dci130 1.5, 2.0	D	2007	2012	QBT096AGM	QBT0965	QBT0963
Laguna MK 3 Dci150, Dci175 & Dci180 2.0	D	2007	2012	QBT115AGM		QBT1153
Laguna MK 3 3.0	D	2007	2012	QBT115AGM		
Master MK 1 2.0	P	1985	1994	QBT096AGM	QBT0965	QBT0963
Master MK 1 2.0	P	1985	1990	QBT096AGM	QBT0965	QBT0963
Master MK 1 2.2	P	1994	1998	QBT096AGM	QBT0965	QBT0963
Master MK 1 2.4, 2.5	D	1985	1998	QBT019AGM	QBT0195	QBT0193
Master MK 2 1.9, 2.2, 2.5, 2.8	D	1998	2010	QBT019AGM	QBT0195	QBT0193
Master MK 3 1.9, 2.2, 2.5, 3.0	D	2003	2010	QBT019AGM	QBT0195	QBT0193
Master MK 4 2.3	D	2010		QBT019AGM	QBT0195	QBT0193
Maxity 2.5, 3.0	D	2007		QBT096AGM	QBT0965	QBT0963
Megane MK 1 1.4	P	1996	2002		QBT0635	QBT0633
Megane MK 1 1.6, 1.8, 2.0	P	1996	2002	QBT027AGM	QBT0275	QBT0273
Megane MK 1 1.9	D	1996	2002	QBT096AGM	QBT0965	QBT0963
Megane MK 2 1.4	P	2002	2008		QBT0635	QBT0633
Megane MK 2 1.5	D	2002	2008	QBT027AGM	QBT0275	QBT0273
Megane MK 2 1.6, 2.0	P	2002	2008	QBT027AGM	QBT0275	QBT0273
Megane MK 2 1.9, 2.0	D	2002	2008	QBT096AGM	QBT0965	QBT0963
Megane MK 2 2.0	P	2008		QBT027AGM	QBT0275	QBT0273
Megane MK 3 1.2	P	2012		QBT027AGM		
Megane MK 3 Dci86, Dci90, Dci106 & Dci110 1.5	D	2008	2012	QBT027AGM	QBT0275	QBT0273
Megane MK 3 Dci130, Dci150 & Dci160 1.5, 2.0	D	2008	2012	QBT096AGM	QBT0965	QBT0963
Megane MK 3 1.5, 1.6	D	2012		QBT115AGM		
Modus 1.1, 1.5, 1.6	P	2004				QBT0793
Modus 1.5	D	2004		QBT027AGM	QBT0275	QBT0273
R4 0.8, 1.1	P	1980	1982			QBT0483

Model & Engine Size	Fuel	Year From	To	SS Extra / SS	Powerbox Extra	Powerbox
Renault						
R5 1.6, 1.8	D	1986	1990		QBT0755	QBT0753
R5 0.8, 1.1, 1.2, 1.3, 1.4, 1.7	P	1980	1991		QBT0635	QBT0633
R9 1.6	D	1982	1987	QBT096AGM	QBT0965	QBT0963
R9 1.1, 1.2, 1.4, 1.7	P	1982	1991			QBT0793
R11 1.1, 1.4, 1.7	P	1983	1989			QBT0793
R11 1.6	D	1984	1989	QBT096AGM	QBT0965	QBT0963
R18 1.4, 1.6, 1.7, 2.0	P	1980	1986			QBT0793
R18 2.1	D	1980	1986	QBT027AGM	QBT0275	QBT0273
R19 1.4, 1.6, 1.7, 1.8, 2.0	P	1989	1992			QBT0793
R19 1.9, 2.1	D	1989	1996	QBT027AGM	QBT0275	QBT0273
R21 1.7, 2.0	P	1986	1992			QBT0793
R21 2.1	D	1986	1989	QBT096AGM	QBT0965	QBT0963
R25 2.0, 2.2	P	1984	1992			QBT0793
R25 2.5, 2.7, 2.8	P	1985	1990	QBT027AGM	QBT0275	QBT0273
Safrane 2.5	D	1995	1996	QBT096AGM	QBT0965	QBT0963
Safrane 1.9, 2.0, 2.2, 2.4, 3.0	P	1996	1998	QBT096AGM	QBT0965	QBT0963
Scenic MK 1 1.4	P	1999	2003		QBT0635	
Scenic MK 1 1.6, 1.8, 2.0	P	1999	2003		QBT0755	
Scenic MK 1 1.9	D	1999	2003		QBT1005	
Scenic MK 2 1.4, 1.6, 2.0	P	2003	2009		QBT0755	QBT0753
Scenic MK 2 1.5, 1.9, 2.0	D	2003	2009	QBT096AGM	QBT0965	QBT0963
Scenic MK 3 1.2	P	2012		QBT027AGM		
Scenic MK 3 1.4, 1.6, 2.0	P	2009			QBT0635	QBT0633
Scenic MK 3 1.5, 1.6	D	2012		QBT115AGM		
Scenic MK 3 1.5, 1.6, 2.0	D	2009	2012	QBT096AGM	QBT0965	QBT0963
Scenic MK 3 1.6	P	2012		QBT027AGM		
Spider 2.0	P	1997	1998		QBT0755	QBT0753
Trafic MK 1 1.9, 2.0, 2.1	D	1997		QBT096AGM	QBT0965	QBT0963
Trafic MK 1 2.5	D	1989		QBT019AGM	QBT0195	QBT0193
Trafic MK 1 1.4, 1.6, 1.7, 2.0, 2.2	P	1985			QBT0755	QBT0753
Twingo 1.1	P	2007				QBT0793
Twingo 1.6	P	2008	2012			QBT0793
Twingo 1.6	P	2012		QBT027AGM	QBT0275	QBT0273
Vel Satis 2.0	P	2002	2005		QBT1005	QBT1003
Vel Satis 2.2, 3.0	D	2002	2006	QBT115AGM		QBT1153
Vel Satis 3.5	P	2002	2005		QBT1005	QBT1003
Wind 1.1, 1.6	P	2010	2012	QBT096AGM		

Reva						
G-wiz	E				T125-LPT x 8	

Rolls Royce						
Camargue 6.8	P	1980	1985			QBT0723
Corniche 6.8	P	1980	1989			QBT0723
Corniche 6.8	P	2000	2002	QBT019AGM	QBT0195	
Flying Spur 6.8	P	1994	1995			QBT0723
Ghost 6.6	P	2009		QBT019AGM		
Park Ward 5.4, 6.8	P	1997	2000			QBT0723
Park Ward 5.4	P	2000	2002			QBT0723
Phantom 6.7	P	2003		QBT019AGM	QBT0195	
Phantom 6.8	P	1980	1991	QBT019AGM	QBT0195	

Model & Engine Size	Fuel	Year From	To	SS Extra / SS	Powerbox Extra	Powerbox
Rolls Royce						
Silver Dawn 6.8	P	1995	1998			QBT0723
Silver Seraph 5.4	P	1998	2002			QBT0723
Silver Shadow 6.8	P	1980	1980			QBT0723
Silver Spirit 6.8	P	1980	1986			QBT0723
Silver Wraith 6.8	P	1980	1980			QBT0723

Rover						
25 Series 1.1, 1.4, 1.8	P	1999	2007		QBT0635	QBT0633
25 Series 1.8	P	1999	2007		QBT0755	QBT0753
25 Series 2.0	D	1999	2007		QBT1005	QBT1003
45 Series 1.4, 1.6	P	1999	2007		QBT0635	QBT0633
45 Series 1.8, 2.0	P	1999	2004		QBT0755	QBT0753
45 Series 2.0	D	1999	2007		QBT1005	QBT1003
75 Series 1.8, 2.0	P	1999	2007		QBT0755	QBT0753
75 Series 2.0	D	1999	2007		QBT1005	QBT1003
75 Series 2.5	P	1999	2007	QBT096AGM	QBT0965	QBT0963
75 Series 4.6	P	2004	2007	QBT096AGM	QBT0965	QBT0963
100 Series 1.1, 1.4	P	1994	1998		QBT0635	QBT0633
100 Series 1.4	P	1995	1997		QBT0635	QBT0633
100 Series 1.5	D	1994	1998		QBT0755	QBT0753
200 Series 1.1, 1.3, 1.6	P	1984	2000		QBT0635	QBT0633
200 Series 1.6, 1.8, 2.0	P	1985	2000		QBT0755	QBT0653
200 Series 1.8	D	1991	1996		QBT0755	QBT0753
200 Series 1.9	D	1991	1996		QBT0755	QBT0753
200 Series 2.0	D	1995	2000		QBT0755	QBT0753
200 Series 2.0	D	1995	2000		QBT0755	QBT0753
400 Series 1.4, 1.6	P	1990	2000		QBT0635	QBT0633
400 Series 1.8, 1.9, 2.0	D	1991	2000		QBT0755	QBT0753
400 Series 1.8, 2.0	P	1996	2000		QBT0755	QBT0753
600 Series 1.9, 2.0, 2.3	P	1993	2000		QBT0755	QBT0753
600 Series 2.0	D	1994	1999		QBT1005	QBT1003
800 Series 2.0, 2.5, 2.7	P	1986	1999	QBT027AGM	QBT0275	QBT0273
800 Series 2.5	D	1990	1999	QBT096AGM	QBT0965	QBT0963
Allegro 1.0, 1.1, 1.3, 1.5, 1.7	P	1980	1983			QBT0383
Ambassador 1.7, 2.0	P	1982	1984			QBT0693
Cityrover 1.4	P	2003	2007		QBT0635	QBT0633
Commerce 1.4	P	2003	2007		QBT0635	QBT0633
Commerce 2.0	D	2003	2007		QBT0755	QBT0753
Maestro 1.3, 1.6, 2.0	P	1983	1987		QBT0635	QBT0653
Maestro 2.0	D	1985	1994		QBT1005	QBT0633
Metro 1.0, 1.1, 1.3, 1.4	P	1980	1995		QBT0635	QBT0633
Metro 1.4	D	1992	1995		QBT0635	QBT0633
MG Express 1.4, 1.8	P	2003	2007		QBT0635	QBT0633
MG Express 1.8	P	2003	2007		QBT0635	QBT0633
MG Express 2.0	D	2003	2007		QBT0755	QBT0753
MGA 1.5, 1.6	P	1955	1962			QBT0383
MGB 1.8	P	1962	1967			QBT421 x 2
MGB 1.8	P	1967	1981			QBT0313
MGB 3.5	P	1973	1976			QBT421 x 2
MGC 2.9	P	1967	1969			QBT0313
MGF 1.6, 1.8	P	1995	2002		QBT0755	QBT0653
MGR 3.9	P	1992	1995		QBT0755	QBT0753

CAR & LIGHT COMMERCIAL VEHICLE

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Rover						
MGTF 1.6, 1.8	P	2002	2009		QBT0755	QBT0753
MGZR 1.4	P	2001	2007		QBT0635	QBT0633
MGZR 1.8	P	2001	2007		QBT0755	QBT0753
MGZR 2.0	D	2001	2007		QBT1005	QBT1003
MGZS 1.6	P	2003	2007		QBT0635	QBT0633
MGZS 1.8, 2.5	P	2001	2007		QBT0755	QBT0753
MGZS 2.0	D	2002	2007		QBT1005	QBT1003
MGZT 1.8	P	2002	2007		QBT0755	QBT0753
MGZT 2.0	D	2002	2007		QBT1005	QBT1003
MGZT 2.5	P	2001	2007		QBT0755	QBT0753
MGZT 4.6	P	2003	2007		QBT1005	QBT1003
Mini 0.8, 1.1, 1.3	P	1959	1982			QBT0383
Mini 1.0, 1.3	P	1982	2001			QBT0383
Montego 1.3, 1.6, 2.0	P	1984	1992		QBT0755	QBT0653
Montego 2.0	D	1988	1994		QBT1005	QBT1003
SD1 2.0	P	1982	1986			QBT0383
SD1 2.4, 2.6	P	1980	1987			QBT0383
SD1 3.5	P	1980	1986			QBT0693
SD1 2.4	D	1982	1986			QBT0383

Saab						
90 2.0	P	1984	1985			QBT0693
99 2.0	P	1980	1984			QBT0693
900 2.0	P	1980	1993			QBT0693
900 2.0, 2.3, 2.5	P	1993	1998	QBT027AGM	QBT0275	QBT0273
9000 2.0, 2.3,	P	1985	1998	QBT027AGM	QBT0275	QBT0273
9000 3.0	P	1994	1998	QBT096AGM	QBT0965	QBT0963
9-3 1.8, 2.0, 2.3	P	1998		QBT027AGM	QBT0275	QBT0273
9-3 1.9, 2.2	D	2004		QBT096AGM	QBT0965	QBT0963
9-3 2.8	P	2005		QBT096AGM	QBT0965	QBT0963
9-5 1.6, 2.0, 2.3, 2.8, 3.0	P	1997		QBT096AGM	QBT0965	QBT0963
9-5 1.9, 2.0, 2.2, 3.0	D	2000	2010	QBT096AGM	QBT0965	QBT0963
9-5 2.0	D	2010		QBT115AGM		QBT1153

Santana						
PS10 2.8	D	2004	2008			QBT2493

Sao						
Penza 1.3	P	1991	1993			QBT005L3

Seat						
Alhambra 1.4	P	2010		QBT027AGM	QBT0275	QBT0273
Alhambra 1.8, 2.0, 2.8	P	1996		QBT027AGM	QBT0275	QBT0273
Alhambra 1.9, 2.0	D	1996	2011	QBT096AGM	QBT0965	QBT0963
Alhambra 2.0	D	2011		QBT096AGM		
Altea 1.2, 1.4	P	2007				QBT0793
Altea 1.6, 1.8, 2.0	P	2004	2011	QBT027AGM	QBT0275	QBT0273
Altea 1.6	D	2011		QBT096AGM		
Altea 1.9, 2.0	D	2004	2011	QBT096AGM	QBT0965	QBT0963
Arosa 1.0, 1.4	P	1997	2004		QBT0635	QBT0633
Arosa 1.4, 1.7	D	2001	2004		QBT0755	QBT0753
Cordoba 1.4, 1.6	P	1995	2001		QBT0635	QBT0633
Cordoba 1.8, 2.0	P	1994	2001		QBT0755	QBT0753

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Seat						
Cordoba 1.9	D	1994	2006		QBT1005	QBT1003
Exeo 2.0	P	2009		QBT027AGM	QBT0275	QBT0273
Exeo 2.0	D	2009		QBT096AGM	QBT0965	QBT0963
Ibiza 0.9	P	1987	1992			QBT0773
Ibiza 1.0, 1.2, 1.3, 1.4	P	1990	2011			QBT0793
Ibiza 1.2, 1.4	P	2010		QBT027AGM		
Ibiza 1.2, 1.4	D	2010		QBT027AGM		
Ibiza 1.4, 1.6	D	2003	2010	QBT027AGM	QBT0275	QBT0273
Ibiza 1.5, 1.7	P	1986	1992			QBT0773
Ibiza 1.6	P	1993				QBT0793
Ibiza 1.7	D	1990	1993			QBT0783
Ibiza 1.8, 2.0	P	1993		QBT027AGM	QBT0275	QBT0273
Ibiza 1.9, 2.0	D	1993	2010	QBT096AGM	QBT0965	QBT0963
Inca 1.4	P	1998	1999	QBT027AGM	QBT0275	QBT0273
Inca 1.9	D	1996	2004	QBT027AGM	QBT0275	QBT0273
Leon 1.2	P	2009		QBT027AGM	QBT0275	QBT0273
Leon 1.4	P	2000	2006			QBT0793
Leon 1.4	P	2006		QBT027AGM	QBT0275	QBT0273
Leon 1.6	D	2010		QBT096AGM		
Leon 1.6, 1.8, 2.0	P	2000		QBT027AGM	QBT0275	QBT0273
Leon 1.9, 2.0	D	2000		QBT096AGM	QBT0965	QBT0963
Malaga 1.2, 1.5	P	1985	1989			QBT0773
Malaga 1.7	D	1990	1992			QBT0783
Marbella 0.8, 0.9	P	1988	1995			QBT0773
Mii 1.0	P	2012				QBT2023
Mii 1.0 Ecodrive	P	2012		QBT027AGM		
Terra 0.9	P	1987	1993			QBT0793
Terra 1.3, 1.4	D	1990	1994	QBT027AGM	QBT0275	QBT0273
Toledo 1.6	P	1991	1999			QBT0793
Toledo 1.6, 1.8, 2.0, 2.3	P	1991	2008	QBT027AGM	QBT0275	QBT0273
Toledo Fsi 2.0	P	2004	2006	QBT096AGM	QBT0965	QBT0963
Toledo 1.9, 2.0	D	1991	2010	QBT096AGM	QBT0965	QBT0963

Skoda						
Citigo 1.0	P	2012				QBT2023
Citigo 1.0 Greentech	P	2012		QBT027AGM		
Cube Van 1.3, 1.6	P	1997	2001		QBT0635	QBT0633
Cube Van 1.9	D	1997	2001		QBT0755	QBT0753
Estelle 105>135 1.0, 1.2, 1.3	P	1980	1990		QBT0635	QBT0633
Fabia 1.0, 1.2	P	2000	2010			QBT0793
Fabia 1.2	P	2010		QBT027AGM	QBT0275	QBT0273
Fabia 1.2, 1.6	D	2010		QBT096AGM	QBT0965	QBT0963
Fabia 1.4, 1.6, 2.0	P	2001		QBT027AGM	QBT0275	QBT0273
Fabia 1.4, 1.9	D	2003	2010	QBT096AGM	QBT0965	QBT0963
Favorit 1.3	P	1989	1996			QBT0793
Felicia 1.3, 1.6	P	1995	2000			QBT0793
Felicia 1.9	D	1997	2000	QBT027AGM	QBT0275	QBT0273
Octavia 1.2	P	2010	2013	QBT027AGM	QBT0275	QBT0273
Octavia 1.4, 1.6	D	2009		QBT096AGM	QBT0965	QBT0963
Octavia 1.6, 1.8, 2.0	P	1998	2009	QBT027AGM	QBT0275	QBT0273
Octavia 1.9	D	1998	2010	QBT096AGM	QBT0965	QBT0963
Octavia 2.0	D	2004	2010	QBT096AGM	QBT0965	QBT0963
Pick Up 1.3, 1.6	P	1996	1998		QBT0755	QBT0653

Model & Engine Size	Fuel	Year From	To	SS Extra / SS	Powerbox Extra	Powerbox
Skoda						
Pick Up 1.9	D	1996	2001	QBT096AGM	QBT0965	QBT0963
Roomster 1.2	P	2007				QBT0793
Roomster 1.2, 1.6	D	2006		QBT027AGM	QBT0275	QBT0273
Roomster 1.4, 1.6	P	2006	2010	QBT027AGM	QBT0275	QBT0273
Roomster 1.9	D	2006	2010	QBT096AGM	QBT0965	QBT0963
Superb 1.4, 1.8, 2.0	P	2008		QBT027AGM	QBT0275	QBT0273
Superb 1.6, 1.9, 2.0, 2.5	D	2002		QBT096AGM	QBT0965	QBT0963
Superb 2.8, 3.6	P	2002		QBT027AGM	QBT0275	QBT0273
Yeti 1.2	P	2009				QBT0793
Yeti 1.4	P	2010		QBT027AGM	QBT0275	QBT0273
Yeti 1.6	D	2010		QBT027AGM	QBT0275	QBT0273
Yeti 1.8	P	2009		QBT027AGM	QBT0275	QBT0273
Yeti 2.0	D	2009		QBT096AGM	QBT0965	QBT0963

Smart						
Roadster 0.7	P	2003	2006			QBT0793
Fortwo 0.7, 1.0	P	2004	2012			QBT0793
Fortwo 0.8	D	2009	2012	QBT027AGM	QBT0275	QBT0273
Fortwo 0.8	D	2012		QBT027AGM		
Fortwo 1.0	P	2012		QBT027AGM		
Forfour 1.5	D	2004	2007	QBT096AGM	QBT0965	QBT0963
Forfour 1.1, 1.3, 1.5	P	2004	2007			QBT0793
Crossblade 0.6	P	2002	2002			QBT0793
City 0.6, 0.7	P	1999	2004			QBT0793

Ssangyong						
Korando 2.3	P	1997	1998			QBT2503
Korando 2.0, 2.9	D	1997	1998			QBT2503
Kyron 2.0, 2.7	D	2006	2012			QBT2503
Musso 2.3, 3.2	P	1996	2005			QBT0303
Musso 2.9	D	1995	2005			QBT2503
Rexton 3.2	P	2003	2005			QBT0303
Rexton 2.7, 2.9	D	2003				QBT2503
Rodius 2.7	D	2005	2012			QBT2503

Subaru						
Brat 1.8	P	1986	1994			QBT0313
Forester 2.0, 2.5	P	1997	2008			QBT005L3
Forester 2.0	D	2008				QBT2493
Impreza 1.5, 1.6, 2.0, 2.5	P	1993				QBT005L3
Impreza 2.0	D	2009				QBT2493
Justy 1.0, 1.2, 1.3	P	1987	2010			QBT0443
L Series 1.6, 1.8	P	1984	1992			QBT005L3
Legacy 1.8, 2.2, 2.2, 2.5, 3.0	P	1989	2010			QBT005L3
Legacy 2.0	D	2008				QBT2493
MV Pickup 1.8	P	1985	1994			QBT005L3
Sumo 1.0, 1.2	P	1988	1993			QBT005L3
SVX 3.3	P	1992	1996			QBT005R3
Tribeca 3.0, 3.6	P	2006	2008			QBT005L3
Vivio 0.7	P	1992	1995			QBT0543
WRX 2.5	P	2010				QBT005L3
XT 1.8	P	1986	1990			QBT005L3

Model & Engine Size	Fuel	Year From	To	SS Extra / SS	Powerbox Extra	Powerbox
Subaru						
XV 1.6, 2.0	P	2011				QBT005L3
XV 2.0	D	2011				QBT0303

Suzuki						
Alto 0.8, 1.0	P	1982	2007			QBT0543
Alto 1.0, 1.1	P	2008				QBT0553
Baleno 1.3, 1.6	P	1995	2002			QBT0553
Baleno 1.8	P	1996	2002			QBT0433
Cappuccino 0.7	P	1994	1995			QBT0553
Carry 1.3	P	1999	2006			QBT0553
Ignis 1.3, 1.5	P	2000	2008			QBT0633
Jimny 1.3	P	1998				QBT0433
Kizashi 2.4	P	2011				QBT005L3
Liana 1.6	P	2001	2008			QBT0443
SJ410 1.0, 1.3	P	1982	1997			QBT0553
Splash 1.0, 1.2	P	2008			QBT0635	QBT0633
Splash 1.2	D	2008			QBT1005	QBT1003
ST90 0.8	P	1985	1986			QBT0543
Super Carry 1.0	P	1986	1998			QBT0553
Swift 1.0	P	1984	2003			QBT0553
Swift 1.2	P	2010	2012		QBT0635	QBT0633
Swift 1.2	D	2005			QBT0755	QBT0753
Swift 1.3	P	1985	2011			QBT0553
Swift 1.5	P	2005	2011		QBT0635	QBT0633
Swift 1.6	P	1990	1992			QBT0553
Swift 1.6	P	2006			QBT0635	QBT0633
SX4 1.5	P	2006				QBT0793
SX4 1.6	P	2006				QBT0793
SX4 1.6, 1.9, 2.0	D	2007		QBT096AGM	QBT0965	QBT0963
Vitara 1.6	P	1988	2000			QBT0553 or QBT102E
Vitara 2.0	P	1995	1998			QBT0553
Vitara 1.9, 2.0	D	1996	2002			QBT0303
Grand Vitara 1.6	P	2001	2005			QBT005L3
Grand Vitara 1.6	P	2005				QBT0443
Grand Vitara 1.9	D	1998				QBT2493
Grand Vitara 2.0	P	1999	2010			QBT005L3
Grand Vitara 2.4	P	2008				QBT005L3
Grand Vitara 2.5, 2.7	P	1998	2005			QBT0303
Wagon R 1.0, 1.2, 1.3	P	1997	2008			QBT0543 or QBT0633
X90 1.6	P	1996	1998			QBT0433

Talbot						
Alpine 1.3, 1.4, 1.6	P	1980	1985			QBT0493
Avenger 1.3, 1.6	P	1980	1981			QBT0493
Express 1.8, 2.0	P	1985	1994		QBT0635	QBT0633
Express 1.9, 2.5	D	1987	1994		QBT1005	QBT1003
Horizon 1.1, 1.3, 1.4	P	1980	1985			QBT0493
Horizon 1.9	D	1982	1985	QBT027AGM	QBT0275	QBT0273
Matra 1.4	P	1980	1984			QBT0493
Minx 1.6	P	1984	1986			QBT0493
Rapier 1.6	P	1984	1986			QBT0493

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Talbot						
Solara 1.3, 1.6	P	1980	1985			QBT0493
Sunbeam 0.9, 1.3, 1.6, 2.2	P	1980	1982			QBT0493
Tagora 2.2, 2.7	P	1981	1984			QBT0493

Tata						
Gurkha 1.9	D	1995	2000			QBT2493
Loadbeta 1.9	D	1994	2002			QBT2493
Safari 1.9	D	2000	2006			QBT2493
TL 1.9	D	2003	2006			QBT2493

Toyota						
4-Runner 1.8, 2.0, 2.7, 3.0	P	1985	2002			QBT0313
4-Runner 2.4, 2.8, 3.0	D	1989	2001			QBT2503
Auris 1.3	P	2008	2012	QBT027AGM		
Auris 1.4	P	2006	2009			QBT0793
Auris 1.4, 2.0, 2.2	D	2006		QBT027AGM	QBT0275	QBT0273
Auris 1.6	P	2006	2012	QBT027AGM	QBT0275	QBT0273
Avensis 1.6, 1.8, 2.0	P	1997		QBT027AGM	QBT0275	QBT0273
Avensis 2.0	D	1997		QBT096AGM	QBT0965	QBT0963
Avensis 2.2	D	2005		QBT115AGM		QBT1153
Aygo 1.0	P	2005				QBT2023
Aygo 1.4	D	2006	2007			QBT0793
Camry 1.8, 2.0, 2.2, 2.4, 3.0	P	1983	2004			QBT005L3
Camry 1.8, 2.0, 2.2	D	1984	1998			QBT0303
Carina 1.5	P	1992	1996			QBT005L3
Carina 1.6	P	1980	1988			QBT004L3
Carina 1.6	P	1988	1997			QBT005L3
Carina 1.8, 2.0	P	1981	1996			QBT004L3
Carina 2.0	D	1984	1998			QBT2493
Celica 1.6, 1.8, 2.0, 2.8	P	1980	2006			QBT004L3
Corolla 1.3	P	1980	1995			QBT0433
Corolla 1.3	P	1995	1998	QBT027AGM	QBT0275	QBT0273
Corolla 1.4	P	2000	2007			QBT004L3
Corolla 1.4, 1.8, 1.9	D	1987	2007	QBT096AGM	QBT0965	QBT0963
Corolla 1.5	P	1989	1991			QBT004L3
Corolla 1.5	P	1991	1997	QBT027AGM	QBT0275	QBT0273
Corolla 1.6	P	1980	1991			QBT004L3
Corolla 1.6	P	1991	2009	QBT027AGM	QBT0275	QBT0273
Corolla 1.8	P	1993	1995			QBT005L3
Corolla 1.8	P	2001	2009	QBT027AGM	QBT0275	QBT0273
Corolla 2.0	D	1993	1997			QBT2493
Corolla 2.0	D	1997	2007	QBT096AGM	QBT0965	QBT0963
Corolla 2.2	D	2005	2009	QBT115AGM		QBT1153
Crown 2.6, 2.8	P	1980	1980			QBT0303
Dyna 2.7	P	1995	2001			QBT0313
Dyna 2.5	D	2001	2007			QBT2503
Dyna 2.8, 3.0	D	1988	2010			QBT2503
Dyna 3.0	D	2010				QBT0303 x 2
Estima 2.4, 3.0	P	1990	2006			QBT0693
Estima 2.2	D	1992	2006			QBT0693
GT 86 2.0	P	2012				QBT005R3

Toyota						
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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Hi-Ace 2.0, 2.4, 2.7	P	1987	2003			QBT0313
Hi-Ace 2.4, 2.5, 3.0	D	1987				QBT2503
Hi-Lux 1.8, 2.0, 2.2, 3.0, 3.4	P	1985	2003			QBT0303
Hi-Lux 2.4, 2.5, 2.8, 3.0	D	1986				QBT2503
iQ 1.0	P	2009				QBT1593
Landcruiser 2.7, 3.4, 4.0, 4.5, 4.7	P	1997	2008			QBT005R3 or QBT0273 or QBT0783
Landcruiser 2.4, 3.0, 3.5, 4.0, 4.2, 4.2	D	1985	1990			QBT005R3 or QBT0273 or QBT0783
Lite-Ace 1.5, 1.8	P	1986	1996			QBT0493
Lite-Ace 2.0	P	1996	1999			QBT005R3
Lite-Ace 2.0, 2.2	D	1992	1999			QBT0313
Lite-Ace 2.0	P	1996	1999			QBT005R3
MR2 1.6, 1.8, 2.0	P	1985	2006			QBT1583
Paseo 1.5	P	1996	1999			QBT005R3
Picnic 2.0	P	1997	2001			QBT005L3
Picnic 2.2	D	1997	2001			QBT0303
Previa 2.4	P	1990	2007			QBT005L3 or QBT1583
Previa 2.0	D	2001	2007			QBT0303
Prius 1.5	P/E	2000				QBT0433
RAV-4 1.8, 2.0	P	2000	2013			QBT0433 or QBT1583 or QBT1593
RAV-4 2.0, 2.2	D	2001	2013			QBT0313 or QBT2493
Space Cruiser 1.8, 2.0	P	1980	1985			QBT0493
Starlet 1.0, 1.2, 1.3	P	1980	1999			QBT0493
Starlet 1.5	D	1989	1992			QBT0303
Supra 2.0, 2.5, 3.0	P	1987	1996			QBT0303
Tercel 1.3	P	1982	1985			QBT0493
Tercel 1.5	P	1983	1988			QBT0493
Urban Cruiser 1.3	P	2009		QBT027ECM		
Urban Cruiser 1.4	D	2009		QBT096AGM	QBT0965	QBT0963
Verso 1.6, 1.8	P	2009		QBT027AGM	QBT0275	QBT0273
Verso 2.0	D	2009		QBT096AGM	QBT0965	QBT0963
Verso 2.2	D	2009		QBT115AGM		QBT1153
Verso-S 1.3	P	2010		QBT027ECM		
Yaris 1.0, 1.3, 1.5	P	1999	2003			QBT1583
Yaris 1.0, 1.3, 1.5	P	2003			QBT0635	QBT0633
Yaris 1.3	P	2009		QBT027ECM		
Yaris 1.4	D	2002		QBT027AGM	QBT0275	QBT0273
Yaris 1.5	P/E	2012				QBT0433

TVR						
Cerbera 4.0, 4.2, 4.5, 7.7	P	1996	2004			QBT0723
Chimaera 3.9, 4.2, 4.5, 5.0	P	1993	2000			QBT0723
Griffith 3.9, 4.3, 5.0	P	1992	2002			QBT0723
S1 2.8	P	1987	1988			QBT0723
S2 2.9	P	1989	1990			QBT0723

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
TVR						
S3 2.9	P	1991	1992			QBT0723
S4 2.9	P	1993	1994			QBT0723
Sagaris 4.0	P	2004	2006		QBT0755	QBT0753
SE Range 3.9, 4.2, 4.2	P	1984	1991		QBT0755	QBT0753
T350 3.6	P	2002	2006			QBT0723
T440 4.0	P	2003	2005			QBT0723
Tamora 3.6	P	2001	2006		QBT1005	QBT1003
Tasmin 2.0	P	1981	1984			QBT0383
Tasmin 2.8	P	1980	1988			QBT0723
Tasmin 3.5	P	1983	1989			QBT0723
Tuscan 3.6, 4.0, 4.2	P	2000	2006		QBT1005	QBT1003
V8S 4.0	P	1991	1994			QBT0723

Vauxhall						
Agila 1.0, 1.2	P	2000			QBT0635	QBT0633
Agila 1.2	D	2008	2011	QBT027AGM	QBT0275	QBT0273
Antara 2.0	D	2007	2011			QBT2503
Antara 2.4	P	2007	2008			QBT0863
Antara 2.4	P	2011		QBT115AGM		QBT1153
Antara 2.2	D	2010		QBT115AGM		QBT1153
Arena 1.9, 2.5	D	1997	2000		QBT1005	QBT1003
Astra MK 1 1.2, 1.3, 1.6	P	1980	1984		QBT0635	QBT0633
Astra MK 1 1.6	D	1982	1984		QBT1005	QBT1003
Astra MK 1 1.8	P	1982	1984		QBT0755	QBT0753
Astra MK 2 1.2, 1.3, 1.6	P	1984	1992		QBT0635	QBT0633
Astra MK 2 1.6, 1.7	D	1984	1992		QBT1005	QBT1003
Astra MK 2 1.8, 2.0	P	1984	1992		QBT0755	QBT0753
Astra MK 3 1.4, 1.6	P	1991	1998		QBT0635	QBT0633
Astra MK 3 1.7	D	1991	1998		QBT1005	QBT1003
Astra MK 3 1.8, 2.0	P	1991	1998		QBT0755	QBT0753
Astra MK 4 1.4, 1.6	P	1998	2005		QBT0635	QBT0633
Astra MK 4 1.7, 2.0	D	1998	2005		QBT1005	QBT1003
Astra MK 4 1.8, 2.0, 2.2	P	1998	2005		QBT0755	QBT0753
Astra MK 5 1.2	D	2004	2010		QBT1005	QBT1003
Astra MK 5 1.4, 1.6	P	2004	2010		QBT0755	QBT0753
Astra MK 5 1.7	D	2004	2008		QBT1005	QBT1003
Astra MK 5 1.7 Ecoflex	D	2008	2011	QBT096AGM		
Astra MK 5 1.8, 2.0	P	2004	2010		QBT0755	QBT0753
Astra MK 5 1.9	D	2004	2010		QBT1005	QBT1003
Astra MK 6 1.2, 1.7, 2.0	D	2010			QBT1005	QBT1003
Astra MK 6 1.4	P	2010			QBT0755	QBT0753
Astra MK 6 1.6, 2.0	P	2010			QBT0755	QBT0753
Astra MK 6 GTC	P	2011		QBT115AGM		
Belmont 1.3, 1.4, 1.6, 1.8	P	1986	1991		QBT0755	QBT0653
Belmont 1.6, 1.7	D	1986	1991		QBT1005	QBT1003
Brava 2.3	P	1988	1994			QBT0313
Brava 2.2	D	1988	2002			QBT0863
Calibra 2.0	P	1990	1998		QBT0755	QBT0753
Carlton 1.8, 2.0, 2.2, 2.6	P	1982	1994		QBT0755	QBT0753
Carlton 3.0, 3.6	P	1993	1994		QBT1005	QBT1003
Carlton 2.3	D	1982	1994		QBT0635	QBT0633
Cavalier 1.3, 1.4, 1.6	P	1980	1995		QBT0635	QBT0633

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Vauxhall						
Cavalier 1.8, 2.0, 2.5	P	1980	1995		QBT0755	QBT0753
Cavalier 1.6, 1.7	D	1982	1995		QBT1005	QBT1003
CF 2.0	P	1985	1987		QBT0755	QBT0753
CF 2.3	D	1985	1987		QBT663CX	QBT643C
Chevette 1.3	P	1980	1984			QBT0383
Combo 1.4, 1.6	P	1993			QBT0755	QBT0753
Combo 1.2, 1.6, 1.7, 2.0	D	1993			QBT1005	QBT1003
Corsa 1.0	P	1997			QBT0635	QBT0633
Corsa 1.2, 1.3	P	1997			QBT0635	QBT0633
Corsa 1.2 Ecoflex	P	2009		QBT027AGM		
Corsa 1.2, 1.3, 1.5, 1.7	D	1993			QBT1005	QBT1003
Corsa 1.4	P	1993			QBT0635	QBT0633
Corsa 1.6	P	1993	2007		QBT0635	QBT0633
Corsa 1.6	P	2007			QBT0755	QBT0753
Frontera 2.0, 2.2, 2.4, 3.2	P	1991	2004		QBT0755	QBT0753
Frontera 2.2, 2.3, 2.5, 2.8	D	1991	2004		QBT1005	QBT1003
Insignia 1.4, 1.6, 1.8, 2.0	P	2008			QBT0755	QBT0753
Insignia 2.8	P	2008				QBT1103
Insignia 2.0	D	2008				QBT1103
Insignia 2.0 Ecoflex	D	2008		QBT115AGM		
Meriva 1.4, 1.6, 1.8	P	2003			QBT0755	QBT0753
Meriva 1.2, 1.7	D	2003			QBT1005	QBT1003
Midi 1.8, 2.0	P	1985	1994		QBT0635	QBT0633
Midi 2.0, 2.2	D	1985	1994		QBT1005	QBT1003
Midi 2.4	D	1994	1997		QBT1005	QBT1003
Monaro 5.7	P	2004	2007	QBT019AGM	QBT0195	
Monaro 6.0	P	2006	2007	QBT019AGM	QBT0195	
Monterey 3.1	D	1994	1999			QBT0313
Monterey 3.2	P	1994	1999			QBT0313
Movano 1.9, 2.3, 2.5, 2.8, 3.0	D	1998		QBT019AGM	QBT0195	QBT0193
Nova 1.0	P	1983	1992		QBT0635	QBT0633
Nova 1.0, 1.2, 1.3, 1.4, 1.6	P	1983	1993		QBT0635	QBT0633
Nova 1.5	D	1989	1993		QBT0755	QBT0753
Omega 2.0, 2.2, 2.5, 2.6, 3.0, 3.2	P	1994	2003		QBT0755	QBT0753
Omega 2.0, 2.2, 2.5	D	1998	2003		QBT0175	QBT0173
Rascal 1.0	P	1986	1993			QBT0383
Royale 2.8	P	1980	1983		QBT1005	QBT1003
Royale 2.8, 3.0	P	1980	1983		QBT1005	QBT1003
Senator 2.5, 2.6, 3.0	P	1984	1987		QBT0755	QBT0753
Signum 1.8, 2.0, 2.2, 2.8, 3.2	P	2004	2008		QBT1005	QBT1003
Signum 1.9, 2.0, 3.0	D	2004	2008		QBT1005	QBT1003
Sintra 2.2, 3.0	P	1997	1999			QBT8003
Sintra 2.2	D	1999	1999			QBT8003
Tigra 1.4	P	1994	2010		QBT0635	QBT0633
Tigra 1.6, 1.8	P	1994	2010		QBT0755	QBT0753
Tigra 1.2	D	2005	2010		QBT1005	QBT1003
Vectra 1.6, 1.8, 2.0, 2.2	P	1995	2009		QBT0755	QBT0753
Vectra 1.7	D	1995	1996		QBT1005	QBT1003
Vectra 1.9	D	2004	2009	QBT115AGM		QBT1153
Vectra 2.0	D	1996	2002		QBT1005	QBT1003
Vectra 2.0	D	2002	2005	QBT115AGM		QBT1153

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Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Vauxhall						
Vectra 2.5, 2.8, 3.2	P	1995	2009		QBT1005	QBT1003
Vectra 3.0	D	2003	2009	QBT019AGM	QBT0195	QBT0193
Vivaro 1.9, 2.0	D	2001	2012	QBT096AGM	QBT0965	QBT0963
Vivaro 2.0	P	2002	2006	QBT096AGM	QBT0965	QBT0963
Vivaro 2.0 Ecoflex	D	2012		QBT115AGM		
Vivaro 2.5	D	2006	2011	QBT019AGM	QBT0195	QBT0193
VX 2.0, 2.2	P	2000	2005	QBT019AGM	QBT0195	QBT0193
VX 6.0, 6.2	P	2007	2009	QBT019AGM	QBT0195	
Zafira 1.6, 1.8	P	1999			QBT0755	QBT0753
Zafira 1.7 Ecoflex	D	2009		QBT115AGM		
Zafira 1.9	D	2005	2011		QBT1005	QBT1003
Zafira 2.0	D	1999	2005		QBT1005	QBT1003
Zafira 2.0, 2.2	P	2001			QBT1005	QBT1003
Zafira Tourer 1.4, 1.8	P	2011			QBT0755	QBT0753
Zafira Tourer 2.0	D	2011			QBT1005	QBT1003
Volkswagen						
Amarok 2.0	D	2010		QBT019AGM	QBT0195	QBT0193
Beetle 1.2, 1.3, 1.5, 1.6	P	1953	1979			QBT4043
Beetle 1.2, 1.4, 2.0	P	2012		QBT027AGM		
Beetle 1.4, 1.6, 1.8, 2.0	P	2003	2011		QBT0755	QBT0753
Beetle 1.6	D	2012		QBT096AGM		
Beetle 1.9	D	2002	2011	QBT096AGM	QBT0965	QBT0963
Beetle 2.0	D	2012		QBT096AGM		
Beetle 2.3	P	2001	2005		QBT0755	QBT0753
Bora 1.6, 1.8, 2.0	P	1999	2005	QBT027AGM	QBT0275	QBT0273
Bora 2.3, 2.8	P	1999	2004	QBT096AGM	QBT0965	QBT0963
Bora 1.9	D	1999	2005	QBT096AGM	QBT0965	QBT0963
Caddy 1.4, 1.6, 1.8	P	1996	2004		QBT0635	QBT0633
Caddy 1.6, 1.9, 2.0	D	1986			QBT1005	QBT1003
Caravelle 1.6	D	1985	1990	QBT096AGM	QBT0965	QBT0963
Caravelle 1.6	D	1985	1990	QBT096AGM	QBT0965	QBT0963
Caravelle 1.9, 2.0, 2.1, 2.5	P	1985			QBT0755	QBT0753
Caravelle 2.8, 3.2	P	1996	2010		QBT1005	QBT1003
Caravelle 1.9, 2.0, 2.4, 2.5	D	1994		QBT096AGM	QBT0965	QBT0963
CC 1.8, 2.0	P	2011		QBT096AGM		
CC 2.0	D	2011		QBT096AGM		
Corrado 1.8, 2.0, 2.9	P	1989	1996	QBT027AGM	QBT0275	QBT0273
Crafter 2.0, 2.5	D	2006		QBT019AGM	QBT0195	QBT0193
Eos 1.4, 1.6	P	2008				QBT0793
Eos 2.0	P	2006		QBT027AGM	QBT0275	QBT0273
Eos 2.0	D	2006		QBT096AGM	QBT0965	QBT0963
Fox 1.2, 1.4	P	2006	2012		QBT0635	QBT0633
Golf MK 1 1.0, 1.1, 1.3, 1.5, 1.6, 1.8	P	1980	1983		QBT0635	QBT0633
Golf MK 1 1.5, 1.6	D	1974	1983		QBT1005	QBT1003
Golf MK 2 1.6	D	1983	1992		QBT1005	QBT1003
Golf MK 2 1.8	P	1983	1992		QBT0635	QBT0633
Golf MK 2 1.8	P	1983	1992		QBT0635	QBT0633
Golf MK 2 1.8	P	1983	1992		QBT0635	QBT0633
Golf MK 3 1.4, 1.6, 1.8	P	1992	1998		QBT0635	QBT0633

Model & Engine Size	Fuel	Year From	Year To	SS Extra / SS	Powerbox Extra	Powerbox
Volkswagen						
Golf MK 3 2.0	P	1992	1998	QBT027AGM	QBT0275	QBT0273
Golf MK 3 2.8	P	1992	1998	QBT096AGM	QBT0965	QBT0963
Golf MK 4 1.4, 1.6	P	1998	2004		QBT0635	QBT0633
Golf MK 4 1.8, 2.0	P	1998	2004	QBT027AGM	QBT0275	QBT0273
Golf MK 4 1.9	D	1998	2004		QBT1005	QBT1003
Golf MK 4 2.3	P	1998	2004	QBT096AGM	QBT0965	QBT0963
Golf MK 4 3.2	P	1998	2004	QBT115AGM		QBT1153
Golf MK 5 1.4, 1.6	P	2004	2009			QBT0793
Golf MK 5 1.4, 1.6	P	2009	2009			QBT0793
Golf MK 5 1.9, 2.0	D	2004	2009			QBT1003 or QBT1103
Golf MK 5 2.0	P	2004	2009	QBT027AGM	QBT0275	QBT0273
Golf MK 5 3.2	P	2005	2009	QBT115AGM		QBT1153
Golf MK 6 1.2	P	2009	2011	QBT027AGM		
Golf MK 6 1.2	P	2009	2011	QBT027AGM		
Golf MK 6 1.6 Blue-motion	D	2009	2011	QBT096AGM		
Golf MK 6 2.0	P	2009	2011	QBT027AGM	QBT0275	QBT0273
Golf MK 6 2.0	D	2011		QBT115AGM		
Jetta 1.1, 1.3	P	1981	1992		QBT0635	QBT0633
Jetta 1.4	P	2007		QBT027AGM	QBT0275	QBT0273
Jetta 1.5, 1.6	P	1981	2006		QBT0635	QBT0633
Jetta 1.6	P	2006		QBT027AGM	QBT0275	QBT0273
Jetta 1.6	D	1981	1992		QBT1005	QBT1003
Jetta 1.9, 2.0	D	2006		QBT096AGM	QBT0965	QBT0963
Jetta 2.0	P	2006		QBT027AGM	QBT0275	QBT0273
LT 2.3, 2.4	P	1990	2001	QBT096AGM	QBT0965	QBT0963
LT 2.4, 2.5, 2.8	D	1985	2006	QBT019AGM	QBT0195	QBT0193
Lupo 1.0, 1.4, 1.6	P	1999	2005		QBT0635	QBT0633
Lupo 1.4, 1.7	D	2000	2005		QBT0755	QBT0753
Multivan 2.5, 2.8,	P	1997	2003	QBT096AGM	QBT0965	QBT0963
Multivan 2.4, 2.5	D	1997	2003	QBT019AGM	QBT0195	QBT0193
Passat 1.4	P	2008		QBT027AGM	QBT0275	QBT0273
Passat 1.5	D	1980	1981		QBT1005	QBT1003
Passat 1.6	P	2005	2008	QBT027AGM	QBT0275	QBT0273
Passat 1.6	D	1982	2007	QBT096AGM	QBT0965	QBT0963
Passat 1.6	D	2007	2010	QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
Passat 1.6 Bluemotion	D	2010		QBT096AGM		
Passat 1.6, 1.8	P	1980	2005			QBT0793
Passat 1.8	P	2008		QBT027AGM	QBT0275	QBT0273
Passat 1.9	P	1981	1983	QBT027AGM	QBT0275	QBT0273
Passat 1.9	D	1992	1997	QBT096AGM	QBT0965	QBT0963
Passat 1.9	D	1997	2009	QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
Passat 2.0	D	2004	2010	QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
Passat 2.0	D	2010	2012	QBT115AGM		
Passat 2.0 Bluemotion	D	2012		QBT096AGM		
Passat 2.3	P	1998	2004	QBT027AGM	QBT0275	QBT0273
Passat 2.5	D	1999	2005	QBT115AGM or QBT096AGM	QBT0965	QBT1153 or QBT0963
Passat 2.8	P	1993	2005	QBT096AGM	QBT0965	QBT0963
Passat 3.2	P	2005	2009	QBT019AGM	QBT0195	QBT0193

Model & Engine Size	Fuel	Year From To		SS Extra / SS	Powerbox Extra	Powerbox
Volkswagen						
Passat 3.6	P	2008	2012	QBT019AGM	QBT0195	QBT0193
Passat 4.0	P	2001	2004	QBT096AGM	QBT0965	QBT0963
Phaeton 3.2, 4.2, 6.0	P	2003		QBT019AGM or QBT027AGM		
Phaeton 6.0	P	2003	2006	QBT019AGM or QBT027AGM		
Phaeton 3.0, 4.9, 3.0,	D	2003	2007	QBT019AGM or QBT027AGM		
Polo MK 1 0.9, 1.1	P	1976	1981		QBT0635	QBT0633
Polo MK 2 1.0, 1.1, 1.3	P	1981	1994		QBT0635	QBT0633
Polo MK 3 1.0., 1.3	P	1994	2002		QBT0635	QBT0633
Polo MK 3 1.4, 1.6	P	1994	2002		QBT0755	QBT0753
Polo MK 3 1.4, 1.9	D	1994	2002		QBT1005	QBT1003
Polo MK 4 1.2	P	2002	2009		QBT0635	QBT0633
Polo MK 4 1.4, 1.6	P	2002	2009		QBT0755	QBT0753
Polo MK 4 1.4, 1.9	D	2005	2009		QBT1005	QBT1003
Polo MK 4 1.8	P	2006	2009	QBT096AGM	QBT0965	QBT0963
Polo MK 5 1.2	P	2009			QBT0635	QBT0633
Polo MK 5 1.2 Blue-motion	D	2010		QBT096AGM		
Polo MK 5 1.4	P	2009		QBT027AGM	QBT0275	QBT0273
Polo MK 5 1.6	D	2009	2010	QBT096AGM	QBT0965	QBT0963
Santana 1.6, 1.8, 1.9, 2.0	P	1982	1985		QBT0635	QBT0633
Scirocco 1.4	P	2008		QBT027AGM	QBT0275	QBT0273
Scirocco 1.5, 1.6	P	1981	1992		QBT0635	QBT0633
Scirocco 1.8	P	1981	1992		QBT0755	QBT0753
Scirocco 2.0	P	2008	2010	QBT027AGM	QBT0275	QBT0273
Scirocco 2.0	D	2008		QBT096AGM	QBT0965	QBT0963
Sharan 1.4	P	2010		QBT027AGM		
Sharan 1.8, 2.0	P	1995	2008		QBT0755	QBT0753
Sharan 1.9	D	1995	2000		QBT1005	QBT1003
Sharan 2.0	P	2010		QBT027AGM		
Sharan 2.0	D	2010		QBT115AGM		
Sharan 2.8	P	1995	2006		QBT1005	QBT1003
Taro 1.8, 2.2	P	1989	1992			QBT005R3
Taro 2.4	D	1989	1991			QBT0313
Tiguan 1.4	P	2008		QBT096AGM		
Tiguan 2.0	P	2008		QBT096AGM	QBT0965	QBT0963
Tiguan 2.0	D	2008	2011	QBT096AGM	QBT0965	QBT0963
Tiguan 2.0	D	2011		QBT096AGM		
Touareg 3.0, 3.2, 3.6	P	2003		QBT019AGM or QBT096AGM		
Touareg 4.2	P	2003	2006	QBT019AGM or QBT096AGM		
Touareg 2.5, 3.0, 4.1, 4.9	D	2003		QBT019AGM or QBT096AGM		
Touran 1.2, 1.4, 1.6, 2.0	P	2003		QBT027AGM		
Touran 1.6, 1.9	D	2003	2010	QBT096AGM	QBT0965	QBT0963
Touran 2.0	D	2010		QBT115AGM		
Transporter 1.8, 1.9, 2.0, 2.1, 2.5	P	1991			QBT1005	QBT1003
Transporter 1.6, 1.7, 1.9, 2.0, 2.4, 2.5	D	1985		QBT019AGM	QBT0195	QBT0193
Transporter Bluemotion 2.0	D	1985		QBT019AGM		
Up 1.0	P	2012				QBT2023
Up 1.0 Bluemotion	P	2012		QBT027AGM		
Vento 1.6, 1.8, 2.0, 2.8	P	1994	1998		QBT0635	QBT0633

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
From	To					
Volkswagen						
Vento 1.9	D	1992	1998		QBT1005	QBT1003
Vento 1.9	D	1994	1998		QBT1005	QBT1003
Volvo						
200 Series 2.0, 2.1, 2.3, 2.7, 2.8	P	1980	1993			QBT0693
300 Series 1.4, 1.7, 2.0	P	1980	1989		QBT0635	QBT0633
400 Series 1.6, 1.7, 1.8, 2.0	P	1987	1997	QBT027AGM	QBT0275	QBT0273
400 Series 1.9	D	1994	1997	QBT096AGM	QBT0965	QBT0963
700 Series 2.0, 2.3	P	1987	1991	QBT027AGM	QBT0275	QBT0273
700 Series 2.8	P	1982	1990	QBT096AGM	QBT0965	QBT0963
700 Series 2.4	D	1983	1990	QBT096AGM	QBT0965	QBT0963
800 Series 2.0, 2.3, 2.4	P	1992	1996	QBT027AGM	QBT0275	QBT0273
800 Series 2.5	D	1995	1997	QBT096AGM	QBT0965	QBT0963
900 Series 2.0, 2.3,	P	1990	1998	QBT027AGM	QBT0275	QBT0273
900 Series 2.5, 2.9	P	1990	1998	QBT096AGM	QBT0965	QBT0963
900 Series 2.4	D	1990	1996	QBT096AGM	QBT0965	QBT0963
C30 1.6, 1.8	P	2006		QBT027AGM	QBT0275	QBT0273
C30 1.6, 2.0, 2.4	D	2006		QBT115AGM		QBT1153
C30 2.0, 2.4, 2.5	P	2006		QBT096AGM	QBT0965	QBT0963
C70 2.0, 2.3, 2.4, 2.5	P	1999		QBT096AGM	QBT0965	QBT0963
C70 2.0, 2.4	D	2007		QBT115AGM		QBT1153
S40 1.6	D	2004		QBT115AGM		QBT1153
S40 1.6, 1.8	P	1997		QBT027AGM	QBT0275	QBT0273
S40 1.9	D	1996	2004	QBT096AGM	QBT0965	QBT0963
S40 1.9, 2.0, 2.4, 2.5	P	1996		QBT096AGM	QBT0965	QBT0963
S40 2.0	D	2004		QBT115AGM		QBT1153
S40 2.4	D	2006		QBT115AGM		QBT1153
S60 1.6	D	2011		QBT115AGM		
S60 1.6, 2.0, 2.4, 2.5	P	2003		QBT096AGM	QBT0965	QBT0963
S60 2.0, 2.4	D	2010		QBT115AGM		QBT1153
S60 2.4	D	2001	2005	QBT096AGM	QBT0965	QBT0963
S60 3.0	P	2010		QBT115AGM		QBT1153
S70 2.0, 2.3, 2.4	P	1996		QBT096AGM	QBT0965	QBT0963
S70 2.5	D	1996	1999	QBT096AGM	QBT0965	QBT0963
S80 1.6	D	2009		QBT019AGM		
S80 1.6, 2.0, 2.4, 2.5, 2.9, 3.2, 3.4	P	1998		QBT096AGM	QBT0965	QBT0963
S80 2.0	D	2007		QBT019AGM	QBT0195	QBT0193
S80 2.4	D	2001	2010	QBT019AGM	QBT0195	QBT0193
S80 2.0, 2.4	D	2010		QBT115AGM		QBT1153
S80 2.5	D	1999	2001	QBT019AGM	QBT0195	QBT0193
S90 2.9	P	1996	1998	QBT027AGM	QBT0275	QBT0273
V40 1.6, 1.7, 1.8, 1.9	P	1998	2004	QBT027AGM	QBT0275	QBT0273
V40 1.9	D	1996		QBT096AGM	QBT0965	QBT0963
V50 1.6, 1.8	P	2004		QBT027AGM	QBT0275	QBT0273
V50 1.6, 2.0, 2.4	D	2004	2010	QBT115AGM		QBT1153
V50 2.0, 2.4, 2.5	P	2004			QBT1005	QBT1003
V60 1.6	D	2011		QBT115AGM		
V60 1.6, 2.0, 3.0	P	2010		QBT115AGM		QBT1153
V60 2.0, 2.4	D	2010		QBT115AGM		QBT1153
V70 1.6	D	2009	2011	QBT096AGM		
V70 1.6	D	2011		QBT115AGM		
V70 1.6, 2.0, 2.3, 2.4	P	1996		QBT027AGM	QBT0275	QBT0273

CAR & LIGHT COMMERCIAL VEHICLE

Model & Engine Size	Fuel	Year		SS Extra / SS	Powerbox Extra	Powerbox
From	To					
Volvo						
V70 2.0	D	2010		QBT115AGM		QBT1153
V70 2.4	D	2001	2010	QBT019AGM	QBT0195	QBT0193
V70 2.4	D	2010		QBT115AGM		QBT1153
V70 2.5	D	1996	2001	QBT019AGM	QBT0195	QBT0193
V70 2.5, 3.0, 3.2	P	2003		QBT115AGM		QBT1153
V90 2.9	P	1996	1998	QBT027AGM	QBT0275	QBT0273
XC60 2.0	D	2010		QBT115AGM		
XC60 2.0, 3.0	P	2008		QBT096AGM	QBT0965	QBT0963
XC60 2.4	D	2008	2010	QBT115AGM		QBT1153
XC60 2.4	D	2010		QBT115AGM		QBT1153
XC70 2.0	D	2010		QBT115AGM		
XC70 2.4	D	2002	2009	QBT019AGM	QBT0195	QBT0193
XC70 2.4	D	2009		QBT115AGM		QBT1153
XC70 2.4, 2.5	P	2002		QBT096AGM	QBT0965	QBT0963
XC70 3.0, 3.2	P	2009		QBT115AGM		QBT1153
XC90 2.4	D	2002	2005	QBT019AGM	QBT0195	QBT0193
XC90 2.4	D	2005	2010	QBT019AGM	QBT0195	QBT0193
XC90 2.4	D	2010		QBT115AGM		QBT1153
XC90 2.5, 2.9, 3.2, 4.4	P	2002	2010	QBT096AGM	QBT0965	QBT0963
Yugo						
311-313 1.1, 1.3	P	1983	1990			QBT0773
45-65 0.9, 1.1, 1.3	P	1983	1991			QBT0773
511-513 1.1, 1.5	P	1983	1990			QBT0773
Sana 1.4	P	1989	1993			QBT0773
Tempo 0.9, 1.1, 1.3	P	1991	1993			QBT0773
ZLC 1.1	P	1981	1983			QBT0773
ZLM 1.1	P	1981	1983			QBT0773
ZLX 1.3	P	1981	1983			QBT0773

Automotive Specifications

Reference	EAN	Voltage	Ah (20hr rate)	CCA (SAE)	Length (mm)	Width (mm)	Case Height (mm)	Height (mm)	Layout	Terminal	Hold Downs
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Powerbox SS Extra

QBT019AGM	5014994110503	12	90	900	354	175	190	190	0	T1	B13
QBT027AGM	5014994110510	12	60	640	242	175	190	190	0	T1	B13
QBT096AGM	5014994110527	12	70	760	278	175	190	190	0	T1	B13
QBT115AGM	5014994110541	12	80	800	317	175	190	190	0	T1	B13

Powerbox SS

QBT027ECM	5014994110558	12	60	520	242	175	190	190	0	T1	B13
QBT096ECM	5014994110565	12	70	680	278	175	190	190	0	T1	B13
QBT115ECM	5014994110572	12	80	740	317	175	190	190	0	T1	B13

Powerbox Extra

QBT0175	5014994110589	12	90	840	354	175	175	175	0	T1	B13
QBT0195	5014994110596	12	100	900	354	175	190	190	0	T1	B13
QBT0275	5014994110602	12	63	600	242	175	190	190	0	T1	B13
QBT0635	5014994110619	12	46	490	207	175	175	175	0	T1	B13
QBT0755	5014994110626	12	63	630	242	175	175	175	0	T1	B13
QBT0965	5014994110640	12	75	720	278	175	190	190	0	T1	B13
QBT1005	5014994110657	12	74	740	278	175	175	175	0	T1	B13

Powerbox

QBT019AGM	5014994110503	12	90	900	354	175	190	190	0	T1	B13
QBT027AGM	5014994110510	12	60	640	242	175	190	190	0	T1	B13
QBT096AGM	5014994110527	12	70	760	278	175	190	190	0	T1	B13
QBT115AGM	5014994110541	12	80	800	317	175	190	190	0	T1	B13
QBT005R3	5014994110701	12	60	540	230	172	202	223	1	T1	N
QBT0173	5014994110718	12	88	760	354	175	175	175	0	T1	B13
QBT0183	5014994110725	12	88	760	354	175	175	175	1	T1	B13
QBT0193	5014994110732	12	90	800	354	175	190	190	0	T1	B13
QBT0203	5014994110749	12	110	950	393	175	190	190	0	T1	B13
QBT0273	5014994110763	12	60	570	242	175	190	190	0	T1	B13
QBT0303	5014994110770	12	70	640	255	172	202	223	0	T1	N
QBT0313	5014994110787	12	70	640	255	172	202	223	1	T1	N
QBT0373	5014994110794	12	35	300	239	133	180	200	0	T4	B12
QBT0383	5014994110800	12	35	300	239	133	180	200	1	T1	B12
QBT0433	5014994110817	12	45	410	238	129	202	225	1	T3	N
QBT0443	5014994110831	12	45	410	238	129	202	225	0	T3	N
QBT0483	5014994110855	12	45	370	220	135	202	225	0	T1	B01
QBT0493	5014994110879	12	45	370	220	135	202	225	1	T1	B01
QBT0543	5014994110886	12	40	360	187	127	202	225	0	T3	N
QBT054HD3	5014994110893	12	40	360	187	135	202	225	0	T3	B01
QBT0553	5014994110916	12	40	360	187	127	202	225	1	T3	N
QBT0633	5014994110923	12	40	380	207	175	175	175	0	T1	B13
QBT0653	5014994110930	12	55	515	242	175	175	175	0	T1	B13
QBT0673	5014994110947	12	64	600	278	175	190	190	0	T1	B13
QBT0683	5014994110954	12	68	570	270	175	200	222	0	T1	B05

Automotive Specifications (cont)...

Reference	EAN	Voltage	Ah (20hr rate)	CCA (SAE)	Length (mm)	Width (mm)	Case Height (mm)	Height (mm)	Layout	Terminal	Hold Downs
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Powerbox SS Extra

QBT019AGM	5014994110503	12	90	900	354	175	190	190	0	T1	B13
QBT027AGM	5014994110510	12	60	640	242	175	190	190	0	T1	B13
QBT096AGM	5014994110527	12	70	760	278	175	190	190	0	T1	B13
QBT115AGM	5014994110541	12	80	800	317	175	190	190	0	T1	B13

Powerbox SS

QBT027ECM	5014994110558	12	60	520	242	175	190	190	0	T1	B13
QBT096ECM	5014994110565	12	70	680	278	175	190	190	0	T1	B13
QBT115ECM	5014994110572	12	80	740	317	175	190	190	0	T1	B13

Powerbox Extra

QBT0175	5014994110589	12	90	840	354	175	175	175	0	T1	B13
QBT0195	5014994110596	12	100	900	354	175	190	190	0	T1	B13
QBT0275	5014994110602	12	63	600	242	175	190	190	0	T1	B13
QBT0635	5014994110619	12	46	490	207	175	175	175	0	T1	B13
QBT0755	5014994110626	12	63	630	242	175	175	175	0	T1	B13
QBT0965	5014994110640	12	75	720	278	175	190	190	0	T1	B13
QBT1005	5014994110657	12	74	740	278	175	175	175	0	T1	B13

Powerbox

QBT019AGM	5014994110503	12	90	900	354	175	190	190	0	T1	B13
QBT027AGM	5014994110510	12	60	640	242	175	190	190	0	T1	B13
QBT096AGM	5014994110527	12	70	760	278	175	190	190	0	T1	B13
QBT115AGM	5014994110541	12	80	800	317	175	190	190	0	T1	B13
QBT005R3	5014994110701	12	60	540	230	172	202	223	1	T1	N
QBT0173	5014994110718	12	88	760	354	175	175	175	0	T1	B13
QBT0183	5014994110725	12	88	760	354	175	175	175	1	T1	B13
QBT0193	5014994110732	12	90	800	354	175	190	190	0	T1	B13
QBT0203	5014994110749	12	110	950	393	175	190	190	0	T1	B13
QBT0273	5014994110763	12	60	570	242	175	190	190	0	T1	B13
QBT0303	5014994110770	12	70	640	255	172	202	223	0	T1	N
QBT0313	5014994110787	12	70	640	255	172	202	223	1	T1	N
QBT0373	5014994110794	12	35	300	239	133	180	200	0	T4	B12
QBT0383	5014994110800	12	35	300	239	133	180	200	1	T1	B12
QBT0433	5014994110817	12	45	410	238	129	202	225	1	T3	N
QBT0443	5014994110831	12	45	410	238	129	202	225	0	T3	N
QBT0483	5014994110855	12	45	370	220	135	202	225	0	T1	B01
QBT0493	5014994110879	12	45	370	220	135	202	225	1	T1	B01
QBT0543	5014994110886	12	40	360	187	127	202	225	0	T3	N
QBT054HD3	5014994110893	12	40	360	187	135	202	225	0	T3	B01
QBT0553	5014994110916	12	40	360	187	127	202	225	1	T3	N
QBT0633	5014994110923	12	40	380	207	175	175	175	0	T1	B13
QBT0653	5014994110930	12	55	515	242	175	175	175	0	T1	B13
QBT0673	5014994110947	12	64	600	278	175	190	190	0	T1	B13

Reference	EAN	Voltage	Ah (20hr rate)	CCA (SAE)	Length (mm)	Width (mm)	Case Height (mm)	Height (mm)	Layout	Terminal	Hold Downs
Powerbox CV											
QBT623C	5014994111524	12	180	1150	513	223	197	223	4	T1	N
QBT624C	5014994111531	12	210	1200	518	273	216	242	4	T1	N
QBT625C	5014994111555	12	210	1200	518	273	216	242	3	T1	N
QBT626C	5014994111562	12	135	800	513	189	197	223	4	T1	N
QBT630C	5014994111593	12	115	800	514	175	210	210	3	T1	B03
QBT631C	5014994111609	12	115	800	514	175	210	210	4	T1	B03
QBT633C	5014994111616	12	135	950	360	250	213	230	6	T1	N
QBT638C	5014994111623	12	140	900	508	175	185	205	0	T1	B01
QBT641C	5014994111630	12	120	1000	330	172	225	240	9	T8	N
QBT642C	5014994111647	12	120	1000	330	172	225	240	9	T1	N
QBT643C	5014994111654	12	96	640	345	172	213	238	0	T1	N
QBT644C	5014994111661	12	96	640	345	172	213	238	1	T1	N
QBT647C	5014994111678	12	105	750	345	172	262	290	0	T1	N
QBT648C	5014994111685	12	105	750	345	172	262	290	1	T1	N
QBT667C	5014994111692	12	105	750	345	172	213	238	0	T1	B01
QBT702C	5014994111715	6	200	520	311	184	340	365	0	T9	N
QBT703C	5014994111722	6	260	690	368	184	343	368	0	T9	N
QBT711C	5014994111739	6	160	475	258	181	340	365	0	T1	N
QBT712C	5014994111753	6	200	520	311	184	340	365	0	T1	N
QBT713C	5014994111760	6	260	690	368	184	343	368	0	T1	N
QBT721C	5014994111777	6	160	540	364	176	230	260	0	T9	N
QBT722C	5014994111791	6	200	665	422	176	230	260	0	T9	N
QBT732C	5014994111807	6	160	540	364	176	220	243	0	T1	N
QBT733C	5014994111814	6	200	665	422	176	220	243	0	T1	N

Family Tree

Power Box AGM Car. 4 references			Power Box ECM Car. 3 references			Power Box 5 Range. 7 references			Power Box 3 Range. 55 references			Power Box CV range. 8 references			Power Box CV range. 37 references		
Reference	Ah	CCA	Reference	Ah	CCA	Reference	Ah	CCA	Reference	Ah	CCA	Reference	Ah	CCA	Reference	Ah	CCA
									QBT004L3	45	440				QBT501C	85	385
									QBT004LHD3	45	440				QBT511C	105	425
									QBT004R3	45	440				QBT521C	115	465
									QBT005L3	60	540				QBT531C	135	485
									QBT005R3	60	540				QBT541C	150	510
						QBT0175	90	840	QBT0173	88	760				QBT620C	180	1150
									QBT0183	88	760				QBT622C	130	890
QBT019AGM	90	900				QBT0195	100	900	QBT0193	90	800				QBT623C	180	1150
									QBT0203	110	950				QBT623HDC	180	1150
QBT027AGM	60	640	QBT027ECM	60	520	QBT0275	63	600	QBT0273	60	570				QBT624C	210	1200
									QBT0303	70	640	QBT632CX	230	1300			
									QBT0313	70	640				QBT625C	210	1200
									QBT0373	35	300	QBT627CX	135	800			
									QBT0383	35	300	QBT629CX	170	1090			
									QBT0433	45	410				QBT630C	115	800
									QBT0443	45	410				QBT631C	115	800
									QBT0483	45	370				QBT633C	135	950
									QBT0493	45	370				QBT638C	140	900
									QBT0543	40	360				QBT641C	120	1000
									QBT054HD3	40	360				QBT642C	120	1000
									QBT0553	40	360	QBT663CX	105	750	QBT643C	96	640
						QBT0635	46	490	QBT0633	40	380	QBT664CX	105	750	QBT644C	96	640
									QBT0653	55	515	QBT655CX	126	850	QBT647C	105	750
									QBT0673	64	600	QBT656CX	126	850	QBT648C	105	750
									QBT0683	68	570	QBT665CX	115	870			
									QBT0693	68	570				QBT667C	105	750
									QBT0723	70	590				QBT702C	200	520
						QBT0755	63	630	QBT0753	60	590				QBT703C	260	690
									QBT0773	40	380				QBT711C	160	475
									QBT0783	55	515				QBT712C	200	520
									QBT0793	45	420				QBT713C	260	690
									QBT0853	40	380				QBT721C	160	540
									QBT0863	72	670				QBT722C	200	665
									QBT0953	65	620				QBT732C	160	540
QBT096AGM	70	760	QBT096ECM	70	680	QBT0965	75	720	QBT0963	72	670				QBT733C	200	665
									QBT0973	55	530						
						QBT1005	74	740	QBT1003	70	670						
									QBT1013	24	290						
									QBT101R3	24	290						
									QBT1023	38	350						
									QBT1043	28	230						
									QBT1103	80	800						
									QBT1113	60	620						
									QBT1133	60	620						
QBT115AGM	80	800	QBT115ECM	80	740				QBT1153	90	900						
									QBT1583	45	410						
									QBT1593	45	410						
									QBT2023	40	350						
									QBT2493	90	770						
									QBT2503	90	770						
									QBT4043	77	360						
									QBT4213	63	295						
									QBT8003	54	500						
									QBT9003	74	740						

Alternatives

	Higher Capacity Version	Opposite Layout	Lower Case Version	Higher Case Version	Other Brand References	Nearest ETN Reference
Powerbox SS Extra						
QBT019AGM					VR900 / EK900 / AGM900	570 901 076
QBT027AGM					VR640 / AGM600	560 901 068
QBT096AGM					VR760 / EK700 / AGM700	595 901 085
QBT115AGM					VR800 / EK800 / AGM800	580 901 080
Powerbox SS						
QBT027ECM					TR520 / EL600	560 500 056
QBT096ECM					TR680 / EL700	570 500 065
QBT115ECM					TR740 / EL800	580 500 073
Powerbox Extra						
QBT0175					024 / 112	588 043 074
QBT0195					017	600 402 083
QBT0275			QBT0175		013	563 400 061
QBT0635					076 / 006 / 007	552 401 052
QBT0755				QBT0275	040 / 065	561 400 060
QBT0965			QBT1005		067	577 400 078
QBT1005				QBT0965	010	574 402 075
Powerbox						
QBT004L3		QBT004R3			008	550 041 036
QBT004LHD3						550 045 036
QBT004R3		QBT004L3			004	550 042 036
QBT005L3		QBT005R3			005	560 410 054
QBT005R3		QBT005L3			002 / 014	560 411 054
QBT0173	QBT0175	QBT0183			024 / 112	588 043 074
QBT0183	QBT0195				019	590 122 072
QBT0193		QBT0173			017R	590 123 072
QBT0203						610 402 092
QBT0273	QBT0275	QBT0783	QBT0753		013	563 400 061
QBT0303		QBT0303			073 / 088	570 412 063
QBT0313		QBT0313			071 / 089 / 091	570 413 063
QBT0373					035	538 082 024
QBT0383					015 / 036	538 080 024
QBT0433		QBT0443			155 / 157	545 157 033
QBT0443		QBT0433			154 / 156	545 155 033
QBT0483		QBT0493				545 077 030
QBT0493		QBT0483				545 079 030
QBT0543		QBT0553				540 126 033
QBT054HD3						535 108 028
QBT0553		QBT0543			028	540 127 033
QBT0633	QBT0635	QBT0773		QBT0793	006 / 007	544 402 044
QBT0653	QBT0275	QBT0783		QBT0273	040	555 155 054
QBT0673	QBT0965	QBT0863	QBT1003			574 012 068
QBT0683		QBT0693				570 029 054

Alternatives (cont)...

Higher Capacity Version	Opposite Layout	Lower Case Version	Higher Case Version	Other Brand References	Nearest ETN Reference
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Powerbox					
QBT0693	QBT0683			003	570 024 054
QBT0723				372	572 025 042
QBT0753	QBT0755		QBT0273	090	560 409 054
QBT0773	QBT0793			001	545 413 040
QBT0783	QBT0273				563 401 061
QBT0793	QBT0773	QBT0633		012	554 400 053
QBT0853				083	545 172 042
QBT0863	QBT0963			082 / 096R	574 013 068
QBT0953				066 / 098 / 099	570 145 064
QBT0963	QBT0965	QBT0863	QBT1003		577 400 078
QBT0973				064 / 092	555 156 054
QBT1003	QBT1005		QBT0963	010 / 080	574 402 075
QBT1013	QBT101R3			895	530 030 030
QBT101R3	QBT1013			896	524 101 030
QBT1023	QBT2023			002R / 202R	532 035 024
QBT1043				047	5320 29 026
QBT1103			QBT1153		585 200 080
QBT1113	QBT1133			AM58 or AM58R (check terminal layout)	557 017 045
QBT1133	QBT1113			AM58 or AM58R (check terminal layout)	557 016 045
QBT1153		QBT1103			580 043 064
QBT1583	QBT1593			053 / 057 (check terminal layout)	545 156 033
QBT1593	QBT1583			053 / 057 (check terminal layout)	545 158 033
QBT2023	QBT2023			002L / 202L	542 400 039
QBT2493	QBT2503			335 / 337	595 404 083
QBT2503	QBT2493			334 / 336	595 405 083
QBT8003				75-60	
QBT9003				75-70	
QBT4043					056 011 026
QBT4213					066 017 036

Powerbox CV					
QBT501C					098 015 048
QBT511C					112 025 051
QBT521C					140 023 072
QBT531C					135 012 064
QBT541C					150 030 076
QBT620C	QBT623HDC			320	670 104 100
QBT622C				222	630 014 068
QBT623HDC	QBT629CX			323	643 034 090
QBT623C	QBT620C				680 109 100
QBT624C	QBT625C			324	705 016 095
QBT625C	QBT632CX	QBT624C		325	700 038 105

Higher Capacity Version	Opposite Layout	Lower Case Version	Higher Case Version	Other Brand References	Nearest ETN Reference
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Powerbox					
QBT0693		QBT0683		003	570 024 054
QBT0723				372	572 025 042
QBT0753	QBT0755		QBT0273	090	560 409 054
QBT0773		QBT0793		001	545 413 040
QBT0783		QBT0273			563 401 061
QBT0793		QBT0773	QBT0633	012	554 400 053
QBT0853				083	545 172 042
QBT0863		QBT0963		082 / 096R	574 013 068
QBT0953				066 / 098 / 099	570 145 064
QBT0963	QBT0965	QBT0863	QBT1003		577 400 078
QBT0973				064 / 092	555 156 054
QBT1003	QBT1005		QBT0963	010 / 080	574 402 075
QBT1013		QBT101R3		895	530 030 030
QBT101R3		QBT1013		896	524 101 030
QBT1023		QBT2023		002R / 202R	532 035 024
QBT1043				047	5320 29 026
QBT1103			QBT1153		585 200 080
QBT1113		QBT1133		AM58 or AM58R (check terminal layout)	557 017 045
QBT1133		QBT1113		AM58 or AM58R (check terminal layout)	557 016 045
QBT1153			QBT1103		580 043 064
QBT1583		QBT1593		053 / 057 (check terminal layout)	545 156 033
QBT1593		QBT1583		053 / 057 (check terminal layout)	545 158 033
QBT2023		QBT2023		002L / 202L	542 400 039
QBT2493		QBT2503		335 / 337	595 404 083
QBT2503		QBT2493		334 / 336	595 405 083
QBT8003				75-60	
QBT9003				75-70	
QBT4043					056 011 026
QBT4213					066 017 036

Powerbox CV					
QBT501C					098 015 048
QBT511C					112 025 051
QBT521C					140 023 072
QBT531C					135 012 064
QBT541C					150 030 076
QBT620C		QBT623HDC		320	670 104 100
QBT622C				222	630 014 068
QBT623HDC		QBT629CX		323	643 034 090
QBT623C		QBT620C			680 109 100
QBT624C		QBT625C		324	705 016 095
QBT625C	QBT632CX	QBT624C		325	700 038 105

Cross References

Current JIS* Reference	Old JIS* Reference	QH Reference
42B19R	NS 40Z	QBT0553
42B19L	NS 40ZL	QBT0543
55B24R	NS60(S)/L NX110-56	QBT0433
55B24L	-	QBT0443
55B24RS	-	QBT1593
55B24LS	-	QBT1583
65D23R	-	QBT005R3
65D23L	-	QBT005L3
75D23R	-	QBT005R3
75D23L	-	QBT005L3
48D26R	N50	QBT0313
48D26L	N50L	QBT0303
55D26R	N50Z	QBT0313
55D26L	N50ZL	QBT0303
85D26R	NX110-5 NS70	QBT0313
85D26L	-	QBT0303
65D31R	N70	QBT2503
65D31L	N70L	QBT2493
105D31R	NX120-7	QBT2503
105D31L	NX120-7L	QBT2493
CMF100R	-	QBT2503
CMF100L	-	QBT2493
130F51	N120	QBT626C
145F51	NS150	QBT626C
155G51	N150	QBT623C
165G51	NS200	QBT623C
190H52	N200	QBT624C
12N24-3	30A19L	QBT1013
12N24-4	30A19R	QBT101R3
NS40	32B20R	QBT0553
NS40L	32B20L	QBT0543
NS40Z	36B20R	QBT0553
NS40ZL	36B20L	QBT0543
N40	32C24R	QBT1593
N40L	32C24L	QBT1583
NS60	46B24R	QBT0433
NS60L	46B24L	QBT0443
NS60S	46B24RS	QBT1593

Current JIS* Reference	Old JIS* Reference	QH Reference
NS60SL	46B24LS	QBT1583
N50	48D26R	QBT0313
N50L	48D26L	QBT0303
N50Z	55D26R	QBT0313
N50ZL	55D26L	QBT0303
NS70	65D26R	QBT0313
NS70L	65D26L	QBT0303
N70	65D31R	QBT2503
N70L	65D31L	QBT2493
N70Z	75D31R	QBT2503
N70ZL	75D31L	QBT2493
N120A	-	QBT626C
N120	130F51	QBT626C
N135	-	QBT623C
N150	155G51	QBT623C
N200A	-	QBT624C
N200	190H52	QBT624C
PT88	-	QBT2503
PT88L	-	QBT2493
NX100-56	55B24R	QBT0433
NZ110-5	80D26R	QBT0313
NX120-7	105D31R	QBT2503
NS150	145F51	QBT626C or QBT627CX check terminal layout
NT200-12	150F51	QBT626C or QBT627CX check terminal layout
NX250-12	170F51	QBT626C or QBT627CX check terminal layout
NS200	165G51	QBT623C or QBT629CX check terminal layout
NX300-15	195G51	QBT623C or QBT629CX check terminal layout
NX400-20	245H52	QBT624C or QBT625X check terminal layout

*Japanese Industrial standard

Buyer's Guide

Quinton Hazell Reference	Rank	Percentage	Popular Fitments
Powerbox SS Extra			
QBT096AGM	1	34.31%	Aston Martin, Audi, BMW, Ferrari, Mercedes-Benz, Mini, Peugeot, Saab, Seat, Renault, VW
QBT019AGM	2	31.37%	Aston Martin, Audi, BMW, Chrysler, Ferrari, Mercedes-Benz, Porsche, Vauxhall, VW
QBT027AGM	3	25.49%	Alfa Romeo, Audi, BMW, Citroen, Fiat, Ford, Hundia, Peugeot, Renault, VW
QBT115AGM	4	8.82%	Audi, BMW, Chrysler, Jaguar, Mercedes-Benz, Nissan, Porsche, Volvo, VW

Powerbox SS			
QBT027ECM	1	57.14%	Alfa Romeo, Fiat, Ford, Hyundai, Kia, Toyota
QBT096ECM	2	28.57%	Alfa Romeo, Fiat, Ford, Hyundai, Kia
QBT115ECM	3	14.29%	Alfa Romeo, Ford, Hyundai

Powerbox 5			
QBT0635	1	24.31%	Citroen, Fiat, Ford, Peugeot, Renault, Vauxhall, VW, Volvo
QBT0755	2	21.05%	Audi, BMW, Fiat, Ford, Renault, Rover, Vauxhall, VW
QBT0965	3	17.98%	Alfa Romeo, Audi, BMW, Citroen, Fiat, Mercedes, Peugeot, Renault, Volvo, VW
QBT1005	4	11.62%	Audi, Citroen, Ford, Peugeot, Renault, Rover, Vauxhall, VW
QBT0275	5	10.43%	Alfa Romeo, Audi, Citroen, Fiat, Peugeot, Renault, Volvo
QBT0195	6	9.89%	Audi, BMW, Fiat, Mercedes, Vauxhall, Volvo, VW
QBT0175	7	4.71%	BMW, Vauxhall

Powerbox 3			
QBT0633	1	21.69%	Citroen, Fiat, Ford, Peugeot, Renault, Vauxhall, VW, Volvo
QBT0753	2	12.02%	Audi, BMW, Fiat, Ford, Renault, Rover, Vauxhall, VW
QBT0963	3	10.11%	Alfa Romeo, Audi, BMW, Citroen, Fiat, Mercedes, Peugeot, Renault, Volvo, VW
QBT0273	4	7.51%	Alfa Romeo, Audi, BMW, Citroen, Fiat, Peugeot, Renault, Volvo, VW
QBT1003	5	6.11%	Audi, Citroen, Ford, Peugeot, Renault, Rover, Vauxhall, VW
QBT0653	6	3.66%	Audi, Fiat, Rover, Seat, Skoda, Vauxhall
QBT0793	7	3.62%	Alfa Romeo, Audi, BMW, Citroen, Fiat, Peugeot, Renault, Seat, Volvo, VW
QBT1583	8	3.42%	Honda, Hyundai, Kia, Mazda, Mitsubishi, Nissan, Proton, Toyota
QBT005L3	9	2.99%	Honda, Hyundai, Kia, Mazda, Nissan, Subaru, Suzuki
QBT1103	10	2.86%	Audi, BMW, Ford, Jeep, Porsche, Toyota, Vauxhall, Volvo
QBT2023	11	2.51%	Citroen, Fiat, Peugeot, Seat, Skoda, Toyota, Vw
QBT1593	12	2.49%	Honda, Hyundai, Kia, Toyota
QBT0193	13	2.42%	Audi, BMW, Fiat, Mercedes, Porsche, Renault, Vauxhall, Volvo, VW
QBT0543	14	2.29%	Daewoo, Honda, Nissan, Perouda, Suzuki
QBT2503	15	1.75%	Daewoo, Mazda, Mitsubishi, Nissan, Ssangyong, Toyota
QBT2493	16	1.61%	Daihatsu, Hyundai, Isuzu, Kia, Lexus, Nissan, Toyota
QBT0693	17	1.52%	Alfa Romeo, British Leyland, Lada, Rover, Saab
QBT0173	18	1.47%	BMW, Maserati, Vauxhall
QBT0383	19	0.96%	British Leyland, Agricultural
QBT0723	20	0.96%	Bentley, Land Rover, LDV, Rolls Royce, TVR
QBT0303	21	0.85%	Hyundai, Isuzu, Kia, Lexus, Mazda, Nissan, Suzuki, Toyota
QBT1013	22	0.81%	Reliant, Agricultural

Buyer's Guide (cont)...

Quinton Hazell Reference	Rank	Percentage	Popular Fitments
Powerbox 3			
QBT004L3	23	0.59%	Daewoo, Kia, Mazda, Toyota
QBT0313	24	0.58%	Chevrolet, Daewoo, Lexus, Mitsubishi, Nissan, Proton, Subaru, Toyota,
QBT0553	25	0.58%	Daihatsu, Honda, Suzuki
QBT101R3	26	0.56%	Reliant, Agricultural
QBT0853	27	0.41%	Ford
QBT054HD3	28	0.36%	Hyundai, Kia
QBT005R3	29	0.34%	Chevrolet, Daewoo, Honda, Mazda, Hyundai, Mitsubishi, Nissan, Proton, Subaru, Toyota
QBT0483	30	0.32%	Peugeot, Renault
QBT0683	31	0.32%	British Leyland
QBT0863	32	0.27%	Agricultural
QBT0673	33	0.26%	Citroen, Fiat, Peugeot, Renault, VW
QBT0443	34	0.25%	Daihatsu, Mazda, Mitsubishi, Suzuki, Toyota
QBT0373	35	0.24%	Ford (pre 1975)
QBT0973	36	0.21%	Ford (pre 1975)
QBT0493	37	0.19%	Talbot
QBT0433	38	0.19%	Honda, Mitsubishi, Suzuki, Toyota
QBT0783	39	0.15%	Fiat, Lancia, Seat
QBT004LHD3	40	0.11%	Hyundai, Kia
QBT4213	41	0.10%	MGB (6 volt)
QBT0773	42	0.07%	Fiat, Lancia, Seat
QBT1153	43	0.07%	Audi, BMW,Chrysler, LDV, Porsche, Saab, Volvo, VW
QBT0203	44	0.05%	Audi, BMW, Land Rover, Porsche
QBT0953	45	0.04%	Ford (pre 1975)
QBT4043	46	0.03%	Volkswagen (6 volt)
QBT1113	47	0.03%	Dodge, Jeep
QBT9003	48	0.02%	Ford USA, Chrysler USA
QBT1023	49	0.02%	Suzuki
QBT8003	50	0.02%	Ford USA, Chrysler USA
QBT004R3	51	0.01%	Honda, Kia, Nissan
QBT1043	53	0.01%	Reliant, Agricultural
QBT0183	54	0.01%	Agricultural
QBT1133	55	0.00%	Chrysler, Ford, Kia, Mazda
QH1133	55	0.00%	Chrysler, Ford, Kia, Mazda

Guarantee

Quinton Hazell batteries sold as replacement are guaranteed against premature failure due to manufacturing or material defects only. In the event of such battery failure, the battery should be returned with proof of purchase to the original Quinton Hazell Distributor for testing. Subject to testing by the distributor the battery will be exchanged free of charge.

- The distributor has the right to test and if necessary, charge the battery before agreeing to the claim
- This does not affect the statutory rights of the customer in anyway
- The Guarantee is subject to Terms and Conditions
- The Guarantee is valid only for the purchaser of the battery, and is not transferable

Battery range	Application	Guarantee against faulty workmanship or materials
Powerbox SS Extra	CAR	3 Years
Powerbox SS	CAR	3 Years
Powerbox Extra	CAR	5 Years
Powerbox	CAR	3 Years
Powerbox CV	CV	2 Years
Powerbox CV	CV	2 Years
Leisure	Leisure	2 Years
Leisure Plus	Leisure	2 Years

Import – Exclusions

This guarantee excludes batteries used on the following applications -

Taxi cabs	1 Year
Ambulances	1 Year
Police Cars	1 Year
Fire Engines	1 Year
Cyclic applications**	6 Months

** e.g. trailers & caravans, boats, lawnmowers, wheelchairs, golf trolleys & buggies, emergency lighting, etc.

The guarantee does not cover:

- Failure resulting from wear and tear, misuses and negligence, either before or during use e.g. overcharged, cycled, sulphated or undercharged.
- Failure resulting from the use of any fluids other than distilled or deionised water.
- Use of a battery on a vehicle or unit for which is not recommended or on which it has been installed and commissioned incorrectly.
- Failure or deterioration resulting from the malfunction of ant charging systems.

The guarantee cannot be transferred and only applies to the original user of the battery.

The guarantee commences from date of purchase.

The guarantee does not effect the statutory rights of the consumer in any way.

No guarantee claim will be actioned without a dated proof of purchase.

Labour claims can only be accepted in the event of proven liability.

Warranty

EQUIPMENT REQUIRED FOR TESTING WARRANTY

1. Voltmeter, use to test the voltage of the battery.
2. Variable High Rate Discharge Tester, simulates starter motor.
3. Hydrometer, tests the condition and strength of the electrolyte in each cell of the battery by examining the acid. The electrolyte is "pumped" to ensure mixing.



Voltmeter (good quality)



Variable High Rate Discharge Tester



Hydrometer

Warranty equipment available to purchase.

INITIAL WARRANTY CHECKS

Q1. Is the battery Quinton Hazell branded and being used for the correct application according to this catalogue?

Yes - go to Q2. No - The battery is not of our supply and therefore not covered under warranty.

Q2. Check the condition of the battery to ensure

- no damage
- no cracked casing etc
- no damage to the terminals

If damaged, the battery is no longer covered under warranty. If not, go to Q3.

Q3. Check the battery is within the warranty period.

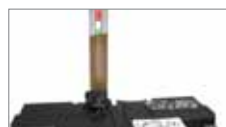
If it is not, the battery is no longer covered under warranty as this period has expired.

More than 85% of warranty claims are due to a fault on the car and not the battery. Remember to always observe and practice all of the necessary health and safety precautions when handling batteries. Ensure you are wearing protective clothing and have adequate eye protection.

SERVICE ABUSE



1. Brown acid = This battery has been over-cycled or over charged, customer to check battery has been fitted to the correct application and to check other equipment is functioning properly (i.e. alternator)



3. Other Colour = Battery has been contaminated



2. Milky = This battery has sulphated due to under-charging or being left for a pro-longed period of time in a partially charged state



4. No Acid = overcharged or tipped over

Stock Rotation

- All batteries contain 'active materials' and have a limited shelf-life, therefore you should have a stock rotation system in place that utilises a 'First-In-First-Out' principle
- Store batteries in an upright position in a cool, dry and well-ventilated area
- Regularly check the open-circuit voltage across the terminals, using a digital voltmeter, charge any batteries that have a voltage lower than 12.45V.
- You should use a charger which supplies Amps at 10% of the A/h rating
 - Perhaps use a traffic light sticker system on your stocks:
 - GREEN sticker = fully charged (12.6V +)
 - ORANGE sticker = will need recharging soon (12.45V – 12.6V)
 - RED sticker = do not sell, needs recharging (12.44V or less)

Battery Care & Maintenance

A) STORAGE

1. Always rotate your stock. Practice FIFO (First In, First Out). Batteries slowly lose their charge and good stock rotation stops the batteries going flat in storage and makes sure that the customer buys a good quality battery.
2. Store batteries in cool, dry, well-ventilated areas.
3. Store batteries in an upright position.
4. Store batteries on racks or on pallets, not on the floor. (Small stones or sharp points on a concrete floor can damage the base of the battery and cause leakage.)
5. Make sure handles are left in the flat (down) position. Upright handles are more likely to be damaged.

B) MAINTENANCE OF STOCK

Wet-Charged Batteries

1. Check the open-circuit voltage of the batteries in your stock every month using a digital voltmeter or a multimeter. If any have a voltage below 12.50V (6.25V for 6V batteries), perform a refresh charge.

C) COMMISSIONING

Wet-Charged Batteries

1. Do not supply a battery to a customer (end-user) if the voltage is below 12.50V (6.25V for 6V batteries). Charge any batteries with voltages below these values.
2. We recommend you check the condition of the battery before selling it using one of the methods described in Section G.

D) ELECTROLYTE LEVELS (ACID LEVELS) IN STOCK

NOTES: PLEASE READ BEFORE ADJUSTING ACID LEVELS

- Do not top up to the maximum level, a battery that needs charging (Levels rise on charging). However, if the levels are below the tops of the separators, top up with distilled or de-ionised water until the separators are just covered.
 - Adjust to the maximum level after the battery has stood for at least an hour after charging.
 - Never over fill a battery. (The acid may come out of the vent-plugs when the battery is being charged).
1. When the battery is in service, the electrolyte levels should be checked and adjusted to the levels given.
 2. Use only distilled or de-ionised water for topping up. (Sulphuric acid should never be used except for the initial filling of a battery.)
 3. If the battery has a maximum level line on the side of the container, fill to this maximum level.
 4. If there is no maximum line, but there are filling tubes projecting from the bottom of the lid, fill to the bottom of the tubes.

5. If there is not a maximum line nor filling tubes in polypropylene batteries, fill to 7mm (0.25 inches) below the bottom edge of the lid-skirt.
6. If there are no filling tubes in hard-rubber batteries, fill to 15mm (0.5 inches) above the tops of the separators.
7. Sealed batteries do not require maintenance.

E) SELECTING THE CORRECT BATTERY FOR THE APPLICATION

Car And Commercial Vehicle Batteries

1. Select the specified battery from the application section of this catalogue.
2. On 24 Volt systems, or when 2 of 12 Volt batteries are fitted in parallel, both batteries should be replaced at the same time. Failure to do this will result in greatly reduced battery life for the new battery that has been fitted. When batteries are joined in series, the negative terminal of one battery is connected to the positive terminal of the other, giving a total voltage of 24 Volts. The ampere-hour capacity of the system is the same as that of the individual batteries. When batteries are joined in parallel, the positive terminals of the 2 batteries are connected together, and the negative terminals of the 2 batteries are also connected together. The voltage of the system remains unchanged at 12 Volts, but the ampere-hour capacity of the system is double that of the individual batteries.

Leisure Batteries

1. Use the battery with the performance and size recommended by the equipment supplier.
2. We recommend that a leisure battery in a cycling application should be sized so that it is not normally discharged to more than 50% state of charge. This will ensure that the battery gives a good life. For example, a load of 3A for 10 hours will discharge a battery by 30Ah. If this represents 50% state of charge, we would recommend a 60Ah battery.

F) REMOVING BATTERIES AND INSTALLING BATTERIES ON VEHICLES

1. Switch off all electrical loads and remove the ignition key.
2. Disconnect the earth-connector first. (This is normally the negative on modern vehicles). This can result in the loss of memory settings; please refer to the vehicle handbook.
3. Disconnect the live-connector second.
4. Remove the hold-down clamps.

Preparation Of A Battery For Fitting

1. Check that the battery has the correct polarity for the vehicle.
2. Check that the battery has the correct height for the vehicle. (If a battery is too high, it can short out on the bonnet or the bottom of a seat, or it can damage the bonnet).

Battery Care & Maintenance (cont...)

3. It is good practice to place the old and new battery side by side to compare polarities, hold-downs and performance levels. Some batteries have hold-downs at both the sides and ends. Only the ones used for securing the battery on the vehicle need to be checked.
4. Check that the battery is clean and dry.
5. Check that the vent plugs or manifolds are firmly in position.
6. Check that the battery has a voltage of above 12.50V. If not, charge the battery or use another that has a voltage above 12.50V.
7. Ensure the 2 terminal caps are still fitted at this stage.

Preparation Of The Vehicle

1. Clear away any items on the battery tray, which might damage the battery. (Placing a heavy battery on a piece of sharp grit can puncture the bottom of the battery).
2. Check that the connectors, the hold-down clamps and the tray are clean and corrosion free. (If there is any corrosion, hot water will instantly remove this). If there is severe corrosion, which might affect the stability of the battery or has affected other parts of the engine compartment, have the vehicle checked by an authorised distributor.
3. Check that the alternator drive belt tension is correct. Refer to the vehicle handbook or service manual.
4. It is recommended that the electrical system and particularly the charging system of the vehicle be checked to make sure it is operating correctly. Refer to the vehicle handbook or service manual.

Installing The Battery

1. Fit and tighten the hold-down clamps. These should be tight enough to secure the battery and not allow it to move. DO NOT OVER TIGHTEN.
2. Connect the live-connector first to the correct battery terminal (normally the positive) after removing the terminal cap. DO NOT OVER TIGHTEN.
3. Connect the earth-connector to the other terminal after removing the terminal cap. DO NOT OVER TIGHTEN.
4. Place the 2 terminal caps on the old battery that has been removed from the vehicle to avoid the possibility of short-circuits.
5. Replace onto the new battery any components that have been taken from the old battery such as exhaust tubes, vent elbows, terminal covers, removable hold-down strips etc.
6. The use of petroleum jelly is not necessary on modern polypropylene batteries, but there is no disadvantage in using it. Smear lightly on the terminals. It is still recommended for hard rubber batteries.
7. For non-automotive applications, install the battery in line with the equipment suppliers recommendation.

G) CHARGING OFF-VEHICLE

NOTES: PLEASE READ BEFORE CHARGING BATTERIES

- Do NOT charge a battery if its temperature is below 3°C as the electrolyte may have frozen.
- Charging the battery on the vehicle is not recommended.
- Refer to the relevant section about removing the battery from the vehicle.
- Sealed vehicle batteries should be charged only on constant potential chargers or smart chargers. Do not charge on constant current chargers or boost chargers. Sealed vehicle batteries do not allow any access to the electrolyte and so cannot be topped up. There are no removable vent-plugs or manifolds. The battery is able to vent gases through breathing holes, and so it is not strictly sealed.
- A new, unused battery with a voltage below 11.00V should be scrapped and not charged.

General Procedure

1. Check the electrolyte levels in all the cells. If these are below the tops of the separators, top up with distilled or de-ionised water to the tops of the separators. Do not fill to a higher level before charging, but adjust the levels after charging.
2. If you are using a constant-current charger or boost charger, remove the vent-plugs or manifolds before charging. There is no need to remove the vent-plugs or manifolds if you are using a constant-potential or a smart charger.
3. Check that the charger is switched off.
4. When fitting the charger to the battery, connect the positive lead to the positive terminal and the negative lead to the negative terminal.
5. Switch on the charger. See below for the correct charging conditions depending on your type of charger.
6. Stop charging if the battery begins to gas freely (some gassing is normal during the last stages of charging) or if the battery temperature rises above 50°C.
7. Switch off the charger.
8. It is good practice to wait for about 20 minutes for the gases to clear before removing the leads from the battery, as some chargers remain live and can cause a spark.
9. Check the electrolyte levels in all the cells and top up if necessary.
10. Refit vent-plugs or manifolds if these have been removed.
11. Wash the battery with hot water and dry it.
12. Note: Many customers severely underestimate the amount of time necessary to charge a flat battery. This results in customers returning batteries, saying that they have charged the battery but that it is not holding charge.

Open-Circuit Voltage And High Rate Discharge Testers

1. Measure the open-circuit voltage of the battery using a digital voltmeter or a multimeter. To obtain a stable voltage, the battery should not have been used or charged for a minimum of 12 hours before checking the voltage.
2. If the voltage is below 12.50V, charge the battery in accordance with the section above.
NOTE - this type of tester will only give an accurate result on a fully charged battery. A common mistake is to use this type of tester on a discharged battery, and to judge that battery is faulty if a cell is seen to boil. A boiling cell on a flat battery does not mean that the battery is faulty.
3. Apply a load equal to half the SAE CCA cold cranking Amps for 15 seconds. Observe the voltage during this time and record the voltage after 15 seconds. You will find the CCA in the battery specifications section of the catalogue or on the label. Use an approved, calibrated tester.
4. If the voltage after 15 seconds is stable and above 9.60V, the battery is in a satisfactory condition with no faults.
5. If the voltage is below 9.60V after 15 seconds and is falling rapidly, the battery should be replaced. If it falls very slowly this indicates a discharged battery, recharge and re-test.

H) CHECKING BATTERY PERFORMANCE

ELECTRONIC TESTERS USING CONDUCTANCE TECHNOLOGY

Please refer to page 58.

Drop Testers

1. Drop testers have 2 spikes that are pressed into the tops of the battery terminals and a simple voltmeter to check the discharge voltage.
2. We do not recommend these testers as:
 - They are potentially unsafe to use as most types produce a spark when the spikes are first pressed into the terminals, which could result in an explosion.
 - The discharge rate is similar for all sizes of battery, and so they do not give a good indication of battery condition.
 - They give misleading results on discharged batteries.

I) MAINTENANCE IN SERVICE

General

1. Always refer to the information contained in the handbook or brochure supplied with the vehicle or equipment.

Definition Of Maintenance-Free

1. Some starter batteries for cars and commercial vehicles conform to the relevant sections of BS EN 60095-1: 1993 Amendment A12; 1999 for maintenance free characteristics. This means that in normal vehicle applications in temperate climate operation, it is not necessary to add de-ionised water.
2. Some batteries are designed to be topped up with de-ionised water if water should be lost owing to, for example, a charging system fault, prolonged operation in hot climates, excessive off-vehicle charging etc.

3. NOTE - the term maintenance free applies only when the battery is used in an approved automotive or commercial vehicle application.

Definition Of Low Maintenance

1. Low maintenance batteries in normal vehicle applications in temperate climate operation need water addition only at yearly intervals.
2. Some batteries are designed to be topped up with de-ionised water if water should be lost owing to, for example, a charging system fault, prolonged operation in hot climates, excessive off-vehicle charging etc.
3. NOTE - the term low maintenance applies only when the battery is used in an approved commercial vehicle application.

Battery Maintenance In Automotive Applications

1. Carry out the checks below at the recommended vehicle service intervals.
2. Check the electrolyte level and top up with de-ionised water if necessary. See section above for details about how to do this. (As explained above, it should not be necessary to add water unless the battery has encountered exceptional conditions).
3. Check that the battery is clean and dry and that the vents are not obstructed.
4. Check that the terminal-connectors and the hold-down clamps are securely connected and corrosion free.
5. If the battery is on a vehicle that is not to be used for an extended period (more than 1 month), disconnect it from the vehicle. Refer to Section G for information about removing the battery from the vehicle. Modern cars have electrical accessories that slowly discharge the battery even when the ignition key has been removed. Some accessories such as alarms, trackers and phones can cause a battery to become discharged in a few weeks.
6. Fully charge the battery before storage and give it a refreshing charge every 3 months.

Battery Maintenance In Non-Automotive Traction And Deep Discharge Application

1. Typical applications are lawnmowers, electric wheelchairs, caravans etc. The Leisure battery range is recommended for these applications; standard vehicle batteries are not suitable.
2. Ensure that the battery is always kept in as high a state of charge as possible. Always re-charge immediately after use.
3. Check the electrolyte levels on a regular basis dependant upon use. Charging batteries regularly on a non-vehicle charging system may result in a higher rate of water loss.
4. Check that the battery is clean and dry and that the vents are not obstructed.
5. If the battery is not to be used for an extended period (more than 1 month), fully charge it before storage, and give it a refreshing charge every 3 months.

Battery Care & Maintenance (cont...)

Battery Maintenance In Non-Automotive Float Applications

1. Typical applications are motor generators, stand by applications etc. The Leisure/SLA/GEL battery range is recommended for these types of applications; standard vehicle batteries are not suitable.
2. Batteries used in these applications should be charged every 2 years or more frequently (Continuous charging, even from a well-controlled charging system, will result in internal degradation of the battery. This could result in the battery not giving its predicted output when required even though the battery appears to be fully charged).
3. Ensure that the battery is always kept in as high a state of charge as possible without causing excessive overcharge. Always recharge immediately after use.
4. Check the electrolyte levels on a regular basis dependant upon use, but not less frequently than monthly. Charging batteries continuously on a nonvehicle charging system may result in a higher rate of water loss.
5. Check that the battery is clean and dry and that the vents are not obstructed.
6. If the battery is not to be used for an extended period (more than 1 month), fully charge it before storage, and give it a refreshing charge every 3 months.
7. Best practice is to define a regular maintenance routine and to record the results. This should include such variables as the amount of de-ionised water added to each cell, specific gravities in each cell, battery voltage etc.

Use Of Battery Additives

1. We do not recommend the use of battery additives.
2. The use of these invalidates the guarantee.

Digital Conductance Testers Explained

The electrical performances given on a battery's label provides information as to its ability to supply sufficient current to start the engine and to run the various electrical loads. The rate are in accordance with EN 50342 the specification for lead acid starter batteries.

The Cold Cranking Amps (CCA) is relevant to the current required to turn the engine over (particularly in cold conditions when a battery needs to work harder).

The Ampere hour capacity or reserve capacity measures the stored energy available for ancillary equipment and periods of inactivity of the vehicle.

There are various national and international standards which are used to illustrate the batteries ability to perform as required and perform the tasks they are designed for.

As clearly visible from the later text there are very strict and specific tests to which the batteries must comply with.

There are many testers now available within the automotive industry which claim to be able to evaluate batteries to these specifications and supply results in accordance with these specifications and in many cases these are relatively low cost (£200 - £300) per unit.

None of these testers carries out the specific test requirement. The testers work on either the impedance or internal resistance of the battery. The testers then rely on the use of an internal algorithm (developed by the manufacturer and different in every case) which attempts to compare the impedance to state of health. Then to use this to estimate the batteries potential CCA or available capacity.

Most testers require the battery to be in a fully charged condition to give the most accurate reading, when a battery is in a partial state of charge (as most batteries are) it is more difficult to assess the battery "Performance rating" as these testers claim to.

These Readings Are Often Misleading Due To The Following:

- Battery temperature is crucial when testing. None of the testers assess battery temperature (Some claim to have temperature compensation but this is generally not graduated and relies on user estimates).

Different battery manufacturers make batteries in different ways (grid technology and design, separator material and manufacturer etc); this creates different impedance and internal resistances for the same battery rating. Testers ideally need to be calibrated to specific battery suppliers. True battery capacity and CCA can only be assessed by carrying out the tests as laid out in the EN (European Norm) JIS (Japanese industrial Standard) or SAE (US society of Automotive Engineers) specifications at the specified temperatures and currents listed.

Any tester using an algorithm to try and match actual readings will have difficulty in producing accurate and consistent performance data in an instant test with no loads applied.

- These testers do not actually discharge the battery at all, so no current is drawn
- These testers do not actually discharge the battery, so no end voltage can be measured and no period of time elapses
- The test only lasts a few seconds
- The battery temperature is not at -18C, it could be anything from below zero up to 40C

The equipment required to test these correctly to the above ratings costs in excess of £25,000, the two main suppliers being Bitrode and Digatron.

It is advisable to refer to the document 'EN 50342' which explains in great detail the rigorous tests that the batteries must comply with in order to be classified with regards to CCA Ah Capacity and reserve capacity all of which are relevant to a batteries state of health.

Digital Conductance Testers Explained (cont...)

Essentially these testers have been developed as a tool to assess if a battery has failed totally or can be recovered to continue in service. The intended use being "end of life assessment" not as a goods inwards check. The readings of CCA and capacity are at best estimates.

Users of these testers have sometimes complained that new batteries do not appear to achieve the CCA performance that is on the label (according to the tester read out).

- Electronic Conductance testers were NOT developed to test new and unused batteries.
- They have been specifically developed to assess the condition of USED batteries, and to establish if a battery has some useful life left or is at or close to failure.
- The aim was to determine quickly and with no skill if a battery is capable of continuing useful service or if it's at the end of its useful life.
- Why cannot new batteries be tested like used batteries? New and unused batteries have not always achieved their operating conductance level at the point of delivery; this creates a problem for the electronic tester. EN 50342 requires a number of charges and discharges are carried out, to assess a battery's performance. This is also the case when assessing any new battery. Basically all batteries require "Conditioning" prior to testing.
- Batteries at the point of delivery have necessarily been in storage for various lengths of time thus the state of charge will be quite variable. State of charge is a crucial part of the instruments algorithm the battery has to be in a known condition.

Different manufacturing operations and different battery designs will create different states of charge for the same voltage. This makes assessing battery condition and performance potential, with variable constructions and states of charge, very difficult. A Conductance tester can normally confirm that a battery is unserviceable. Their ability to assess the real performance of a battery is limited for the many reasons stated. Any "CCA READING" given by one of these testers should at best be considered only as a guide to actual performance. It is our experience that when testing a batch of batteries with these testers that the results appear to be "VARIABLE". Some show the batteries as OK, some will be low, and rather strangely some will be high. And if the same tests are performed on the same batteries a few hours later, different results are often obtained.

It is unlikely that batteries will perform at levels significantly in excess of the label ratings. It is not in the manufacturer's interest to underrate a battery.

The equipment that any good battery supplier would recommend for the testing of batteries is:

- A voltmeter to check open circuit voltage.
- A variable high rate discharge tester to check the products ability to supply a high current to replicate that required by the starter motor applying a real load to the battery.

- A hydrometer to check the specific gravity and condition of the electrolyte.
- A good quality charger to enable discharged units to be correctly and fully recharged.

With these 4 pieces of kit it is possible, with some training, to confirm that batteries are either fully charged and serviceable, discharged and requiring recharge or further testing, or service abuse not covered by warranty or have unusually failed due to a manufacturing defect.

Please Note: Whenever you are using any testing equipment, please ensure you are using the correct safety equipment, such as eye protection goggles.

S.A.E.

(Society Of Automobile Engineers) UK Norm

-18°C

Time = 30 sec

End voltage = 1.2 vpc (7.2 volts)

E.N.

(European Norm) New European Accepted Standard

-18°C

Time = 10 sec + Total Time at 60% of CCA = 90 secs

End voltage = 1.2 vpc (7.2 volts)

End Voltage = 1.0 vpc (6 volts)

D.I.N

(Deutsche Industrie Nationale)

-18°C

Time = 30 sec + Total Time = 90 secs

End voltage = 1.5 vpc (9 volts)

End Voltage = 1.0 vpc (6 volts)

I.E.C.

(International Electrotechnical Commission)

-18°C

Time = 60 sec

End voltage = 1.4 vpc (8.4 volts)

C.A.

(American BCI standard)

Also known as M.C.A (Marine Cranking Amps)

0°C

Time = 30 sec

End voltage = 1.2 vpc (7.2 volts)

Health & Safety

The handling and proper use of lead-acid batteries is not hazardous provided appropriate facilities are available and operatives, having been instructed, are adequately supervised and reasonable care taken.

The Purpose Of This Guide Is:

1. To indicate the potential hazards that may arise.
2. To outline the precautions to be taken to minimise such hazards.
3. To indicate the action to be taken in the event of an accident or emergency situation.

1) SULPHURIC ACID (ELECTROLYTE)

Batteries contain sulphuric acid, which may leak and may be given off as gasses and/or a fine mist during charging.

1.1 Nature of the Hazard

Battery acid is a poisonous and corrosive liquid which will cause burns and irritation to the skin and eyes and could burn clothing.

1.2 Precautions

- Always handle batteries with care and keep upright.
- Do not overfill batteries.
- Always charge in a well-ventilated area.
- Always use eye protection and protective clothing where there is any risk from splashes.
- Always keep away from children.

1.3 Accident or Emergency Action and Treatment

Skin Contact:

Immediately drench the affected area with clean water and remove any contaminated clothing. If any soreness or irritation persists seek medical advice.

Eye Contact:

Speed of action is vital. Immediately wash out the eyes with clean water for at least 10 minutes and seek prompt medical attention.

Ingestion:

Do NOT induce vomiting, but make the patient drink as much water or milk as possible and seek immediate medical attention.

1.4 Spillages

For small spillages, swill away thoroughly with plenty of water.

1.5 Disposal

Suitable acid resistant, labelled containers should be used. See also Section 6.

2) ELECTRICAL ENERGY

Electrical energy can be supplied from batteries and charging equipment.

2.1 Nature of the Hazard

Burns may occur from the heating effect on tools and conductive objects in contact with live battery terminals or conductors. In addition, sparks and molten metal may be ejected and combustible materials ignited. It is possible to receive a severe electric shock from charging equipment and from a number of batteries connected in series.

2.2 Precautions

Before using conductive tools on a battery, remove metallic personal adornments from the hands and wrists, i.e. watches and rings. Before working on a vehicle electrical system, disconnect the battery where there is any risk of accidental short circuits. Always disconnect the earth terminal from a battery first and connect last. Do not place tools or conductive objects on top of batteries.

Before using a battery charger, consult manufacturer's literature. Remember to switch the charger off before connecting or disconnecting a battery. See also Section 3.

2.3 Accident or Emergency Action & Treatment

Burns:

Cool the area with cold water, apply a sterile dressing and seek medical attention.

Electric Shock:

Immediate action is essential in cases of severe electric shock as the nerves controlling breathing and heart action may be affected. Do not delay treatment by calling for a doctor: this should be done quickly if help is available or when the casualty recovers:

1. Make sure it is safe to approach. If the casualty is not clear of a live conductor, break the contact. Switch off the current, remove the plug, or wrench the cable free. If this is not possible, stand on dry insulating material (wood, rubber, brick, thickly folded newspaper or a book) and try to push or pull the casualty clear of contact using similar insulating material as a lever. Do not touch him/her with bare hands.
2. If necessary give cardio pulmonary resuscitation.

3) EMISSION OF GASES

Hydrogen and oxygen are emitted during charging and can be emitted at other times, particularly if a battery is moved or shaken. Therefore, always consider that gas is present in the immediate vicinity or at the top of the battery.

3.1 Nature of the Hazard

An explosive atmosphere is created if the concentration of hydrogen in air exceeds 4%.

3.2 Precautions

- Always use eye protection where there may be any foreseeable risk.
- Charge in a well ventilated area.

Health & Safety (cont...)

- Avoid sources of ignition close to batteries.
- No smoking.
- No naked flames.
- Always switch off current before making or breaking electrical connection.
- Avoid sparks caused by accidental short circuits. See also Section 2.

3.3 Accident or Emergency Action Treatment

Seek any necessary medical attention and remember that sulphuric acid may have been ejected (See Section 1).

4) WEIGHT

Batteries are generally heavy, awkward units to handle and correct lifting techniques must therefore be used.

5) DAMAGED BATTERIES

Battery plates consist of lead and its compounds but can only be exposed if a battery is broken open. In the unlikely event of this happening any spillage should be well damped, swept up and placed in a suitable acid resistant, labelled container prior to disposal. Normal personal hygiene precautions should be observed. See also Sections 1 and 6.

6) DISPOSAL

Batteries, battery cases, battery acid and lead compounds, must not be burned but must be disposed of in accordance with the appropriate legislation. Used and scrap batteries are classified as Special Waste and are subject to the EEC Council Directive on Batteries and Accumulators containing dangerous substances. Those transporting scrap batteries must be registered with the Waste Regulations Authority and operate the Special Waste Consignment Note procedure.

For further information consult the Environmental Department of your Local Authority.

7) FIRE

Since batteries contain combustible materials the Local Fire Authority should be consulted where a quantity of batteries are stored together.

8) TRANSPORTATION BY ROAD

Acid filled batteries are subjected to the Road Traffic Regulations under 'Carriage of Dangerous Substances and Packages'.

9) GENERAL

Familiarise yourself with the location of your health centre and how to contact your work's nurse, first aider or appointed person.

Remember to report any accident, involving personal injury, in your official accident book. If any repair or other work on batteries is contemplated 'The Approved Code of Practice for the Control of Lead at Work' from the Health and Safety Commission, first printed in 1980 and revised in 1996, must be referred to. Any additional information, including battery labelling, that is provided to cover specific battery types and applications must be used in conjunction with this guide.

10) OTHER REFERENCES

BS 6604 :1985 - British Standard Code of Practice for Safe Operation of Starter Batteries. Health and Safety Executive leaflet 'Electric Storage Batteries' - available free from the HSE or from their web site www.hse.gov.uk.

Battery Waste Disposal - Scrap Battery Legislation

Automotive batteries are classed as hazardous waste and therefore must be stored, transported and disposed of in accordance with the following pieces of legislation.

1. Environmental Protection Act 1990, Part II
2. Environmental Protection (Duty of Care) Regulations 1991
3. The Waste Management Licensing Regulations 1994 –
4. The Controlled Waste (Registration of carriers and seizure of vehicles) Regulations 1991
5. Hazardous Waste Regulations 2005 and List of waste regulations 2005
6. The Carriage of Dangerous Goods by Road Regulations 2004
7. The Waste Management Licensing Regulations 1994
8. The Trans-frontier Shipment of Waste Regulations 1994

Not all the above will apply in all circumstances, for example No. 8 only applies when material is shipped overseas for disposal/recycling.

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Notes





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