

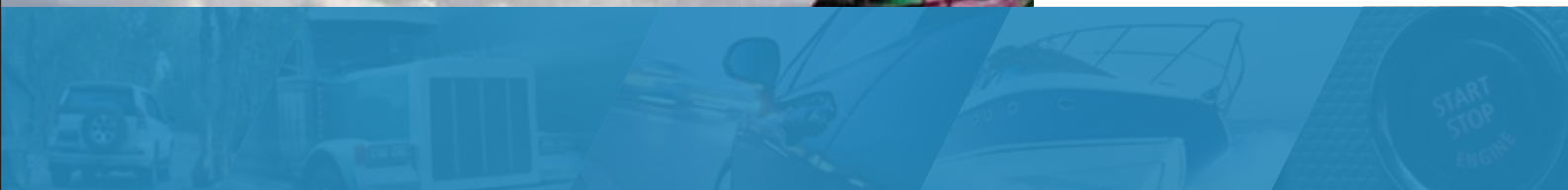


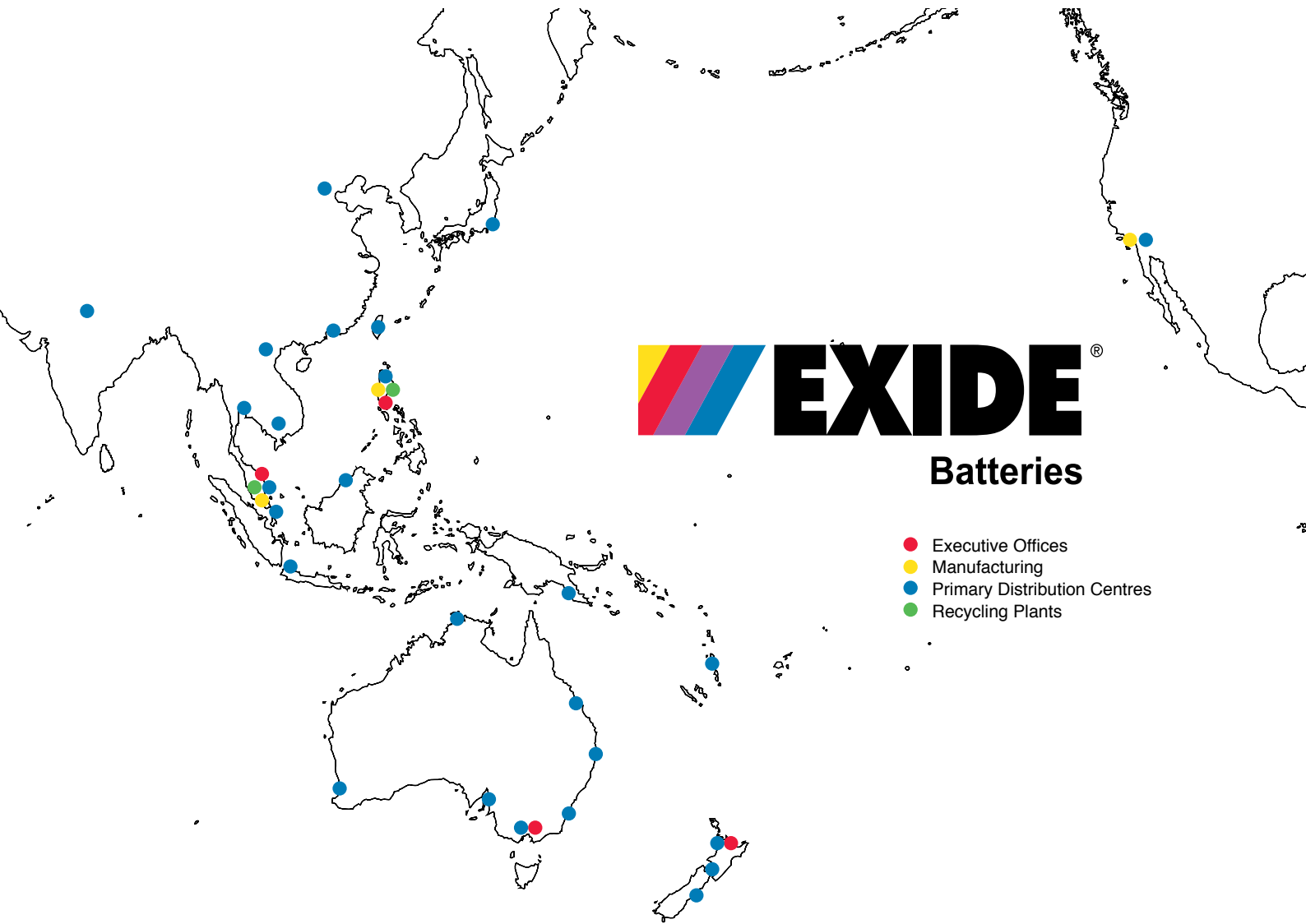
Batteries



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EXIDE® Batteries

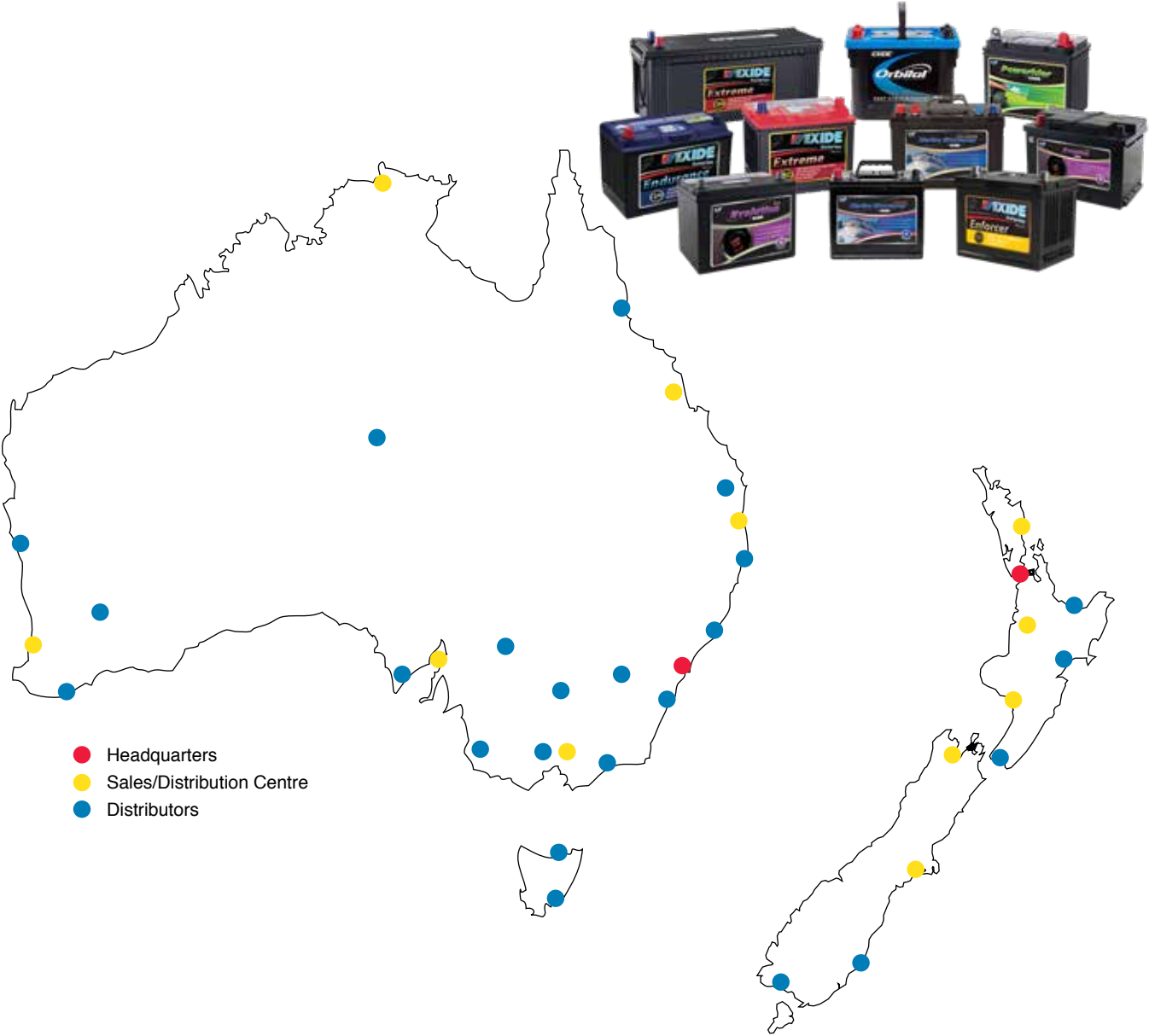
- Executive Offices
- Manufacturing
- Primary Distribution Centres
- Recycling Plants

Exide Batteries parent company, Ramcar, founded in 1919, has evolved into a world class stored electrical energy solutions provider of automotive, motorcycle, deep cycle, motive, and industrial applications and a recycler of Used Lead Acid Batteries(ULAB). It operates in 38 countries around the world and is supported by its various affiliates and exclusive suppliers:

FUNCTION	COUNTRY	CAPABILITY
Manufacturing	USA Philippines	Batteries Batteries
Recycling	Philippines Malaysia	ULAB's ULAB's
Engineering	Philippines	R&D, Tool-making, Process design
IT	Philippines	Customised solutions
Sales & Distribution	Philippines Malaysia Australia New Zealand USA	Sales, Service, Boost charging, OCM Supply.

EXIDE BATTERIES AUSTRALASIA

Exide Batteries has a proud Australasian heritage dating back to 1935 and continues to be market leaders through implementation of specifically designed products and programs for our local market. We utilise leading edge technology to provide ultimate durability delivering consistency in performance, making Exide the right choice for the Australian and New Zealand automotive industry.



POWER YOUR WORLD

Our vast distribution network of sales, distribution and ULAB collection facilities provides security to our customers in delivering superior service, supply and responsiveness.



KEY PARTNERSHIPS

Driving Quality & Technological Leadership

As a leading supplier to Original Equipment Manufacturers (OEM) we continually work with our partners to deliver design, technology & quality (DTQ) in producing the highest performing batteries for today's car parc, ahead of time for the Aftermarket.

Our long standing partnerships with both Holden & Toyota OEM and to the majority of all the other past Australian

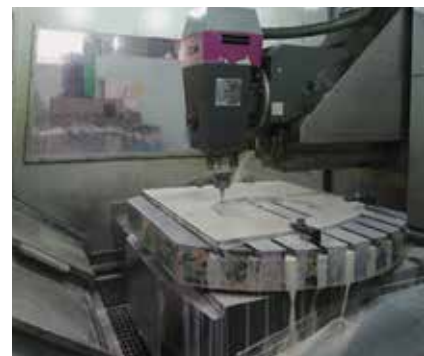
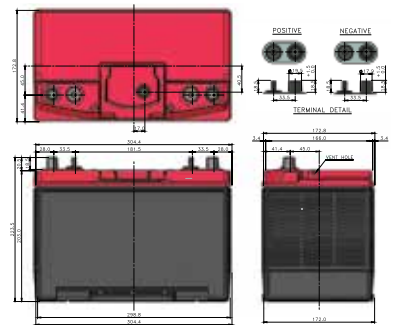
& New Zealand OEM manufacturers, Exide has been challenged with continually exceeding quality & performance demands that flow through to our broader product range.

Exide Batteries prides itself on designing and manufacturing a leading edge comprehensive range of products, built using its vast intellectual property and experience, obtained with over 60 years of

partnering with our OEM customers both locally and overseas.

The company policy of protecting our treasured environment is supported by our own Recycling Plant, which generates the necessary materials from Used Lead Acid Batteries (ULAB's). Approximately 80% of our products are manufactured using recycled materials.

Our major global OEM partners



Proven Performers



Toyota Presidents Award



Holden Best Practices Recognition



Mitsubishi Product Excellence



TUV Rheinland Philippines Ltd

- 2013 Quality ISO 9001
- 2013 Environment ISO 14001
- 2015 ISO/TS 16949 Certificate



Ford Motor Company Philippines Inc

- 2007 Q1 Certificate
- 2007 ISO/TS 16949 Recertification



Mitsubishi Motors Philippines Corporation (MMPC)

- 2003 Certificate of Product Excellence
- 2004 Certificate of Product Excellence
- 2005 Certificate of Product Excellence
- 2008 Certificate of Product Excellence



Honda Cars Philippines Incorporated (HCPI)

- 2003 First Place – Quality Award
- 2005 Best in Quality
- 2006 Best in Quality & Delivery Award
- 2008 Best in Quality & Delivery Award



Isuzu Philippines Corporation

- 2002 7th place in the Field of Quality
- 2004 3rd place in the Field of Quality
- 2007 Best in Quality, Best in Delivery
- 2010 Supplier of Year (Quality, Cost & Delivery)



Universal Motors Corporation (UMC)

- 2005 Top 3 Supplier – 2005 Vendor Award
- 2007 2007 Vendor Award



Toyota Motors Philippines (TMP)

- 2005 Target Value System – Quality
- 2008 Certificate of Achievement
- 2009 Certificate of Recognition – Delivery
- 2010 Certificate of Recognition – Delivery
- 2010 Certificate of Recognition – Cost

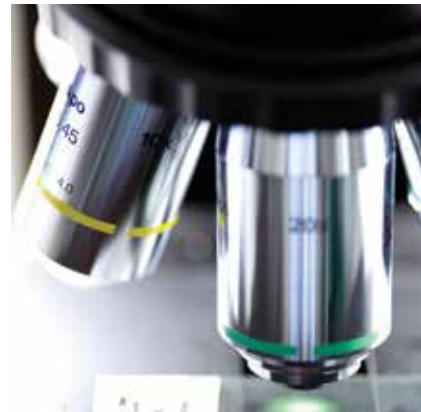
We Are All Over It!

Exide has developed new and technologically advanced products, innovative services and systems that will provide superior performance and life to our customers and Australian & New Zealand motorists.

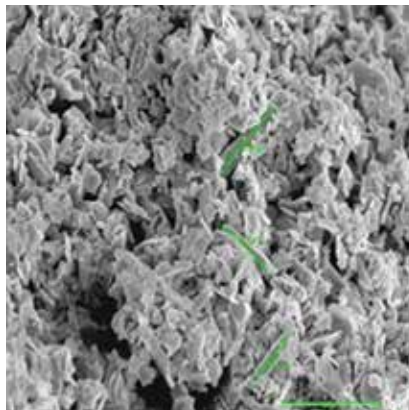
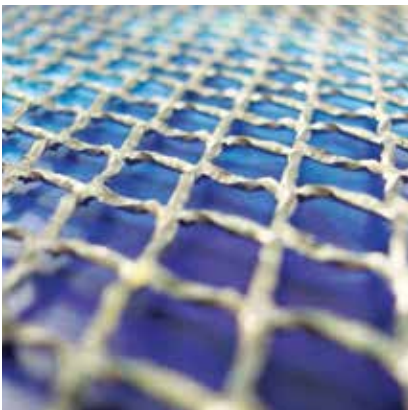
Our company engineers and research centre is at the forefront of new technology and they dynamically consider, test and verify the vast range of opportunities in new product design. The traditional lead acid battery technology remains the foundation of most batteries, and "pound for pound" is the most proven reliable and cost effective power source. Battery innovation is fundamentally based on enhancements which are the main focus of our R&D departments around the world. Use of increased tin, carbon and other paste additives and use of

Absorbed Glass Mat (AGM) that Exide have considered and incorporated where there are proven benefits.

Exide have recently introduced two of these latest technologies into its range. Ap9 is a Tin alloy additive to the battery grids which delivers improved mechanical properties, lowers resistance to charge acceptance and reduces grid corrosion rates. Additionally, we have enhanced our plate active material formulation, by including seed crystals to dramatically improve plate adhesion & corrosion resistance – we call this 2xT and use it in our Extreme range of products. Both of these powerful innovations deliver greater performance and longer application life.



New and technologically advanced products, innovative services and systems that will provide superior performance and life.



Did You Know That Old Batteries Could Make You Money?

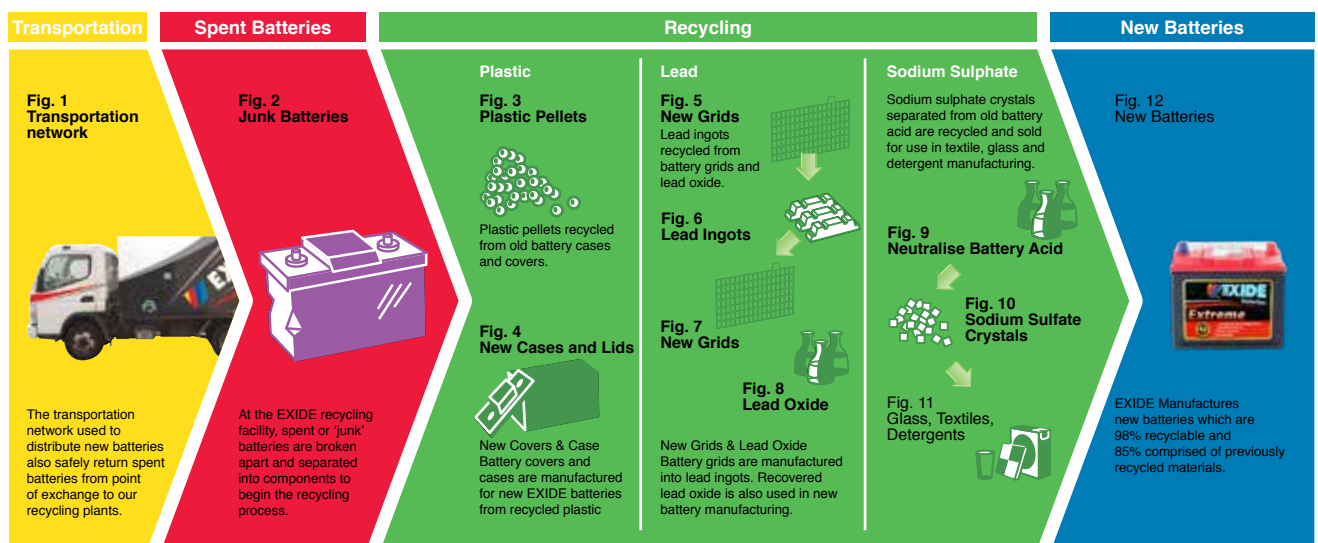
Through our TOTAL BATTERY MANAGEMENT program Exide will supply your new batteries and collect the old ones for recycling and pay you for it!* (*Conditions apply and dependent on quantities).

Recycling lead acid batteries has been an important factor in Exide's business model for many years. Each year, our Recycling Plant known as "Evergreen" produces approximately 96,000 metric tons of refined lead and lead alloys per

annum. Exide also is a significant recycler of plastic, capturing plastic from spent batteries and using it in the production of cases and covers for new batteries. Environmental stewardship and recycling is a major focus in all Exide operations. The recycling of lead acid batteries is one of the most significant and enduring environmental success stories of our time with over 98% of lead acid batteries being able to be recycled.



RECYCLING FOR A BETTER ENVIRONMENT



Complete Range, Technology

Exide offers a comprehensive range of starting, dual purpose and cycling products for the following applications:

- Passenger vehicles
- Stop/Start
- SUV/4WD and Light Commercial vehicles
- Heavy Commercial vehicles and Plant Equipment
- Leisure (Caravanning & Camping)
- Marine & Watercraft
- Mobility Scooters, Golf Carts & Ride on lawn mowers
- Industrial applications (Sweepers, Scissor lifts, Fork lifts)
- UPS, Solar & Communications

Each application deserves the correct technology, and Exide have designed its range to provide flexibility in choice and correct specification.

Our range includes:

- Hybrid (Antimony/ Calcium) Maintainable
- Calcium/ Ap9 Maintainable
- Absorbed Glass Matt (AGM) starting & cycling
- Enhanced Flooded
- Sealed Maintenance Free with Ap9 & 2xT
- Gel Cycling
- Valve Regulated Lead Acid (VRLA)
- Cylindrical Cell AGM



Whatever your need, whatever your technology, Exide has the battery to suit.

PRODUCT POSITIONING

Leading The Battery Industry

All modern applications place heavier demand on the battery's performance than ever before. Exide understands these changes and have recently commissioned comprehensive car-parc research into genuine OEM specification requirements which has resulted in the design of Exide's leading range, designed specifically for the Australian & New Zealand market.

For years now, the battery market has pointed to Cold Cranking Amps (CCA) as the determinant for assessing the quality of the battery. Whilst CCA is important, all key product specifications pertaining to battery performance are equally important. That is, Cold Cranking Amps (CCA), Reserve Capacity (RC) and Amp Hours (AH). Exide has recently designed its specifications on a balanced approach respecting all of these battery characteristics.

Our Balanced Power approach is to achieve "Longer Life" which is the number one requirement of the purchaser. This has been backed by Exide's innovative "Extended Warranty system".

Passenger Vehicle



Standard Range

Genuine OEM Spec

Best Performance & Value

24 month warranty

30 month warranty

42 month warranty

Exide's passenger range is designed to suit every vehicle application for any budget. Exide's product has been developed with different vehicle and consumer needs in mind including electrical load complexity of demand, warranty requirements and maintenance preferences.

SUV / 4WD / Light Commercial



Standard Range

Genuine OEM Spec

Best Performance & Value

24 month warranty

24 month warranty

30 month warranty

Exide's SUV / 4WD / Light Commercial range is designed to suit the specific and additional demands of this category. Whether you require a basic starting battery for your everyday vehicle or a specialist application battery for your light truck, 4x4 or SUV, we have the technology to suit including Calcium/Calcium, Hybrid and AGM to meet these demands.

Heavy Commercial



Genuine OEM Spec

Best Performance & Value

12 month warranty

12 month warranty

Exide's Heavy Commercial range has been developed to provide a suitable solution for this categories heavy demands. Whether you require one or multiple batteries for your truck, agricultural, heavy industrial and earth moving equipment, we have the battery to suit. The heavy commercial range comes in multiple technologies including Calcium/Calcium, Hybrid and AGM to meet these demands.

All warranty periods are stated with maximum warranty offer

PURPOSE BUILT SPECIALTY PRODUCTS

Marine Starting



- To suit basic marine watercrafts
- Sealed maintenance free with glass mat
- 18 month Warranty*

Marine Dual Purpose



- To suit mainstream boats with standard equipment
- Sealed maintenance free with glass mat
- 24 month Warranty*

Deep Cycle



- For mobility, golf, small industrial equipment applications
- Two ranges - Maintainable flooded lead acid for light and heavy industrial cycling
- 6 – 12 month Warranty

Lawn & Garden



- Suitable for ride-on mowers and small landscaping vehicles
- Two technologies - Maintainable and sealed maintenance free
- 12 month Warranty

Orbital



- Specialist applications 4WD, hi-performance cars, emergency vehicles, heavy accessorised PMV's
- Spiral wound AGM sealed maintenance free
- 12 month Warranty

Stop/Start



- Suited for Asian & Euro stop/start vehicles
- Two Technologies - Enhance flooded for Asian design and AGM SMF for Euro design
- 24 month Warranty*

**Extreme Performance,
Extreme Reliability &
Extended Warranty options.**

CUSTOMER FOR LIFE PROGRAM

At Exide we understand that consumers have a choice when it comes to who they purchase from. We also understand that in today's competitive battery market extending the life-cycle of every hard earned customer is a key ingredient for every successful business.

That's why our products now come with a Free Extended Warranty Offer which not only rewards your customers with unprecedented peace of mind but most importantly to you, captures information of your customer purchase so that you

can continue to interact with your customer long after they have left your store. We call this our "Customer for life" partnership program.

Free Extended Warranty Registration

There are two ways you can register your

FREE EXTENDED WARRANTY

1. Look for our Quick Response Code (QR Code) on the top of the battery label. Scanning this QR Code via a compatible Smart Phone takes the Purchaser or Seller to the registration page.

2. If the consumer doesn't have a Smart Phone, they can simply remove the QR post flyer, record the critical details of the battery and their vehicle on the back section of the QR Post Flyer, then sit in front of a computer and register through the Internet. They can also call us on our freephone number and we will do it for them

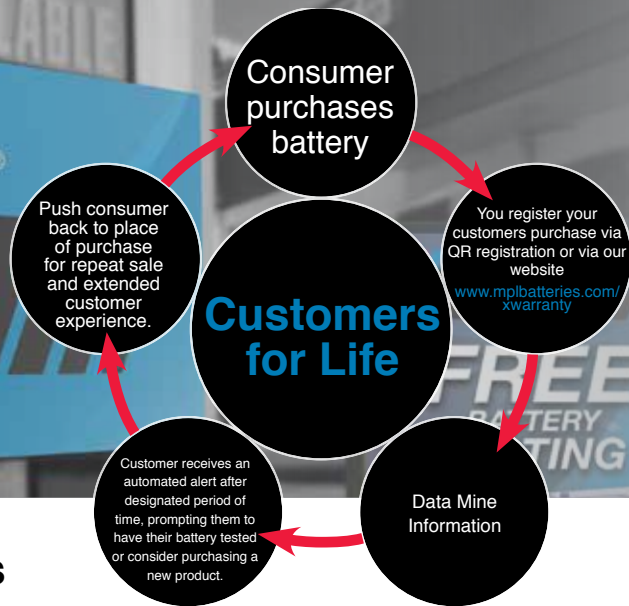


If you are a Reseller that provides a fitting service, Exide recommends that you add value to your Customer's experience by completing the registration process for them by entering their details at the point of sale; via our website.

The registration will only take a minute and once it's done, your customer has the added benefit of free extended warranty of six (6) months without the hassle of registration, and you have your "Customer for life".

1. Your Customer purchases a quality Exide battery.
2. You register the purchase details at the point of sale/or your Customer takes the product away and registers themselves.

3. The information is stored on the Exide website (and can be accessed by you the Exide Dealer).
4. An automated alert will be posted to the consumer after a period of time based on the average life of the battery (via email or text). For instance if an Endurance battery is purchased, and the average life of that battery is 38 months, the alert will be sent prior to this, advising the customer that the battery is nearing the end of its life.
5. This will provide the customer with total peace of mind & avoid being stranded unnecessarily with a failed battery.



Benefits To Our Battery Stockists

Not only does your customer benefit from this great new initiative, so will you. So how?

1. The registration will log the Reseller name
2. You will be able to access all registered warranties through our Dealernet site for ease of tracking the warranty in the unlikely event of a warranty adjudication instance
3. When we send the alert to your customer, we will alert you as well so you can make contact as well
4. You will have the opportunity to offer your customer a repeat business incentive to entice them back to your store
5. We will be able to data bank your customer details for your use provided the customer allows it

Warranty Adjudication – accessing the consumers details:

Complete the normal warranty adjudication process detailed in Exide's Fitment Guide or via our online Dealernet. Request the consumer's warranty certificate and/or purchase receipt. Test the battery as per Exide's requirements.

Genuine manufacturing defects represent less than 1% of batteries sold and the majority of batteries presented as potential warranties are suffering in-application faults with faulty charging systems, battery abuse or they are being used in incorrect applications. Be mindful too, that the older the battery, the less chance it has of being a manufacturing fault.

You will only need to access your Customer details if:

1. The customer can't provide a receipt but the original purchase has been registered
2. The term of the warranty is in question (which is highly unlikely),
3. You wish to check the odometer (very useful in checking Taxi & Commercial Fleet claims)

To search for the registered warranty:

- Log into DEALERNET and enter your User Name & Password.
4. Use the search field to enter Vehicle Registration, Customer Name & post code, phone number and/or email address.
 5. Review Customer stated purchase date and vehicle odometer information to establish if details and warranty period are correct.

Register your customer purchases today at www.mplbatteries.com/xwarranty for Free Extended Warranty and a "Customer for Life"

For further information on DEALERNET or Warranty Adjudication procedures, please contact your Exide Sales Representative

It really is that simple. So now when you purchase an Exide Battery you're not just buying a marketing leading product with the best all round specifications in today's market – you are purchasing a 'customer for life' with our unique Extended Warranty Offer and QR code registration software. Ultimate value!

Next time you're considering which brand of battery to recommend to your customers, recommend Exide to Power your World!

Nationwide Warranty

At Exide Batteries we are committed to total customer satisfaction by providing quality products and quality service at all times.

All Exide Batteries are covered by a free of charge replacement warranty that is backed by Australasia's leading battery supplier.

Retain receipt for proof of purchase. Possible causes of battery failure that are not the result of faulty manufacture:

- Incorrect or under-specified battery type fitted to car
- Charge system problem (low or high voltage) creating an undercharge or overcharge situation. A low voltage will cause the battery to sulphate whilst a high voltage will literally cook the internal components of the battery.
- Repeated deep discharge (heavy accessory loads, car phones, lighting, boat accessories, etc)
- Prolonged storage of the car or very minimal use. A battery will generally sulphate and will never recover its full state of charge
- Electrical faults (short and excessive loads)
- Any battery modifications such as acid additives, lead terminal changes, or any other contaminates
- Damaged battery caused by consumer or other in-car fault.

Nationwide Coverage

Australia is a large and unforgiving land, and Exide Batteries recognises the need to have a people on the ground ready to assist where and when we can. Our comprehensive nationwide network consists of over 30 warehousing locations, while a team of dedicated sales and service experts ensure we are well equipped to meet your needs and to exceed today's demands.

One of the Longest Industry warranties

When you have a product that you fully believe in, it makes sense to back it up. Exide Batteries were the first to introduce the industry leading 36 month warranty. And once again will offer up to 42 month warranty again setting a new benchmark for the industry. Even on our other battery ranges, the quality and care that has gone into producing them means that you have peace of mind.

Exide Warranty

The benefits under this warranty are in addition to other legal rights and remedies you may have in relation to Exide Batteries.

Warranty Claim Procedure

Proof of purchase is needed to claim under this warranty. You must return the battery, with proof of purchase, to any Exide reseller in person or freight pre-paid by you.

You can find the contact details for your nearest reseller by calling (AU) 1800 800 811 or (NZ) 0800 651 611. Alternatively, you may, in person or freight pre-paid by you, return your battery to your nearest Exide State or Territory office (for contact details please see the back).

If Exide (itself or through a reseller) finds on examination that the battery is defective due to faulty manufacturing and is within the specified warranty period, then the battery will be replaced with an equivalent battery free of charge. The warranty period is not renewed or extended as a result of this replacement subject to your rights under the Australian Consumer Law.

Warranty Periods

Exide warrants its batteries against defects due to faulty manufacturing and materials for the following periods commencing from the date of purchase.



WARRANTY STATEMENT

AUTOMOTIVE & MARINE STARTING BATTERIES

Exide Batteries warrants its automotive and marine starting batteries against defects due to faulty manufacturing during the specified warranty periods. The benefits under this warranty are in addition to other legal rights and remedies you may have in relation to Exide Batteries in Australia and New Zealand. In Australia, our goods come with guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

WARRANTY COVERAGE

This warranty covers:

- and is limited to the repair or replacement of the battery only, and does not cover the cost of transport of battery, labour for removal and replacement of the battery from and into the vehicle, or any other consequential damages and costs incurred;
- batteries that become unusable or unserviceable due to manufacturing defects during the warranty period stated on the battery top label commencing from the date of purchase. Note that warranty period is 12 months for Commercial, Truck, or Industrial use, and 6 months for Taxi or any Passenger Transport Service use;
- batteries that are sized correctly, used in the application for which it was intended, and properly charged with an approved charging profile.

Note: Extended warranty covers only those batteries registered under this offer.

WARRANTY CONDITIONS

- Without exemptions, proof of purchase is required to claim under this warranty.
- This warranty is not transferable and is only offered to the original end-user of the Exide battery.
- The warranty period is not renewed or extended as a result of a warranty repair or replacement subject to your rights under the Australia and New Zealand consumer laws.

WARRANTY EXCLUSIONS

The warranty will be voided and not be honoured if the battery:

- defects are as a result of normal wear and tear;
- as been subjected to overcharging, undercharging, freezing, fire, and explosion;
- has been discharged resulting to sulphation or due to excessive load;
- has been failed to be maintained with the right acid levels (for accessible types);
- has been topped up with any liquid or additive other than distilled water (for accessible types);
- is damaged caused by acid spillage from due to overfilling (for accessible types);
- shows evidence of after-sale physical damage, abuse, and neglect;
- has been used in the wrong application (e.g. used in vehicles with Start-Stop system or in Deep Cycle applications) or under-specified against the vehicle's requirement;
- has been used in a vehicle with a faulty charging system or faulty terminal connection (corroded, loose, flayed, or reversed);
- has been stored or installed for a long period without reconditioning;
- has tampered markings or broken or removed vent plugs;
- is damaged due to improper mounting or installation;
- has been repaired or modified by a third party, without Exide's consent.

WARRANTY CLAIM PROCEDURE

- The battery, together with the sales invoice or receipt as proof of purchase, must be endorsed, for warranty evaluation and validation, to any nearest Exide authorised reseller, or state or territory office in person or freight pre-paid by you.
- If Exide (by itself or through an authorised reseller) finds on examination that the battery is defective due to faulty manufacturing or material and is within the specified warranty period, then the battery will be replaced with an equivalent battery free of charge.

This warranty is given by Exide Batteries located at **AU: A/1 Reconciliation Rise, Pemulwuy NSW 2145 NZ: Unit B, 72 Highbrook Drive, East Tamaki, Auckland 2113**. Exide Batteries can be contacted through email marketing@exidebatteries.com.au or phone **AU: 1800 800 811 NZ: 0800 651 611**.



START-STOP BATTERIES

Exide Batteries warrants its start-stop batteries against defects due to faulty manufacturing during the specified warranty periods. The benefits under this warranty are in addition to other legal rights and remedies you may have in relation to Exide Batteries in Australia and New Zealand. In Australia, our goods come with guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

WARRANTY COVERAGE

This warranty covers:

- and is limited to the repair or replacement of the battery only, and does not cover the cost of transport of battery, labour for removal and replacement of the battery from and into the vehicle, or any other consequential damages and costs incurred;
- batteries that become unusable or unserviceable due to manufacturing defects during the 18-month or 24-month extended warranty period commencing from the date of purchase. Note that warranty period is 12 months for Commercial use, and 6 months for Taxi or any Passenger Transport Service use;
- batteries that are sized correctly, used in the application for which it was intended, and properly charged with an approved charging profile;

Note: Extended warranty covers only those batteries registered under this offer.

WARRANTY CONDITIONS

- Without exemptions, proof of purchase is required to claim under this warranty.
- This warranty is not transferable and is only offered to the original end-user of the Exide battery.
- The warranty period is not renewed or extended as a result of a warranty repair or replacement subject to your rights under the Australia and New Zealand consumer laws.

WARRANTY EXCLUSIONS

The warranty will be voided and not be honoured if the battery:

- defects are as a result of normal wear and tear;
- has been subjected to overcharging, undercharging, freezing, fire, and explosion;
- has been discharged resulting to sulphation or due to excessive load;
- shows evidence of after-sale physical damage, abuse, and neglect;
- has been used in the wrong application (e.g. used in Deep Cycle applications) or under-specified against the vehicle's requirement;
- has been used in a vehicle with a faulty charging system or faulty terminal connection (corroded, loose, flayed, or reversed);
- has been stored or installed for a long period without reconditioning;
- has tampered markings or broken or removed vent plugs;
- is damaged due to improper mounting or installation;
- has been repaired or modified by a third party, without Exide's consent.

WARRANTY CLAIM PROCEDURE

- The battery, together with the sales invoice or receipt as proof of purchase, must be endorsed, for warranty evaluation and validation, to any nearest Exide authorised reseller, or state or territory office in person or freight pre-paid by you.
- If Exide (by itself or through an authorised reseller) finds on examination that the battery is defective due to faulty manufacturing and is within the specified warranty period, then the battery will be replaced with an equivalent battery free of charge.

This warranty is given by Exide Batteries located at **AU: A/1 Reconciliation Rise, Pemulwuy NSW 2145 NZ: Unit B, 72 Highbrook Drive, East Tamaki, Auckland 2113**. Exide Batteries can be contacted through email **marketing@exidebatteries.com.au** or phone **AU: 1800 800 811 NZ: 0800 651 611**.



WARRANTY STATEMENT

DEEP CYCLE BATTERIES

Exide Batteries warrants its deep cycle batteries against defects due to faulty manufacturing during the specified warranty period. The benefits under this warranty are in addition to other legal rights and remedies you may have in relation to Exide Batteries in Australia and New Zealand. In Australia, our goods come with guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

WARRANTY COVERAGE

This warranty covers:

- and is limited to the repair or replacement of the battery only, and does not cover the cost of transport of battery, labour for removal and replacement of the battery from and into the vehicle, or any other consequential damages and costs incurred;
- batteries that become unusable or unserviceable due to manufacturing defects during the 12-month warranty period commencing from the date of purchase;
- batteries that are sized correctly, used in the application for which it was intended, and properly charged with an approved charging profile.

Note: Extended warranty covers only those batteries registered under this offer.

WARRANTY CONDITIONS

- Without exemptions, proof of purchase is required to claim under this warranty.
- This warranty is not transferable and is only offered to the original end-user of the Exide battery.
- The warranty period is not renewed or extended as a result of a warranty repair or replacement subject to your rights under the Australia and New Zealand consumer laws.

WARRANTY EXCLUSIONS

The warranty will be voided and not be honoured if the battery:

- defects are as a result of normal wear and tear;
- has been subjected to overcharging, undercharging, freezing, fire, and explosion;
- has been discharged resulting to sulphation or due to excessive load;
- has been failed to be maintained with the right acid levels (for accessible types);
- has been topped up with any liquid or additive other than distilled water (for accessible types);
- is damaged caused by acid spillage from due to overfilling (for accessible types);
- shows evidence of after-sale physical damage, abuse, and neglect;
- has been used in the wrong application (e.g. used in starting applications) or under-specified against the vehicle's requirement;
- has been used in a vehicle with a faulty charging system or faulty terminal connection (corroded, loose, flayed, or reversed);
- has been stored or installed for a long period without reconditioning;
- has tampered markings or broken or removed vent plugs;
- is damaged due to improper mounting or installation;
- has been repaired or modified by a third party, without Exide's consent.

WARRANTY CLAIM PROCEDURE

- The battery, together with the sales invoice or receipt as proof of purchase, must be endorsed, for warranty evaluation and validation, to any nearest Exide authorised reseller, or state or territory office in person or freight pre-paid by you.
- If Exide (by itself or through an authorised reseller) finds on examination that the battery is defective due to faulty manufacturing and is within the specified warranty period, then the battery will be replaced with an equivalent battery free of charge.

This warranty is given by Exide Batteries located at **AU: A/1 Reconciliation Rise, Pemulwuy NSW 2145 NZ: Unit B, 72 Highbrook Drive, East Tamaki, Auckland 2113**. Exide Batteries can be contacted through email marketing@exidebatteries.com.au or phone **AU: 1800 800 811 NZ: 0800 651 611**.

BATTERY WARRANTY CHECK

Step 1

Help your customer to a total solution

Check proof of purchase

- Data Code on battery corresponds
- Check physical condition
- Correct application of battery to vehicle

Step 2

Charge or replace

- Remember flat batteries are NOT warranties
- Using a quality Exide Battery tester or similar check state of charge. If just flat RECHARGE!

Hydrometer

Check all cells ensure above 1.225 S.G. Use high rate discharge tester

Voltmeter

Ensure open circuit voltage above 12.4V. Use high rate discharge tester

Exide Digital Tester

Test according to instructions

Step 3

Replace

- If proven faulty retain battery for your Exide representative
- For further Information call Hotline on 1800 800 811 or check your Dealernet at www.exidebatteries.com.au or speak to your representative
- Exide can provide product training in a number of innovative ways

REMEMBER

Your Exide Warranty applies to the battery and the replacement battery - totally



Warranty Adjudication Guide

Time in service	Comments	Chances of being a genuine warranty (manufacturing fault)
4 Weeks or below	Chances are, the vehicle has a further problem other than the battery. An electrical systems check may not have occurred originally	5%
1 - 6 Months	See previous point - the majority of manufacturing faults will occur in this period	20%
6 - 12 Months	See previous points - the longer the battery is in service the less likely it's a manufacturing fault. Complete thorough check of battery & vehicle	10%
Over 12 months	Highly unlikely to be a manufacturing fault. Failure at this stage of the application is usually due to the vehicle/ driving characteristics. Very high or low kms, frequent start/ stopping, unusual high demand applications etc.	5%
All Batteries	Total Number of actual manufacturing defects	under 1%

BATTERY FAULT FINDING

Open Circuit Voltage Check (OCV)

- Use DC mode on multimeter 0.01 volt resolution.
- Six cells are connected in series at 2.1Volts per cell giving combined OCV of 12.6.
- Batteries cannot be checked accurately less than 12 hours after charge.
- Charged batteries should be 12.60 to 12.90 OCV.
- OCV of less than 12.20 indicates low state of charge < 50%.
- OCV is linked to specific gravity e.g. 12.60 OCV = 1.260S.G.

Specific Gravity Check (S.G.)

- S.G indicates individual cell state of charge.
- Large variations in S.G can indicate faulty a cell.
- S.G can be misleading when recharged at low voltage.
- Stratification can occur giving a lower S.G.
- To overcome this charge at higher current (3 to 5 amps up to four hours)

Fault Examples

1. Unable To Start Vehicle

- CV 10.51
- Checked S.G on all six cells
- Cell #1 1.265
- Cell #2 1.260
- **Cell #3 1.105**
- Cell #4 1.265
- Cell #5 1.265
- Cell #6 1.260

Observation

Low OCV & Low S.G on Cell #3

Explanation

- Intern This battery has a dead cell #3
- Likely cause would be a manufacture fault, short between positive & negative plates all break resulting in open circuit under load

2. Unable To Start Vehicle

- OCV 12.15
- Checked S.G on all six cells
- Cell #1 1.120
- Cell #2 1.120
- Cell #3 1.125
- Cell #4 1.120
- Cell #5 1.120
- Cell #6 1.125

Observation

Low S.G & Low OCV is a good indication of low state of charge. The battery should recover with a full recharge.

Explanation

- Sulphated batteries give similar readings to example #2 but have heavy sulphation.
- This is due to dense leadsulphate which may not be reversible with recharge.
- Batteries which have stood discharged for a few days will start to suffer from sulphation.
- After weeks of being discharged they may not recover to serviceable condition.
- Bulging end walls are an indication of severe sulphation developed over months causing irreversible plate damage.

3. Poor Cranking Performance

- OCV 12.65
- Checked S.G on all six cells
- Cell #1 1.250
- Cell #2 1.270
- Cell #3 1.240
- Cell #4 1.275
- Cell #5 1.265
- Cell #6 1.265

Observation

A good OCV & and reasonable S.G but with larger variations & brown sediment visible in the hydrometer is an indication of active material loss.

Explanation

- An indication the battery has been over worked or is worn out. A high rate discharge test will confirm.
- Check if it is from a high mileage application or heavy cycle use. (taxi or heavy commercial use)

4. No Cranking Performance Low OCV

- OCV 10.65
- Checked S.G on all six cells
- Cell #1 1.270
- Cell #2 1.270
- Cell #3 1.270
- Cell #4 1.270
- Cell #5 1.270
- Cell #6 1.270

Observation

Very low OCV but S.G good but unable to hold current load

Explanation

- Internal break resulting in open circuit under load

Frequently Asked Questions

How long will my battery last?

This will depend on usage and climate. On average it will generally last approximately three to four years or 100,000 km.

When should batteries be replaced?

As soon as it shows any signs of reduced cranking performance. For reliable starting a guide is four years or 100,000 km.

What happens as batteries wear out?

Service wear causes mechanical breakdown of all internal components.

Positive grids corrode and active material sheds from grid reducing capacity.

Negative active material shrinks and sheds from grid reducing cranking performance.

Separators oxidise and develop cracks and holes which can result in plate shorts.

Can battery additives be used to extend battery life?

Additives cannot restore battery performance or extend service life.

Additives can actually introduce impurities which can cause damage.

Should extra acid be added to old batteries to improve performance?

No, there will only be a short term gain, the extra acid will actually shorten plate life.

How long should batteries be stored unused?

Batteries start service life when acid is added in manufacturing process even with regular boost charging batteries will age and internals will be affected by sulphuric acid and cell reactions, effectively reducing service life.

Batteries are best put into service before three months from the manufacture charge date.

Batteries can still remain serviceable if stored up to 12 months with boosting charging but service life will be impacted.

How long can dry charged batteries be stored before activating?

Ideally one year but they will last longer if stored in a cool dry environment and the temporary seal is not broken.

How long can I leave my battery discharged?

Best to recharge immediately after discharge use but within 24 hours is acceptable.

Deep cycle batteries should not be discharged more than 50% of the 20 hour capacity.

What is Overcharging?

Overcharging causes high internal heat in the battery, leading to severe corrosion of the plates.



What is Undercharging?

Battery plates can become heavily sulfated if left undercharged for a long period of time. Undercharging also results to the build-up of lead deposits in the separators, causing shorts between the positive and negative plates.

The charging system is usually responsible for an improper charge condition. Sometimes, it can be something as simple as a slipping alternator belt, or possibly a defective alternator not delivering full output. Another likely cause is a defective voltage regulator. Improper charging can also be the result of high resistance in the charging system due to corrosion of faulty conductors.



INSTALLATION & CHARGING

A replacement battery may vary from the original factory fitted battery. In most cases the replacement battery can be installed without any modification or adjustment.

However, it is advisable to always check the replacement battery against the existing one to ensure that size, hold down, terminal configuration, cranking capacity and bonnet clearance are suitable for the application.

- Check bonnet clearance before installing battery.
- Locate positive terminal and mark plus (+) on the cable. Remove the negative cable first.
- Remove the positive terminal and battery hold down.
- Inspect the tray for corrosion. If necessary, clean using baking soda and water. Rinse with clean water.
- Place the new battery in the tray and ensure the battery is level and the terminal posts are in the same position as the old battery.
- Replace the hold down and ensure battery is secure.
- Replace the positive terminal and tighten.
- Replace the negative terminal and tighten. The negative terminal should always be replaced last.
- Never over tighten or hammer terminal onto the battery as this can damage the posts.

Safety

Always use care when transporting or installing batteries.

- Batteries are heavy. Lift carefully and do not place on unstable surface.
- Batteries contain acid. Lift carefully

and do not tilt. Keep battery upright at all times. Keep acid away from clothing and skin. If contact occurs, flush with large amounts of water. If acid contacts eyes - seek medical attention immediately.

- Batteries generate explosive gases.
- Keep naked flames and cigarettes away and ensure adequate ventilation is available when charging a battery.
- Keep metal objects away from terminals.



Charging

Before charging begins, provide plenty of ventilation and ensure safety goggles and a face shield are worn. Sparks from loose connections or metal tools making contact between the terminals or the ungrounded terminal and nearby grounded metal parts can also be hazardous. Do not remove the vent caps and do not charge the battery unless you are thoroughly familiar with the step-by-step procedure of recharging a battery. Check the electrolyte levels, then place a wet cloth over the battery top and vent caps. Turn the charge rate switch and timer to the OFF position before connecting the leads to the battery.

Connect the charger leads to the battery terminals, red positive (+) lead to positive terminal and black negative (-) lead to the negative terminal. Rock the charger lead clamps to

make certain a good connection has been made. Set the electric timer to the desired charging time.

Turn on the charger and slowly increase the charging rate until the desired ampere value is reached. Do not charge in the red zone. If the battery starts to emit smoke or dense vapour, shut off the charger and reject the battery. If violent gassing or spewing of electrolyte occurs, reduce or temporarily halt the charging.

Never touch the charger leads when the charger is ON. This could break a connection at the battery terminal and create a spark which could ignite the explosive gases in the battery. Never break a "live" circuit at the battery terminals for the same reason. Always turn the charger OFF before removing a charger lead from the battery.

Your guide to battery recharging

The following charging rates and times assume a fully discharged condition.

RESERVE CAPACITY (RC) Expressed in minutes and found on battery type label.	SLOW CHARGE
Up to 75 mins	15 hrs @ 3 amps
75 mins-130 mins	21 hrs @ 4 amps
130 mins-180 mins	22 hrs @ 5 amps
180 mins-250 mins	23 hrs @ 6 amps
Above 250 mins	24 hrs @ 10 amps

Many chargers available will automatically adjust to discharged condition and commence with a boost charge gradually changing to suit the battery condition and then switching off at the fully charged rate. If not an automatic switch mode charger use the above as a guide.

Regular as clockwork!

With a distribution centre in every state, and a fleet of vans to service you, an Exide battery is never far away.

Every time one of our experienced team members visit you as part of our regular call cycle we will:

- Manage the replenishment of stock items that have been sold
- Conduct stock rotation of idle/discharged stock
- Test and adjudicate presented warranty claims
- Complete cleanse of battery stock and stand

- Merchandise point of sale area
- Communicate the latest product and promotional news
- Collect your spent batteries for safe and responsible disposal
- Monitor sales trends and stock mix

Exide understand how important the smooth running of your business is, and as your battery supplier, we aim to provide you with the service that you deserve to grow your battery sales and profit.



Exide POS Material Program

At Exide Batteries, POS materials program supports our partners with marketing leading tools. We support our partners through:

- Industry best fitment guide and product manuals in hard copy or electronic form
- Visually striking point of sale materials to show your market that you are genuine destination for Exide batteries



Information & Communication materials Brochure



POS materials T-frame | Header Cards | Flag | Battery Stand



Order online through our dealernet program



Talk to your sales representative or call

1800 800 811 **Australia**
0800 651 611 **New Zealand**

Exide Learning Management System (LMS) Program

As an Exclusive Exide member, you gain free access to our market leading on-line training platform.

- Providing you a training tool that can complete in the comfort of your own office or home
- An easy way to get your staff inducted on batteries with product advice, key selling points and customer service tips
- Staff certification process & registry of completion
- Supported by onsite training and live demonstrations



Product Training

Module A – Occupational Health & Safety

Module B – What is a battery

Module C – How to test a Battery

Module D - Testing using a Hydrometer

Module E – How to charge a battery

Module F - How to Install a Battery

Module G – Managing Warranty

Module H1 - An Introduction to Telephone Etiquette

Module H2 - Telephone Sales Techniques to Improve Conversion



Specialty Range Product Training

Module I - Battery Technology

Module J - Passenger/AWD/SUV/4WD/Light Commercial Range

Module K - 4WD Off-Road/Camping/Caravan/Solar Range

Module L - Heavy Commercial/Light Industrial Applications/UPS/Mobility/Golf Cart Range

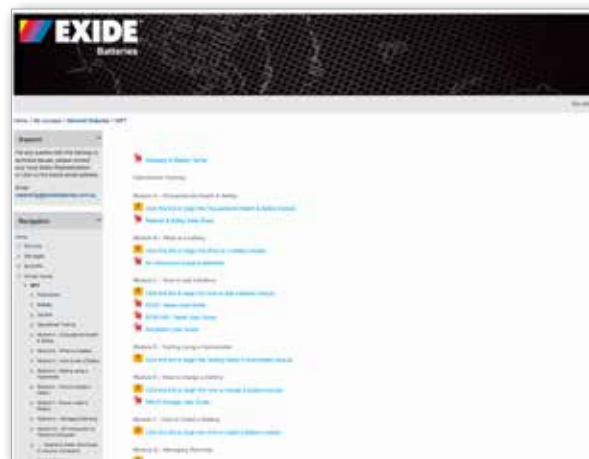
Module M - Motorcycle/Sports Bike Range

Module M1 – Marine Product Range

Module M2 – How to select the right Marine battery



Awarded Certificate



Exide Training Certificate

<http://lms.exide.com.au>

5 TOP REASONS

Exide – A smart reason to change

1. Our Credentials

- Since 1935, we have led the battery industry with products, programs, knowledge & knowhow
- We are ISO9001 Quality & ISO14001 Environmental accredited > can your current supplier boast this?
- Essential foundation of OEM design, backed by R&D forming a formidable product format
- Overseas and local Research & Development facilities with Customer assist diagnostics available for use

2. Our Brand, Our Products

- A spine of genuine specification products to suit 80% of the market > Endurance brand
- A three tier product range that provides entry level selling or sell-up marketing
- Best in class specifications outperforming our competitors in most instances
- A comprehensive product port-folio that is designed & built for balanced performance & long life
- A brand that is rich in history and ranked in the top 3 battery brands in Australasia

3. Customer Assist

- Striking merchandise to attract consumers to your door
- Multiple quality levels for ranging backed by our innovative warranty offer
- Free bonus warranty that alerts the customer for replacement and drives repeat business
- Retail brand promotions that deliver customers to your door
- Competitive pricing with ultimate value

4. Support that surpasses

- Industry leading online training system for you and your staff with certification
- Industry best Fitment Guide online, hard copy or mobi-app
- Access to local laboratory, overseas manufacturing & recycling facilities
- Regular & comprehensive call cycle quality calls Specialist channel programs that customise battery programs explicitly for your world

5. Sales systems

- Sales growth system
- Dedicated trade retail promotions
- National brand advertising
- Club rewards program rewarding you and your staff
- DealerNet referral system
- Signage and merchandising packages
- Channel specific growth programs

EXIDE...YOUR LOCAL PEOPLE WITH THE EXPERIENCE TO DELIVER ALL YOUR NEEDS WHEN YOU NEED THEM!



Batteries

Battery Chart Explanations

Chart Explanations

Technology

AGM SPIRAL	Absorbed Glass Mat Stop/Start Sealed maintenance Free battery
AGM SS	Absorbed Glass Mat Stop/Start Sealed maintenance Free battery
CAL MAINT	Calcium Positive with Calcium Negative expanded plates but maintainable for rehydration
EFB SS MAINT	Enhanced Flooded Battery built for Stop/Start vehicles maintainable for rehydration
HYBRID MAINT	Calcium Positive expanded plate with Antimony Negative cast grid but maintainable for rehydration
MAINT CYCLING	Maintenance Cycling
SMF CAL	Sealed Maintenance Free Calcium Positive and Calcium Negative expanded plates
VRLA AGM	Valve Regulated Lead Acid Absorbed Glass Matt battery
VRLA AGM CYCLING	Valve Regulated Lead Acid Absorbed Glass Matt Cycling Battery with ultra thick plates
VRLA GEL	Valve Regulated Gel Cycling battery with ultra thick cast grids

Vent

TS	Totally Sealed
CP	Coin Screw-in Plug
CV	Raised Screw-in plug
VRLA	Valve Regulated Sealed
Strip	Removable gang strip

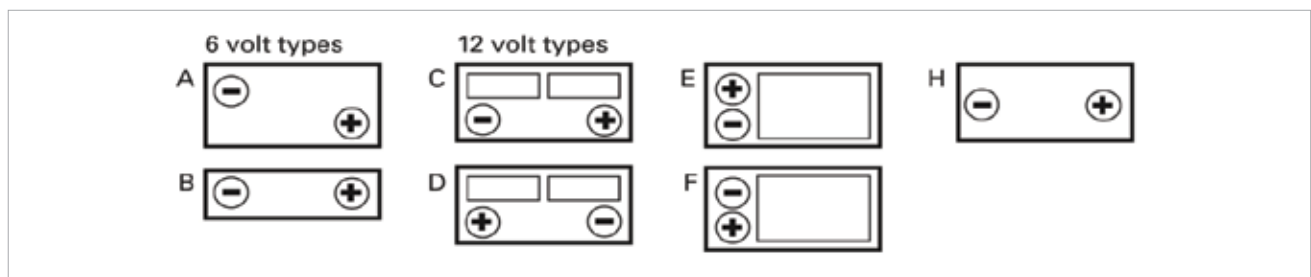
Post

STD	Standard Terminal Post
DFA	Dual Fit Aligned Terminal
DFP	Dual Fit Parallel Terminal
PT	Pencil Terminal Post
OLT	Rectangle Bolt through Lug
TS	Steel thread stud
TM	Lead SAE with steel bolt
DST	Twin SAE post & lead Lug
5m Lug	5ml hole in lug post
6m Lug	6ml hole in lug post
Spade	Electrical male spade fitting
Bolt	Steel config with hole & bolts provided

Ledge

F&EL	Front & End
NL	No ledge
FL	Front ledge (long side)
BS	Bottom Spacer included
EL	End Ledge (short side)

Battery Terminal Assembly







Batteries

Battery Range & Specification


PASSENGER VEHICLE RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 PASSENGER VEHICLE RANGE EXTREME																	
X40CMF	12	SMF CAL	400	65	44	196	128	219	9.3	C	STD	TS	NL	YES	36	42	
X40CPMF	12	SMF CAL	400	65	44	196	128	219	9.3	C	PT	TS	NL	YES	36	42	
X40DMF	12	SMF CAL	400	65	44	196	128	219	9.3	D	STD	TS	NL	YES	36	42	
X40DPMF	12	SMF CAL	400	65	44	196	128	219	9.3	D	PT	TS	NL	YES	36	42	
X43MF	12	SMF CAL	410	60	44	238	138	212	11.4	H	DFP	TS	EL	YES	36	42	
X50D20LMF	12	SMF CAL	460	80	50	200	174	221	13.1	C	SAE	TS	FL	YES	36	42	
X55D23CMF	12	SMF CAL	650	120	65	233	173	222	15.9	C	STD	TS	FL	YES	36	42	
X55D23DMF	12	SMF CAL	650	120	65	233	173	222	15.9	D	STD	TS	FL	YES	36	42	
X56CMF	12	SMF CAL	630	115	63	232	171	203	15.2	C	STD	TS	EL & FL	YES	36	42	
X56DMF	12	SMF CAL	630	115	63	228	168	203	15.2	D	STD	TS	FL	YES	36	42	
X60CMF	12	SMF CAL	480	80	50	236	128	221	12.2	C	STD	TS	NL	YES	36	42	
X60CPMF	12	SMF CAL	480	80	50	236	128	221	12.2	C	PT	TS	NL	YES	36	42	
X60DMF	12	SMF CAL	480	80	50	236	128	221	12.2	D	STD	TS	NL	YES	36	42	
X60DPMF	12	SMF CAL	480	80	50	236	128	221	12.2	D	PT	TS	NL	YES	36	42	
EUROPEAN AUTOMOTIVE																	
XDIN44MF	12	SMF CAL	510	75	50	214	175	175	11.6	C	STD	TS	EL & FL	YES	36	42	
XDIN44HMF	12	SMF CAL	420	72	45	214	175	190	12.7	C	STD	TS	EL & FL	YES	36	42	
XDIN55MF	12	SMF CAL	600	105	60	242	175	175	14.8	C	STD	TS	EL & FL	YES	36	42	
XDIN55DMF	12	SMF CAL	600	105	60	242	175	175	14.3	D	STD	TS	EL & FL	YES	36	42	
XDIN55HMF	12	SMF CAL	600	115	65	242	175	190	15.4	C	STD	TS	EL & FL	YES	36	42	
XDIN66MF	12	SMF CAL	700	130	70	277	175	175	15.8	C	STD	TS	EL & FL	YES	36	42	
XDIN66DMF	12	SMF CAL	730	130	70	277	175	175	15.8	D	STD	TS	EL & FL	YES	36	42	
XDIN66HMF	12	SMF CAL	750	155	80	277	175	190	17.9	C	STD	TS	EL & FL	YES	36	42	
XDIN66HDMF	12	SMF CAL	750	155	80	277	175	190	17.9	D	STD	TS	EL & FL	YES	36	42	
XDIN77MF	12	SMF CAL	750	140	80	315	175	175	17.8	C	STD	TS	EL & FL	YES	36	42	
XDIN77HMF	12	SMF CAL	780	145	85	315	175	190	19.1	C	STD	TS	EL & FL	YES	36	42	
XDIN77HDXMF	12	SMF CAL	915	165	95	315	175	190	20.2	D	STD	TS	EL & FL	YES	30	36	
XDIN88MF	12	SMF CAL	810	160	90	351	175	175	21.5	C	STD	TS	EL & FL	YES	36	42	
XDIN88HMF	12	SMF CAL	900	160	90	351	175	190	23.5	C	STD	TS	EL & FL	YES	30	36	
US AUTOMOTIVE																	
X58CMF	12	SMF CAL	540	90	50	254	182	178	13.0	C	STD	TS	FL	YES	36	42	
X58DMF	12	SMF CAL	540	90	50	254	182	178	13.0	D	STD	TS	FL	YES	36	42	
X78DT-60MF	12	SMF CAL	760	120	70	260	179	200	17.3	D	DT	TS	FL	YES	30	36	
X65DMF	12	SMF CAL	780	140	75	286	189	192	18.0	D	STD	TS	FL	YES	30	36	
 PASSENGER VEHICLE RANGE ENDURANCE																	
40CMF	12	SMF CAL	350	60	40	196	128	219	9.0	C	STD	TS	NL	NO	24	30	
40CPMF	12	SMF CAL	350	60	40	196	128	219	9.0	C	PT	TS	NL	NO	24	30	
52DMF	12	SMF CAL	580	100	60	233	171	203	14.7	D	STD	TS	EL & FL	NO	24	30	
53CMF	12	SMF CAL	580	100	60	233	171	208	14.7	C	DFP	TS	EL & FL	NO	24	30	
54CMF	12	SMF CAL	580	100	60	233	171	203	14.7	C	STD	TS	EL & FL	NO	24	30	
55D23CMF	12	SMF CAL	600	105	60	233	173	222	15.6	C	STD	TS	FL	NO	24	30	
55D23DMF	12	SMF CAL	600	105	60	233	173	222	15.6	D	STD	TS	FL	NO	24	30	
60CMF	12	SMF CAL	370	60	40	236	128	221	10.9	C	STD	TS	NL	NO	24	30	
60CPMF*	12	SMF CAL	370	60	40	236	128	221	12.0	C	PT	TS	NL	NO	24	30	
60DMF	12	SMF CAL	370	60	40	236	128	221	10.9	D	STD	TS	NL	NO	24	30	
60DPMF*	12	SMF CAL	370	60	40	236	128	221	12.0	D	PT	TS	NL	NO	24	30	
EUROPEAN AUTOMOTIVE																	
DIN55MF	12	SMF CAL	550	100	55	242	175	175	14.8	C	STD	TS	EL & FL	NO	24	30	
DIN66MF	12	SMF CAL	650	120	66	277	175	175	14.9	C	STD	TS	EL & FL	NO	24	30	
DIN66HMF	12	SMF CAL	720	140	80	277	175	190	17.2	C	STD	TS	EL & FL	NO	24	30	
DIN88MF	12	SMF CAL	810	160	90	351	175	175	21.5	C	STD	TS	EL & FL	NO	24	30	

* Available in New Zealand only






PASSENGER VEHICLE RANGE


PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 PASSENGER VEHICLE RANGE EXIDE ENFORCER																	
	ENS40ZALMF	12	SMF CAL	300	48	30	196	128	219	8.0	C	STD	TS	NL	YES	18	24
	ENS40ZLMF	12	SMF CAL	300	48	30	196	128	219	8.0	C	PT	TS	NL	YES	18	24
	ENS40ZMF*	12	SMF CAL	300	48	30	196	128	219	8.3	D	PT	TS	NL	YES	18	24
	ENS50PLMF	12	SMF CAL	480	75	40	237	171	208	13.1	C	DFP	TS	EL & FL	YES	18	24
	ENS50PMF	12	SMF CAL	480	75	40	237	171	203	13.0	D	STD	TS	EL & FL	YES	18	24
	EN55D23LMF	12	SMF CAL	500	85	45	233	173	222	14.8	C	STD	TS	FL	YES	18	24
	EN55D23RMF	12	SMF CAL	500	85	45	233	173	222	14.8	D	STD	TS	FL	YES	18	24
	ENS60ZMF*	12	SMF CAL	340	50	30	236	128	219	10.5	D	PT	TS	NL	YES	18	24
	ENS60ZLMF*	12	SMF CAL	340	50	30	236	128	219	10.5	C	PT	TS	NL	YES	18	24
EUROPEAN AUTOMOTIVE																	
	EN55MF	12	SMF CAL	490	85	45	242	175	175	13.0	C	STD	TS	EL & FL	YES	18	24
	EN66MF	12	SMF CAL	610	105	60	277	175	175	14.4	C	STD	TS	EL & FL	YES	18	24

* Available in New Zealand only



SUV/4WD/LIGHT COMMERCIAL RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 SUV/4WD/LIGHT COMMERCIAL RANGE EXIDE EXTREME																	
	XN50ZZMF	12	SMF CAL	720	150	85	259	173	223	17.9	D	STD	TS	FL	YES	30	36
	XN50ZZLMF	12	SMF CAL	720	150	85	259	173	223	17.9	C	STD	TS	FL	YES	30	36
	XN70EX	12	HYBRID MAINT	720	180	95	305	173	224	22.8	D	STD	ACC	FL	YES	30	36
	XN70EXL	12	HYBRID MAINT	720	180	95	305	173	224	22.8	C	STD	ACC	FL	YES	30	36
	XN70ZZMF	12	SMF CAL	810	185	95	305	173	224	23.8	D	STD	TS	FL	YES	30	36
	XN70ZZLMF	12	SMF CAL	810	185	95	305	173	224	23.8	C	STD	TS	FL	YES	30	36
 SUV/4WD/LIGHT COMMERCIAL RANGE EXIDE ENDURANCE																	
	N50ZZ	12	CAL MAINT	620	140	70	259	173	223	16.8	D	STD	ACC	FL	NO	24	30
	N50ZZL	12	CAL MAINT	620	140	70	259	173	223	16.8	C	STD	ACC	FL	NO	24	30
	N50ZZMF	12	SMF CAL	620	140	70	259	173	223	16.3	D	STD	TS	FL	NO	24	30
	N50ZZLMF	12	SMF CAL	620	140	70	259	173	223	16.3	C	STD	TS	FL	NO	24	30
	N70ZZ	12	CAL MAINT	680	160	75	305	173	224	21.4	D	STD	ACC	FL	NO	24	30
	N70ZZL	12	CAL MAINT	680	160	75	305	173	224	21.4	C	STD	ACC	FL	NO	24	30
	N70ZZMF	12	SMF CAL	750	170	90	305	173	224	22.0	D	STD	TS	FL	NO	24	30
	N70ZZLMF	12	SMF CAL	750	170	90	305	173	224	22.0	C	STD	TS	FL	NO	24	30
 SUV/4WD/LIGHT COMMERCIAL RANGE EXIDE ENFORCER																	
	ENS70MF	12	SMF CAL	535	100	50	259	173	223	15.5	D	STD	TS	FL	YES	18	24
	ENS70LMF	12	SMF CAL	535	100	50	259	173	223	15.5	C	STD	TS	FL	YES	18	24
	EN70ZZMF	12	SMF CAL	600	130	60	304	173	224	18.7	D	STD	TS	FL	YES	18	24
	EN70ZZLMF	12	SMF CAL	600	130	60	304	173	224	18.7	C	STD	TS	FL	YES	18	24

HEAVY COMMERCIAL RANGE



PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 HEAVY COMMERCIAL RANGE EXIDE EXTREME																	
	31-1100MF	12	SMF CAL	1000	220	110	327	172	237	25.0	H	STD	TS	NL	YES	12	N/A
	31-1100CMF	12	SMF CAL	1000	220	110	327	172	237	25.0	H	TS	TS	NL	YES	12	N/A
	N94MF	12	SMF CAL	900	275	145	508	208	204	34.6	D	STD	TS	NL	YES	12	N/A
	N100CMF	12	SMF CAL	740	182	100	408	175	233	28.0	C	STD	TS	NL	NO	12	N/A
	N100DMF	12	SMF CAL	740	182	100	408	175	233	28.0	D	STD	TS	NL	NO	12	N/A



PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 HEAVY COMMERCIAL RANGE EXIDE EXTREME																	
EUROPEAN TRUCK																	
	XDIN100L	12	SMF CAL	950	-	110	394	174	190	28.3	C	STD	TS	EL & FL	NO	12	N/A
	N120MFE	12	SMF CAL	900	200	120	511	188	217	33.7	E	STD	TS	NL	YES	12	N/A
	N120MFF	12	SMF CAL	900	200	120	511	188	217	33.7	F	STD	TS	NL	YES	12	N/A
	N150MFE	12	SMF CAL	1050	300	150	511	222	217	39.4	E	STD	TS	NL	YES	12	N/A
	N150MFF	12	SMF CAL	1050	300	150	511	222	217	39.4	F	STD	TS	NL	YES	12	N/A
	N200MFE	12	SMF CAL	1200	400	200	516	274	238	53.2	E	STD	TS	NL	YES	12	N/A
	N200MFF	12	SMF CAL	1200	400	200	516	274	238	53.2	F	STD	TS	NL	YES	12	N/A
 HEAVY COMMERCIAL RANGE EXIDE ENDURANCE																	
	26B	6	HYBRID MAINT	915	300	145	304	172	224	21.6	A	STD	ACC	NL	NO	12	N/A
	94B	12	HYBRID MAINT	870	230	130	508	208	204	32.8	E	STD	ACC	NL	NO	12	N/A
	31-950	12	SMF CAL	950	190	100	330	172	237	24.6	H	STD	TS	NL	YES	12	N/A
	31-950C	12	SMF CAL	950	190	100	330	172	237	24.6	H	TS	TS	NL	YES	12	N/A
	N120	12	CAL MAINT	820	225	120	505	180	232	32.0	F	STD	ACC	NL	NO	12	N/A
	N150	12	CAL MAINT	950	300	150	508	220	234	45.0	F	STD	ACC	NL	NO	12	N/A
	N200	12	CAL MAINT	1050	440	200	525	278	249	57.0	F	STD	ACC	NL	NO	12	N/A


SPECIALTY RANGE

EVOLUTION START STOP RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 VALVE REGULATED BATTERIES (AGM)																	
	SSAGM-44EU	12	AGM SS	540	-	50	208	175	190	15.4	C	STD	TS	EL & FL	NO	18	24
	SSAGM-55EU	12	AGM SS	680	100	60	242	175	190	18.8	C	STD	TS	EL & FL	NO	18	24
	SSAGM-66EU	12	AGM SS	760	120	70	278	175	190	21.3	C	STD	TS	EL & FL	NO	18	24
	SSAGM-77EU	12	AGM SS	800	140	80	315	175	190	24.0	C	STD	TS	EL & FL	NO	18	24
	SSAGM-88EU	12	AGM SS	850	160	92	353	175	190	26.5	C	STD	TS	EL & FL	NO	18	24
	SSAGM-95EU	12	AGM SS	950	205	105	393	174	190	28.5	C	STD	TS	EL & FL	NO	18	24
 ENHANCED FLOODED BATTERIES (EFB)																	
	SSEFB-B24*	12	EFB SS	460	90	55	238	129	225	13.0	C	STD	TS	NL	YES	18	24
	SSEFB-D23	12	EFB SS	650	110	65	232	173	225	18.0	C	STD	TS	NL	YES	18	24
	SSEFB-D23R	12	EFB SS	650	110	65	232	173	225	18.0	D	STD	TS	NL	YES	18	24
	SSEFB-D26	12	EFB SS	680	130	70	260	173	225	20.0	C	STD	TS	NL	YES	18	24
	SSEFB-D31	12	EFB SS	760	150	95	304	173	225	23.0	C	STD	TS	NL	YES	18	24
	SSEFB-66	12	EFB SS	650	105	65	277	174	175	16.8	C	STD	TS	EL & FL	YES	18	24
	SSEFB-77	12	EFB SS	730	125	75	315	174	175	19.5	C	STD	TS	EL & FL	YES	18	24
	SSEFB-55EU	12	EFB SS	610	100	60	245	175	190	11.9	C	STD	TS	EL & FL	YES	18	24
	SSEFB-66EU	12	EFB SS	720	120	70	278	175	190	13.7	C	STD	TS	EL & FL	YES	18	24



* Available in New Zealand only

ORBITAL RANGE




PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 ORBITAL																	
	ORB34DC-48	12	AGM SPIRAL	750	100	50	258	170	203	18.5	D	STD	TS	FL	NO	12	N/A





POWERIDER LAWN & GARDEN RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 LOW MAINTENANCE SILVER																	
	N05	12	CAL MAINT	280	40	30	186	126	181	7.4	C	OLT	ACC	NL	NO	12	N/A
	N06	12	CAL MAINT	280	40	30	186	126	181	7.4	D	OLT	ACC	NL	NO	12	N/A
 MAINTENANCE FREE GOLD																	
	U1LMF	12	SMF CAL	340	45	35	196	128	184	8.5	C	OLT	TS	NL	YES	12	N/A
	U1RMF	12	SMF CAL	340	45	35	196	128	184	8.5	D	OLT	TS	NL	YES	12	N/A

STOWAWAY MARINE RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 STOWAWAY MARINE STARTING																	
	MSST22	12	SMF CAL	575	105	60	237	171	208	15.3	D	DFA	TS	EL & FL	YES	18	24
	MSST24	12	SMF CAL	640	140	70	259	173	205	18.3	D	DST	TS	FL	YES	18	24
	MSST27	12	SMF CAL	730	160	90	305	174	205	20.1	D	DST	TS	FL	YES	18	24
	MSST31	12	SMF CAL	830	180	100	330	173	240	29.0	D	DST	TS	FL	YES	12	18
 STOWAWAY MARINE DUAL PURPOSE																	
	MSDP22	12	SMF CAL	525	100	60	237	171	208	16.1	D	DFA	TS	EL & FL	YES	18	24
	MSDP24	12	SMF CAL	600	137	82	259	173	222	19.1	D	DST	TS	FL	YES	18	24
	MSDP27D	12	SMF CAL	750	162	105	304	173	224	25.0	D	DST	TS	NL	YES	18	24
	MSDP27C	12	SMF CAL	750	162	105	304	173	224	25.0	C	DST	TS	NL	YES	18	24
	MSDP31	12	SMF CAL	830	200	110	330	173	240	29.0	H	DST	TS	FL	YES	18	24
 STOWAWAY MARINE CYCLING AGM																	
	AT121500D	12	VRLA AGM	NA	NA	150	485	170	240	42.5	D	TS	VRLA	NL	NO	12	N/A
	AT122000D	12	VRLA AGM	NA	NA	200	522	240	224	62.5	F	TS	VRLA	NL	NO	12	N/A

INDUSTRIAL CYCLING RANGE

PRODUCT CATEGORY	BATTERY TYPE	V	TECHNOLOGY	CCA	RC	AH	DIMENSION (MM)			WET WEIGHT (KG)	ASSEMBLY	POST TYPE	VENT	LEDGE	HYDRO	BASE WARRANTY (MONTHS)	EXTENDED WARRANTY (MONTHS)
							L	W	H								
 SEMI-INDUSTRIAL CYCLING																	
	ED12	6	MAINT CYCLING	600	160	95	228	173	204	14.5	A	STD	ACC	NL	NO	12	N/A
	ED48	12	MAINT CYCLING	-	103	60	237	172	204	16.5	D	DST	ACC	EL & FL	NO	12	N/A
	ED50	12	MAINT CYCLING	-	145	80	259	174	222	21.1	D	DST	ACC	NL	NO	12	N/A
	ED70	12	MAINT CYCLING	-	170	105	304	173	224	24.8	D	DST	ACC	NL	NO	12	N/A
	ED87	12	MAINT CYCLING	-	213	120	330	172	236	27.9	D	STD	ACC	NL	NO	12	N/A
 HEAVY INDUSTRIAL CYCLING																	
	R105	6	MAINT CYCLING	-	115	225	261	181	278	29.0	A	TM	ACC	NL	NO	12	N/A
	R875	8	MAINT CYCLING	-	75	170	264	181	278	29.0	D	TM	ACC	NL	NO	12	N/A
	R1275	12	MAINT CYCLING	-	70	155	329	181	278	38.0	D	TM	ACC	NL	NO	12	N/A
	R105T	6	MAINT CYCLING	-	-	226	259	182	283	29.0	A	TM	ACC	NL	NO	18	N/A
	R875T	8	MAINT CYCLING	-	-	174	259	182	283	30.0	D	TM	ACC	NL	NO	18	N/A
	R1275T	12	MAINT CYCLING	-	-	152	328	182	297	41.0	D	TM	ACC	NL	NO	18	N/A





Batteries

Cross Reference Chart

CROSS REFERENCE FOR AUSTRALIA & NEW ZEALAND

PASSENGER VEHICLE RANGE

EXIDE BATTERIES							
EXTREME	ENDURANCE	ENFORCER	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
X40CMF	40CMF	ENS40ZALMF	NS40ZLSX MF NS40ZLS MF	MF40B20ZAL SMFNS40ZALX	S42B19LS NS40ZLSWC	40B19LS	3052 2382
X40DMF		ENS40ZMF	NS40ZSX MF NS40ZS MF	MF40B20ZA SMFNS40ZAX	S42B19RS NS40ZSWC	40B19RS	3051 2381
X40CPMF	40CPMF	ENS40ZLMF	NS40ZX MF NS40Z MF	MF40B20L SMFNS40ZLX	S42B19L NS40ZLWC	40B19L	3053 2384
X40DPMF			NS40ZX NS40Z	MF40B20 SMFNS40ZX	S40B20R	40B19R	2383 3054
X43MF			41 / 43	MF43 SMF43	22F-330D 22F-330LS	22NF-330D	2133 2134
X50D20LMF			50D20L MF	MF50D20L	50D20L	50D20L	2508
	52DMF	ENS50PMF	67 MF 57 MF	MF50 SMF57	22FR680SMF 22FR600SMF 22FR520SMF 22FR66WC AU22R66WC S85B60R	22FR-610 22FR-530	4604 2501
	53CMF	ENS50PLMF	67EF MF 57EF MF	MF51 SMF58EB	AU22R600SMF AU22R520SMF AU2266WC	AU22R-530	4605 2503
X55D23CMF	55D23CMF	EN55D23LMF	75D23L MF 55D23L MF	MF75D23L SMF55D23L	S70D23L S55D23L 55D23LWC	90D23L 80D23L	6101 2584 2544
X55D23DMF	55D23DMF	EN55D23RMF	55D23R MF 55D23R MF	MF75D23R SMF55D23R	S70D23R S55D23R 55D23RWC	90D23R 80D23R	6100 2585 2543
X56DMF			67 MF 57 MF	MF50 MF54 SMF57	22FR680SMF 22FR600SMF 22FR520SMF 22FR66W AU22R66WC S85B60R	22FR-610 22FR-530	4604 2501
X56CMF	54CMF		68 MF 58 MF 58VT SMF	MF53 MF51 MF52 SMF58VT SMF58EB SMF58	22F680SMF 22F600SMF 22FR520SMF 22FR66W AU22R66WC S85B60R	22F-610FD 22F-530DF 22F-530	4603 2542 1353
X60CMF	60CMF		NS60LSX MF NS60LS MF	MF55B24LS SMFNS60LS	S55B24LS	55B24LS	5246 2136
X60DMF	60DMF	ENS60ZMF	NS60SX MF NS60S MF	MF55B24RS SMFNS60RS	S55B24RS	55B24RS	5242 2135
X60CPMF	60CPMF	ENS60ZLMF	NS60LX MF NS60L MF	MF55B24L	S55B24L	55B24L	5241
X60DPMF	60DPMF		NS60X MF NS60 MF	MF55B24R	S55B24R	55B24R	5240
EUROPEAN AUTOMOTIVE							
XDIN44MF			DIN44L MF	MF44	S55066	55066	5344
XDIN44HMF			DIN44LH MF	MF44H	S54516		1344
XDIN55MF	DIN55MF	EN55MF	DIN53L MF	MF55 SMF53L	S56220	55457	3552



CROSS REFERENCE FOR AUSTRALIA & NEW ZEALAND

PASSENGER VEHICLE RANGE

EXIDE BATTERIES							
EXTREME	ENDURANCE	ENFORCER	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
EUROPEAN AUTOMOTIVE (CONTINUED)							
XDIN55DMF			DIN53R MF	MF55R	55458	55458	3551
XDIN55HMF			DIN53LH MF	MF55H		6558	6558
XDIN66MF	DIN66MF	EN66MF	DIN65L MF	MF66 SMF65L	S57210 S56318 56318WC	56318	3662
XDIN66DMF			DIN65R MF	MF66R	S56840	56640	3661
XDIN66HMF	DIN66HMF		DIN65RH	MF66H SMF66H	S57220 S56838 56638WC	56638	3664
XDIN66HDMF			DIN65RH MF	MF66HR	S56840		3665
XDIN77MF			DIN75L MF	MF77	S58014	58014	3772
XDIN77HMF			DIN75LH MF	MF77H	S59096		3772
XDIN77HDXMF			DIN75RH MF	MF77HRX	S59095		3775
XDIN88MF	DIN88MF		DIN85L MF	MF88 SMF85L	S58515 58515WC	58515	3882
XDIN88HMF			DIN85LH MF	MF88H	S60038 S59227 60044WC 58827WC	60038	3884
US AUTOMOTIVE							
X58CMF			48R	MF58R	S58-6MF		2581
X58DMF			48L	MF58	S58R-6MF		2582
X65DMF			N65D	MF65	S65-7MF		2583
X78DT-60MF				MF78-DT	S78DT-6MF		1378

SUV, 4WD & LIGHT COMMERCIAL RANGE

EXIDE BATTERIES							
EXTREME	ENDURANCE	ENFORCER	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
XN50ZZMF	N50ZZMF	ENS70MF	NS70X NS70 MF	MF80D26R SMFNS70X	S80D2006R	90D26R	4503
XN50ZZLMF	N50ZZLMF	ENS70LMF	NS70LX NS70L MF	MF80D26L SMFNS70LX	S80D2006L	90D26L	4504
	N50ZZ			TMNS70			
	N50ZZL			TMNS70L			
XN70EX	N70ZZ		N70ZZHD MF				
XN70EXL	N70ZZL		N70ZZLHD MF				
XN70ZZMF	N70ZZMF	EN70ZZMF	N70ZZX MF N70ZZ MF	MF95D31R SMFN70ZZX	S95D31RHD	105D31R	4705
XN70ZZLMF	N70ZZLMF	EN70ZZLMF	N70ZZLX MF N70ZZL MF	MF95D31L SMFN70ZZXL	S95D31LHD	105D31L	4704



CROSS REFERENCE FOR AUSTRALIA & NEW ZEALAND

HEAVY COMMERCIAL RANGE

EXIDE BATTERIES						
EXTREME	ENDURANCE	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
31-1100MF	31-950	86ZMF	MF31-931	S31-901MF	31-901	4862
31-1100CMF	31-950C	86ZTMF	MF31-930	S31-900MF	31-930T	-
N100CMF		N100L MF	MFN100L	SN100L		
N100DMF		N100 MF	MFN100	SN100	95E 41	4901
N94MF		94	MFN94			9402
	26B		TMN25			
	94B	94	TMN94P			9402
	N120	N120	MFN120	SN120	115F51	4922
	N150	N150MF 4D-N150Z	MFN150	SN150	145G51	4952
	N200	N200MF 8D-N200Z	MFN200	SN200	190H52	4998
EUROPEAN HEAVY COMMERCIAL						
XDIN100L			DIN100L			
N120MFF			EMFN120			
N120MFE			EMFN120L			
N150MFF			EMFN150	SN150L		
N150MFE			EMFN150L			
N200MFF			EMFN200			
N200MFE			EMFN200L			

EVOLUTION START/STOP RANGE

EXIDE BATTERIES						
EVOLUTION START/STOP		CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
VALVE REGULATED BATTERIES (AGM)						
SSAGM-55EU		DIN53LH MF AGM	MF55HSS	S56090AGM	DIN LN2	
SSAGM-66EU		DIN65LH MF AGM	MF66HSS	S57090AGM	DIN LN3	5536
SSAGM-77EU		DIN75LH MF AGM	MF77HSS	S58090AGM	DIN LN4	5556
SSAGM-88EU		DIN85LH MF AGM	MF88HSS	S59590AGM	DIN LN5	3888
ENHANCED FLOODED BATTERIES (EFB)						
SSEFB-B24			MFB24EF			
SSEFB-D23		Q85	MFD23EF	SQ85D23LEFB		4032
SSEFB-D23R		Q85R				
SSEFB-D26		S95	MFD26EF	SS95D26LEFB		5582
SSEFB-D31		T110	MFD31EF	ST110D31LEFB		
SSEFB-55EU						
SSEFB-66EU						



CROSS REFERENCE FOR AUSTRALIA & NEW ZEALAND

POWERIDER LAWN RANGE

EXIDE BATTERIES						
MAINTENANCE FREE	LOW MAINTENANCE	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
U1RMF	N05	U1RMF 12N24-3	MFU1R N05	SU1R-60 12N24-3WC	U1R-230	1405 4052
U1LMF	N06	U1MF 12N24-4	MFU1 N06	SU1-60 12N24-4WC	U1-230	1406 4061

STOWAWAY MARINE RANGE

EXIDE BATTERIES						
STARTING	DUAL PURPOSE	CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
MSST22	MSDP22	D23RM	MFM48			
MSST24	MSDP24	NS70M	MFM50	M24SMF600 HCM24SMF		7501 5503
	MSDP27C					
MSST27	MSDP27D	N70ZM	MFM70	M27SMF750 HCM27SMF		7601 7702
MSST31	MSDP31	C30HH	MFM87	M31SMF900 HCM31SMF		5862

INDUSTRIAL CYCLING RANGE

EXIDE BATTERIES						
INDUSTRIAL CYCLING		CENTURY	SUPERCHARGE	AC DELCO	BOSCH	CLUB ASSIST
SEMI-INDUSTRIAL						
ED12			D12			
ED48			D48			
ED50		C24DC US	D50Z		DC24	
ED70		C27DC US	D70Z		DC27	
ED87		C31DC US	D87L		DC31	
HEAVY INDUSTRIAL						
DC6V225		C2320 UT US	GC2-6VT			
DC8V150			GC2-8V			
DC12VXC			GC2-12V			





EXIDE[®]

Batteries

Fitment Guide



Passenger Range



SUV/4WD/Light Commercial Range



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
ALFA ROMEO					
2000-ON	166	XDIN66MF	DIN66MF	EN66MF	
2007	147 - 1.9 JTD, 2.0 LT TS	XDIN66HMF	DIN66HMF		
2005-06	147 - 1.9 JTD, 2.0 LT TS, 3.2 GTA	XDIN55MF	DIN55MF	EN55MF	
2007-08	147 - 1.9L GTA DIESEL	XDIN55MF	DIN55MF	EN55MF	
2004-ON	147 - 1.9L JT	XDIN66HMF	DIN66HMF		
2001-04	147 - 2.0 TWIN SPARK	XDIN55MF	DIN55MF	EN55MF	
2004-ON	147 - 2.0L TS, 147 3.2L GTA	XDIN55MF	DIN55MF	EN55MF	
2001-06	147 - GTA	XDIN55MF	DIN55MF	EN55MF	
1992-ON	155 - 1.7L, 1.8L, 2.0L, V6	XDIN55MF	DIN55MF	EN55MF	
2007-ON	156 - 1.9L JTD	XDIN77MF			
2004-ON	156 - 2.0LT JTS, SALSESPEED	XDIN55MF	DIN55MF	EN55MF	
2007-ON	156 - 2.0L, 2.2I MANUAL, 2.4L JTD, 3.2L V6	XDIN77MF			
2005	156 - ALL V6 ENGINES	XDIN66HMF	DIN66HMF		
2000-03	156 - TWIN SPARK	XDIN55MF	DIN55MF	EN55MF	
2006-ON	159 - 3.2LT JTD, 159 DIESEL	XDIN77HMF			
2006-ON	159 - 1.9LT JTD	XDIN77HMF			
2006-ON	159 - 2.2LT MANUAL AND SELESPEED	XDIN77HMF			
2006-ON	159 - 2.4LT JTD	XDIN77HMF			
2001-ON	166 - 3.0L V6 24V TURBO	XDIN88HMF			
2006-07	BRERA/NUOVA SPIDER	XDIN77MF			
2006-07	BRERA/NUOVA SPIDER 2.2LT MANUAL AND SELES	XDIN77MF			
2006-07	BRERA/NUOVA SPIDER V6 MANUAL AND AUTO	XDIN77MF			
2004-06	GT - 2.0 & V6	XDIN55MF	DIN55MF	EN55MF	
2004-09	GT - 2.0LT	XDIN66MF	DIN66MF	EN66MF	
2004-06	GT - 3.2 V6	XDIN55MF	DIN55MF	EN55MF	
2008	GT - BLACKLINE	XDIN66MF	DIN66MF	EN66MF	
2007	GT - V6	XDIN66HMF	DIN66HMF		
2000-ON	GTV - 2.0, 3.0, TWIN SPARK	XDIN66MF	DIN66MF	EN66MF	
2004	GTV - V6	XDIN66MF	DIN66MF	EN66MF	
2011-ON	GUILIETTA 1.4 MULTI AIR TURBO PETROL WITH START & STOP				SSAGM-55EU
2011-ON	GUILIETTA 1.8 TB GDI PETROL TURBO WITHOUT START & STOP	XDIN66HMF	DIN66HMF		
2009-ON	MITO	XDIN66MF	DIN66MF	EN66MF	
2011-ON	MITO QV	XDIN66HMF	DIN66HMF		
2011-ON	MITO TCT	XDIN66HMF	DIN66HMF		
2013-ON	MITO 0.9T, 1.4T START STOP				SSAGM-55EU
1992-00	SPYDER	XDIN66MF	DIN66MF	EN66MF	
2006-ON	SPYDER	XDIN77MF			
2000-ON	SPYDER - TWIN SPARK 2.0L, 3.0L, 3.2L V6 24V	XDIN55MF	DIN55MF	EN55MF	
ASIA					
1994-ON	CERES DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1994-ON	ROCSTA	X55D23CMF	55D23CMF	EN55D23LMF	
ASTON MARTIN					
1957-87	ALL MODELS	XN70ZZMF	N70ZZMF	EN70ZZMF	
1995-05	DB7	XDIN88MF	DIN88MF		

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
ASTON MARTIN (CONTINUED)					
2009-ON	RAPIDE V12				SSAGM-88EU
2001-05	VANQUISH	XDIN88MF	DIN88MF		
2012-ON	VANQUISH V12				SSAGM-88EU
2011-13	VIRAGE V12				SSAGM-88EU
2011-ON	ZAGATO V12				SSAGM-88EU
AUDI					
2011-ON	A1, A1 SPORTBACK	XDIN55MF	DIN55MF	EN55MF	
2011-15	A1 PETROL 1.2T, 1.4T AMBITION, ATTRACTION, SPORT				SSAGM-66EU
2011-15	A1 PETROL 1.4TSC SPORT				SSAGM-66EU
2015-ON	A1 PETROL 1.0T				SSAGM-55EU
2015-ON	A1 PETROL 1.8T S-LINE				SSAGM-66EU
2010-2018	A1 ALL MODELS FWD				SSAGM-66EU
2018 - ON	A1 TFSI FWD				SSAGM-55EU
2004-09	A3 - 1.6 CABRIOLET	XDIN66MF	DIN66MF	EN66MF	
2004-09	A3 - 1.6 HATCHBACK, 1.6 SPORTBACK	XDIN55MF	DIN55MF	EN55MF	
2001-ON	A3 - 1.6, 1.8	XDIN44MF			
2006-07	A3 - 1.8 & 2.0L TFSI CABRIOLET	XDIN66MF	DIN66MF	EN66MF	
2004-09	A3 - 1.8 TURBO, SPORTBACK	XDIN55MF	DIN55MF	EN55MF	
2004-09	A3 - 1.9, 2.0 TDI SPORTBACK	XDIN66MF	DIN66MF	EN66MF	
2004-09	A3 - 2.0 TFSI QUATTRO SPORTBACK	XDIN55MF	DIN55MF	EN55MF	
2006-07	A3 - CABRIOLET S LINE SPORTS	XDIN77MF			
2013-ON	A3 - DIESEL 1.6DT, 2.0DT				SSAGM-77EU
2013-ON	A3 - PETROL 1.4T, 1.8T				SSAGM-77EU
2015-2019	A4 1.4TFSI FWD				SSAGM-66EU
2006-09	A4 - 1.8 & 2.0 TFSI CABRIOLET	XDIN77MF			
2005-09	A4 - 1.8 TFSI, 2.0 TFSI	XDIN77MF			
2015-2019	A4 2.0 TFSI QUATTRO				SSAGM-88EU
2005-09	A4 - 2.0 TDI, 2.0 TFSI QUATTRO	XDIN77MF			
2008-09	A4 - 2.7 TDI V6	XDIN88HMF			
2005-07	A4 - 2.7 TDI V6, 3.0 TDI QUATTRO V6	XDIN77MF			
2008-09	A4 - 3.0 TDI QUATTRO V6, 3.2 FSI QUATTRO V6	XDIN88HMF			
2005-07	A4 - 3.2 FSI QUATTRO V6	XDIN77MF			
2006-09	A4 - 3.2 FSI QUATTRO V6 CABRIOLET	XDIN88HMF			
2001-ON	A4 - AVANT, SEDAN, CABRIOLET	XDIN66MF	DIN66MF	EN66MF	
2001-05	A4 - MULTITRONIC, TIPTRONIC	XDIN77MF			
2001	A4 - TURBO	XDIN77MF			
2002-04	A4 1.8T, 1.8T AVANT, 1.8T QUATTRO	XDIN44MF			
1996	A4 2.6L V6 SEDAN	XDIN66MF	DIN66MF	EN66MF	
2014-17	A4 DIESEL	XDIN66MF	DIN66MF	EN66MF	
2012-ON	A4 DIESEL 2.0DT. 3.0DT				SSAGM-88EU
2012-ON	A4 ALLROAD QUATTRO 2.0DT				SSAGM-88EU
2012-ON	A4 AVANT DIESEL 2.0DT, 3.0DT				SSAGM-88EU
2012-ON	A4 AVANT PETROL 1.8T, 2.0T				SSAGM-77EU
2016-2019	A4 S4 QUATTRO AWD				SSAGM-77EU
2007-09	A5 - 2.0 TFSI QUATTRO COUPE, 3.2 FSI QUATTRO V6 COUPE	XDIN88HMF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2007-09	A5 - 3.0 TDI QUATTRO V6 COUPE	XDIN88HMF			
2012-ON	A5 DIESEL				SSAGM-88EU
2007-ON	A5 - COUPE	XDIN88MF	DIN88MF		
2005-2018	A6 1.8,2.0 FWD SEDAN				SSAGM-88EU
2011-2018	A6 2.0 TDI FWD WAGON				SSAGM-77EU
2005-09	A6 - 2.0 FSI QUATTRO V6, 3.0 TDI QUATTRO V6, 3.0 TFSI QUATTRO V6	XDIN88HMF			
2005-09	A6 - 2.0 TDI, 2.7 TDI V6, 2.0 FSI	XDIN88HMF			
2005 -ON	A6 - 3.2 FSI	XDIN88HMF			
2006-09	A6 - ALL ROAD 3.0 TDI QUATTRO V6	XDIN88HMF			
2011-ON	A7 SPORTBACK	XDIN88HMF			
2015-2018	A7 2.0 TFSI QUATTRO AWD				SSAGM-88EU
2000-ON	A8	XDIN88HMF			
2003-09	A8 - 3.0 TDI QUATTRO V6, 4.2 FSI QUATTRO V8, 6.0 W12 QUATTRO	XDIN88HMF			
2003-09	A8 - 3.2 FSI QUATTRO V6, 4.2 FSI QUATTRO V8, 4.2 TDI QUATTRO V8	XDIN88HMF			
2010-14	A8 - DIESEL 3.0DT, 4.2DTT				SSAGM-88EU
2003-ON	ALLROAD AWD	XDIN88MF	DIN88MF		
1983-97	AVANTI	XDIN66MF	DIN66MF	EN66MF	
2003-ON	CABRIOLET - 1.8T, 3.0	XDIN88MF	DIN88MF		
2011-ON	Q3 DIESEL	XDIN88HMF			
2012-ON	Q3 DIESEL 2.0DT				SSAGM-66EU
2012-ON	Q3 PETROL 1.4T, 2.0T				SSAGM-66EU
2012-15	Q3 PETROL 2.0 TFSI				SSAGM-66EU
2016-2018	Q5 2.0 TDI QUATTRO AWD				SSAGM-77EU
2008-09	Q5 - 2.0 TDI, 2.0 TFSI	XDIN66HMF	DIN66HMF		
2008-09	Q5 - 3.2 FSI V6, 3.0 TDI V6	XDIN88HMF			
2012-ON	Q5 - DIESEL 2.0DT, 3.0DT				SSAGM-88EU
2012-ON	Q5 - PETROL 2.0T, 3.0SC				SSAGM-77EU
2006-09	Q7 - 3.6 FSI SE V6, 3.6 FSI V6, 4.2 FSI V8, 3.0 TDI V6, 4.2 TDI V8	XDIN88HMF			
2015-17	Q7 DIESEL	XDIN88HMF			
2018-ON	Q8 55 TFSI AWD				SSAGM-66EU
2007-09	R8 - 4.2 FSI V8 QUATTRO	XDIN88HMF			
2011-ON	R8 SPYDER	XDIN88HMF			
2012-ON	RS4 AVANT 4.2I				SSAGM-88EU
2006-09	RS6 - 5.0 TFSI V10 QUATTRO	XDIN88HMF			
2014-ON	S1 2.0T				SSAGM-66EU
2004-09	S3 - 2.0 TFSI SPORTBACK	XDIN66MF	DIN66MF	EN66MF	
2013-ON	S3 QUATTRO				SSAGM-66EU
2002-ON	S4 - SEDAN 2.7QUATTRO	XDIN77MF			
2005-07	S4 -SEDAN 3.0 TFSI QUATTRO V6	XDIN77MF			
2008-09	S4 -SEDAN 3.0 TFSI QUATTRO V6	XDIN88HMF			
2009-ON	S4 3.0SC V6				SSAGM-88EU
2007-09	S5 - 4.2 FSI QUATTRO V8 COUPE	XDIN88HMF			
2006-09	S6 - 5.2 FSI V10 QUATTRO	XDIN88HMF			
2002-ON	S6 - AVANT	XDIN88MF	DIN88MF		

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP	
AUDI (CONTINUED)						
2006	S6 - S6 AVANT	XDIN66MF	DIN66MF	EN66MF		
2003-09	S8 - 5.2 FSI QUATTRO V10	XDIN88HMF				
2006-09	TT COUPE - 1.8 TFSI, 2.0 TFSI, 2.0 TFSI QUATTRO, TT COUPE 2.0 TDI, 3.2 QUATTRO V6	XDIN66MF	DIN66MF	EN66MF		
1999-06	TT COUPE 1.8 TFSI, 2.0 TFSI QUATTRO	XDIN55MF	DIN55MF	EN55MF		
2000-06	TT- COUPE AND ROADSTER	XDIN55MF	DIN55MF	EN55MF		
2014-ON	TT 2.0T					SSAGM-66EU
BENTLEY						
2002-ON	ARNAGE T	XDIN66MF	DIN66MF	EN66MF		
2003-ON	CONTINENTAL GT	XDIN88MF	DIN88MF			
2006-13	FLYING SPUR					SSAGM-55EU
BMW						
2005-2012	130I	XDIN66HMF	DIN66HMF			
2001-ON	740	XDIN88HMF				
2001-ON	740	XDIN88HMF				
2011-ON	116I HATCH 1.6T					SSAGM-66EU
2011-ON	118D DIESEL 2.0DT					SSAGM-77EU
2015-2019	118 D RWD					SSAGM-88EU
2019-ON	118 I FWD					SSAGM-66EU
2011-2019	118 I RWD					SSAGM-77EU
2005-ON	118I	XDIN66MF	DIN66MF	EN66MF		
2015-17	118I	XDIN66MF	DIN66MF	EN66MF		
2011-ON	118I HATCH 1.6I					SSAGM-66EU
2005-ON	120I	XDIN66MF	DIN66MF	EN66MF		
2008-13	120I COUPE, CONVERTIBLE 2.0I					SSAGM-66EU
2015-2019	120 I RWD					SSAGM-77EU
2009-13	123D DIESEL HATCH, COUPE, CONVERTIBLE 2.0DT					SSAGM-77EU
2012-ON	125I HATCH 2.0T					SSAGM-66EU
2008-13	135I COUPE, CONVERTIBLE 3.0T					SSAGM-66EU
2014-ON	218D DIESEL 2.0DT					SSAGM-77EU
2014-ON	218I HATCH 1.5T					SSAGM-77EU
2014-ON	220D DIESEL 2.0I					SSAGM-88EU
2014-ON	220I HATCH 2.0I					SSAGM-77EU
2014-ON	225I HATCH 2.0T					SSAGM-77EU
2012-2019	125 I RWD					SSAGM-77EU
214-ON	228I					SSAGM-77EU
1991-ON	3 SERIES	XDIN66HMF	DIN66HMF			
2000-ON	3 SERIES 320 / 325	XDIN88HMF				
2013-15	3 SERIES ACTIVEHYBRIS 3.0T				SSAGM-88EU	
2001-ON	316I	XDIN44MF				
2013-ON	316I SEDAN 1.6T				SSAGM-77EU	
2000-05	318 E46	XDIN66HMF	DIN66HMF			
2001-ON	318I, 325	XDIN55MF	DIN55MF	EN55MF		
2015-2018	318 I RWD				SSAGM-88EU	
2007-ON	320D	XDIN77MF				
2011-ON	320D DIESEL SEDAN, HATCH 2.0DT				SSAGM-88EU	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2012-ON	320I SEDAN, WAGON, HATCH 2.0T				SSAGM-88EU
2015-2018	320 D RWD				SSAGM-66EU
2015-2018	320 I RWD				SSAGM-66EU
2015-2019	320 I RWD WAGON				SSAGM-66EU
2006-ON	325I	XDIN66HMF	DIN66HMF		
1997-01	328 SERIES E36	XDIN66HMF	DIN66HMF		
1999-00	328CI	XDIN66HMF	DIN66HMF		
2013-ON	328I SEDAN, WAGON, HATCH 2.8I				SSAGM-88EU
2000-ON	330 SERIES E46	XDIN66MF	DIN66MF	EN66MF	
2000-07	330I	XDIN77MF			
2015-ON	330I	XDIN77MF			
2015-2018	330 I RWD				SSAGM-66EU
2015-2019	330 I RWD WAGON				SSAGM-66EU
2006-ON	335I	XDIN66HMF	DIN66HMF		
2010-12	335I SEDAN, WAGON 3.0T				SSAGM-66EU
2010-13	335I COUPE, CONVERTIBLE 3.0T				SSAGM-66EU
2013-ON	335I SEDAN 3.0T				SSAGM-55EU
2013-ON	420D DIESEL 2.0DT				SSAGM-55EU
2013-ON	420I, 428I 2.0T				SSAGM-88EU
2013-ON	435I 3.0T				SSAGM-88EU
2010-ON	5 SERIES DIESEL				SSAGM-88EU
2013-ON	5 SERIES ACTIVEHYBRID				SSAGM-88EU
2010-ON	520D, 530D, 535D DIESEL				SSAGM-88EU
2003-09	520I, 523I, 525I, 530I SEDAN				SSAGM-77EU
2010-ON	520I, 528I, 2535I, 550I				SSAGM-88EU
2004	525, 525I	XDIN88HMF			
2005	530D	XDIN88HMF			
2001-ON	530I, 530I EXECUTIVE & SPORT	XDIN66MF	DIN66MF	EN66MF	
1986-03	535I	XDIN88HMF			
2001-ON	535I V8	XDIN88MF	DIN88MF		
2001-ON	540I V8 EXECUTIVE, V8 SPORT	XDIN88MF	DIN88MF		
2003-10	540I, 545I, 550I				SSAGM-88EU
2013-ON	640D DIESEL 3.0DT				SSAGM-88EU
2011-ON	640I, 650I 3.0T, 4.4TT				SSAGM-88EU
2004-ON	645CI	XDIN88MF	DIN88MF		
2005-ON	650I	XDIN88MF	DIN88MF		
2015-ON	650I	XDIN88MF	DIN88MF		
2009-ON	730D, 740I, 750I, 760LI				SSAGM-88EU
2001-ON	735I, 740I, 745I, 745LI, 760LI	XDIN88MF	DIN88MF		
2015-2019	740 E RWD				SSAGM-88EU
2013-ON	7 SERIES ACTIVEHYBRID 3.0T/40KW				SSAGM-88EU
2016-2018	M3 RWD				SSAGM-66EU
2015-ON	M3	XDIN66MF	DIN66MF	EN66MF	
2000-ON	M3 COUPE	XDIN66MF	DIN66MF	EN66MF	
2007-13	M3 COUPE, CONVERTIBLE V8 4.0I				SSAGM-88EU
2012-ON	M135I 3.0T				SSAGM-88EU
2014-ON	M235I 3.0T				SSAGM-88EU
2007-ON	S5	XDIN88MF	DIN88MF		

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
BMW (CONTINUED)					
2010-15	X1 DIESEL E84 2.0DT				SSAGM-88EU
2010-15	X1 PETROL E84				SSAGM-66EU
2015-ON	X1 DIESEL 2.0DT & PETROL 2.0T				SSAGM-77EU
2018-ON	X2 M35 I AWD				SSAGM-77EU
2017-ON	X2 S DRIVE FWD				SSAGM-88EU
2017-ON	X2 X DRIVE D AWD				SSAGM-77EU
2004-ON	X3	XDIN88HMF			
2005-10	X3 DIESEL 20D, 30D				SSAGM-77EU
2014-2017	X3 X DRIVE D AWD				SSAGM-88EU
2011-2017	X3 XDRIVE AWD				SSAGM-88EU
2006-10	X3 PETROL 25I, 30I				SSAGM-77EU
2011-12	X3 PETROL XDRIVE 28I, 3.0I				SSAGM-77EU
2012-ON	X3 PETROL F25 XDRIVE 20I, 2.0LTR, 28I 2.0LTR				SSAGM-88EU
2008-ON	X3, X5, X6	XDIN88MF	DIN88MF		
2014-ON	X4				SSAGM-88EU
2001-ON	X5	XDIN88HMF			
2013-2018	X5 SDRIVE 25 D AWD RWD				SSAGM-95EU
2010-2018	X5 XDRIVE 30 D AWD				SSAGM-88EU
2018-ON	X5 XDRIVE 30 I AWD				SSAGM-88EU
2001-ON	X5 3.0I, X5 4.4I, X5 4.6LS, X5 V8, X5 4WD	XDIN88MF	DIN88MF		
2014-ON	X5	XDIN88HMF			
2013-ON	X5 F15 SERIES				SSAGM-88EU
2009-2019	X6 ALL MODELS				SSAGM-88EU
2008-ON	X6	XDIN88HMF			
2008-15	X6 XDRIVE 30D, 40D, XDRIVE 35I, 50I, M50D				SSAGM-88EU
2003-ON	Z4	XDIN66MF	DIN66MF	EN66MF	
2008-15	Z4 SDRIVE 20I, 28I, 35IS				SSAGM-66EU
BUICK					
1990-ON	ALL MODELS	XN70ZZMF	N70ZZMF	EN70ZZMF	
CADILLAC					
1956-82	ALL MODELS	XN50ZZMF	N50ZZMF	ENS70MF	
1982-90	ALL MODELS	XN70ZZMF	N70ZZMF	EN70ZZMF	
CHERY					
2009-10	J1	XDIN66HMF	DIN66HMF		
2011-ON	J1	X60DMF	60DMF	ENS60ZMF	
2001-ON	J3	XDIN66HMF	DIN66HMF		
2011-ON	J11 SUV AUTOMATIC, TIGGO	XN50ZZMF	N50ZZMF	ENS70MF	
CHEVROLET					
1956-91	ALL MODELS	X56DMF			
CHRYSLER					
2007-ON	300C DIESEL	XDIN88HMF			
2007-ON	300C PETROL	XDIN66MF	DIN66MF	EN66MF	
2003-ON	CROSSFIRE	XDIN66MF	DIN66MF	EN66MF	
2007-10	DODGE NITRO	XN50ZZMF	N50ZZMF	ENS70MF	
2007-ON	DODGE NITRO	XDIN66MF	DIN66MF	EN66MF	
2007-ON	DODGE NITRO DIESEL	XDIN77HMF			
2009-ON	DODGE CALIBRE	X56DMF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2009-ON	DODGE JOURNEY	X56DMF			SSAGM-77EU
1999-04	GRAND VOYAGER - LE/SE/LTD	XDIN66MF	DIN66MF	EN66MF	
2011-ON	GRAND VOYAGER	XDIN66MF	DIN66MF	EN66MF	
2011-ON	GRAND VOYAGER DIESEL 2.8DT				
1995-99	NEON	XDIN55MF	DIN55MF	EN55MF	
2000-ON	NEON LE/LX/SE	XDIN55MF	DIN55MF	EN55MF	
1999-ON	NEON VIPER	XDIN55MF	DIN55MF	EN55MF	
2004	PROWLER	X78DT-60MF			
2000	PT CRUISER	XDIN55MF	DIN55MF	EN55MF	
2001-ON	PT CRUISER	X58DMF			
2004	PT CRUISER CLASSIC, GRAND TOURER, LIMITED	XDIN55MF	DIN55MF	EN55MF	
2007-ON	SEBRING	X56DMF			
2004-ON	VOYAGER SE LWB RG	XDIN66MF	DIN66MF	EN66MF	
CITROEN					
2015-ON	BERLINGO DIESEL VAN L2 E-HDI AUTO				SSAGM-66EU
2005	C2	XDIN44MF			SSAGM-66EU
2003-ON	C2	XDIN55MF	DIN55MF	EN55MF	
2003-ON	C3 - 1.1I L, 1.4I LX, 1.6I 16V	XDIN44MF			
2003-ON	C3 - 1.4 HDI	XDIN55MF	DIN55MF	EN55MF	
2002-ON	C3 1.1I L, 1.4I LX, C3 1.6 LTR PETROL	XDIN55MF	DIN55MF	EN55MF	
2012-14	C3 DIESEL SEDUCTION E-HDI 1.6DT				
2013-ON	C3 PETROL SEDUCTION VTI 1.2I, EXCLUSIVE 1.6I				
2005	C4 - 1.6 VTR, 1.6SX, 1.6 SX HDI, 2.0 VTS, 2.0 VTR, 2.0 HDI	XDIN55MF	DIN55MF	EN55MF	
2004-ON	C4 1.6 LTR, 2.0LTR PETROL	XDIN55MF	DIN55MF	EN55MF	
2001-ON	C4 HDI 1.6 LTR DIESEL	XDIN66MF	DIN66MF	EN66MF	
2005-ON	C4 PICASSO	XDIN66MF	DIN66MF	EN66MF	
2012-ON	C4 AIRCROSS	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	C4 DIESEL E-HDI EXCLUSIVE, SEDUCTION AUTO 1.6DT				
2013-ON	C4 PETROL PICASSON MPV 1.6T				
2001-ON	C5	XDIN66MF	DIN66MF	EN66MF	SSAGM-66EU SSAGM-66EU
2001-ON	C5 - 1.8I, 2.0I	XDIN55MF	DIN55MF	EN55MF	
2001-ON	C5 - 3.0 V6, 2.0 HDI, 2.02 HDI	XDIN66MF	DIN66MF	EN66MF	
2007-ON	C6	XDIN66MF	DIN66MF	EN66MF	
2001-ON	C6 - V6 & V6 HDI	XDIN88MF	DIN88MF		
2002	C8 - 2.0I, 2.02	XDIN66MF	DIN66MF	EN66MF	
2002	C8 - 3.0 V6, 2.0 HDII, 2.02 HDI	XDIN77MF			
2011-ON	DISPATCH	XDIN66MF	DIN66MF	EN66MF	
1976-88	DIESEL MODELS	XDIN88MF	DIN88MF		
2011-ON	DS4 DIESEL HDI, E-HDI 1.6DT, 2.0DT				
2012-ON	DS5 DIESEL 2.0DT				
2005-ON	ESTATE DIESEL	XDIN66MF	DIN66MF	EN66MF	
2005-08	PICASSO	XDIN66MF	DIN66MF	EN66MF	
2005	PLURIEL	XDIN44MF			
2001-ON	XSARA COUPE VTR 1.6, VTS2.0	XDIN55MF	DIN55MF	EN55MF	

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
CITROEN (CONTINUED)					
2000-ON	XSARA ESTATE - 1.6I PETROL	XDIN55MF	DIN55MF	EN55MF	
2000-ON	XSARA ESTATE - 2.0 HDI, PICASSO DIESEL	XDIN66MF	DIN66MF	EN66MF	
DAEWOO					
2003-ON	KALOS	X56CMF	54CMF		
1998-ON	KORANDO - 3.2 COUPE	X56DMF			
2000-ON	KORANDO - 4WD	XN50ZZMF	N50ZZMF	ENS70MF	
2003-ON	LACETTI	X55D23DMF	55D23DMF	EN55D23RMF	
2002-ON	LANOS SPORTS 22	X56DMF			
2001-ON	LEGANZA - SEDAN SX	X56DMF			
2000-ON	MATIZ - MICRO SE	X40CPMF	40CPMF	ENS40ZALMF	
2000-ON	NUBIRA	X56DMF			
2000-ON	TACUMA	XN50ZZMF	N50ZZMF	ENS70MF	
DAIHATSU					
2003-ON	COPEN	X40CPMF	40CPMF	ENS40ZALMF	
2000-03	CUORE	X40CPMF	40CPMF	ENS40ZALMF	
1999-ON	DX 4WD	X40CMF	40CMF	ENS40ZALMF	
1989-97	FEROZA PETROL	X40DPMF			
2003-ON	TRV/YRV	X40CPMF	40CPMF	ENS40ZALMF	
DAIMLER					
1953-79	ALL MODELS	XN50ZZMF	N50ZZMF	ENS70MF	
1987-ON	DAIMLER 3.6, DOUBLE 6	XN70ZZMF	N70ZZMF	EN70ZZMF	
1990-ON	DAIMLER 4.	XN70ZZMF	N70ZZMF	EN70ZZMF	
1967-70	SOVEREIGN	XN70ZZMF	N70ZZMF	EN70ZZMF	
1971-92	SOVEREIGN	XN50ZZMF	N50ZZMF	ENS70MF	
DODGE					
2006-ON	AVENGER - ALL MODELS	X55D23DMF	55D23DMF	EN55D23RMF	
2006-ON	CALIBER - ALL MODELS	X55D23DMF	55D23DMF	EN55D23RMF	
2008-ON	JOURNEY	X56DMF			
2006-ON	NITRO	X55D23DMF	55D23DMF	EN55D23RMF	
EUNOS					
1992-ON	300, 500	X58DMF			
1993-ON	30X V6	X55D23CMF	55D23CMF	EN55D23LMF	
1999-ON	800 2.3, 2.5	XN50ZZLMF	N50ZZLMF	ENS70LMF	
FERRARI					
2002-ON	360 - GT, MODENA	XDIN66MF	DIN66MF	EN66MF	
1998-ON	456M - GT, GTA	XDIN66MF	DIN66MF	EN66MF	
2010-15	458 V8 4.5I				SSAGM-66EU
2015-ON	458 GTB 3.9TT				SSAGM-66EU
2006-12	599 FIORANO GTB V12 6.0I				SSAGM-88EU
2009-14	CALIFORNIA V8 4.3I				SSAGM-66EU
2014-ON	CALIFORNIA V8 3.9TT				SSAGM-66EU
2003-ON	CHALLENGE STARDALE	XDIN66MF	DIN66MF	EN66MF	
2013-ON	F12 BERLINATTA V12 6.3I				SSAGM-88EU
2006-10	F430 V8 4.3I				SSAGM-66EU
2012-ON	FF V12 6.3I				SSAGM-88EU
2003-ON	MARANELLO	XDIN66MF	DIN66MF	EN66MF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
FIAT					
2011-ON	ABARTH 500 & 500C	XDIN44HMF			SSAGM-55EU
2011-ON	ABARTH 695 TRIBUTO	XDIN44HMF			
2006	500 - 1.2, 1.4	XDIN44HMF			
2008-ON	500	XDIN77MF			
2011-ON	500 TWIN AIR	XDIN66HMF	DIN66HMF		
2015-ON	500X	XDIN77MF			
2012-ON	500, 500C LOUNGE, ROCKSTAR 0.9T				
2002-ON	DUCATO	XDIN88MF	DIN88MF		
2013-ON	PANDA DIESEL TREKKING 1.3DT				
2013-ON	PANDA PETROL EAY, LOUNGE 0.9LTR				
2006-ON	PUNTO - 1.3 DIESEL, 1.9 DIESEL	XDIN66HMF	DIN66HMF		
2006-ON	PUNTO - PETROL	XDIN44MF			
2008-ON	PUNTO - T JET 1.4 TURBO PETROL	XDIN66HMF	DIN66HMF		
1984-92	REGATA 1100S STRADA, STACKI, 855, 100S	XDIN55MF	DIN55MF	EN55MF	
2008-ON	RITMO - 1.4, 1.9	XDIN66HMF	DIN66HMF		
1981-85	SUPER BRAVA - MKII, MKIII	X56DMF			
1983-ON	UNO	XDIN55MF	DIN55MF	EN55MF	
FORD					
2000-ON	COUGAR	XDIN66MF	DIN66MF	EN66MF	SSAGM-44EU SSAGM-55EU SSAGM-77EU
2003-ON	COURIER XL	X55D23DMF	55D23DMF	EN55D23RMF	
2005-ON	COURIER V6 PETROL	XDIN55MF	DIN55MF	EN55MF	
2005-ON	COURIER V6 4.0L (SOUTH AFRICA)	XDIN55MF	DIN55MF	EN55MF	
1991-99	COURIER - 2.6L (JAPAN)	X56DMF			
2003-06	ECONOVAN MAXI (PETROL)	X55D23CMF	55D23CMF	EN55D23LMF	
2013-2017	ECOSPORT FWD				
2017-ON	ECOSPORT FWD				
2013-ON	ECOSPORT	XDIN44MF			
2018-ON	ENDURA				
2001-06	ESCAPE	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	ESCAPE XLT	X55D23CMF	55D23CMF	EN55D23LMF	
2015-ON	EVEREST	XDIN77MF			
2001-07	F250, F350 DIESEL (2 X BATTERIES)	X65DMF			
2005-ON	F6, F6 TYPHOON, F6 TORNADO	X56DMF			
2004-08	FIESTA - WP, WQ	XDIN44MF			
2007-12	FIESTA - WS, WT	XDIN55MF	DIN55MF	EN55MF	
2012-ON	FIESTA B299 5 DOOR	XDIN66MF	DIN66MF	EN66MF	
2002-ON	FOCUS - 2L, 1.8L, 1.6L	XDIN55MF	DIN55MF	EN55MF	
2002-ON	FOCUS - ST 170	XDIN66MF	DIN66MF	EN66MF	
2006-ON	FOCUS - XR5, ST TURBO	XDIN66MF	DIN66MF	EN66MF	
2007-09	FOCUS - DIESEL	XDIN66MF	DIN66MF	EN66MF	
2009-ON	FOCUS - DIESEL	XDIN77MF			
ALL	GT4 MK3	XDIN66DMF			
1999-03	KA	XDIN44MF			
2012-ON	KUGA	XDIN77MF			
2007-ON	MONDEO	XDIN55MF	DIN55MF	EN55MF	
2007-ON	MONDEO - DIESEL	XDIN77MF			
2011-ON	MONDEO - 2.3L PETROL	XDIN66MF	DIN66MF	EN66MF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
FORD (CONTINUED)					
2011-ON	MONDEO - DURATECH 2.5L PETROL	XDIN55MF	DIN55MF	EN55MF	
2002-ON	MUSTANG	X58DMF			
2015-ON	MUSTANG	X58DMF			
ALL	PUMA	XDIN44MF			
2007-11	RANGER - PJ, PK, 2.5L, 3.0L	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	RANGER - PX 3.2L	XDIN66HMF	DIN66HMF		
1992-ON	TELSTAR - AX, AY 6CYL	X55D23CMF	55D23CMF	EN55D23LMF	
2004-ON	TERRITORY - ALL MODELS	X56DMF			
2011-ON	TERRITORY DIESEL	XDIN66HMF	DIN66HMF		
2000-ON	TRANSIT VAN DIESEL	XDIN66MF	DIN66MF	EN66MF	
FORD PERFORMANCE VEHICLES					
2003-ON	GT, GT-P, GTP, PURSUIT	X56DMF			
2005-08	GTE	X56DMF			
GREAT WALL					
2011	C1	XDIN44MF			
2011	VX1	XDIN44MF			
2009	SA22	X55D23DMF	55D23DMF	EN55D23RMF	
2010	V2	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2009	V24	X55D23CMF	55D23CMF	EN55D23LMF	
2010	X2 2.0 DIESEL	XN50ZZMF	N50ZZMF	ENS70MF	
2010	X24	XN50ZZMF	N50ZZMF	ENS70MF	
HAVAL					
2015-ON	H2 CONVENTIONAL	X55D23CMF	55D23CMF	EN55D23LMF	
2015-ON	H6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-ON	H8	XDIN77HMF			
2015-ON	H9	XN50ZZLMF	N50ZZLMF	ENS70LMF	
HOLDEN					
1999-ON	ACCLAIM	X56CMF	54CMF		
2004-ON	ADVENTRA AWD - WAGON - VY, VZ	X56CMF	54CMF		
1985-94	BARINA - MB, ML, MF, MH	X40CMF	40CMF	ENS40ZALMF	
1994-01	BARINA - SB	XDIN55MF	DIN55MF	EN55MF	
2001-05	BARINA - XC	XDIN66MF	DIN66MF	EN66MF	
2005-11	BARINA - TK	X56DMF			
2011-2018	BARINA TM FWD	XDIN55HMF			
2011-ON	BARINA	XDIN66HMF	DIN66HMF		
2010-ON	BARINA - SPARK 1.2L, 1.25L	XDIN44HMF			
2006-11	CAPTIVA - PETROL	XDIN66HDMF			
2007-11	CAPTIVA - DIESEL	XDIN77HMF			
2011-ON	CAPTIVA - PETROL SERIES II 4CYL	XDIN55HMF			
2011-ON	CAPTIVA - PETROL SERIES II 6CYL	XDIN66HDMF			
2011-ON	CAPTIVA - DIESEL SERIES II	XDIN88HMF			
2014-ON	CAPTIVA PETROL	XDIN66HDMF			
2011-2018	CAPTIVA CG 3.0 AWD	XDIN66HMF	DIN66HMF		
2011-2018	CAPTIVA CG 2.4 AWD FWD	XDIN55HMF			
2008-12	COLORADO RC - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2008-12	COLORADO RC - PETROL	XN50ZZMF	N50ZZMF	ENS70MF	
2012-ON	COLORADO RG - DIESEL	XDIN88HMF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2013-ON	COMMODORE - VF	XDIN66HMF	DIN66HMF		
2006-13	COMMODORE - VE V6 SEDAN, SPORTSWAGON, STATESMAN (IN BOOT)	XDIN66HMF	DIN66HMF		
2006-13	COMMODORE - VE V8 SEDAN, SPORTSWAGON, STATESMAN (IN BOOT)	XDIN66HMF	DIN66HMF		
2007-13	COMMODORE - VE V6 UTE (BEHIND PASSENGER SEAT)	XDIN66HMF	DIN66HMF		
2007-13	COMMODORE - VE V8 SS UTE	XDIN66HMF	DIN66HMF		
2002-06	CRUZE AWD (JAPAN)	X40CPMF	40CPMF	ENS40ZALMF	
2009-11	CRUZE - PETROL	XDIN55MF	DIN55MF	EN55MF	
2009-11	CRUZE - DIESEL	XDIN66MF	DIN66MF	EN66MF	
2011-ON	CRUZE - PETROL	XDIN66HMF	DIN66HMF		
2011-ON	CRUZE - DIESEL	XDIN77HMF			
2007-11	EPICA - PETROL	X56DMF			
2007-11	EPICA - DIESEL	XDIN77HMF			
2017-ON	EQUINOX	XDIN55HMF			
1999-03	FRONTERA - V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1998-04	JACKAROO - PETROL	XN50ZZMF	N50ZZMF	ENS70MF	
2000-ON	JACKAROO TURBO DIESEL	X55D23DMF	55D23DMF	EN55D23RMF	
2013-ON	MALIBU DIESEL	XDIN88HMF			
2013-ON	MALIBU PETROL	XDIN66HMF	DIN66HMF		
2001-ON	MONARO - CV8, CV8-R	X56CMF	54CMF		
2005-08	RODEO - PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2003-05	RODEO - PETROL	X55D23DMF	55D23DMF	EN55D23RMF	
2003-ON	RODEO - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1981-03	RODEO - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	SINTRA	XDIN55MF	DIN55MF	EN55MF	
1998-ON	SUBURBAN 15 - LS, LT	X78DT-60MF			
1998-ON	SUBURBAN 25 - LS, LT	X56CMF	54CMF		
2005	TIGRA	XDIN66MF	DIN66MF	EN66MF	
2016-ON	TRAILBLAZER	XDIN88HMF			
2013-ON	TRAX TJ 1.8 PETROL	XDIN66HMF	DIN66HMF		
2014-ON	TRAX TJ 1.4 PETROL	XDIN66HMF	DIN66HMF		
2003-ON	VECTRA - 3.2L V6	XDIN55MF	DIN55MF	EN55MF	
1999-ON	VECTRA - 2.5L V6	XDIN66MF	DIN66MF	EN66MF	
1999-ON	VECTRA - 4CYL	XDIN66MF	DIN66MF	EN66MF	
2005-ON	VIVA	X56DMF			
2001-ON	ZAFIRA - MPV	XDIN66MF	DIN66MF	EN66MF	
HOLDEN HSV					
2011-ON	CLUBSPORT, MALOO, SENTOR, XU6	XDIN66HMF	DIN66HMF		
2006-07	GRANGE LS2, LS3	XDIN66HMF	DIN66HMF		
2006-08	GTS LS2	XDIN66HMF	DIN66HMF		
2005-06	SV6	X56CMF	54CMF		
2002-05	GTO	X56CMF	54CMF		
HONDA					
2002-ON	ACCORD - EURO (JAPAN)	X60CMF	60CMF		
2000-02	ACCORD - EURO (JAPAN)	X55D23CMF	55D23CMF	EN55D23LMF	
2008-ON	ACCORD - 3.5L V6	XN50ZZMF	N50ZZMF	ENS70MF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
HONDA (CONTINUED)					
2003-08	ACCORD - V6	X55D23CMF	55D23CMF	EN55D23LMF	
1997-03	ACCORD - V6	XN50ZZMF	N50ZZMF	ENS70MF	
2008-ON	ACCORD - 2.4L VTI	X60CMF	60CMF		
1993-03	ACCORD - 4CYL	X55D23CMF	55D23CMF	EN55D23LMF	
2009-ON	CITY	X40CPMF	40CPMF	ENS40ZALMF	
1986-94	CITY	X60DMF	60DMF	ENS60ZMF	
2004-ON	CIVIC - HYBRID	X40CPMF	40CPMF	ENS40ZALMF	
2012-ON	CIVIC - 4DR HATCH (GREAT BRITAIN)	XDIN66HMF	DIN66HMF		
2006-ON	CIVIC	X60DMF	60DMF	ENS60ZMF	
2000-05	CIVIC	X60CMF	60CMF		
1985-05	CIVIC	X60DMF	60DMF	ENS60ZMF	
2002-ON	CR-V	X60CMF	60CMF		
1995-01	CR-V	X60DMF	60DMF	ENS60ZMF	
2017-ON	CR-V FWD	X60CMF	60CMF		
2014-ON	CR-V DIESEL	XDIN66MF	DIN66MF	EN66MF	
2011-ON	CR-Z	X40CPMF	40CPMF	ENS40ZALMF	
2001-07	INTEGRA	X60CMF	60CMF		
1994-01	INTEGRA	X60DMF	60DMF	ENS60ZMF	
2010-2014	INSIGHT	X40CPMF	40CPMF	ENS40ZALMF	
2003-ON	JAZZ	X40CPMF	40CPMF	ENS40ZALMF	
1991-07	LEGEND - 4DR AND COUPE	XN50ZZMF	N50ZZMF	ENS70MF	
2003-06	MDX, MDX 4X4	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1995-05	NSX - MT AND AT	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2000-14	ODYSSEY - L4	X60CMF	60CMF		
2000-ON	ODYSSEY - V6	X55D23DMF	55D23DMF	EN55D23RMF	
2007-2009	ODYSSEY PETROL	X60CMF	60CMF		
1998-02	PRELUDE - BB6	XN50ZZMF	N50ZZMF	ENS70MF	
1997-02	PRELUDE - BB5	X60CMF	60CMF		
1991-ON	PRELUDE - VTIR	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1999-ON	S2000	X60CMF	60CMF		
1998-ON	SHUTTLE	X60DMF	60CMF		
HUMMER					
1997-98	MOST MODELS	X78DT-60MF			
2003-ON	H2 LUXURY SUV	XN50ZZMF	N50ZZMF	ENS70MF	
2007-ON	H3, H3 ADVENTURE, H3 LUXURY	X56DMF			
HYUNDAI					
2006-ON	ACCENT	X56CMF	54CMF		
2011-ON	ACCENT	X50D20LMF			
2011-2019	ACCENT FWD SEDAN	XDIN44MF			
2011-2019	ACCENT FWD HATCHBACK	X50D20LMF			
2011-ON	RB ACCENT DIESEL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2000-05	ELANTRA	X56CMF	54CMF		
2012-ON	ELANTRA	XDIN66HMF	DIN66HMF		
2002-ON	GETZ	XDIN44MF			
2006-ON	GRANDEUR - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1999-03	GRANDEUR	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	GRANDEUR	XN50ZZLMF	N50ZZLMF	ENS70LMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
1999-03	GRANDEUR XG	X56DMF			
2007-2012	H1/STAREX	XN70ZZMF	N70ZZMF	EN70ZZMF	
2010-ON	I20	X50D20LMF			
2012-ON	I30 - HATCH ACTIVE/ELITE/ PREMIUM 1.8 LTR. DIESEL	XDIN66HMF	DIN66HMF		
2012-2017	I30 - HATCH ACTIVE/ELITE/ PREMIUM 1.8 LTR. PETROL	XDIN66HMF	DIN66HMF		
2007-11	I30	X56CMF	54CMF		
2008-11	I30 - DIESEL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2009-11	I30 - CW	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	I40 1.7 TURBO DIESEL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2011-ON	I40 2.0 PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2001-ON	I45 2.4 PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2018-ON	KONA				
2008-ON	ILOAD/IMAX	XN50ZZMF	N50ZZMF	ENS70MF	
2008-ON	ILOAD/IMAX DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2001-ON	IX35 2.0 DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2001-ON	IX35 2.0 PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	IX35 2.04 PETROL	XN50ZZMF	N50ZZMF	ENS70MF	
1998-00	LANTRA - SE, GL, GLS	X56CMF	54CMF		
2011-ON	RB ACCENT	X55D23CMF	55D23CMF	EN55D23LMF	
2000-05	SANTA FE - 2.04	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2000-05	SANTA FE - 2.7 V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-ON	SANTA FE - 2.7 V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-ON	SANTA FE - 3.3 V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-ON	SANTA FE - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2007-ON	SANTA FE - V6 PETROL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2015-2018	SANTA FE CRDI 4WD AWD	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2018-ON	SANTA FE CRDI AWD	XDIN88HMF			
2000-05	SONATA - 2.04	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	SONATA - 2.04	XN50ZZMF	N50ZZMF	ENS70MF	
2005-ON	SONATA - 3.3 V6	XN50ZZMF	N50ZZMF	ENS70MF	
2000-05	SONATA - ELITE V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2008-ON	SONATA DIESEL	XN50ZZMF	N50ZZMF	ENS70MF	
2001-02	TERRACAN	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2002-07	TERRACAN	X55D23CMF	55D23CMF	EN55D23LMF	
2004-07	TERRACAN - HIGHLANDER	XN50ZZMF	N50ZZMF	ENS70MF	
2004-07	TERRACAN DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2002-ON	TIBURON - 4 CYL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2002-ON	TIBURON - V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2000-06	TRAJET	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004-ON	TUCSON 2.7 V6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004-ON	TUCSON CITY	X55D23CMF	55D23CMF	EN55D23LMF	
2015-17	TUCSON PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2012-ON	VELOSTER TURBO	XDIN44HMF			
2012-ON	VELOSTER S, VELOSTER +, VELOSTER SR TURBO	XDIN44HMF			

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
INFINITI					
2012-ON	M SEDAN V6 PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2012-ON	M SEDAN HYBRID	X55D23CMF	55D23CMF	EN55D23LMF	
ISUZU					
2008-14	D-MAX LS-U, LS-M, SX, EX, 4X2, 4X4	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2002-ON	MU-X, LS-T, LS-U, LS-X, 4X2, 4X4	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2011-ON	MU-X, LS-T, LS-U, LS-X, 4X2, 4X4	XN50ZZLMF	N50ZZLMF	ENS70LMF	
JAGUAR					
2002-05	S TYPE R	XDIN88HMF			
2011-ON	X TYPE	XDIN77MF			
2001-05	X TYPE 2.01 V6	XDIN66HMF	DIN66HMF		
2001-05	X TYPE 2.05 V6	XDIN77MF			
2001-05	X TYPE 3.0 V6	XDIN77MF			
2008-ON	XF	XDIN88HMF			
2011-ON	XF XJ	XDIN88MF	DIN88MF		
2016-ON	XF PETROL	XDIN88HMF			
2011-ON	XK	XDIN88MF	DIN88MF		
1995-ON	XK8, XKR	XDIN88MF	DIN88MF		
1997-03	XJ SOVEREIGN	XDIN88MF	DIN88MF		
1995-ON	XJ12	XDIN88MF	DIN88MF		
1995-ON	XJ6	XDIN88MF	DIN88MF		
1994-ON	XJ6, XJR, XJ12	XDIN88MF	DIN88MF		
2001-ON	XJ8 3.2, 4. SPORT	XDIN88MF	DIN88MF		
JEEP					
1994-97	CHEROKEE	X58CMF			
1997-ON	CHEROKEE	XDIN66DMF			
2003-ON	CHEROKEE 3.7L V6	XDIN55DMF			
2003-ON	CHEROKEE 4X4 CRD 2.7	XDIN88MF	DIN88MF		
1999-ON	CHEROKEE DIESEL	XDIN66DMF			
1999-ON	CHEROKEE DIESEL 2.05L	XDIN55MF	DIN55MF	EN55MF	
1999-ON	CHEROKEE SPORT	XDIN66DMF			
1999-ON	CHEROKEE SPORTS	X58CMF			
1997-01	CHEROKEE SPORTS - DIESEL	XDIN77MF			
2003-ON	CHEROKEE SPORTS - PETROL	X58CMF			
1974-85	CJ5, CJ6, CJ8, CJ1, CJ2	X56DMF			
2007-ON	COMMANDER	XDIN88HMF			
2011-ON	COMMANDER	XDIN66MF	DIN66MF	EN66MF	
2011-ON	COMCAR	XDIN66MF	DIN66MF	EN66MF	
2007-ON	COMPASS	X78DT-60MF			
1999-ON	GRAND CHEROKEE V8	XDIN88MF	DIN88MF		
1996	GRAND CHEROKEE	X58CMF			
1999-ON	GRAND CHEROKEE	XDIN77MF			
2003-ON	GRAND CHEROKEE	XDIN77MF			
2000-ON	GRAND CHEROKEE LAREDO	XDIN77MF			
2011-ON	GRAND CHEROKEE LAREDO	XDIN66MF	DIN66MF	EN66MF	
2006-ON	GRAND CHEROKEE SRT8	XDIN77MF			
2003-ON	GRAND VOYAGER	XDIN66DMF			
2007-ON	PATRIOT	X78DT-60MF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2011-ON	PATRIOT	XDIN66MF	DIN66MF	EN66MF	
2011-2017	PATRIOT FWD	X56DMF			
1999-003	WRANGLER	XDIN55DMF			
2011-ON	WRANGLER	XDIN66MF	DIN66MF	EN66MF	
2007-ON	WRANGLER SPORT V6	X78DT-60MF			
KIA					
2000-ON	CARENS	XDIN55MF	DIN55MF	EN55MF	
2006-07	CARNIVAL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1999-ON	CARNIVAL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-17	CARNIVAL PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004-09	CERATO	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	CERATO	X56CMF	54CMF		
1995-ON	CERATO	X56CMF	54CMF		
1995-ON	CERES - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-ON	CREDOS	XDIN55MF	DIN55MF	EN55MF	
2011-ON	GRAND CARNIVAL DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	GRAND CARNIVAL PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2002-2008	K2700	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2008-ON	K2900	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005	K27	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2006-ON	MAGENTIS	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2011-ON	MAGENTIS	X56CMF	54CMF		
1998-ON	MENTOR GLX, SLX	XDIN55MF	DIN55MF	EN55MF	
2001-06	OPTIMA	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006	PICANTO	X40CPMF	40CPMF	ENS40ZALMF	
2002-05	PREGIO	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2003-ON	PREGIO VAN DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2017-ON	RIO GDI FWD HATCHBACK	X40CMF	40CMF	ENS40ZALMF	
2001-ON	RIO	X56CMF	54CMF		
2000-ON	RIO 4DR SEDAN	X55D23CMF	55D23CMF	EN55D23LMF	
2012-ON	RIO	X56CMF	54CMF		
1994-ON	ROCSTA	X55D23DMF	55D23DMF	EN55D23RMF	
2008-ON	RONDO	X55D23CMF	55D23CMF	EN55D23LMF	
2000-01	SHUMA	XDIN55MF	DIN55MF	EN55MF	
2004-ON	SORRENTO	XN50ZZMF	N50ZZMF	ENS70MF	
2015-2017	SORENTO FWD	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2011-ON	SOUL	X55D23CMF	55D23CMF	EN55D23LMF	
2001-04	SPECTRA	XDIN55MF	DIN55MF	EN55MF	
1999-ON	SPORTAGE 4WD	XDIN55MF	DIN55MF	EN55MF	
2000-04	SPORTAGE 4WD	XDIN55DMF			
2000-04	SPORTAGE 4WD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2017-ON	STINGER	XDIN88HMF			
LADA					
1983-95	CABRIOLET	X56DMF			
1990-ON	CEVARO	X56DMF			
1983-93	NIVA	X56DMF			
1988-ON	SAMARA	X56DMF			
1983-95	TORO	X56DMF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
LADA (CONTINUED)					
1991-96	TAIGA	X56DMF			
1983-95	VOLANTE	X56DMF			
LAMBORGHINI					
1996-ON	DIABLO	XDIN66MF	DIN66MF	EN66MF	
2002-04	MURCIELAGO	XDIN66DMF			
LANCIA					
1974-85	BETA	XDIN55MF	DIN55MF	EN55MF	
1974-85	GAMMA	X56DMF			
1986-ON	THELMA 28 V6	XDIN55MF	DIN55MF	EN55MF	
LAND ROVER					
2003-ON	DEFENDER 110 - TD5/130	XDIN88MF	DIN88MF		
1993-ON	DEFENDER - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	DEFENDER - DIESEL	XDIN66MF (2)	DIN66MF (2)	EN66MF (2)	
1999-ON	DISCOVERY - DIESEL TD5	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	DISCOVERY SERIES 4 - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-04	FREELANDER - PETROL & DIESEL	XDIN66MF	DIN66MF	EN66MF	
2011-ON	RANGE ROVER EVOQUE	XDIN66MF	DIN66MF	EN66MF	
1990-93	RANGE ROVER - DIESEL	XN50ZZMF (2)	N50ZZMF (2)	ENS70MF (2)	
2002-05	RANGE ROVER - HSE 4.4	XDIN88MF	DIN88MF		
1984-97	RANGE ROVER - PETROL	XN50ZZMF	N50ZZMF	ENS70MF	
2011-ON	RANGE ROVER - SPORT	XN70ZZMF	N70ZZMF	EN70ZZMF	
2000-04	RANGE ROVER - VOGUE	XDIN88MF	DIN88MF		
2007-ON	RANGE ROVER - VOGUE S/C V8	XDIN88MF	DIN88MF		
LDV					
2015 - ON	G10 2.0 PETROL	XDIN66HMF	DIN66HMF		
2017-ON	T60	XDIN77HMF			
2013-2014	V80	XDIN77MF			
LEXUS					
1992-04	ES300	X55D23CMF	55D23CMF	EN55D23LMF	
2014-ON	ES350	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-ON	GS200T	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2012-ON	GS250	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1995-ON	GS300	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2012-ON	GS350	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-08	GS430	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	GS450H	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2011-ON	GS460	X55D23CMF	55D23CMF	EN55D23LMF	
1999-05	IS200	X55D23CMF	55D23CMF	EN55D23LMF	
2005-08	IS250	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2008-13	IS250	X55D23CMF	55D23CMF	EN55D23LMF	
2009-ON	IS250C	X55D23CMF	55D23CMF	EN55D23LMF	
2001-05	IS300	XN50ZZMF	N50ZZMF	ENS70MF	
2010-ON	IS350	XN50ZZMF	N50ZZMF	ENS70MF	
2008-ON	IS F	X55D23CMF	55D23CMF	EN55D23LMF	
1989-94	LS400	XDIN66MF	DIN66MF	EN66MF	
1995-ON	LS400	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2000-07	LS430	XN50ZZLMF	N50ZZLMF	ENS70LMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2007-ON	LS460	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1998-08	LX470 - WAGON	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2008-ON	LX570 - WAGON	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2015-ON	RC200T	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2017-ON	NX 300 AWD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-ON	RX200T	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2012-ON	RX270	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2003-06	RX330	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	RX350	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-ON	RX350	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	RX400H - HYBRID	X60CMF	60CMF		
2015-ON	RX450H HYBRID	X60CMF	60CMF		
2003-ON	SC430	XDIN66MF	DIN66MF	EN66MF	
LOTUS					
2000-ON	ELISE	XDIN44MF			
2004	ELISE - 111R TOURING	XDIN66MF	DIN66MF	EN66MF	
2010-ON	EXIGE	XDIN44MF			
2010-ON	EVORA	XDIN66MF	DIN66MF	EN66MF	
MAHINDRA					
2015-ON	PIKUP	XN70ZZMF	N70ZZMF	EN70ZZMF	
MASERATI					
1987-ON	ALL MODELS	X56DMF			
2003-ON	QUATTROPORTE	XDIN66MF	DIN66MF	EN66MF	
1995-00	QUATTROPORTE SEDAN	XDIN66MF	DIN66MF	EN66MF	
2001-04	SPYDER - GT, CAMBIOCORSA	XDIN55DMF			
MAZDA					
2010-ON	MAZDA 2	X40CPMF	40CPMF	ENS40ZALMF	
2002-07	MAZDA 2	X40CMF	40CMF	ENS40ZALMF	
2009-14	MAZDA 3 - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2002-12	MAZDA 6	X55D23CMF	55D23CMF	EN55D23LMF	
2008-10	MAZDA 6 SPORT - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2012-ON	MAZDA 6 2.2D TT				SSEFB-D31
1976-97	121	X40CMF	40CMF	ENS40ZALMF	
1994-ON	323 - ASTINA/PROTÉGÉ	X55D23CMF	55D23CMF	EN55D23LMF	
2005-ON	6 MPS	X55D23CMF	55D23CMF	EN55D23LMF	
1996-00	800	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1996-02	121	X40CMF	40CMF	ENS40ZALMF	
1996-06	B2500 - DIESEL BRAVO	XN70ZZMF	N70ZZMF	EN70ZZMF	
1987-ON	B2600 - PETROL BRAVO	X56DMF			
2005-06	B4000 - BRAVO	XDIN55MF	DIN55MF	EN55MF	
2005-11	BT50 - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2012-ON	BT50 - DIESEL	XDIN77MF			
2015-ON	BT50 - DIESEL	XDIN77MF			
2019-ON	BT -50 3.2 DCAB	XDIN77MF			
2011-ON	CX-5 - PETROL -ISS (EFB TYPE BATTERY RECOMMENDED...)	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	CX-5 - DIESEL 2.2L ISS (EFB TYPE BATTERY RECOMMENDED...)				SSEFB-D31

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP	
MAZDA (CONTINUED)						
2012-ON	CX-5 DIESEL 2.2DTT				SSEFB-D31	
2006-12	CX-7	X55D23CMF	55D23CMF	EN55D23LMF		
2006-12	CX-7 - DIESEL	XN50ZZLMF	N50ZZLMF	ENS70LMF		
2007-ON	CX-9	XN50ZZLMF	N50ZZLMF	ENS70LMF		
1980-06	E2000	X40CMF	40CMF	ENS40ZALMF		
2001-ON	MILLENNIA	X55D23CMF	55D23CMF	EN55D23LMF		
1997-ON	MPV	X55D23CMF	55D23CMF	EN55D23LMF		
2005-ON	MX5 - UNDER BONNET	X60CMF	60CMF			
1989-1990	MX5 1.6 CONVERTIBLE	X60CMF	60CMF			
2001-ON	PREMACY	X50D20LMF				
1993-ON	PROTEGE	X55D23CMF	55D23CMF	EN55D23LMF		
2003-ON	RX8	XN50ZZLMF	N50ZZLMF	ENS70LMF		
2000-ON	TRIBUTE	XN50ZZLMF	N50ZZLMF	ENS70LMF		
2004-ON	TRIBUTE - CLASSIC 3.0L LTD SPORT	XN50ZZMF	N50ZZMF	ENS70MF		
MERCEDES BENZ						
1998-ON	108D	XDIN66MF	DIN66MF	EN66MF		
2000-ON	180CDI - VAN	XDIN66MF	DIN66MF	EN66MF		
1998-ON	412	XDIN66MF	DIN66MF	EN66MF		
2000-ON	A140,A150	XDIN66HMF	DIN66HMF			
1999-ON	A160	XDIN66MF	DIN66MF	EN66MF		
1998-ON	A160 HATCH 1.6LTR	XDIN55MF	DIN55MF	EN55MF		
2005-ON	A170, A170CDI	XDIN66HMF	DIN66HMF			
2011-ON	A180	XDIN55MF	DIN55MF	EN55MF		
2009-ON	A180 CDI	XDIN66HMF	DIN66HMF			
1999-ON	A190	XDIN66MF	DIN66MF	EN66MF		
2007	A200	XDIN77MF				
2007	B180 CDI	XDIN88HMF				
2007	B200	XDIN66MF	DIN66MF	EN66MF		
2009-ON	B200	XDIN66HMF	DIN66HMF			
2007	B200 TURBO	XDIN77MF				
2001-2006	C220 CDI	XDIN88MF	DIN88MF			
2001-2006	C220 W203 CDI, C220 W204 CDI	XDIN88HMF				
1993-2010	C230	XDIN88HMF				
1998-ON	C250D	XDIN88MF	DIN88MF			
1994-ON	C280	XDIN66MF	DIN66MF	EN66MF		
2000-2008	C350	XDIN66HMF	DIN66HMF			
2009-ON	C320 CDI	XDIN88HMF				
1995-2000	C36,C43	XDIN88HMF				
2009-ON	C63 AMG	XDIN88HMF				
1998-ON	CL500	XDIN88MF	DIN88MF			
2009-ON	CL500	XDIN88HMF				
1998-ON	CL600	XDIN88MF	DIN88MF			
2009-ON	CLC200	XDIN66HMF	DIN66HMF			
1997-ON	CLK200	XDIN66MF	DIN66MF	EN66MF		
2000-ON	CLK200	XDIN66MF	DIN66MF	EN66MF		
1998-ON	CLK230 - COUPE	XDIN66MF	DIN66MF	EN66MF		
2004	CLK240 - ELEGANCE, AVANTGARDE	XDIN88MF	DIN88MF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
1998-ON	CLK320	XDIN55MF	DIN55MF	EN55MF	
2000-ON	CLK320	XDIN88MF	DIN88MF		
2009-ON	CLK350	XDIN88HMF			
2002	CLK500	XDIN66MF	DIN66MF	EN66MF	
1998-ON	CLK500	XDIN88MF	DIN88MF		
2006-ON	CLK63 AMG	XDIN88HMF			
2009-ON	CLS350	XDIN88HMF			
2001-ON	E200K	XDIN88MF	DIN88MF		
1996-08	E230	XDIN88MF	DIN88MF		
1998-ON	E240 - CLASSIC	XDIN88MF	DIN88MF		
2001-ON	E270	XDIN88MF	DIN88MF		
1998-ON	E280	XDIN66MF	DIN66MF	EN66MF	
2005-ON	E280	XDIN66MF	DIN66MF	EN66MF	
1997-ON	E320	XDIN88MF	DIN88MF		
2009-ON	E350	XDIN66HMF	DIN66HMF		
1998-ON	E500	XDIN88MF	DIN88MF		
2009-ON	E500	XDIN88HMF			
2001-ON	E55 AMG	XDIN88MF	DIN88MF		
2009-ON	GL320 CDI, C320 CDI, C63 AMG	XDIN88HMF			
2015-ON	GLA45 AMG	XDIN88HMF			
2002-ON	MB100 / MB140 - VAN	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2001-ON	ML - 270 - CDI, 500 LUXURY	XDIN88MF	DIN88MF		
2000-ON	ML270 - 4X4	XDIN88HMF			
1998-ON	ML320 - 4X4	XDIN88HMF			
2009-ON	ML320CDI	XDIN88HMF			
2004-ON	ML350 - 4X4	XDIN88HMF			
2009-ON	ML500	XDIN88HMF			
2009-ON	ML63 AMG	XDIN88HMF			
2009-ON	R280CDI	XDIN88HMF			
1998-ON	S280	XDIN88MF	DIN88MF		
1998-ON	S320	XDIN88MF	DIN88MF		
2000-ON	312D - SPRINTER	XDIN88MF	DIN88MF		
2009-ON	S320CDI	XDIN88HMF			
2009-ON	S350	XDIN88HMF			
1998-ON	S420	XDIN88MF	DIN88MF		
1999-06	S430	XDIN88MF	DIN88MF		
1993 ON	S500	XDIN88MF	DIN88MF		
1998-ON	S500L	XDIN88MF	DIN88MF		
1998-ON	S600	XDIN88MF	DIN88MF		
1998-ON	S600L	XDIN88MF	DIN88MF		
1993-ON	SL500	XDIN66MF	DIN66MF	EN66MF	
1998-ON	SL500	XDIN88MF	DIN88MF		
2009-ON	SL500	XDIN66HMF	DIN66HMF		
1998-ON	SL600	XDIN88MF	DIN88MF		
2009-ON	SL600	XDIN66HMF	DIN66HMF		
2001	SLK 200-230 SMALL CONVERTIBLE	XDIN88MF	DIN88MF		
1997-00	SLK200	XDIN66MF	DIN66MF	EN66MF	
2000-04	SLK200 - KOMPRESSOR	XDIN66HMF	DIN66HMF		

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
MERCEDES BENZ (CONTINUED)					
2000-ON	SLK200K	XDIN88MF	DIN88MF		
2000-ON	SLK230	XDIN88MF	DIN88MF		
1998-ON	SLK230 - SUPERCHARGED	XDIN66MF	DIN66MF	EN66MF	
2000-ON	SLK320	XDIN88MF	DIN88MF		
2000-ON	SLK320AMG	XDIN88MF	DIN88MF		
2009-ON	SLK350	XDIN66HMF	DIN66HMF		
2009-ON	SMART	XDIN44HMF			
1998-ON	SPRINTER	XDIN66MF	DIN66MF	EN66MF	
2000-06	SPRINTER CDI	XDIN88HMF			
2009-ON	VIANO	XDIN66HMF	DIN66HMF		
2002-ON	VITO 115/120	XDIN88MF	DIN88MF		
1999-04	VITO - VAN 108 CDI - DIESEL	XDIN88MF	DIN88MF		
2001-04	VITO - VAN 112 CDI - DIESEL	XDIN66MF	DIN66MF	EN66MF	
1998-ON	VITO - VAN 113	XDIN66MF	DIN66MF	EN66MF	
MG					
2001	SPORT CAR	XDIN55MF	DIN55MF	EN55MF	
2001	ZT	XDIN66MF	DIN66MF	EN66MF	
2001	ZTT WAGON	XDIN66MF	DIN66MF	EN66MF	
1998-02	MGF	XDIN55MF	DIN55MF	EN55MF	
2002-05	MG ZT	XDIN55MF	DIN55MF	EN55MF	
2002-ON	TF	XDIN55MF	DIN55MF	EN55MF	
2003-ON	ZT 23	XDIN55MF	DIN55MF	EN55MF	
MINI					
2001	COOPER (IN HOOD)	XDIN66MF	DIN66MF	EN66MF	
2001	COOPER (UNDER BONNET)	XDIN55MF	DIN55MF	EN55MF	
2004	COOPER, RAY, JCW	XDIN55MF	DIN55MF	EN55MF	
2004	COOPER CABRIO	XDIN55MF	DIN55MF	EN55MF	
2004	COOPER S	XDIN55MF	DIN55MF	EN55MF	
2002-07	COOPER S R5	XDIN66HMF	DIN66HMF		
2011-ON	CLUBMAN	XDIN66MF	DIN66MF	EN66MF	
2011-ON	COUNTRYMAN	XDIN66MF	DIN66MF	EN66MF	
2011-ON	ROADSTER, COUPE	XDIN66MF	DIN66MF	EN66MF	
2007-ON	MINI	XDIN66HMF	DIN66HMF		
MINI					
MITSUBISHI					
2005-ON	380	X55D23DMF	55D23DMF	EN55D23RMF	
2010-ON	ASX - PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2010-ON	ASX - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1999-ON	CHALLENGER	XN70ZZMF	N70ZZMF	EN70ZZMF	
2001-04	CHALLENGER - LS	XN50ZZMF	N50ZZMF	ENS70MF	
1998-09	CHALLENGER V6 - 4X4	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-ON	CHALLENGER - PA	XN50ZZMF	N50ZZMF	ENS70MF	
2001-ON	CHALLENGER, CHALLENGER - PB	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2008-ON	COLT	X40CPMF	40CPMF	ENS40ZALMF	
1991-07	COLT	X55D23CMF	55D23CMF	EN55D23LMF	
2006 ON	COLT - CABRIOLET	XDIN66HMF	DIN66HMF		
2017-ON	ECLISPE CROSS	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	FTO V6	X55D23DMF	55D23DMF	EN55D23RMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
1994-ON	GALANT	X56DMF			
1974-94	GALANT - EXCEPT HARD TOP MODEL	X43MF			
1993-ON	GALANT - HG, HH, HT	X55D23DMF	55D23DMF	EN55D23RMF	
1994-ON	GALANT GSR - 24V HJ	X55D23DMF	55D23DMF	EN55D23RMF	
2000-ON	GPX	X40CPMF	40CPMF	ENS40ZALMF	
2009-ON	GRANDIS	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2004-08	GRANDIS	X55D23DMF	55D23DMF	EN55D23RMF	
2003	GRANDIS	X43MF			
2001-ON	LANCER - STATION WAGON	X40CMF	40CMF	ENS40ZALMF	
2004	LANCER - VRX, EX, EXCEED	X40CMF	40CMF	ENS40ZALMF	
1988-07	LANCER - CA, CB, CC, CE, CG	X40CMF	40CMF	ENS40ZALMF	
2005-ON	LANCER - CH 2.4LTR, CJ	X55D23CMF	55D23CMF	EN55D23LMF	
2008-ON	LANCER EVOLUTION - IN BOOT	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004	LANCER EVOLUTION - VIII	X40CMF	40CMF	ENS40ZALMF	
2011-ON	LANCER - SX, VR	X55D23CMF	55D23CMF	EN55D23LMF	
2000-06	MAGNA	X56DMF			
1997-03	MIRAGE	X40CMF	40CMF	ENS40ZALMF	
1984-91	NIMBUS - UA, UB, UC	X40CMF	40CMF	ENS40ZALMF	
1998-04	NIMBUS - UG	X60CMF	60CMF		
2003-ON	OUTLANDER	X55D23CMF	55D23CMF	EN55D23LMF	
2012-ON	OUTLANDER - ES, LS 2WD 2.0 LTR. PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2012-ON	OUTLANDER - LS 4WD DID 2.2 LTR., ASPIRE 4WD 2.2 LTR. DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2012-ON	OUTLANDER - ES, LS, ASPIRE 4WD 2.4 LTR. PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2020-ON	PAJERO 3.2D 4WD TURBO FWD	X55D23DMF	55D23DMF	EN55D23RMF	
2019-ON	PAJERO SPORT 2.4D 4WD TURBO	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2013-ON	PAJERO - EXCEED 3.0 LTR. PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2013-ON	PAJERO - GLX, GLX-R, VRX, EXCEED 3.2 LTR. DIESEL	XN50ZZMF	N50ZZMF	ENS70MF	
2003-ON	PAJERO - 3200 DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2001-04	PAJERO - GL, GLX, GLS	X55D23CMF	55D23CMF	EN55D23LMF	
1999-ON	PAJERO - IO 1.6, 1.8	X55D23CMF	55D23CMF	EN55D23LMF	
2003-ON	PAJERO - V6	XN50ZZMF	N50ZZMF	ENS70MF	
1998-ON	PAJERO - V6 3000, 3600	X55D23DMF	55D23DMF	EN55D23RMF	
2007	PAJERO - LWB	X55D23CMF	55D23CMF	EN55D23LMF	
1997-00	PAJERO - PETROL	X55D23DMF	55D23DMF	EN55D23RMF	
2015-ON	PAJERO SPORT	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2000-05	ROSA BUS	X55D23DMF	55D23DMF	EN55D23RMF	
2000-ON	SKYLINE R33	X40CPMF	40CPMF	ENS40ZALMF	
1982-87	STARION	X56DMF			
2001-ON	STARWAGON - MPV GL, GLX	X60DPMF	60DPMF		
1986-05	STARWAGON - 2.0, 2.4LTR	X40CMF	40CMF	ENS40ZALMF	
2001-ON	TRITON	XN70ZZMF	N70ZZMF	EN70ZZMF	
2019-ON	TRITON 2.4 SINGLE CAB	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2019-ON	TRITON 2.4D RWD	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2003-ON	TRITON - GL 3.0	XN50ZZMF	N50ZZMF	ENS70MF	
2013-ON	TRITON - 4X2 GL 2.4 LTR. PETROL	X55D23CMF	55D23CMF	EN55D23LMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
MITSUBISHI (CONTINUED)					
2013-ON	TRITON - 4X2 GLX 2.5 LTR. DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2013-ON	TRITON - 4X4 GLX, GL-R, GLX-R 2.5 LTR. DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1971-78	VALIANT, CHRYSLER	X56CMF	54CMF		
2004-ON	VERADA	X55D23DMF	55D23DMF	EN55D23RMF	
1991-03	VERADA	X56DMF			
NISSAN					
2000-ON	200SX - SPEC S/R	X60DPMF	60DPMF		
1967-ON	300C	XN50ZZMF	N50ZZMF	ENS70MF	
1983-00	300ZX	XN50ZZMF	N50ZZMF	ENS70MF	
2003-ON	350Z	X55D23DMF	55D23DMF	EN55D23RMF	
2009-ON	370Z, 370Z - ROADSTER	X55D23CMF	55D23CMF	EN55D23LMF	
2008-ON	ALMERA	XDIN55MF	DIN55MF	EN55MF	
2012-ON	ALTIMA	X55D23CMF	55D23CMF	EN55D23LMF	
1994-ON	BLUEBIRD - SSS	X55D23CMF	55D23CMF	EN55D23LMF	
2000-ON	CUBE	X40CPMF	40CPMF	ENS40ZALMF	
2007-ON	DUALIS, DUALIS + 2	XDIN66HMF	DIN66HMF		
2009-ON	GT-R	X60CMF	60CMF		
2012-ON	LEAF	X60CMF	60CMF		
2002-ON	MAXIMA	X55D23CMF	55D23CMF	EN55D23LMF	
2005-09	MURANO	X55D23DMF	55D23DMF	EN55D23RMF	
2009-ON	MURANO	X55D23CMF	55D23CMF	EN55D23LMF	
1985-01	NAVARA - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2001-05	NAVARA - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005-11	NAVARA - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1996-03	NAVARA - DUAL CAB, UTE PETROL	X56DMF			
2005-ON	NAVARA - PETROL	XDIN66HMF	DIN66HMF		
2004	NAVARA - ST-R 4X4 DOUBLE CAB	XN50ZZMF	N50ZZMF	ENS70MF	
1986-02	NAVARA - PETROL	X56DMF			
2003-ON	NAVARA - PETROL	X55D23DMF	55D23DMF	EN55D23RMF	
2012-ON	NAVARA - DIESEL D4 DUAL CAB	XDIN88MF	DIN88MF		
2012-ON	PATHFINDER	XDIN88MF	DIN88MF		
2006	PATHFINDER	XDIN66MF	DIN66MF	EN66MF	
1987-05	PATHFINDER	X55D23DMF	55D23DMF	EN55D23RMF	
1998-ON	PATHFINDER	XN50ZZMF	N50ZZMF	ENS70MF	
2005-ON	PATHFINDER - ST-L - DIESEL	XDIN66HMF	DIN66HMF		
2005-ON	PATHFINDER - V6	XDIN66MF	DIN66MF	EN66MF	
2013-ON	PATROL - Y62	XN70ZZMF	N70ZZMF	EN70ZZMF	
2003-ON	PATROL - 4.6I ST-6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1989-07	PATROL - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2001-03	PATROL - DX, ST, TI	XN70ZZMF	N70ZZMF	EN70ZZMF	
1999-ON	PATROL - PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2003-ON	PATROL - ST 4.2 INTERCOOLER, 3.0 DI ST-L	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2003-ON	PATROL - ST V6	X55D23DMF	55D23DMF	EN55D23RMF	
2000-ON	PATROL - Y61 - 4X4 TURBO WAGON, DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1989-92	PINTARA	X56CMF	54CMF		
1993-ON	PULSAR	X40CPMF	40CPMF	ENS40ZALMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2000-03	PULSAR - N16 1.8 ST HATCHBACK	XDIN55MF	DIN55MF	EN55MF	
1997-00	PULSAR - PLUS SEDAN	X40CPMF	40CPMF	ENS40ZALMF	
2000-06	PULSAR - SEDAN	X40CPMF	40CPMF	ENS40ZALMF	
1998-ON	PULSAR - SSS 5 DOOR	X55D23CMF	55D23CMF	EN55D23LMF	
2014-ON	QASHQAI PETROL 2.0I	XDIN66HMF	DIN66HMF		
2000-ON	SKYLINE - COUPE	X60CPMF	60CPMF	ENS60ZLMF	
1990-93	SKYLINE - R32	X40CPMF	40CPMF	ENS40ZALMF	
1993-98	SKYLINE - R33 - BOOT MOUNTED	X40CPMF	40CPMF	ENS40ZALMF	
1995-98	SKYLINE- GTR R33 AWD	X40CPMF	40CPMF	ENS40ZALMF	
1998-ON	SKYLINE- R34	X60DPMF	60DPMF		
2005-06	TIIDA	X60CMF	60CMF		
2006-ON	TIIDA	X60CPMF	60CPMF	ENS60ZLMF	
1981-95	URVAN - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1981-95	URVAN - PETROL	X56DMF			
1981-95	VANETTE	X40CMF	40CMF	ENS40ZALMF	
2009-ON	X TRAIL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2001	X-TRAIL	X56CMF	54CMF		
2002-03	X-TRAIL - ST, TI, TIL	X56CMF	54CMF		
2004	X-TRAIL - ST-X	X55D23CMF	55D23CMF	EN55D23LMF	
2002-ON	XT-X TRAIL 4X4 T3 WAGON	X55D23CMF	55D23CMF	EN55D23LMF	
OPEL					
2012-ON	CORSA	XDIN66MF	DIN66MF	EN66MF	
2012-ON	ASTRA PETROL	XDIN66MF	DIN66MF	EN66MF	
2012-ON	ASTRA DIESEL	XDIN66HMF	DIN66HMF		
2012-ON	INSIGNIA DIESEL	XDIN77MF			
2012-ON	INSIGNIA PETROL	XDIN66MF	DIN66MF	EN66MF	
2012-ON	CORSA 1.4 LTR. AUTO	XDIN66MF	DIN66MF	EN66MF	
2012-ON	ASTRA HATCHBACK 1.4 LTR. VVT TURBO PETROL	XDIN66MF	DIN66MF	EN66MF	
2012-ON	ASTRA SPORTS TOURER 2.0 LTR. CDTI TURBO DIESEL	XDIN88MF	DIN88MF		
2012-ON	ASTRA GTC 2.0 LTR. PETROL MANUAL OPC	XDIN66MF	DIN66MF	EN66MF	
2012-ON	INSIGNIA 2.0 LTR. PETROL AUTO / ACTIVE SELECT	XDIN66MF	DIN66MF	EN66MF	
2012-ON	INSIGNIA 2.08 LTR. PETROL AUTO OPC	XDIN66MF	DIN66MF	EN66MF	
PEUGEOT					
2007-ON	207	XDIN55MF	DIN55MF	EN55MF	
2001-ON	207, 207 CC	XDIN66MF	DIN66MF	EN66MF	
2012-ON	208 1.2 LTR., 1.6 LTR.	XDIN44MF			
2000	306	XDIN55MF	DIN55MF	EN55MF	
2008-ON	308, 308 CC	XDIN66HMF	DIN66HMF		
2004-ON	407	XDIN55MF	DIN55MF	EN55MF	
2001-ON	407	XDIN66MF	DIN66MF	EN66MF	
2012-ON	408	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1999-01	206 PETROL & DIESEL	XDIN55MF	DIN55MF	EN55MF	
2001-ON	206 PETROL & DIESEL	XDIN66HMF	DIN66HMF		
1998-00	306 - CABRIOLET, GT16, GT16	XDIN55MF	DIN55MF	EN55MF	
1997-00	306 - XRDT, XSI, XT	XDIN55MF	DIN55MF	EN55MF	

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
PEUGEOT (CONTINUED)					
2001-ON	306 - XT HDI, 2.0 RALLYE, XSI	XDIN44MF			
2000	306 DIESEL	XDIN55MF	DIN55MF	EN55MF	
2001-ON	307 - XS, XS HDI, XSE, XSI	XDIN55MF	DIN55MF	EN55MF	
2001-ON	406 - COUPE, ST HDI SEDAN, STN WAGON	XDIN55MF	DIN55MF	EN55MF	
1996-01	406 - STDT, WAGON, SV, SV WAGON	XDIN66MF	DIN66MF	EN66MF	
2005-ON	407 HDI	XDIN55MF	DIN55MF	EN55MF	
2006-ON	407 HDI V6	XDIN66HMF	DIN66HMF		
2001-ON	508	XDIN66HMF	DIN66HMF		
2009-ON	5008	XDIN66HMF	DIN66HMF		
2011-ON	3008	XDIN66MF	DIN66MF	EN66MF	
2011-ON	4007	XDIN66MF	DIN66MF	EN66MF	
2011-ON	RCZ	XDIN66MF	DIN66MF	EN66MF	
2011-ON	PARTNER	XDIN66MF	DIN66MF	EN66MF	
2011-ON	EXPERT	XDIN66MF	DIN66MF	EN66MF	
2001-ON	607 - 2.2, 3.0	XDIN66MF	DIN66MF	EN66MF	
PORSCHE					
2003-ON	110 - 4WD	XDIN88HMF			
2005-ON	911	XDIN77MF			
2001-04	911 - CARRERA, CARRERA S, CABRIOLET	XDIN66MF	DIN66MF	EN66MF	
2001-ON	911 - GT2	XDIN88MF	DIN88MF		
2000-04	BOXSTER - 986	XDIN66MF	DIN66MF	EN66MF	
2005-09	BOXSTER - 987	XDIN55MF	DIN55MF	EN55MF	
2003-ON	CAYENNE	XDIN88MF	DIN88MF		
2011-ON	CAYENNE	XDIN77MF			
2011-ON	CAYMAN	XDIN55DMF			
2009-ON	PANAMERA	XDIN77MF			
PROTON					
1995-ON	ALL MODELS	X55D23CMF	55D23CMF	EN55D23LMF	
2004-ON	GEN 2	XDIN55DMF			
2003-ON	JUMBUCK	X55D23CMF	55D23CMF	EN55D23LMF	
1997-ON	M21 2 DOOR COUPE	X55D23CMF	55D23CMF	EN55D23LMF	
1997-ON	M21 COUPE	X56DMF			
1997-ON	PERSONA	X55D23CMF	55D23CMF	EN55D23LMF	
1997-ON	SATRIA GL	X56DMF			
2006	SAVVY	X60CMF	60CMF		
2011-ON	S16	X55D23CMF	55D23CMF	EN55D23LMF	
1995-97	WIRA	X56DMF			
2002-ON	WAJA	X55D23DMF	55D23DMF	EN55D23RMF	
RENAULT					
1996-ON	19	XDIN44MF			
2001-ON	CLIO	XDIN55MF	DIN55MF	EN55MF	
2005-ON	CLIO II	XDIN44MF			
2005-ON	CLIO III	XDIN55MF	DIN55MF	EN55MF	
2013-ON	CLIO	XDIN66HMF	DIN66HMF		
2001-ON	FLUENCE	XDIN66HMF	DIN66HMF		
2004-ON	KANGOO	XDIN66MF	DIN66MF	EN66MF	
2004-ON	KANGOO K9K, II	XDIN66HMF	DIN66HMF		



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2005-ON	KOLEOS PETROL/DIESEL	XDIN66HMF	DIN66HMF		
2002-04	LAGUNA	XDIN55MF	DIN55MF	EN55MF	
2006-ON	LAGUNA 2.02 DCI DIESEL	XDIN66MF	DIN66MF	EN66MF	
2005-ON	LAGUNA II 2.0	XDIN55MF	DIN55MF	EN55MF	
2001-ON	LAGUNA II PH II DIESEL	XDIN77HMF			
2005-ON	LAGUNA II V6	XDIN66MF	DIN66MF	EN66MF	
2005-ON	LAGUNA III DEISEL	XDIN77HMF			
2005-ON	LAGUNA III PETROL	XDIN66HMF	DIN66HMF		
2001-ON	LATITUDE DIESEL	XDIN77HMF			
2001-ON	LATITUDE PETROL	XDIN88HMF			
2001-ON	LUGUNA / ESTATE	XDIN55MF	DIN55MF	EN55MF	
2006-ON	MAGANE AUTO	XDIN66MF	DIN66MF	EN66MF	
2004-ON	MASTER	XDIN88HMF			
2011-ON	MASTER II	XDIN88HMF			
2001-ON	MEGANE	XDIN66MF	DIN66MF	EN66MF	
2003	MEGANE	XDIN55MF	DIN55MF	EN55MF	
2004	MEGANE - COUPE	XDIN44MF			
2005-ON	MEGANE I CABRIO	XDIN55MF	DIN55MF	EN55MF	
2005-ON	MEGANE II AUTOMATIC	XDIN66MF	DIN66MF	EN66MF	
2001-ON	MEGANE II DIESEL	XDIN66HMF	DIN66HMF		
2005-ON	MEGANE II MANUAL	XDIN44MF			
2005-ON	MEGANE II SPORT	XDIN55MF	DIN55MF	EN55MF	
2001-ON	MEGANE III	XDIN66HMF	DIN66HMF		
2001-ON	MEGANE III RS25	XDIN66HMF	DIN66HMF		
2005-ON	MEGANE RS 175 DIESEL	XDIN66HMF	DIN66HMF		
2001	MEGANE SPORTS	XDIN55MF	DIN55MF	EN55MF	
2001-04	PRIVILEGE	XDIN55MF	DIN55MF	EN55MF	
2001-04	SCENIC	XDIN55MF	DIN55MF	EN55MF	
2005-ON	SCENIC	XDIN66MF	DIN66MF	EN66MF	
2005-ON	SCENIC I	XDIN55MF	DIN55MF	EN55MF	
2005-ON	SCENIC II AUTOMATIC	XDIN66MF	DIN66MF	EN66MF	
2005-ON	SCENIC II MANUAL	XDIN44MF			
2011-ON	TRAFFIC II	XDIN77MF			
2004-ON	TRAFFIC	XDIN66MF	DIN66MF	EN66MF	
2011-ON	TRAFFIC M9R	XDIN88HMF			
ROLLS ROYCE					
1955-86	MOST MODELS	XN70ZZMF	N70ZZMF	EN70ZZMF	
1986-ON	MOST MODELS	XN50ZZMF	N50ZZMF	ENS70MF	
SAAB					
1998-ON	93	XDIN55MF	DIN55MF	EN55MF	
2001-ON	95	XDIN66MF	DIN66MF	EN66MF	
1979-93	900	XDIN55MF	DIN55MF	EN55MF	
1987-97	9000	XDIN55MF	DIN55MF	EN55MF	
1997-4	9-3	XDIN55MF	DIN55MF	EN55MF	
1998-4	9/5/212	XDIN55MF	DIN55MF	EN55MF	
1992-ON	9000 - V6, CSE	XDIN66MF	DIN66MF	EN66MF	
2001-ON	9-3 AERO	XDIN66MF	DIN66MF	EN66MF	
2004-ON	9-3 CONVERTIBLE	XDIN55MF	DIN55MF	EN55MF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
SAAB (CONTINUED)					
1999-ON	9-3 SOFT TOP	XDIN66MF	DIN66MF	EN66MF	
2004-ON	9-3 SPORT COMBI	XDIN55MF	DIN55MF	EN55MF	
2004-ON	9-3 SPORT SEDAN	XDIN55MF	DIN55MF	EN55MF	
2001-ON	9-5 S, SE, AERO	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1998-ON	9-5 SE	XDIN66MF	DIN66MF	EN66MF	
2000-ON	9-5 SERIES (CLIPS TO TOP EDGE OF BATTERY)	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004	9-5 SPORT SEDAN	XDIN66MF	DIN66MF	EN66MF	
2004-ON	9-5 SPORT ESTATE	XDIN66MF	DIN66MF	EN66MF	
1984-92	ALL OTHER MODELS	X56DMF			
SEAT					
1995-ON	ALL MODELS	XDIN66MF	DIN66MF	EN66MF	
1997-98	CORDOBA	XDIN66MF	DIN66MF	EN66MF	
1994-ON	CORDOBA DIESEL	XDIN55MF	DIN55MF	EN55MF	
1994-ON	CORDOBA PETROL	XDIN55MF	DIN55MF	EN55MF	
1994-ON	IBIZA - 1.2, 1.5	XDIN55DMF			
1994-ON	IBIZA - 1.6, 1.8	XDIN66MF	DIN66MF	EN66MF	
1994-ON	TOLEDO DIESEL	XDIN66MF	DIN66MF	EN66MF	
1994-ON	TOLEDO PETROL	XDIN55MF	DIN55MF	EN55MF	
SKODA					
2011-ON	FAVIA	XDIN55MF	DIN55MF	EN55MF	
2007-ON	OCTAVIA	XDIN66HMF	DIN66HMF		
2007-ON	OCTAVIA TDI	XDIN66HMF	DIN66HMF		
2012-ON	RAPID	XDIN44MF			
2007-ON	ROOMSTER	XDIN66HMF	DIN66HMF		
2011-ON	SUPERB	XDIN66HMF	DIN66HMF		
2011-ON	YETI	XDIN66HMF	DIN66HMF		
SSANGYONG					
2011-ON	ACTYON	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005	CHAIRMAN	XDIN88HMF			
2005	KORRANDO	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-ON	KORRANDO	X56DMF			
2005	KYRON	XN70ZZMF	N70ZZMF	EN70ZZMF	
1996-97	MUSSO	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005	MUSSO SPORT	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005	REXTON	XN70ZZMF	N70ZZMF	EN70ZZMF	
2011-ON	REXTON II	XN70ZZMF	N70ZZMF	EN70ZZMF	
2005	STAVIC	XN70ZZMF	N70ZZMF	EN70ZZMF	
SUBARU					
2012-ON	BRZ	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	EXIGA	X55D23CMF	55D23CMF	EN55D23LMF	
2008-2018	FORESTER 2.0 D AWD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1997-ON	FORESTER, X, XS, XT, GT	X55D23CMF	55D23CMF	EN55D23LMF	
2000-ON	HERITAGE	X40CPMF	40CPMF	ENS40ZALMF	
2010-ON	IMPREZA	X60CPMF	60CPMF	ENS60ZLMF	
1993-ON	IMPREZA - GX	X40CPMF	40CPMF	ENS40ZALMF	
2001-ON	IMPREZA - R, RS, RX	X60DPMF	60DPMF		
2003-09	IMPREZA - WRX, STI	X55D23CMF	55D23CMF	EN55D23LMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
1993-02	IMPREZA - WRX, STI	X40CPMF	40CPMF	ENS40ZALMF	
2008-ON	LEGACY	X55D23CMF	55D23CMF	EN55D23LMF	
2016-ON	LEVORG	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	LIBERTY	X55D23CMF	55D23CMF	EN55D23LMF	
1995-03	LIBERTY	X40CPMF	40CPMF	ENS40ZALMF	
2003-ON	LIBERTY	X55D23CMF	55D23CMF	EN55D23LMF	
2004-ON	LIBERTY - 2.0I, 2.5I, 2.5I SAFETY	X40CPMF	40CPMF	ENS40ZALMF	
2004-ON	LIBERTY - GT, 3.0 R, 3.0 R-B	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	LIBERTY - 3.6	X55D23DMF	55D23DMF	EN55D23RMF	
2001-03	LIBERTY - B4	X40CPMF	40CPMF	ENS40ZALMF	
2004-ON	LIBERTY - GT, 3.0 R, 3.0 R-B	X55D23CMF	55D23CMF	EN55D23LMF	
2004-ON	OUTBACK - 3.0L	X55D23DMF	55D23DMF	EN55D23RMF	
2010-ON	OUTBACK - 4 CYL	X40CPMF	40CPMF	ENS40ZALMF	
2004-09	OUTBACK - 2.5I, 2.5I PREMIUM	X60CMF	60CMF		
1996-01	OUTBACK - 4WD, LTD	X40CPMF	40CPMF	ENS40ZALMF	
2000-01	OUTBACK - 3.0L	X55D23CMF	55D23CMF	EN55D23LMF	
1997-ON	OUTBACK - 2.5L	X60CPMF	60CPMF	ENS60ZLMF	
2001-ON	TRIBECA	X55D23CMF	55D23CMF	EN55D23LMF	
2006	TRIBECA	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	XV	X55D23CMF	55D23CMF	EN55D23LMF	
2011-ON	XV 2.0I				
SUZUKI					
2009-ON	ALTO	X40CPMF	40CPMF	ENS40ZALMF	
2001-ON	APV VAN	X40CPMF	40CPMF	ENS40ZALMF	
2019-ON	BALENO FWD	X60CPMF	60CPMF	ENS60ZLMF	
1995-01	BALENO (WAGON & GTX)	X40CMF	40CMF	ENS40ZALMF	
2001-ON	CARRY	X40CPMF	40CPMF	ENS40ZALMF	
1998-ON	CINO 3 DR	X40CPMF	40CPMF	ENS40ZALMF	
2008-2018	GRAND VITARA RWD	X55D23CMF	55D23CMF	EN55D23LMF	
2008-2018	GRAND VITARA AWD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-08	GRAND VITARA (JB416)	X40CMF	40CMF	ENS40ZALMF	
2007-ON	GRAND VITARA (JB419)	X40CPMF	40CPMF	ENS40ZALMF	
2005-08	GRAND VITARA (JB42-JB627)	X55D23CMF	55D23CMF	EN55D23LMF	
2008-ON	GRAND VITARA (JB424/JB632)	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1998-05	GRAND VITARA 4-6 CYL	X55D23CMF	55D23CMF	EN55D23LMF	
2000-05	IGNIS	X40CPMF	40CPMF	ENS40ZALMF	
2000-2017	JIMMY 4WD AWD	X40DMF			
1999-05	JIMNY - JX, JLX	X40CPMF	40CPMF	ENS40ZALMF	
1998-ON	JIMNY 3DR 4WD	X40CPMF	40CPMF	ENS40ZALMF	
2019-ON	JIMNY	X60CPMF	60CPMF	ENS60ZLMF	
2000-04	LIANA	X60CPMF	60CPMF	ENS60ZLMF	
2001-ON	KAZASHI	X55D23CMF	55D23CMF	EN55D23LMF	
2013-ON	S-CROSS	XDIN44MF			
1986-93	SIERRA	X40DPMF			
2011-2017	SWIFT FWD	X60CPMF	60CPMF	ENS60ZLMF	
2017-ON	SWIFT SPORT FWD				SSAGM-55EU
2005-ON	SWIFT S5DR H/BACK	X60DPMF	60DPMF		
2007-ON	SWIFT SPORT	X60DPMF	60DPMF		

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
SUZUKI (CONTINUED)					
2001-ON	SX4	X60DPMF	60DPMF		
1995-ON	VITARA	X55D23CMF	55D23CMF	EN55D23LMF	
2000-ON	VITARA	X55D23CMF	55D23CMF	EN55D23LMF	
1997-ON	VITARA SOFT TOP	X40CPMF	40CPMF	ENS40ZALMF	
1996-ON	X9 TARGA 2DR	X40CPMF	40CPMF	ENS40ZALMF	
2001-05	XL-7	X55D23CMF	55D23CMF	EN55D23LMF	
2003	XLT	X55D23CMF	55D23CMF	EN55D23LMF	
TOYOTA					
2012-ON	86	X55D23DMF	55D23DMF	EN55D23RMF	
2002-ON	ALPHARD	X55D23CMF	55D23CMF	EN55D23LMF	
1998-2005	ALTEZZA	X60CPMF	60CPMF	ENS60ZLMF	
2003-ON	ALTISE	X55D23CMF	55D23CMF	EN55D23LMF	
2000-ON	ASCENT	X40DPMF			
2000-2017	AURION FWD	X55D23CMF	55D23CMF	EN55D23LMF	
2000-ON	AVALON - 4 MODELS	X55D23CMF	55D23CMF	EN55D23LMF	
2001-03	AVENSIS	X60CMF	60CMF		
2003-ON	AVENSIS	X55D23CMF	55D23CMF	EN55D23LMF	
2009-ON	AVENSIS - TOURER	X60CPMF	60CPMF	ENS60ZLMF	
1997-2002	CALDINA	X55D23CMF	55D23CMF	EN55D23LMF	
2011-2017	CAMRY 2.5 FWD	X55D23CMF	55D23CMF	EN55D23LMF	
2018-ON	CAMRY 3.5 FWD				SSAGM-55EU
2002-ON	CAMRY	X55D23CMF	55D23CMF	EN55D23LMF	
1993-ON	CAMRY - XV10, XV20 ETC (AUSTRALIAN)	X56CMF	54CMF		
2009-10	CAMRY - HYBRID	X55D23CMF	55D23CMF	EN55D23LMF	
1999-06	CELICA	X60CMF	60CMF		
1989-2006	CELSIOR	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2017-ON	C-HR FWD	XDIN66HMF	DIN66HMF		
2012-2018	COROLLA 1.8 FWD	X55D23CMF	55D23CMF	EN55D23LMF	
2019-ON	COROLLA 1.8 HYBRID FWD	XDIN55HMF			
2018-ON	COROLLA 2.0 FWD HATCHBACK	XDIN55HMF			
2019-ON	COROLLA 2.0 FWD SEDAN				SSAGM-55EU
2007-ON	COROLLA - LEVIN ZR	X55D23CMF	55D23CMF	EN55D23LMF	
2003-ON	COROLLA - SPORTIVO - IMPORTED	X43MF			
2004-ON	COROLLA	X60CMF	60CMF		
2001-07	COROLLA	X50D20LMF			
2000-01	COROLLA	X40CPMF	40CPMF	ENS40ZALMF	
1994-ON	CRESSIDA	X55D23CMF	55D23CMF	EN55D23LMF	
1985-2006	DYNA	X55D23DMF	55D23DMF	EN55D23RMF	
1999-05	ECHO	X60DMF	60DMF	ENS60ZMF	
2001-ON	ECHO	X40CPMF	40CPMF	ENS40ZALMF	
2011-ON	FJ CRUISER	XN50ZZMF	N50ZZMF	ENS70MF	
2015-ON	FORTUNER	XDIN66HMF	DIN66HMF		
1974-95	FOUR RUNNER - V6	XN50ZZMF	N50ZZMF	ENS70MF	
1998-00	HI ACE - DIESEL	XN50ZZMF	N50ZZMF	ENS70MF	
2000-ON	HI ACE - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-ON	HI ACE - PETROL	X55D23DMF	55D23DMF	EN55D23RMF	
2008-ON	HI LUX - V6 PETROL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2015-ON	HI LUX 2.4 D AWD RWD	XDIN66HMF	DIN66HMF		
2015-ON	HI LUX 2.7 RWD	XDIN55HMF			
2005-2015	HI LUX 2.7 RWD	X55D23CMF	55D23CMF	EN55D23LMF	
2015-ON	HI LUX 2.8 D RWD	XDIN66HMF	DIN66HMF		
2005-2015	HI LUX 3.0 D RWD	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2001-2005	HI LUX 3.4 RWD	XN70ZZMF	N70ZZMF	EN70ZZMF	
2015-2017	HI LUX 4.0 RWD	XDIN66HMF	DIN66HMF		
2001-ON	HI LUX - PETROL 4 CYL	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	HI LUX - PETROL 6 CYL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
1984-05	HI LUX - SR5 PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2005-17	HI LUX - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1984-05	HI LUX - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
1995-ON	HI LUX - DIESEL LN86R	XN50ZZMF	N50ZZMF	ENS70MF	
2004-ON	KLUGER	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2001-03	KLUGER	X55D23CMF	55D23CMF	EN55D23LMF	
2007-ON	LANDCRUISER - 200 SERIES V8 TURBO DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2001-ON	LANDCRUISER - HDJ-100R TURBO DIESEL	XN50ZZMF	N50ZZMF	ENS70MF	
1998-07	LANDCRUISER - 100 SERIES DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2000-ON	LANDCRUISER - HZJ 105 SERIES	XN70ZZMF	N70ZZMF	EN70ZZMF	
2007-2019	LAND CRUISER 4.7 V8 AWD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2015-ON	LAND CRUISER PRADO 2.8 D	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2005-2017	LAND CRUISER PRADO 4.0 V6 AWD	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2019-ON	LAND CRUISER 4.5 V8 AWD UTE	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2007-ON	LANDCRUISER - 200 SERIES PETROL	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2004	LANDCRUISER - MUSTER, LTD. EDITION	XN70ZZMF	N70ZZMF	EN70ZZMF	
1999-ON	LANDCRUISER - FZJ-105R SERIES (2 X BATTERIES 1 LEFT AND 1 RIGHT)	XN50ZZMF/ LMF	N50ZZMF/ LMF	ENS70MF/ LMF	
1998-ON	LANDCRUISER - PETROL V8	XN70ZZMF	N70ZZMF	EN70ZZMF	
1998-07	LANDCRUISER - PETROL 100 SERIES	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2001-ON	LITE-ACE CM36	XN50ZZMF	N50ZZMF	ENS70MF	
2000-ON	MR2	X60CMF	60CMF		
1987-95	MR2 - TWIN CAM	X43MF			
1983-ON	NXR - COUPE	X60CPMF	60CPMF	ENS60ZLMF	
1991-96	PASEO	X56DMF			
1997-ON	PASEO	X55D23DMF	55D23DMF	EN55D23RMF	
2004-ON	PRADO - DIESEL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2000-03	PRADO - DIESEL	XN70ZZMF	N70ZZMF	EN70ZZMF	
2004-ON	PRADO - PETROL	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
1996-03	PRADO - PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2006-ON	PREVIA	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	PRIUS	X60DPMF	60DPMF		
2012-2018	RAV 4 2.0 FWD	X55D23CMF	55D23CMF	EN55D23LMF	
2012-2018	RAV 4 2.0 4WD AWD	X60DPMF	60DPMF		
2018-ON	RAV 4 2.0 FWD	XDIN55HMF			
2012-2018	RAV 4 2.2 D 4WD AWD	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
2018-ON	RAV 4 2.5 FWD	XDIN44HMF			
2012-2018	RAV 4 2.5 4WD AWD	X55D23CMF	55D23CMF	EN55D23LMF	
2018-ON	RAV 4 2.5 AWD HYBRID	XDIN44HMF			

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
TOYOTA (CONTINUED)					
2018-ON	RAV 4 2.5 AWD	XDIN55HMF			
1996-03	RAV4	X60DMF	60DMF	ENS60ZMF	
2003-ON	RAV4	X55D23CMF	55D23CMF	EN55D23LMF	
2007-ON	RAV4 - CV6	XN50ZZLMF	N50ZZLMF	ENS70LMF	
2006-ON	RAV4 - EXTREME	X40CPMF	40CPMF	ENS40ZALMF	
2011-ON	RUKUS	X55D23CMF	55D23CMF	EN55D23LMF	
2003-ON	SOLARA	X55D23CMF	55D23CMF	EN55D23LMF	
1999-ON	SPACIA - VAN	X40CMF	40CMF	ENS40ZALMF	
2019-ON	TARAGO 2.4 FWD	X60CPMF	60CPMF	ENS60ZLMF	
2000-03	TARAGO	X60CMF	60CMF		
2003-ON	TARAGO	X55D23CMF	55D23CMF	EN55D23LMF	
2006-ON	TARAGO - GLX 2.4L	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	TARAGO - PETROL	X55D23CMF	55D23CMF	EN55D23LMF	
2001-ON	TOURER - 2.5L TWIN TURBO	X55D23CMF	55D23CMF	EN55D23LMF	
2013 -ON	TUNDRA	XN70ZZMF	N70ZZMF	EN70ZZMF	
1987-93	ULTIMA	X40CMF	40CMF	ENS40ZALMF	
2000-ON	ULTIMA COROLLA	X40CPMF	40CPMF	ENS40ZALMF	
2005-ON	YARIS	X60CMF	60CMF		
2008-ON	YARIS RS	X60CMF	60CMF		
2012-ON	86	X55D23DMF	55D23DMF	EN55D23RMF	
VOLKSWAGEN					
1999-ON	9C	XDIN55MF	DIN55MF	EN55MF	
2017-ON	ARTEON 2.0 AWD				SSAGM-66EU
2011-ON	AMAROK	XDIN88HMF			
2002-2016	BEETLE FWD	XDIN55HMF			
2000-01	BEETLE	XDIN44MF			
2001-ON	BEETLE DIESEL	XDIN66MF	DIN66MF	EN66MF	
2001-ON	BEETLE PETROL	XDIN55MF	DIN55MF	EN55MF	
2001-ON	BORA	XDIN55MF	DIN55MF	EN55MF	
2000-ON	BORA 4 & 5 CYC	XDIN66HMF	DIN66HMF		
2005-ON	CADDY TDI DIESEL	XDIN66MF	DIN66MF	EN66MF	
2007-ON	CADDY, CADDY LIFE	XDIN66MF	DIN66MF	EN66MF	
2000-02	CARAVELLE	XDIN55MF	DIN55MF	EN55MF	
2003-ON	CARAVELLE	XDIN88MF	DIN88MF		
2001-ON	CITY VAN PETROL	XDIN66MF	DIN66MF	EN66MF	
2001-ON	CITY VAN DIESEL	XDIN88MF	DIN88MF		
2001-ON	EOS	XDIN66MF	DIN66MF	EN66MF	
2011-2015	GOLF 1.4 FWD				SSAGM-66EU
2001-12	GOLF	XDIN55MF	DIN55MF	EN55MF	
2007-ON	GOLF GT	XDIN55MF	DIN55MF	EN55MF	
2005-12	GOLF GTI	XDIN77MF			
2011-ON	GOLF WAGON, CABRIOLET	XDIN66MF	DIN66MF	EN66MF	
2006-ON	JETTA DIESEL	XDIN66MF	DIN66MF	EN66MF	
2005-ON	JETTA PETROL	XDIN55MF	DIN55MF	EN55MF	
2007-ON	MULTIVAN	XDIN88MF	DIN88MF		
1997-01	PASSAT - GL, VR6, TURBO 3B	XDIN55MF	DIN55MF	EN55MF	
2001-02	PASSAT 1.8T	XDIN77MF			



MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
2006-ON	PASSAT FSI TURBO	XDIN66MF	DIN66MF	EN66MF	
2001-04	PASSAT V6	XDIN77MF			
2000-ON	PASSAT V6 1.8T, CC	XDIN66MF	DIN66MF	EN66MF	
1997-ON	POLO	XDIN55MF	DIN55MF	EN55MF	
2009-ON	POLO	XDIN66HMF	DIN66HMF		
2005-ON	POLO 1.9TDI DIESEL	XDIN66HMF	DIN66HMF		
2005-ON	TOUAREG DIESEL	XDIN88HMF			
2005-ON	TOUAREG V6	XDIN88MF	DIN88MF		
2005-ON	TOUAREG V8	XDIN77MF			
2008-ON	TIGUAN	XDIN66MF	DIN66MF	EN66MF	
2011-ON	TIGUAN	XDIN66HMF	DIN66HMF		
1997-03	TRANSPORTER	XDIN55MF	DIN55MF	EN55MF	
1997-ON	TRANSPORTER - 1.9, 2.0, 2.05	XDIN66MF	DIN66MF	EN66MF	
2012-ON	UP	XDIN66HMF	DIN66HMF		
VOLVO					
2007-ON	C30	XDIN55MF	DIN55MF	EN55MF	
2001-ON	C70	XDIN66MF	DIN66MF	EN66MF	
1996-2004	C70 COUPE	XDIN55MF	DIN55MF	EN55MF	
2006-ON	C70 COUPE	XDIN77MF			
1996-ON	C70 COUPE	XDIN77MF			
2000-ON	CROSS COUNTRY STN WAGON	XDIN66MF	DIN66MF	EN66MF	
1998-ON	S40	XDIN55MF	DIN55MF	EN55MF	
2000-ON	S40	XDIN66MF	DIN66MF	EN66MF	
2004	S40 - 2.4I, 2.4SE	XDIN55MF	DIN55MF	EN55MF	
2004-ON	S40 T5	XDIN77MF			
2015-ON	S60 2.0 FWD				SSAGM-66EU
2010-2015	S60 D FWD				SSAGM-66EU
2010-2018	S60 T5 T6 FWD				SSAGM-66EU
2001-ON	S60	XDIN66MF	DIN66MF	EN66MF	
1998-ON	S70	XDIN55MF	DIN55MF	EN55MF	
2003-ON	S80	XDIN66MF	DIN66MF	EN66MF	
1998-ON	S80 COUPE	XDIN66MF	DIN66MF	EN66MF	
2016-ON	S90 2.0 FWD				SSAGM-66EU
2016-ON	S90 2.0 D AWD				SSAGM-66EU
2000-ON	V40	XDIN66MF	DIN66MF	EN66MF	
2013-ON	V40 DIESEL 1.6DT, 2.0DT				SSAGM-66EU
2013-ON	V40 DIESEL CROSS COUNTRY 2.0DT D4, 2.0DTT				SSAGM-66EU
2013-ON	V40 PETROL 2.0T T4 LUXURY, KINETIC, R-DESIGN				SSAGM-66EU
2013-ON	V40 PETROL 2.5T CROSS COUNTRY T5				SSAGM-66EU
2001-ON	V50	XDIN66MF	DIN66MF	EN66MF	
2011-ON	V60	XDIN66MF	DIN66MF	EN66MF	
2015-ON	V60 DIESEL 2.0DTT, 2.4DTT				SSAGM-77EU
2015-ON	V60 PETROL 2.0T T5				SSAGM-66EU
1997-ON	V70	XDIN66MF	DIN66MF	EN66MF	
2008-ON	V70	XDIN55MF	DIN55MF	EN55MF	
2001-ON	V70 CROSS COUNTRY WAGON	XDIN55MF	DIN55MF	EN55MF	

MAKE	MODEL	EXTREME	ENDURANCE	ENFORCER	START/STOP
VOLVO (CONTINUED)					
1999-ON	V70 SEDAN & WAGON	XDIN55MF	DIN55MF	EN55MF	SSAGM-66EU
2017-ON	V90 II	XDIN77MF			
2017-ON	XC40				
2001-ON	XC60	XDIN88MF	DIN88MF		
2015-ON	XC60 DIESEL 2.0DTT, 2.4DTT				
2017-ON	XC60 PETROL 2.0T				
2003-09	XC70	XDIN66MF	DIN66MF	EN66MF	
2001-ON	XC70	XDIN88MF	DIN88MF		
2003-05	XC80 AWD	XDIN66MF	DIN66MF	EN66MF	
2003-ON	XC90	XDIN66MF	DIN66MF	EN66MF	
2003-ON	XC90 DIESEL	XDIN88MF	DIN88MF		
2006-ON	XC90 V8	XDIN66MF	DIN66MF	EN66MF	





EXIDE®

Batteries

Fitment Guide



Heavy Commercial Range



 **HEAVY COMMERCIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER**

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
AEC					
MARSHALL	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
MONARCH	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
MUSTANG	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
OTHER MODELS	4				ED12
ALBION					
27A	2				ED12
FT25A	2				ED12
M5	2				ED12
MLH3, MR5, MR7	2				ED12
MR7	2				ED12
OTHER MODELS	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
ATKINSON					
F487	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
AUSTIN					
18 UTE	1	X43MF			
OTHER MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
B.M.C.					
35EA	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
35EA DIESEL	2				ED12
FG	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
J4 - 18, 19, 2 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
J4 - 18, 19, 2 PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF	
JU25	1	X43MF			
LAIRD - LR95, LR116, LR18	2	31-1100MF			
LD	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
WF	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
BEDFORD					
BEDFORD/ISUZU	2	N150MFF			
C3	1	XN50ZZMF	N50ZZMF	ENS70MF	
CFL SERIES	1	X56DMF	54DMF	ENS50PLMF	
CFS	1	X56DMF	54DMF	ENS50PLMF	
D1, D3, D5 SERIES	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
HANIDVAN	1	X56DMF	54DMF	ENS50PLMF	
HAV, HRE	1	X56DMF	54DMF	ENS50PLMF	
KGLC3, KGM3, KGT3	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
MJR - 2BCO, M112	1	31-1100MF			
MK65 - MLR, TK DIESEL, TL, TM	2	31-1100MF			
RLH	1	XN50ZZMF	N50ZZMF	ENS70MF	
S3	1	XN50ZZMF	N50ZZMF	ENS70MF	
TJ3, TK3	1	XN50ZZMF	N50ZZMF	ENS70MF	
CHEVROLET					
C2	1	XN50ZZMF	N50ZZMF	ENS70MF	
C3	1	XN50ZZMF	N50ZZMF	ENS70MF	
C5	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
C6	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
KB2	1	X43MF			
LUV	1	X43MF			



 **HEAVY COMMERCIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER**

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
COMMER-KARRIER					
25 VAN	1	X56DMF	54DMF	ENS50PLMF	
8 CWT UTILITY	1	X56DMF	54DMF	ENS50PLMF	
PETROL MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
D.A.F.					
23	2	N150MFF			
252006	2	N150MFF			
28	2	N150MFF			
33	2	N150MFF			
36	2	N150MFF			
FT242006	2	N150MFF			
FTT33	2	N150MFF			
XF48	2	N94MF			
XF53, XF54	2	N200MFF			
MOST MODELS	2	N120MFF			
DAIHATSU					
1 VAN	1	X40CPMF	40CPMF	ENS40ZLMF	
16CC 4WD	1	X40CPMF	40CPMF	ENS40ZLMF	
DELTA SERIES PETROL	1	X40DPMF			
DELTA V SERIES DIESEL	2	X56DMF	54DMF	ENS50PLMF	
DELTA V SERIES TWIN CAB	1	X40CPMF	40CPMF	ENS40ZLMF	
F2 - JVN, JKBN	1	31-1100MF			
F25 - PN	1	31-1100MF			
F5	1	31-1100MF			
F55 - L, P, V24T	1	31-1100MF			
F6 - JV, JKB	1	31-1100MF			
F65P	1	31-1100MF			
HANDIVAN	1	X40CPMF	40CPMF	ENS40ZLMF	
HIJET VANS	1	X40CPMF	40CPMF	ENS40ZLMF	
ROCKY PETROL	1	X40DMF			
S6T	1	X40DPMF			
SV4 CAB VAN	1	X40DPMF			
SV6C	1	X40DPMF			
V12 - H, W, HU	2	X56DMF	54DMF	ENS50PLMF	
V24T	1	31-1100MF			
V48 - HU	2	X56DMF	54DMF	ENS50PLMF	
V57 - HS, PLUS	1	31-1100MF			
V58L	1	31-1100MF			
V76HU	1	31-1100MF			
V78 - HY, WY	1	31-1100MF			
V79 - HY, WY	1	31-1100MF			
DATSUN					
24	1	XN50ZZMF	N50ZZMF	ENS70MF	
62	1	XN50ZZMF	N50ZZMF	ENS70MF	
13	1	XN50ZZMF	N50ZZMF	ENS70MF	
15	1	XN50ZZMF	N50ZZMF	ENS70MF	
2	1	XN50ZZMF	N50ZZMF	ENS70MF	
72 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	



HEAVY COMMERCIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
DATSUN (CONTINUED)					
72 PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF	
C8 - 3 & 5 TONNE	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
CK1, CK3	2	N120MFF			
CKA45	2	N120MFF			
CM, CV	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
CW4	2	N120MFF			
CW5	2	N150MFF			
CWA45	2	N120MFF			
E2	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
TW5	2	N150MFF			
DENNIS					
MUNICIPAL RANGE PAX	2				ED12
DEUTZ					
MOST MODELS	2	N150MFF			
DIAMOND T & REO					
23 DIESEL - 1164D, C942D, C964D	2	N200MFF			
23 PETROL - P332, P5	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
C1164 - 531, 531H, 63	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DL7 GM DIESEL	2	N200MFF			
DODGE					
215	1	XN50ZZLMF	N50ZZLMF	ENS70LMF	
245 UTILITY	1	XN50ZZLMF	N50ZZLMF	ENS70LMF	
ALL PETROL MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
CANTOR - DEISEL	1	N120MFF			
CANTOR - PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF	
D3F - 6 & 8 CYL PETROL	1	X56DMF	54DMF	ENS50PLMF	
D5N 6 CYL DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
D5N 8 CYL DIESEL	1	31-1100MF			
OTHER PETROL MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DODGE FUSO					
FK12	2	XN50ZZMF	N50ZZMF	ENS70MF	
FM14	2	31-1100MF			
FM215	2	31-1100MF			
FP-FV13	1	N150MFF			
FP-FV113	2	N150MFF			
T653	2	XN50ZZMF	N50ZZMF	ENS70MF	
ERF					
OTHER MODELS	2				ED12
EUCLID					
MOST MODELS	1	N200MFF			
FIAT					
684,619,693	2	N150MFF			
81NC	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
DUCATO		XDIN88HMF			
OTHER MODELS	2	N94MF			
T-VAN	1	X56DMF	54DMF	ENS50PLMF	



 **HEAVY COMMERCIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER**

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
FORD					
CARGO - 812, 1515, 1313	1	31-1100MF			
CARGO - 1621, 2417, 2421	2	31-1100MF			
D SERIES DIESEL	1	31-1100MF			
F25 DUAL CAB	1	X65DMF			
F8	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
LN7, LN9	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
LN9, LNT9, LTL9	2	N200MFF			
LOUISEVILLE	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
LOUISEVILLE - LN7, LN8	1	N200MFF			
LOUISEVILLE 9, LNT8	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
LOUISEVILLE LN7, LN8	1	N200MFF			
SPECTRON	1	X40CPMF	40CPMF	ENS40ZLMF	
TRADER 49 DIESEL	2	XN50ZZMF	N50ZZMF	ENS70MF	
TRADER 4 CYL DIESEL 12V	1	N120MFF			
TRADER 6 CYL DIESEL 24V	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
TRANSIT VAN	2	XDIN66HMF	DIN66HMF		
TRANSIT VAN PETROL (24 VOLT) HI ROOF, LOW ROOF	2	XDIN55MF	XDIN55MF	EN55MF	
FREIGHTLINER					
ARGOSY EVOLUTION	4	31-1100MF			
C112, C12	4	31-1100MF			
COLUMBIA	4	31-1100MF			
FCL112	2	N120MFF			
FL112	3	XN70ZZMF	N70ZZMF	EN70ZZMF	
FL5, FL6, FL7, FL8	3	31-1100MF			
FLA SERIES, FLB SERIES, FLD SERIES	3	31-1100MF			
FRCL 112	2	N120MFF			
HINO					
AC, BXN, FS27, GS221, RK, RR	2	N120MFF			
BX34E	4				ED12
DUTRO	2	X55D23CMF	55D23CMF	EN55D23LMF	
FC, FD, FE, FF, FG, FM	2	XN50ZZMF	N50ZZMF	ENS70MF	
FS	2	N150MFF			
FUSO FP-FV 13	1	N150MFF			
FUSO FP-FV 113	2	N150MFF			
GD, FC, FG, FD, KL, KL3, KL3E, GH, GD, GH	2	XN50ZZMF	N50ZZMF	ENS70MF	
GS221	2	N120MFF			
HINO FB, FC, FD, FF, FG, FM	2	X55D23DMF	55D23DMF	EN55D23RMF	
HINO FS	2	N150MFF			
HINO GD, GH	2	X55D23DMF	55D23DMF	EN55D23RMF	
KL	2	XN50ZZMF	N50ZZMF	ENS70MF	
KL3, KL3E, KR36, KR36E, LB5, LB56	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
RANGER - 4, 5, 6	2	XN50ZZMF	N50ZZMF	ENS70MF	
RANGER - 7, 8, 9, 1, 14, 15	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
INTERNATIONAL					
ACCO - 135D	4				ED12
ACCO - 185G/21 LPV	2	XN50ZZMF	N50ZZMF	ENS70MF	



HEAVY COMMERCIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
INTERNATIONAL (CONTINUED)					
ACCO - 225, 235	3	XN70ZZMF	N70ZZMF	EN70ZZMF	
ACCO - A CUMMINS ENGINE	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
ACCO -A CUMMINS ENGINE, 372 EAGLE	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
ACCO ALL MODELS 185 TO 20065, 20067	2 TO 4	XN70ZZMF	N70ZZMF	EN70ZZMF	
N163, N165	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
S LINE 20067, T LINE, TF LINE	3 OR 4	XN70ZZMF	N70ZZMF	EN70ZZMF	
S36	2 OR 4	XN70ZZMF	N70ZZMF	EN70ZZMF	
SCOUT - TERRA, TRAVELLER, TRAVELLTOP	1	X56DMF	54DMF	ENS50PLMF	
TF LINE	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
TK LINE	3	XN70ZZMF	N70ZZMF	EN70ZZMF	
ISUZU					
CERES DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
CVR162TR, CXG166TR, CXH16V	2	N150MFF			
CXY165, CXY385	2	N150MFF			
FRR	2	XN50ZZMF	N50ZZMF	ENS70MF	
FSR, FSS, FST	2	XN50ZZMF	N50ZZMF	ENS70MF	
FTR, FTS	2	XN50ZZMF	N50ZZMF	ENS70MF	
FTS7, FZV, NRP	2	XN50ZZMF	N50ZZMF	ENS70MF	
FUM, FUR	2	XN50ZZMF	N50ZZMF	ENS70MF	
FUM14, FUZ14, FSS5, FTR8, FTR11LTA	1	XN50ZZMF	N50ZZMF	ENS70MF	
FUR12N, FUR11N, FS65, 45, 5, FSR12HRA	1	XN50ZZMF	N50ZZMF	ENS70MF	
FUR9, FST5	1	XN50ZZMF	N50ZZMF	ENS70MF	
FVL, FVR, FVZ	2	XN50ZZMF	N50ZZMF	ENS70MF	
JCR36, 42, 5	2	XN50ZZMF	N50ZZMF	ENS70MF	
JCS42, SCR37, 48, 48B, TSD45, TWD45	2	XN50ZZMF	N50ZZMF	ENS70MF	
NKR15, 2, 25, NPR2, 3, 4	2	XN50ZZMF	N50ZZMF	ENS70MF	
SBR372, SBR422	2	XN50ZZMF	N50ZZMF	ENS70MF	
TSD, TWD	2	XN50ZZMF	N50ZZMF	ENS70MF	
IVECO					
JAN-14	2	31-1100MF			
11	2	31-1100MF			
12-11, 12-12, 12-14	2	31-1100MF			
12TA	2	31-1100MF			
13-14	2	31-1100MF			
15-14	2	31-1100MF			
18-14, 18-16	2	31-1100MF			
22T, 23T,335T,34T,435T,45T	2	31-1100MF			
23-16	2	31-1100MF			
DAILY	1	31-1100MF			
EUROCARGO 1, 15	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
EUROCARGE 16, 18, 23	2	31-1100MF			
EUROTECH - 43, 45, 47	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
ML15E23	2	31-1100MF			
ML17E27	2	N120MFF			
POWERSTAR	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
STRALIS (AUSTRALIA MADE)	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
STRALIS (IMPORTED)	2	EMFN200L			



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
Z1, Z11, Z12TA, Z22-T	2	31-1100MF			
Z23T, Z34T, Z45T	2	31-1100MF			
KENWORTH					
C5	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
K1E, K12, K14	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
L17	2	31-1100MF			
L7A, W9	3	31-1100MF			
PETERBUILT	3	31-1100MF			
T4, T44, T45, T4A, L7A	3	31-1100MF			
T6, T61, T65, C5T, K1E, T6A	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
OTHER MODELS	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
LEYLAND					
15-2 VAN	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
2 TONNE	1	31-1100MF			
BOXER	1	31-1100MF			
BUFFALO	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
CHIEFTAN	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
COMET	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
ELAND	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
FG - PETROL, 38LT DIESEL, FF9	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
HARRIER	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
MARATHON	1	31-1100MF			
MASTIFF	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
RIEVER	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
SUPER RIEVER	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
SUPERCOMET	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
TERRIER V8 DIESEL	1	31-1100MF			
M.A.N.					
BUSES MOST MODELS	2	N150MFF			
1, 14, 15, 18 SERIES	2	N120MFF			
2, 22, 2006 SERIES	2	N150MFF			
F2 SERIES	2	N94MF			
L/M 2 SERIES	2	N94MF			
OTHER TRUCK MODELS	2	N120MFF OR N150MFF			
MACK					
A TO L SERIES PETROL	2				ED12
AIR START (24VOLT)	2	31-1100MF			
B61 BATTERY START	2				ED12
CHR AIR START	1	31-1100MF			
CHR ELEC START	4	XN70ZZMF	N70ZZMF	EN70ZZMF	
CLR	1	31-1100MF			
FLEET-LINER	3	XN70ZZMF	N70ZZMF	EN70ZZMF	
G2006 MAGNUM, G2006 MAXTER/ MANAGER, GRANITE	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
MAGNUM	2	XN50ZZMF	N50ZZMF	ENS70MF	
METRO-LINER	3	XN50ZZMF	N50ZZMF	ENS70MF	
MGR - 613R, 6142R	2				ED12



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
MACK (CONTINUED)					
MIDLUM	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
ML BATTERY START	2	31-1100MF			
QANTUM	6	XN70ZZMF	N70ZZMF	EN70ZZMF	
R SERIES - R688RST R722VL	2				ED12
TITAN, SUPER ALINER	4	31-1100MF			
TRIDENT	2 OR 4	31-1100MF			
VALUE-LINER	4	31-1100MF			
MAGIRUS DEUTZ					
MOST MODELS	2	N94MF			
MAZDA					
B16	1	XN50ZZMF	N50ZZMF	ENS70MF	
B18	1	X40CMF		ENS40ZALMF	
B2	1	X40CMF		ENS40ZALMF	
B22	1	XN50ZZMF	N50ZZMF	ENS70MF	
B22 - BUS	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
E16, E13, E14	1	X40CMF		ENS40ZALMF	
E18	1	X40DPMF			
E2	1	XN50ZZMF	N50ZZMF	ENS70MF	
E22	1	XN50ZZMF	N50ZZMF	ENS70MF	
E22 DIESEL	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
E25	2	XN50ZZMF	N50ZZMF	ENS70MF	
E2006	1	XN50ZZMF	N50ZZMF	ENS70MF	
E27	1	XN50ZZMF	N50ZZMF	ENS70MF	
E27	1	N120MFF			
E3	1	N120MFF			
E38	2	XN50ZZMF	N50ZZMF	ENS70MF	
T2	1	XN50ZZMF	N50ZZMF	ENS70MF	
T3 - BUS	1	N120MFF			
T35 - BUS	1	N120MFF			
T4 (2 X BATTERIES 1 LEFT AND 1 RIGHT)	2	XN50ZZMF/LMF	N50ZZLMF		
T41	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
T46	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
MERCEDES BENZ					
5R - BUS	2	N200MFF			
51 - BUS	2	N200MFF			
217, 149, 1625, 162006, 2219, 2222, 222006	2	N150MFF			
1413, 1418, 1918, 1924, 2224	2	XDIN88HMF			
1932, 222006, 2232, 2244, 200632	2	N120MFF			
2228, 2232, 2233, 2236	2	N150MFF			
20062, 200624	2	XDIN88HMF			
200632	2	N150MFF			
2235K32	2	N120MFF			
2244 3H	2	N120MFF			
2244 3HH	2	N200MFF			
23GE	1	XDIN66MF	DIN66MF	EN66MF	
3GD	1	XDIN88HMF			
385A	2	N120MFF			



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
42, 45, 5, 56	1	XDIN88MF	DIN88MF		
58LD	2	31-1100MF			
ACTROS (MOST MODELS)	2	N150MFF OR N150MFE			
ATEGO	2	N120MFF OR N120MFE			
FLEETSTAR	2	N150MFF			
FL112	2	N120MFF			
SPRINTER & VITO SERIES	1	XDIN88MF			
SPRINTER PETROL	1	XDIN66MF	DIN66MF	EN66MF	
STIRLING HX75	2	31-1100MF			
STIRLING LT95	4	31-1100MF			
mitsubishi					
CANTER DIESEL	2	XN50ZZMF	N50ZZMF	ENS70MF	
CANTER PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF	
D5	1	X43MF			
FB, FC, FE, FP, FX,FK,FK12, FM	2	XN50ZZMF	N50ZZMF	ENS70MF	
FM14	2	31-1100MF			
FN358	2	N120MFF			
FP SERIES	2	N150MFF			
FS SERIES	2	N150MFF			
FU SERIES	2	N150MFF			
FUSO FP-FV 13	1	N150MFF			
FUSO FP-FV 113	2	N150MFF			
FV SERIES	2	XN50ZZMF	N50ZZMF	ENS70MF	
NISSAN (DATSUN)					
12	1	XN50ZZMF	N50ZZMF	ENS70MF	
24 2TONNE	1	XN50ZZMF	N50ZZMF	ENS70MF	
62 1TONNE - 72	1	XN50ZZMF	N50ZZMF	ENS70MF	
72 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
72 PETROL		X56DMF	54DMF	ENS50PLMF	
B12	1	X43MF			
CAB ALL 1 & 2 TONNE	1	XN50ZZMF	N50ZZMF	ENS70MF	
CAB STAR PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF	
CGA	2	N120MFF			
CIVILIAN BUS	1	XN50ZZMF	N50ZZMF	ENS70MF	
CK - 32, 33E	2	N150MFF			
CK1, 3, CW4, CW5	2	N150MFF			
CKA	2	N120MFF			
CLG	2	N120MFF			
CM SERIES EXCEPT CM9	2	XN50ZZMF	N50ZZMF	ENS70MF	
CM9	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
CMA	2	N120MFF			
CMA - 81F, 86F	2	XN50ZZMF	N50ZZMF	ENS70MF	
CMA - 87	2	X43MF			
CMF87	2	N120MFF			
CPB	2	N120MFF			
CPC SERIES	2	X43MF			



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
NISSAN (DATSUN) - CONTINUED					
CV SERIES	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
CW SERIES	2	N150MFF			
MK - 15, 19, 225, 235	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
NOMAD	1	X40CMF		ENS40ZALMF	
TW5	2	N150MFF			
UD SERIES DIESEL	2	N120MFF			
UD INTERCOOLER MK 235, LK235	2	XN50ZZMF	N50ZZMF	ENS70MF	
SCANIA					
MOST MODELS 6 CYL	2	N120MFF			
MOST MODELS 8 CYL	2	N150MFF			
SEDON					
13/4 PENNY BUS	1	31-1100MF			
16/4 PENNY BUS	2	31-1100MF			
77 1 TONNE	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
MKS - 4, 5, 6, 8, 15, 16	2				ED12
THORNY CROFT					
NUBIAN MAJOR	1	N200MFF			
TOYOTA					
6 SERIES DIESEL	2	N150MFF			
BJ4 DIESEL	1	XN50ZZMF	N50ZZMF	ENS70MF	
BUNDERA DIESEL	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
COASTER BUS - BB21, HB3, HZB3, BB4	1	XN50ZZMF	N50ZZMF	ENS70MF	
COASTER BUS - HZB5,	1	XN50ZZMF	N50ZZMF	ENS70MF	
COMMUTER BUS	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF	
DA115	2	XDIN88MF	DIN88MF		
DA115 6 SERIES	2	XN50ZZMF	N50ZZMF	ENS70MF	
DYNA 1 - 15	1	XN50ZZMF	N50ZZMF	ENS70MF	
DYNA 1 DIESEL AUTOMATIC	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DYNA 1 DIESEL MANUAL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DYNA 2 - BU6, 4-BU66	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DYNA 4 YU62	1	XN50ZZMF	N50ZZMF	ENS70MF	
DYNA CAB - 3, 4, 4 BU65	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
DYNA DIESEL - H1/15, SV15, 21	1	31-1100MF			
DYNA RU1 - 12, 15, 19	1	X40CMF		ENS40ZALMF	
DYNA RU2	1	X43MF			
FA115	1	X56DMF	54DMF	ENS50PLMF	
FA954	1	X56DMF	54DMF	ENS50PLMF	
FD 176	1	31-1100MF			
FD ECONO DIESEL	2	X56DMF	54DMF	ENS50PLMF	
FJ4 - V	1	X56DMF	54DMF	ENS50PLMF	
FJ45 - PB, PB3	1	XN50ZZMF	N50ZZMF	ENS70MF	
FJ55V	1	X56DMF	54DMF	ENS50PLMF	
FK45V	1	X56DMF	54DMF	ENS50PLMF	
HJ45 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF	
KL3A	1	XN50ZZMF	N50ZZMF	ENS70MF	
KL3B	1	XN50ZZMF	N50ZZMF	ENS70MF	



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING
VOLVO					
B1 BLE	2	N150MFF			
B1M	2	N200MFF			
B6FO BUS	2	31-1100MF			
E724	4	X56DMF	54DMF	ENS50PLMF	
F1	4	X56DMF	54DMF	ENS50PLMF	
F1	2	N150MFF			
F11	4				ED12
F117	4	X56DMF	54DMF	ENS50PLMF	
F123 TURBO 6	4	X56DMF	54DMF	ENS50PLMF	
F12	2	N150MFF			
F12	4	X56DMF	54DMF	ENS50PLMF	
F12	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
F12F	2	31-1100MF			
F12FK	2	31-1100MF			
F12GT	2	31-1100MF			
F16F	2	X56DMF	54DMF	ENS50PLMF	
F71	4	X56DMF	54DMF	ENS50PLMF	
F717	4	X56DMF	54DMF	ENS50PLMF	
F7T	4	X56DMF	54DMF	ENS50PLMF	
F86/28	2	31-1100MF			
FH12 42	2	N200MFF			
FH12 46	2	N200MFF			
FL1	4	X56DMF	54DMF	ENS50PLMF	
FL7 2006	2	N150MFF			
FL7 29	2	N150MFF			
FL7F	4	X56DMF	54DMF	ENS50PLMF	
FL7FD	2	XN70ZZMF	N70ZZMF	EN70ZZMF	
FLC 14	2	31-1100MF			
G88	2	N150MFF			
G89	2	N150MFF			
N1	2	N150MFF			
N1 - T, F	2	31-1100MF			
D12	4	X56DMF	54DMF	ENS50PLMF	
D12	2	N150MFF			
D12 - T, F	2	31-1100MF			
N7	2	31-1100MF			
N715	2	31-1100MF			
NH 565	2	N150MFF			
TAMD4	2	N150MFF			
WESTERN STAR					
CONSTELLATION SERIES 1996-1999	3	31-1100CMF			
CONSTELLATION SERIES 1999-002	4	31-1100CMF			
HERITAGE SERIES	1 OR 3	31-1100CMF			
WHITE					
9 SERIES	2	31-1100MF			





EXIDE®

Batteries

Fitment Guide



Farm, Tractor & Industrial Range



 **FARM, TRACTOR & INDUSTRIAL RANGE BATTERIES** FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
ABBEY						
AS57STACKER	1				ED12	
AEROLIFT						
FORK TRUCK 15PH & 20PH	1				ED12	
AG CHEM EQUIPMENT						
856, 8103	2	31-1100MF				
ROGATOR 554	2	31-1100MF				
TERRAGATOR 1903	2	31-1100MF				
AGCO ALLIS						
FARM TRACTORS						
4650	1	XDIN66MF	DIN66MF	EN66MF		
4660	1	XDIN88MF	DIN88MF			
5650, 5660	1	XDIN88MF	DIN88MF			
6150	1	31-1100MF				
6240, 6250, 6260, 6265, 6275	1	N94MF				
6670, 6680, 6690	1	XDIN88MF	DIN88MF			
7085, 7110, 7129, 7630, 7650	1	N94MF				
8360, 8425	3	31-1100MF				
8610, 8630	1	N94MF				
8745, 8765, 8775, 8785	2	XN50ZZMF	N50ZZMF	ENS70MF		
9130, 9150, 9170, 9190	2	XN50ZZMF	N50ZZMF	ENS70MF		
9435	2-3	31-1100MF				
9630, 9635, 9650, 9655, 9670, 9675, 9690	2	XN50ZZMF	N50ZZMF	ENS70MF		
9735, 9745, 9755, 9765, 9775, 9785	2	XN50ZZMF	N50ZZMF	ENS70MF		
9815	2	XN50ZZMF	N50ZZMF	ENS70MF		
2004 INTRAC	1	N94MF				
D10006	1	N94MF				
D3006, D3607	1	31-1100MF				
D4006, D4007, D4506, D4507, D4807	1	31-1100MF				
D5206, D5207	1	31-1100MF				
D6206, D6207	1	31-1100MF				
D6507	1	N94MF				
D6806, D6807	1	N94MF				
D7007, D7206, D7807	1	N94MF				
D8006, D9006	1	N94MF				
DX110, DX110A	1	N94MF				
DX120, DX120A	1	N94MF				
DX3.10, DX3.30, DX3.50, DX3.70, DX3.90	1	N94MF				
DX4.70	1	N94MF				
DX6.30, DX6.50	1	N94MF				
DX8.30	2	N94MF				
DX90, DX90A	1	N94MF				
ALLEN						
21-DEC	2				DC6V225	
C16 14/30 (DORMAN)	2				DC6V225	
K52 MK11, K64 MK1	2				DC6V225	
MOBILE CRANE S184	8				ED12	
T6D & DIESEL	2				ED12	



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
ALLEN (CONTINUED)						
TRENCHER - (DORMAN) T134, 16/60	2				DC6V225	
ALLIS CHALMERS						
CRAWLER						
A.C. ENGINE HD21	2	N200MFF				
A.C. ENGINE HD6	4				ED12	
DH19	2	N200MFF				
GM ENGINE	4				ED12	
GM ENGINES	2	N200MFF				
HD10, HD11, HD16	4				ED12	
HD20	2	N200MFF				
NEW SERIES HD15	2	N200MFF				
NEW SERIES HD5	4				ED12	
OLD SERIES HD7	1				ED12	
INDUSTRIAL TRACTOR						
200, 260, 360, 460	1	N200MFF				
640, 644	2	31-1100MF				
766	1	N200MFF				
10B	2	XDIN88MF	DIN88MF			
12D	1	N150MFF				
14G	1	N150MFF				
16G	1	N150MFF				
20D	2	N150MFF				
30D	2	N150MFF				
6B, 6E, 6EP	1	N150MFF				
705D, 706D, 708D	1	N200MFF				
710C, 714C, 715C	2	31-1100MF				
7G	1	N150MFF				
840C	2	31-1100MF				
HD 6A	1	N150MFF				
N5 HEADER	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
T160	1	N200MFF				
T560	1	N200MFF				
T650	1	N200MFF				
TL-10D	1	N150MFF				
TL-16D	2	N150MFF				
TL400	1	N200MFF				
MOTOR GRADER						
ALL EXCEPT D & DD	2	N200MFF				
WHEEL TRACTOR						
175, 185	2	31-1100MF				
440	2	N200MFF				
5015, 5020, 5030	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
5040, 5050	1	31-1100MF				
6040	1	31-1100MF				
6060, 6070, 6080	2	31-1100MF				
6140	1	31-1100MF				



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
7000, 7010, 7020	2	31-1100MF				
7040, 7045, 7060, 7080, 7580	4	31-1100MF				
8010, 8030, 8050, 8070	2	31-1100MF				
8550	4	31-1100MF				
4W220, 4W305	2-4	31-1100MF				
AC, BC	1				ED12	
C, CA, CW	1				ED12	
D GRADER	2				ED12	
D10, D12, D14	1				ED12	
D15	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D17	2				ED12	
D17	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D19	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D19 DIESEL	2				ED12	
D270, D270D	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TB	1				ED12	
V, VC	1				ED12	
WD, WF	1				ED12	
ARBOS						
HEADER	1	N200MFF				
ARPIC COMPRESSOR						
120 FP-115	2				ED12	
185 PD-160	1	N200MFF				
ATLAS COPCO						
170	2				ED12	
250	2				ED12	
335	2				ED12	
CUD	4	XN70ZZMF	N70ZZMF	EN70ZZMF		
DEUTZ XAS60	2				ED12	
DT5	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
PR365	2	N120MFF				
PR365 RR	4	XN70ZZMF	N70ZZMF	EN70ZZMF		
PR600, PR600 D/D	4	XN70ZZMF	N70ZZMF	EN70ZZMF		
PR600 RR	4	XN70ZZMF	N70ZZMF	EN70ZZMF		
US85, UT85	2				ED12	
VSS125	2				ED12	
VT5DD	2	XDIN88MF	DIN88MF			
VT6DD	2	N120MFF				
XAS120	2	31-1100MF				
XAS160 DEUTZ	2	31-1100MF				
XAS80, XAS80 PERKINS	2				ED12	
AVELING BARFORD						
DUMPERS						
FL	2				DC6V225	
SA PERKINS	2	N200MFF				
SF	2				DC6V225	
SL, SN	4				ED12	



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
AVELING BARFORD (CONTINUED)						
DUMPERS						
SR	2	XN50ZZMF	N50ZZMF	ENS70MF		
SR11	2				DC6V225	
GRADERS						
99H	4				ED12	
ASGO12	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
LG	2	N200MFF				
MG	2	XN50ZZMF	N50ZZMF	ENS70MF		
RM	2				DC6V225	
ROLLERS						
6DS	2				ED12	
CC FORD	2	N150MFF				
GA PERKINS OR FORD	2				ED12	
GCU	2	N150MFF				
GD	2	N200MFF				
GD4	2				ED12	
SA PERKINS	2	N200MFF				
TR, TRN, TRT	2				ED12	
VR	2				ED12	
BARBER-GREENE EQUIPMENT						
422 & 522 BUCKET LOADER	1				ED12	
44C DITCHER	1				ED12	
BELARUS						
1500	1	X56DMF	54DMF	ENS50PLMF		
1770	2	N200MFF				
7000, 7010, 7910	2	N200MFF				
DON 1500	2	N200MFF				
BLAW-KNOX						
DD, DD 4-53	1	N200MFF				
JD	1	N200MFF				
PF110T/W, PF115	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF120H	1	N200MFF				
PF150	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF171	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF172	1	N200MFF				
PF180H	1	N200MFF				
PF200	1	N200MFF				
PF22	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF220	1	N200MFF				
PF35	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF500	1	N200MFF				
RW100	1	N200MFF				
RW195	1	XN50ZZMF	N50ZZMF	ENS70MF		
BOBCAT						
610	1	X56DMF	54DMF	ENS50PLMF		
632 PETROL	1	X56DMF	54DMF	ENS50PLMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
643	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
743	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
843 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
N155	1	X56DMF	54DMF	ENS50PLMF		
BOMAG						
643	1	N200MFF				
743	1	N200MFF				
843 -BC601	1	N200MFF				
BC670RB	1	N200MFF				
BW100	1	XDIN88MF	DIN88MF			
BW105	1	XDIN66MF	DIN66MF	EN66MF		
BW1050	1	XDIN66MF	DIN66MF	EN66MF		
BW10AS	1	31-1100MF				
BW118	1	XDIN88MF	DIN88MF			
BW11AS, BW11R	1	31-1100MF				
BW120	1	XDIN88MF	DIN88MF			
BW121AD	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
BW122, BW124, BW125	1	XDIN88MF	DIN88MF			
BW12AS, BW12R	1	31-1100MF				
BW130	1	XDIN88MF	DIN88MF			
BW137, BW138	1	31-1100MF				
BW140	1	N150MFF				
BW141AD	1	N150MFF				
BW141AD-1, BW141AD-2	1	XDIN88MF	DIN88MF			
BW142	1	N150MFF				
BW144	1	N150MFF				
BW144	1	31-1100MF				
BW151AD	1	N150MFF				
BW151AD2	1	31-1100MF				
BW154	1	N150MFF				
BW160	1	N150MFF				
BW161, BW164	1	31-1100MF				
BW170, BW172	1	31-1100MF				
BW202	1	31-1100MF				
BW210, BW212, BW213, BW214	1	N150MFF				
BW217, BW219, BW220	1	N150MFF				
BW4AS, BW5AS	1	31-1100MF				
BW65, BW650	1	XDIN66MF	DIN66MF	EN66MF		
BW6AS	1	31-1100MF				
BW85, BW850	1	XDIN66MF	DIN66MF	EN66MF		
BW90A	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
BW9AS, BW9R	1	31-1100MF				
K350/P	1	N200MFF				
K351, K451	1	N200MFF				
MPH100	1	N150MFF				
MPH120	2	N94MF				
MPH50	1	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
BREEDA						
4	1				ED12	
33D, 35D	2				ED12	
50D, 70D	2				ED12	
BRISTOL TRACTOR						
20-22	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
25D	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
25PC	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
25VC	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
BRITSTAND						
33D & 35D COMBINE	2				ED12	
33P & 35P COMBINE	1				ED12	
MODEL 60 GRADER	1	N150MFF				
BROOMWADE						
SV128 (HC & 264)	2				ED12	
SV398	1	XDIN88MF	DIN88MF			
SV78 PERKINS	2				ED12	
WR - 85, 100, 160	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
WR120 FORD DIESEL & PETROL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
WR175	2				ED12	
WR210 FORD DIESEL	2				ED12	
WR250 LEYLAND	1	XDIN88MF	DIN88MF			
WR365	2				ED12	
BUCYRUS						
10, 19(2), 22(4)	2				ED12	
CRANES	1	N200MFF				
CRANES: 110 TON	1	N200MFF				
CRANES: 1200-C	1	N150MFF				
DRAGLINES	1	N200MFF				
HYDRAULIC HOES - 300H, 325H	1	N150MFF				
HYDRAULIC HOES - 350H	1	N200MFF				
HYDRAULIC HOES - 500H 60XC, 90XC	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
HYDROCRANES	1	N150MFF				
ROTARY DRILL: 22W HERCULES D2000	1	N150MFF				
ROTARY DRILL: MOST MODELS	1	N200MFF				
SHOVELS	1	N200MFF				
CASE J.I.						
COMBINES						
600	1	X56DMF	54DMF	ENS50PLMF		
660	1	X56DMF	54DMF	ENS50PLMF		
900	1	X56DMF	54DMF	ENS50PLMF		
960	1	X56DMF	54DMF	ENS50PLMF		
1010	1	X56DMF	54DMF	ENS50PLMF		
1420, 1440, 1460, 1480	2	XN50ZZMF	N50ZZMF	ENS70MF		
1620, 1640, 1660, 1670, 1680	2	31-1100MF				
2144, 2166, 2188	2	31-1100MF				
2344	2	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
1470 HILLSIDE	2	XN50ZZMF	N50ZZMF	ENS70MF		
1660 PETROL	1	X56DMF	54DMF	ENS50PLMF		
HARVESTERS AND PICKERS						
782	1	XN50ZZMF	N50ZZMF	ENS70MF		
1400	1	XN50ZZMF	N50ZZMF	ENS70MF		
1822, 1844	2	31-1100MF				
2022, 2044, 2055, 2155, 2555	2	31-1100MF				
4000	2	31-1100MF				
5000	2	31-1100MF				
8830, 8840	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
INDUSTRIAL						
800	4				ED12	
1526, 1530, 1537	1	X56DMF	54DMF	ENS50PLMF		
2290	2	31-1100MF				
1000 TERRATRAC	4				ED12	
1000C & D	4				ED12	
1150 CRAWLER	2	31-1100MF				
1550 DOZER	2	31-1100MF				
350 CRAWLER	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
420 TERRATRAC	2				ED12	
450 AANGLE DOZER & LOADER	1	N150MFF				
530CK	2				ED12	
580 FRONT END LOADER	1	31-1100MF				
600 BACKHOE	2				ED12	
BOBCAT PERKINS DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TRENCHER TF - 200, 300, 600, 700, 30+4	1	X43MF				
TRENCHER TF 100	1	31-1100MF				
TRENCHER TF1000	2	31-1100MF				
W - 12 TERRA LOADER	2	31-1100MF				
W - 5 TERRALOADER	1	XDIN88MF	DIN88MF			
W - 7, 8, 9, 10 FR LOADER	2	31-1100MF				
W -24 & 26	2	N150MFF				
WHEEL FARM TRACTORS						
184, 185	1	X60CMF	60CMF			
234	1	XN50ZZMF	N50ZZMF	ENS70MF		
235	1	X60CMF	60CMF			
244, 245	1	XN50ZZMF	N50ZZMF	ENS70MF		
254, 255	1	XN50ZZMF	N50ZZMF	ENS70MF		
274, 284	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
364	1	31-1100MF				
384	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
385, 395	1	31-1100MF				
464	1	X60CMF	60CMF			
484	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
485, 495	1	31-1100MF				
574	1	X60CMF	60CMF			
584	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
CASE J.I. (CONTINUED)						
WHEEL FARM TRACTORS						
585, 595	1	31-1100MF				
666	1	XN50ZZMF	N50ZZMF	ENS70MF		
674	1	X60CMF	60CMF			
684	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
685, 695	1	31-1100MF				
784	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
785	1	31-1100MF				
795	1	31-1100MF				
870	2	31-1100MF				
884	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
885	1	31-1100MF				
886	1	XN50ZZMF	N50ZZMF	ENS70MF		
895	1	31-1100MF				
970	2	31-1100MF				
985	1	31-1100MF				
986	1	XN50ZZMF	N50ZZMF	ENS70MF		
990, 995, 996	1	31-1100MF				
1030	2	XDIN88MF	DIN88MF			
1070, 1090	2	31-1100MF				
1175	2	31-1100MF				
1190	1	31-1100MF				
1194	2	31-1100MF				
1200	2	31-1100MF				
1210, 1212	1	31-1100MF				
1270	2	31-1100MF				
1290	1	31-1100MF				
1294	2	31-1100MF				
1370	2	31-1100MF				
1390	1	31-1100MF				
1394	2	31-1100MF				
1410, 1412	1	31-1100MF				
1470	2	31-1100MF				
1486	2	XN50ZZMF	N50ZZMF	ENS70MF		
1490	1	31-1100MF				
1494	2	31-1100MF				
1570	2	31-1100MF				
1586	2	XN50ZZMF	N50ZZMF	ENS70MF		
1594	2	31-1100MF				
1690	1	31-1100MF				
1896	2	31-1100MF				
2090, 2094, 2096	2	31-1100MF				
2120	1	XDIN66MF	DIN66MF	EN66MF		
2130, 2140, 2150	1	XDIN66MF	DIN66MF	EN66MF		
2290, 2294, 2296	2	31-1100MF				
2390, 2394	2	31-1100MF				



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
2470	2	31-1100MF				
2590, 2594	2	31-1100MF				
2670, 2870	2	31-1100MF				
3088	2	XN50ZZMF	N50ZZMF	ENS70MF		
3288	2	XN50ZZMF	N50ZZMF	ENS70MF		
3294	2	31-1100MF				
3388, 3394	2	31-1100MF				
3488	2	XN50ZZMF	N50ZZMF	ENS70MF		
3588, 3594	2	31-1100MF				
3688	2	XN50ZZMF	N50ZZMF	ENS70MF		
3788	2	31-1100MF				
4386, 4490, 4494	2	31-1100MF				
4568, 4586	3	31-1100MF				
4690, 4694	2	31-1100MF				
4786	3	31-1100MF				
4890, 4894	2	31-1100MF				
4994	2	31-1100MF				
5088	2	XN50ZZMF	N50ZZMF	ENS70MF		
5120, 5130, 5140	2	31-1100MF				
5220, 5230, 5240, 5250	2	31-1100MF				
5288	2	XN50ZZMF	N50ZZMF	ENS70MF		
5488	2	XN50ZZMF	N50ZZMF	ENS70MF		
6366, 6586, 6786	2	31-1100MF				
7110, 7120, 7130, 7140, 7150	2	31-1100MF				
7388, 7588, 7788	2	31-1100MF				
9110, 9130, 9150, 9170, 9180	2	31-1100MF				
9210, 9230, 9240, 9250, 9260, 9270, 9280	3	31-1100MF				
9310, 9330, 9350, 9370, 9380	2	31-1100MF				
380B	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
C - 50, 60, 90, 100	1	31-1100MF				
CX - 50, 60, 80, 90, 100	1	31-1100MF				
HYDRO - 70, 86, 186	1	XN50ZZMF	N50ZZMF	ENS70MF		
MX - 150, 170, 180, 200, 220	2	31-1100MF				
MX - 80, 90, 100, 120, 135, 110	1	31-1100MF				
WINDROWER - 8870, 8880	1	XN50ZZMF	N50ZZMF	ENS70MF		
CATERPILLAR						
ARTICULATED DUMP TRUCKS						
AP 1000 (ASPHALT PAVERS)	1	N150MFF				
AP200B	1	31-1100MF				
D20D	2	31-1100MF				
D25	2	N150MFF				
D250	2	N150MFF				
D250D	2	31-1100MF				
D30, D300, D300D	2	N150MFF				
D35, D350	2	N150MFF				
D40, D400	2	N150MFF				
D44	2	N200MFF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
CATERPILLAR (CONTINUED)						
ARTICULATED DUMP TRUCKS						
D50, D550	2	N200MFF				
D650	2	N200MFF				
BACKHOE-TYPE LOADERS						
416, 426, 428, 436, 438, 446	1-2	31-1100MF				
416B	1	31-1100MF				
426B, 428B	1	31-1100MF				
436B, 438B	1	31-1100MF				
446B	1-2	31-1100MF				
COLD PLANERS AND COMPACTORS						
836	1	31-1100MF				
PM450C	1	N200MFF				
PM565	1	N200MFF				
EXCAVATORS						
215, 225, 227, 229, 235	2	N150MFF				
245	2	N200MFF				
350	2	N150MFF				
375	2	N200MFF				
5130	2	N150MFF				
5230	2	31-1100MF				
231D	2	31-1100MF				
235D	2	N150MFF				
245D	2	N200MFF				
300, 311, 312, 320, 325, 330	2	31-1100MF				
320L, 320N	2	31-1100MF				
350L	2	N150MFF				
375L	2	N200MFF				
E110	2	N150MFF				
E110B	2	31-1100MF				
E120	2	N150MFF				
E120B	2	31-1100MF				
E140, E180	2	N150MFF				
E200, E240	2	N150MFF				
E240C	2	31-1100MF				
E300	2	N150MFF				
E450	2	N150MFF				
E650	2	N200MFF				
E70, E70B	2	31-1100MF				
EL240C	2	31-1100MF				
FARM TRACTORS						
CHALLENGER 55, 65, 65B, 65C, 65D, 65E, 70C	2	31-1100MF				
CHALLENGER 75A, 75B	4	31-1100MF				
CHALLENGER 75C, 75D, 75E, 85C, 95D, 95E	2	31-1100MF				
FELLER BUNCHERS						
FB - 219, 508, 518, 519	2	31-1100MF				





MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
INTEGRATED TOOL CARRIERS						
IT- 12, 14, 14F, 18, 18F, 20, 28, 28F	2	31-1100MF				
LIFT TRUCKS						
RT80	1	31-1100MF				
T40E, T50E	1	XN50ZZMF	N50ZZMF	ENS70MF		
TC60E	1	XN50ZZMF	N50ZZMF	ENS70MF		
V110C, V135C, V155C	2	31-1100MF				
V165C, V180C	2	N200MFF				
V200C, V225C, V250C, V265C	2	N200MFF				
V300C, V330C	2	N200MFF				
V40E	1	31-1100MF				
V50E	1	31-1100MF				
VC60E	1	31-1100MF				
LOG SKIDDERS						
508*, 518*, 518C, 528*	2	31-1100MF				
530B	2	N150MFF				
MOTOR GRADERS						
12 G12 GRADER	1				ED12	
12 GRADER 17K SERIES	2	31-1100MF				
12E GRADER	4				ED12	
140 GRADER	2	31-1100MF				
140G 14 GRADERS	2	N150MFF				
55F SERIES	2	31-1100MF				
IT28B	2	31-1100MF				
OFF-HIGHWAY TRUCKS						
771C	2	N200MFF				
775B	2	N150MFF				
777C	2	N200MFF				
785B, 789B, 793B	2	31-1100MF				
PAVING PRODUCTS						
CB214C, CB224C, CB534B, CB634	2	31-1100MF				
CP323, CP433, CP533	1	N150MFF				
CP563	2	31-1100MF				
CS433B	2	31-1100MF				
CS531, CS533, CS563, CS583	2	31-1100MF				
TRACK TYPE TRACTORS						
D10N	1	N200MFF				
D11N	1	N150MFF				
D3C	2	31-1100MF				
D4	2	N150MFF				
D4C, D4H, D4H XL	2	31-1100MF				
D5	2	N150MFF				
D5C, D5E, D5H XL	2	31-1100MF				
D6B (DIRECT ELEC. START)	2	N150MFF				
D6B PETROL START	1	31-1100MF				
D6C	2	N150MFF				
D6D, D6H XL, D6H XR	2	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
CATERPILLAR (CONTINUED)						
TRACK TYPE TRACTORS						
D7	2	N200MFF				
D8	2	N200MFF				
D8N	2	31-1100MF				
D9 DIRECT ELECTRIC START	2	N200MFF				
D9N	2	N150MFF				
LPG	2	31-1100MF				
WHEEL AND TRACK-TYPE LOADERS						
922	4				ED12	
950	2	N150MFF				
950	4				ED12	
992	4	N200MFF				
57A (DIRECT ELEC START)	2	N150MFF				
910F, 918F	2	31-1100MF				
922 DES	2	N150MFF				
922 TRAXCAVATOR	2	N150MFF				
933 TRAXCAVATOR (US)	4				ED12	
936F, 950F	2	N150MFF				
953B	2	31-1100MF				
955, 966, 977	2	N150MFF				
960F	2	N150MFF				
966 TRAXCAVATOR	4				ED12	
966 TRAXCAVATOR (JAPAN)	2	N150MFF				
966F	2	N150MFF				
970F	2	N150MFF				
980, 988	2	N200MFF				
980F	2	N150MFF				
988F	4	31-1100MF				
992D	4	31-1100MF				
D6B, D6C	2	N150MFF				
WHEEL AND TRACTOR SCRAPERS						
613C	1-2	31-1100MF				
615C	1-2	31-1100MF				
621F	2-4	31-1100MF				
623F	3-4	31-1100MF				
627F	4	31-1100MF				
776C	2	N200MFF				
784B	2	31-1100MF				
784C	1	31-1100MF				
CHALLENGER						
MT400 - MT500	1	XDIN88MF	DIN88MF			
MT755 - MT875	4	XDIN77MF				
CHAMBERLAIN						
800, 894	1	31-1100MF				
212 INDUSTRIAL	1	31-1100MF				
700, 791 LOADERS	1	31-1100MF				



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
895 LOADERS	1	31-1100MF				
C456	1	31-1100MF				
CLAAS						
DOMINATOR - 68S, 98SL, 88S	1	N120MFF				
DOMINATOR 105 (OM360 MERCEDES)	1	N150MFF				
CLARK FORKLIFT						
C500 SERIES (HY) 40-55 DIESEL	1	31-1100MF				
C500 SERIES (HY) 40-55 PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF		
C500 SERIES Y60 (173 MOTOR)	1	XN50ZZMF	N50ZZMF	ENS70MF		
C500 SERIES Y80 DIESEL	1	N150MFF				
C500 SERIES Y80 PETROL	1	X56DMF	54DMF	ENS50PLMF		
C60	1	XN50ZZMF	N50ZZMF	ENS70MF		
C70	1	XN50ZZMF	N50ZZMF	ENS70MF		
CAR LOADER - 4000LB., 500LB 6 VOLTS	1				ED12	
CF20, CF25	1	X40CMF		ENS40ZALMF		
CFY80	1	XN50ZZMF	N50ZZMF	ENS70MF		
CLARK LIFT 4000 & 5000LB PERKINS P3	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
CLARKTON	1	X56DMF	54DMF	ENS50PLMF		
CY250, CY260	1	X40CMF		ENS40ZALMF		
CY400	1	N200MFF				
CY80	1	XN50ZZMF	N50ZZMF	ENS70MF		
VAN CARRIER	2	N200MFF				
YARD LIFT 40 4000LB. PERKINS P3	2				ED12	
YARDLIFT & UTILITRUC 60, 6000LB, 7000LB FORD DIESEL	1	N150MFF				
YARDLIFT 40 4000LB. HOLDEN 12V	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
CLETRAC						
DD	1	N150MFF				
FD	1	N200MFF				
COCKSHUTT						
COMBINES 12 VOLT - ALL MODELS	1	X56DMF	54DMF	ENS50PLMF		
COMBINES 6 VOLT - 55D, 56D, 57D	1				ED12	
COLES CRANES						
H171 DIESEL	1	N200MFF				
LORRY MOUNTED	4				ED12	
MOBILE	2				ED12	
COMPAIR						
COMPAIR HOLMAN	1	31-1100MF				
HYDROVANE HVAP	1	31-1100MF				
HYDROVANE I	1	XN50ZZMF	N50ZZMF	ENS70MF		
RD420	1	N200MFF				
RO1200, RO1800	2	N200MFF				
RO60PD, RO750PD	1	N200MFF				
RO900	2	N200MFF				
ZITAR - 65, 125, 175, 250	1	31-1100MF				
CONSOLIDATED PNEUMATIC COMP						
125A	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
160R	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
CONVENTRY CLIMAX						
MOST MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
CONVEYANCER FORKLIFT						
D4-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
G4-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
M2 PETROL & M16 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
MIB PETROL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
MKN	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
PW4, PW5, PW6, PW8	1	X56DMF	54DMF	ENS50PLMF		
TC4	2				ED12	
TC4-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TC5	2				ED12	
TC5-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TC6	2				ED12	
TC6 & 7 YARD MODEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TC6-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TC67/27	2				ED12	
TC7-24	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
CROWN						
MOST B MODELS	2				ED12	
MOST W MODELS EXCEPT 227	4				ED12	
DAEDONG						
T1914	1	X56DMF	54DMF	ENS50PLMF		
T2200, T2260	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF		
DATSUN FORKLIFT						
CF	1	XN50ZZMF	N50ZZMF	ENS70MF		
CFG SERIES	1	X60DMF	60DMF			
FD	1	XN50ZZMF	N50ZZMF	ENS70MF		
FG	1	X60DMF	60DMF			
FO	1	XN50ZZMF	N50ZZMF	ENS70MF		
GF, GFO	1	XN50ZZMF	N50ZZMF	ENS70MF		
PF, PFG	1	XN50ZZMF	N50ZZMF	ENS70MF		
QF, QGF SERIES	1	XN50ZZMF	N50ZZMF	ENS70MF		
DAVID BROWN						
770, 780	1	31-1100MF				
880, 885	1	31-1100MF				
900, 990, 995	1	31-1100MF				
1200, 1210, 1212	1	31-1100MF				
1410, 1412	1	31-1100MF				
OTHER CROPMASTER & COWDUNG PLOUGH	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
SERIES 2 - 880, 99	1	N150MFF				
DEUTZ-ALLIS						
35	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
277	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
9170 R50	2	31-1100MF				
D1006	1	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
D13003	1	31-1100MF				
D3006	1	XDIN88MF	DIN88MF			
D4006	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D50	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
D5006	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D6006	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D7006	1	31-1100MF				
D8006	1	31-1100MF				
DK75	4				ED12	
DX - 4.51, 3.65, 6.30	1	N150MFF				
DEVERE MFG CO						
25	1					U1RMF
31-V, VR	1					U1RMF
TR60	1					U1RMF
DEVESON-JAHN						
UNIVERSAL CLIPPER	1	31-1100MF				
DRM CO						
GRADER	2	N200MFF				
EBELING						
SWEEPERS	1	31-1100MF				
EUCLID						
EARTHMOVING DUMP TRUCKS	1	N200MFF				
MOST SKIDDERS	1	31-1100MF				
WHEEL DOZERS, WHEEL LOADERS	1	31-1100MF				
WITH AIR START	2	N150MFF				
FABTEK						
M30	2	31-1100MF				
T30	1	31-1100MF				
T40	2				ED12	
V30, V36	1	X56DMF	54DMF	ENS50PLMF		
FENDT						
240S, 250S/SA, 260S/SA, 275SA	1	XDIN88MF	DIN88MF			
307LSA	1	XDIN88MF	DIN88MF			
308LSA	1	N150MFF				
310LSA	1	N120MFF				
311LSA, 312LSA	1	N150MFF				
411	1	XDIN88MF	DIN88MF			
614LSA	1	N150MFF				
720, 820, 822, 824, 828, 900	1	N150MFF				
FARMER 200 V	1	XDIN88MF	DIN88MF			
FAVORIT 500 (N120P MAY BE TOO HIGH)	1	N120MFF				
FAVORIT 800 SERIES	2	XDIN88MF	DIN88MF			
P SERIES, S SERIES	1	XDIN88MF	DIN88MF			
TOOL CARRIER 300 SERIES	1	XDIN88MF	DIN88MF			
FD720/FD820/FD822/ FD824/FD828/FD900	1	N150MFF				
FD411	1	XDIN88MF	DIN88MF			



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
FIAT ALLIS						
BULLDOZER						
14C	1	N94MF				
650	1	N94MF				
665M	1	N94MF				
666	1	31-1100MF				
765	1	N94MF				
955C	1	N94MF				
CRAWLER						
311C	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
40C1	1	X56DMF	54DMF	ENS50PLMF		
40CAFL4	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
411C	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
411C1	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
455	1	N94MF				
505	1	N94MF				
(AUX ENG)	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
50C1	1	X56DMF	54DMF	ENS50PLMF		
555	2	N150MFF				
60C1	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
60C1 (BATTERY START)	2	XDIN88MF	DIN88MF			
650C	1	N94MF				
70C1/204	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
70C1/205	2	31-1100MF				
80C1	2	31-1100MF				
AB, AD, BD	2	N150MFF				
FL	2	XDIN88MF	DIN88MF			
FL10	2	N150MFF				
FL14AD12 (24VOLT)	2	N150MFF				
KL10	2	N150MFF				
WHEEL TRACTOR						
100-90	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1000 - DT, SUPER	1	N150MFF				
115-90	1	N150MFF				
1180, 1380, 1580, 1880	1	N150MFF				
1300 SUPER, 130-90	1	N150MFF				
160-90, 180-90	1	N150MFF				
211RB	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
300	1	31-1100MF				
411RB, 422RB	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
415	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
450	1	31-1100MF				
450	1	N94MF				
455 & DT	1	N94MF				
4566, 5066	1	XDIN88MF	DIN88MF			
466, 580, 680, 780	1	31-1100MF				
500, 540	1	N94MF				



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
500DT, 505C	1	N94MF				
513R	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
550, 566	1	N150MFF				
600, 615, 650, 666	1	N150MFF				
600DT	1	N150MFF				
600S	1	N150MFF				
605C	1	N94MF				
640 4WD MODELS	1	N94MF				
650S	1	N150MFF				
66 SERIES	1	N150MFF				
70-90	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
750, 766	1	N150MFF				
750S	1	N150MFF				
780DT	1	N150MFF				
80 SERIES	1	31-1100MF				
80-90	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
80R	2	31-1100MF				
880	1	31-1100MF				
880	1	N150MFF				
880DT	1	N150MFF				
90 SERIES	1	N150MFF				
90-90	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
900	1	N200MFF				
990	1	31-1100MF				
DT	1	31-1100MF				
DT MODELS	1	N150MFF				
LAVENDER 3500	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
FORD NEW HOLLAND						
AUTOMATIC BALE WAGON						
1048, 1049, 1065	1	XN50ZZMF	N50ZZMF	ENS70MF		
1068	2	XN50ZZMF	N50ZZMF	ENS70MF		
1068	1	XN50ZZMF	N50ZZMF	ENS70MF		
1069	2	XN50ZZMF	N50ZZMF	ENS70MF		
1069	1	XN50ZZMF	N50ZZMF	ENS70MF		
1078	1	31-1100MF				
1078	2	XN50ZZMF	N50ZZMF	ENS70MF		
1079	1	31-1100MF				
1079	2	XN50ZZMF	N50ZZMF	ENS70MF		
8500	2	XN50ZZMF	N50ZZMF	ENS70MF		
1075 DIESEL	2	XN50ZZMF	N50ZZMF	ENS70MF		
1075 PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF		
1085 (LATER MODELS)	1	31-1100MF				
1085 (OLDER MODELS)	2	XN50ZZMF	N50ZZMF	ENS70MF		
COMBINES						
TR86, TR96	2	31-1100MF				
FORAGE HARVESTERS						
1915	4	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
FORD NEW HOLLAND (CONTINUED)						
COMBINES						
2100	4	31-1100MF				
2115	2	31-1100MF				
6710, 7710	1	N94MF				
SQUARE BALERS						
426	1	XN50ZZMF	N50ZZMF	ENS70MF		
505	1	31-1100MF				
WHEEL TRACTOR						
1000	1	XN50ZZMF	N50ZZMF	ENS70MF		
1100	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF		
1110, 1120	1	XN50ZZMF	N50ZZMF	ENS70MF		
1210, 1220	1	XN50ZZMF	N50ZZMF	ENS70MF		
1300, 1310	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1320	1	XN50ZZMF	N50ZZMF	ENS70MF		
1500, 1510	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1520	1	XN50ZZMF	N50ZZMF	ENS70MF		
1600	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1700, 1710	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1720	1	XN50ZZMF	N50ZZMF	ENS70MF		
1910, 1920	1	31-1100MF				
2110, 2120	1	31-1100MF				
2810, 2910	1	N94MF				
3010, 3220, 3230	1	31-1100MF				
3910	1	N94MF				
4110, 4610	1	N94MF				
5600	1	N94MF				
5610	1	31-1100MF				
5610	1	N94MF				
5640	1	31-1100MF				
5700	1	N94MF				
5900	1	31-1100MF				
5900	1	N94MF				
6600	1	N94MF				
6610	1	31-1100MF				
6610	1	N94MF				
6640	1	31-1100MF				
6700	1	N94MF				
7600, 7700	1	N94MF				
7740	1	31-1100MF				
7810	1	N94MF				
8010	1	31-1100MF				
8210	1	N94MF				
8240, 8340	1	31-1100MF				
846, 876	3	31-1100MF				
8600, 8700	1	N94MF				
9030	2	31-1100MF				



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MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
946, 976	4	31-1100MF				
9482	3	31-1100MF				
9600	1	N94MF				
9700	1	N94MF				
9782	3	31-1100MF				
1900 (EARLIER MODELS)	1	31-1100MF				
7610 (YR 1984-1996)	1	N94MF				
7610 (YR 1998-2000)	1	31-1100MF				
FW20, FW30, FW40, FW60	4	31-1100MF				
TS100	1	31-1100MF				
TW10, TW15, TW20, TW25, TW30	1	N94MF				
TW35 , TW5	1	N94MF				
WINDROWER						
1116	1	XN70ZZLMF	N70ZZLMF	EN70ZZLMF		
1118	1	31-1100MF				
1499	1	31-1100MF				
HW300, HW320, HW340	1	31-1100MF				
FORDSON						
1210	1	X56DMF	54DMF	ENS50PLMF		
1520	1	31-1100MF				
1710	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1910	1	31-1100MF				
276	1	31-1100MF				
2000	1	XDIN88MF	DIN88MF			
2100	1	31-1100MF				
3000	1	XDIN88MF	DIN88MF			
3400, 3500, 3910	1	N94MF				
4000, 4100, 4110, 4400, 4500, 4600, 4610	1	N94MF				
5000, 5610	1	N94MF				
555C	1	N94MF				
6000, 6610	1	N94MF				
7000, 7710	1	N94MF				
876	3	31-1100MF				
8210	1	N94MF				
9600	1	N94MF				
F6000 SERIES DIESEL	1	31-1100MF				
MAJOR DIESEL (SINCE 1956)	2				DC6V225	
TR SERIES	2	31-1100MF				
TW25	1	N94MF				
TX34	2	XDIN66MF	DIN66MF	EN66MF		
FOWLER						
CHALLENGER & TRACTOR (MEADOWS ENG.)	1	N150MFF				
CHALLENGER MK111	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
MOVEMORE	2				ED12	
TRACTOR CRANE	2				ED12	
FREIGHTER						
ALL 12 VOLT MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
FREIGHTER (CONTINUED)						
ALL 6 VOLT MODELS	1				ED12	
GALLION						
ROAD GRADER SERIES 118	2	N200MFF				
GLEANER						
COMBINES						
F2, F3, FR	2	XN50ZZMF	N50ZZMF	ENS70MF		
MH2	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
N5, N6, N7	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
R42L	3	XN50ZZMF	N50ZZMF	ENS70MF		
R50	2	XN50ZZMF	N50ZZMF	ENS70MF		
R52L	3	XN50ZZMF	N50ZZMF	ENS70MF		
R60, R62L	3	XN50ZZMF	N50ZZMF	ENS70MF		
R70, R72L	3	XN50ZZMF	N50ZZMF	ENS70MF		
S77	3	31-1100MF				
S67	3	31-1100MF				
HANOMAG						
22C, 33C	1	31-1100MF				
400C	1	31-1100MF				
45 STD	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
D600D	1	N150MFF				
K55 COMMER, K55E COMMER	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
L600D	1	N150MFF				
R28	1	N150MFF				
R40 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
HINOMOTO						
2 CYL DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
MB 1100 ROTARY HOE	1	X43MF				
HODGSON LIFT						
BG SERIES PETROL	2					
DG SERIES DIESEL	2					
HOLMAN COMPRESSORS						
AT8D	1	XDIN55MF	DIN55MF	EN55MF		
ROTAIR	2				ED12	
ROTAIR 60D	4				ED12	
TA130	1				ED12	
VW ENGINE 12 VOLT	1	X43MF				
HOWARD AUTO						
DH22	1				ED12	
DH226	1				ED12	
ROTAVATOR	1	X43MF				
HYCADDY						
PBB500	1				ED12	
HYMACK SHOVEL						
5/8 YARD	1	31-1100MF				
HYSTER FORKLIFT						
H110-130-150F	1	X56DMF	54DMF	ENS50PLMF		





MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
H165-250E DIESEL	1	N120MFF				
H165-250E PETROL	1	X56DMF	54DMF	ENS50PLMF		
H20-30E DIESEL	1	31-1100MF				
H300A	1	N120MFF				
H360-620B	1	N200MFF				
H40-50-60H DIESEL	1	X56DMF	54DMF	ENS50PLMF		
H60-70-80H PETROL	1	X56DMF	54DMF	ENS50PLMF		
H700-800A	1	N200MFF				
M500-600H	1	N120MFF				
P125-180A	1	X56DMF	54DMF	ENS50PLMF		
P40-50A	1	31-1100MF				
INGERSOLL RAND						
D1750	1	N200MFF				
D200	1	N200MFF				
DL - 600, 900, 1200	2				ED12	
DR210, 250, 315, 365, 600	2	N120MFF				
DR900	2				ED12	
DRRF 160	2	XN50ZZMF	N50ZZMF	ENS70MF		
DXL - 600, 700, 750, 850	1	N150MFF				
GR600	2	N120MFF				
GRA-GRB 125	1	X56DMF	54DMF	ENS50PLMF		
HP - 300, 320, 525, 600, 750, 850	1	N150MFF				
KQ415	2	N120MFF				
P - 100, 110, 125, 130, 150, 160, 175	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
P - 185, 250, 300, 335, 450	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
P - 375, 425, 700, 850, 900, 1100, 1600	1	N150MFF				
XHP750	1	N150MFF				
XP - 600, 750, 825, 900, 1400	1	N150MFF				
INTERNATIONAL						
COTTON PICKER						
420	2				ED12	
422(D-282)	2				ED12	
622	1	N150MFF				
CRAWLER TRACTOR						
TD15B-175L	4				ED12	
TD15C-175CL	4				ED12	
TD18-182 SERIES	2				ED12	
TD20C/250CL	1	N120MFF				
TD20E	2	N200MFF				
TD25B, TD25C, TD30	2	N200MFF				
HARVESTER						
175	1	X56DMF	54DMF	ENS50PLMF		
270	4				ED12	
275	1	N120MFF				
340, 350	2	N200MFF				
403	1	X56DMF	54DMF	ENS50PLMF		
412, 431, 442, 443, 444	4				ED12	



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
INTERNATIONAL (CONTINUED)						
HARVESTER						
503	1	X56DMF	54DMF	ENS50PLMF		
711	1	N120MFF				
295B	2	N200MFF				
E270	4				ED12	
E295B	2	N200MFF				
PH100	2	N200MFF				
PH180	2	N200MFF			ED12	
PH95	2	N200MFF			ED12	
PAY LOADERS AND LOGGERS						
3200A	1	X43MF				
3200B, 3300B	1	X56DMF	54DMF	ENS50PLMF		
D500	4	N200MFF				
FH65C	2	N150MFF				
H400	4	N150MFF				
H80A, H80B	2	N150MFF				
H90E	2	N200MFF				
S7B, S7C	2	31-1100MF				
S9B	2	31-1100MF				
POWER UNITS						
AU264	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
UD817	2	N200MFF				
UDT407	2				ED12	
UDT429	2	N150MFF			ED12	
UDT573	2	N150MFF				
UDT817	2	N200MFF				
TWO-WHEEL DRIVE LOADERS						
3434	1	31-1100MF				
3500	1	31-1100MF				
2554D	2				ED12	
A40-2	2				ED12	
WHEEL TRACTOR					ED12	
404, 414, 454, 484	1	31-1100MF				
624	1	N150MFF				
674	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
766	1	31-1100MF				
844	1	31-1100MF				
844	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
1086	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
1486	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
1586	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
4186	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
4386	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
4386	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
4568, 4586	4	XN70ZZMF	N70ZZMF	EN70ZZMF		
4586	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
5541	1	X56DMF	54DMF	ENS50PLMF		
5641	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
ISEKI						
320	1	X43MF				
530	1	X43MF				
2140, 2160	1	X43MF				
3210	1	X43MF				
4010	1	XDIN88MF	DIN88MF			
4270	1	N120MFF				
4320, 4370	1	N120MFF				
4410, 4450	1	N120MFF				
4510	1	31-1100MF				
5000, 6000, 7000, 9000	1	N120MFF				
SF310	1	XN50ZZMF	N50ZZMF	ENS70MF		
SF370	1	XN50ZZMF	N50ZZMF	ENS70MF		
SX75	1	31-1100MF				
SX95	1	N120MFF				
T6500	2	X56DMF	54DMF	ENS50PLMF		
TS	1	31-1100MF				
TS350	1	XDIN88MF	DIN88MF			
TX1500, TX2160	1	X43MF				
JCB EQUIPMENT						
WHEEL EXCAVATORS - W, 2B, 3B, 3C, 3D	1	31-1100MF				
JACOBSEN						
TURFCAT 915	1	X43MF				
TURFKING 84	1	X43MF				
JOHN DEERE						
AIR DRILL, AIR SEEDER AND BALERS						
336, 346	1	XN50ZZMF	N50ZZMF	ENS70MF		
665, 780, 785	1	XN50ZZMF	N50ZZMF	ENS70MF		
1200	1	X56DMF	54DMF	ENS50PLMF		
BACKHOE LOADERS, COMPACTORS						
210C	1	XN50ZZMF	N50ZZMF	ENS70MF		
300B	1	XN50ZZMF	N50ZZMF	ENS70MF		
300D	1	31-1100MF				
302A	1	XN50ZZMF	N50ZZMF	ENS70MF		
310C	1	XN50ZZMF	N50ZZMF	ENS70MF		
310D	1	31-1100MF				
315C, 315D	1	XN50ZZMF	N50ZZMF	ENS70MF		
401C	1	XN50ZZMF	N50ZZMF	ENS70MF		
410B, 410C	1-2	31-1100MF				
410D	1	XN50ZZMF	N50ZZMF	ENS70MF		
444C/D/E	1	31-1100MF				
510B, 510C	1-2	31-1100MF				
510D	1	XN50ZZMF	N50ZZMF	ENS70MF		
515B	1	31-1100MF				
544C/D/E	1	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
JOHN DEERE (CONTINUED)						
BACKHOE LOADERS, COMPACTORS						
610B, 610C	1-2	31-1100MF				
644C/D/E	1	31-1100MF				
646C	1	31-1100MF				
710C	1-2	31-1100MF				
710D	1	31-1100MF				
844	1	31-1100MF				
LX100, LX120, LX150	1	31-1100MF				
LXD100, LXD120	1	31-1100MF				
COMBINES						
40, 45, 55	2	X56DMF	54DMF	ENS50PLMF		
95	2					
1640	2	XDIN55MF	DIN55MF	EN55MF	ED12	
3300	1-2	31-1100MF				
4400	1-2	31-1100MF				
4420	2	XN50ZZMF	N50ZZMF	ENS70MF		
4425	1-2	31-1100MF				
6600, 6602	1-2	31-1100MF				
6620	2	XN50ZZMF	N50ZZMF	ENS70MF		
6622	2	XN50ZZMF	N50ZZMF	ENS70MF		
7700	2	31-1100MF				
7720, 7722	2	XN50ZZMF	N50ZZMF	ENS70MF		
8820	2	XN50ZZMF	N50ZZMF	ENS70MF		
9400, 9500	2	31-1100MF				
9600	2	31-1100MF				
7700 DIESEL	1	N150MFF				
CTS	2	31-1100MF				
COTTON PICKER, COTTON STRIPPER						
482	1	31-1100MF				
2155	2	XDIN55MF	DIN55MF	EN55MF		
2555	2	XDIN55MF	DIN55MF	EN55MF		
6850	2	31-1100MF				
7440, 7445, 7450, 7455	1	31-1100MF				
9600	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
9900	1	XN50ZZMF	N50ZZMF	ENS70MF		
9910, 9920, 9930, 9935	1	31-1100MF				
9940, 9950, 9960, 9965, 9970, 9976	2	31-1100MF				
484 (1976-77)	1	XN50ZZMF	N50ZZMF	ENS70MF		
484 (1978-ON), 484 (TO 1976)	1	31-1100MF				
EXCAVATORS						
15	1					U1RMF
25, 30, 50, 70	1	XN50ZZMF	N50ZZMF	ENS70MF		
490, 495, 595	2	31-1100MF				
790, 792	1	N150MFF				
890	1	N150MFF				
990	1	31-1100MF				



 FARM, TRACTOR & INDUSTRIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
290D	1	XN50ZZMF	N50ZZMF	ENS70MF		
595D	2	31-1100MF				
690C	1	31-1100MF				
690CR	1	31-1100MF				
690D	1	31-1100MF				
690E, 690HD	1	N150MFF				
70D	1	XN50ZZMF	N50ZZMF	ENS70MF		
790D, 790E	1	N150MFF				
890A	1	31-1100MF				
892D	1	N150MFF				
992D	1	N150MFF				
FORAGE HARVESTERS						
5720, 5730	2	31-1100MF				
5820, 5830	2	31-1100MF				
6610, 6710, 6810, 6910	2-3	XDIN88MF	DIN88MF			
FORKLIFTS						
480C	1	XN50ZZMF	N50ZZMF	ENS70MF		
482C	1-2	31-1100MF				
GRADERS						
570B	1	31-1100MF				
670A, 670B, 672A, 672B	2	31-1100MF				
770A, 770B, 772A, 772B	1	N150MFF				
HAY CUBER, HY-CYCLE, PUMP						
425	1	N200MFF				
4700	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
6000	1	XN50ZZMF	N50ZZMF	ENS70MF		
6100, 6500, 6600	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
6068T15Q	1	31-1100MF				
SCRAPERS, SKID STEER LOADERS, SKIDDERS						
90	1	XN50ZZMF	N50ZZMF	ENS70MF		
125	1	31-1100MF				
300	2	X56DMF	54DMF	ENS50PLMF		
350	2	31-1100MF				
400, 440	2	X56DMF	54DMF	ENS50PLMF		
450	2	31-1100MF				
860	2	N120MFF				
862	1	31-1100MF				
125 PETROL	1	XN50ZZMF	N50ZZMF	ENS70MF		
24A	1	31-1100MF				
340D	1	31-1100MF				
400A	2	X56DMF	54DMF	ENS50PLMF		
440C/D	1	31-1100MF				
448D	1	31-1100MF				
540B	1	31-1100MF				
540D, 548D	1-2	31-1100MF				
548E	1	31-1100MF				
640D/E, 648D	1	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
JOHN DEERE (CONTINUED)						
SCRAPERS, SKID STEER LOADERS, SKIDDERS						
740A	1-2	31-1100MF				
740D	1-2	31-1100MF				
748E	1	31-1100MF				
762A	1	31-1100MF				
762B	1-2	31-1100MF				
862B	1-2	31-1100MF				
TRACTOR						
650	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
655	1-2	31-1100MF				
750	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
750	1	N150MFF				
755	1-2	31-1100MF				
850	1	31-1100MF				
850, 855	1	N150MFF				
920	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
950	1	31-1100MF				
950	1	N150MFF				
970	1	31-1100MF				
970	1	N150MFF				
1020	2	XN50ZZMF	N50ZZMF	ENS70MF		
1040	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
1050	1	31-1100MF				
1050	1	N150MFF				
1050, 1070	1	31-1100MF				
1120	2	XN50ZZMF	N50ZZMF	ENS70MF		
1140	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
1250	1	31-1100MF				
1450	1	31-1100MF				
1520, 1530	2	XN50ZZMF	N50ZZMF	ENS70MF		
1630	2	XDIN55MF	DIN55MF	EN55MF		
1640	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
1650	1	31-1100MF				
1750	1	XDIN88MF	DIN88MF			
1830, 1840	2	XDIN55MF	DIN55MF	EN55MF		
1850	1	XDIN88MF	DIN88MF			
2010	1	31-1100MF				
2020, 2030	2	XN50ZZMF	N50ZZMF	ENS70MF		
2040	2	XDIN55MF	DIN55MF	EN55MF		
2120, 2130	2	XN50ZZMF	N50ZZMF	ENS70MF		
2140	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
2150	2	X56DMF	54DMF	ENS50PLMF		
2250, 2255, 2270	2	X56DMF	54DMF	ENS50PLMF		
2330, 2350	2	XN50ZZMF	N50ZZMF	ENS70MF		
2355	2	XDIN55MF	DIN55MF	EN55MF		
2440	2	XN50ZZMF	N50ZZMF	ENS70MF		



 FARM, TRACTOR & INDUSTRIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
2450, 2550	2	X56DMF	54DMF	ENS50PLMF		
2630, 2640	2	XN50ZZMF	N50ZZMF	ENS70MF		
2650	2	X56DMF	54DMF	ENS50PLMF		
2750	2	XN50ZZMF	N50ZZMF	ENS70MF		
2755	2	XDIN55MF	DIN55MF	EN55MF		
2840	1	31-1100MF				
2850	2	XDIN44MF				
2940, 2950	1	31-1100MF				
3140	2	XDIN88MF	DIN88MF			
3150, 3155	1	31-1100MF				
3350	2	XDIN88MF	DIN88MF			
3650	2	31-1100MF				
4055	2	31-1100MF				
4255	2	31-1100MF				
4300	2	X56DMF	54DMF	ENS50PLMF		
4455	2	31-1100MF				
4500	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
4555, 4560	2	31-1100MF				
4755	2	31-1100MF				
4760	2	31-1100MF				
4960	2	31-1100MF				
5210, 5300, 5310, 5410, 5500, 5510	1	31-1100MF				
6200	1	31-1100MF				
6300, 6400, 6500, 6600	2	31-1100MF				
7200, 7400, 7410	2	31-1100MF				
7600	2	31-1100MF				
7700, 7710	2	31-1100MF				
7800	2	31-1100MF				
7810	2	31-1100MF				
8100, 8200, 8300, 8400	2	31-1100MF				
8560	2	31-1100MF				
8570	2	31-1100MF				
8760, 8770	2	31-1100MF				
8850	3	31-1100MF				
8860	3	XN70ZZMF	N70ZZMF	EN70ZZMF		
8870	2	31-1100MF				
8960, 8970	3	31-1100MF				
9300	1	31-1100MF				
9400	1	31-1100MF				
9500	1	31-1100MF				
1010 DIESEL	1	31-1100MF				
1010 PETROL	2	XN50ZZMF	N50ZZMF	ENS70MF		
2040S	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
2345F	1	XDIN88MF	DIN88MF			
2355N	2	XDIN55MF	DIN55MF	EN55MF		
2855N	2	XDIN55MF	DIN55MF	EN55MF		
350C, 350D, 355D	1-2	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
JOHN DEERE (CONTINUED)						
TRACTOR						
450C	1-2	31-1100MF				
450E	1-2	31-1100MF				
450G	1	31-1100MF				
455E	1-2	31-1100MF				
455G	1	31-1100MF				
550B	1-2	31-1100MF				
550G	1	31-1100MF				
555B	1-2	31-1100MF				
555G	1	31-1100MF				
625G, 655B	1	31-1100MF				
750B	1-2	31-1100MF				
750LGP	1	N150MFF				
755A/B	1-2	31-1100MF				
850B	1	N150MFF				
850BLGP, 850LGP, 855B	1	N150MFF				
TREE HARVESTER, TURF MOWERS, UTILITY VEHICLES, VACUUMS, WINDROWERS						
141, 142, 151, 152, 161, 162	1	X56DMF	54DMF	ENS50PLMF		
756	1	X56DMF	54DMF	ENS50PLMF		
780	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
800, 830, 880	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
1500	1	X56DMF	54DMF	ENS50PLMF		
2243	1	X56DMF	54DMF	ENS50PLMF		
2280, 2420	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
2653	1					U1RMF
3325, 3365, 3430, 3830	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
4890	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
693C, 693D	1	31-1100MF				
743A	2	31-1100MF				
856	1	X56DMF	54DMF	ENS50PLMF		
JONES MOBILE CRANES						
KL22, KL44, KL66	2				ED12	
JUNE ROLLERS						
MOST MODELS	1				ED12	
KADO						
550	2	31-1100MF				
KELLY & LEWIS (K.L.)						
BULLDOG TRACTOR	1	N150MFF				
M40, N40, P48, S55	1				ED12	
KOMATSU						
D150, D155, D355	2	N200MFF				
D50, D55, D60, D65	2	N150MFF				
D80	2	N150MFF				
D80	2	N200MFF				
D85	2	N200MFF				
EXCAVATORS: PC200, PC220, PC250	1	N150MFF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
EXCAVATORS: PC300, PC400	1	N150MFF				
FORKLIFTS - 25/5, 25/7	1	MF40B20				
GRADER GD530, GD650	2	31-1100MF				
GRADER GD750	2	N150MFF				
WA250, WA350, WA350, WA380	1	N150MFF				
WA420, WA450	1	N150MFF				
WA500, WA600	1	N200MFF				
KUBOTA						
6 CYL GEN. SETS	1	N150MFF				
B1700	1	X60CPMF				
B21	1	MF55B24R				
B2100	1	X60CPMF				
B2150	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
B2400, B2710	1	X60CPMF				
B5100E	1	X60CMF	60CMF			
B6000 PETROL	1	X56DMF	54DMF	ENS50PLMF		
B6100	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
B6200	1	X60CMF	60CMF			
B7100, B7200	1	X60CMF	60CMF			
B7300	1	X60CPMF				
B7400, B7500	1	MF55B24R				
B8200	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
BX1800	1					U1RMF
BX2200: BX SERIES SUBCOMPACT TRACTORS	1					U1RMF
F2260	1	X55D23DMF	CMF55D23R	EN55D23RMF		
F2560	1	X55D23DMF	CMF55D23R	EN55D23RMF		
F3060: RIDER FRONT CUT MOWERS	1	X55D23DMF	CMF55D23R	EN55D23RMF		
G1800, G1800S	1	X60CPMF				
G1900S	1	X60CPMF				
G2160	1					U1RMF
G2460: RIDER FRONT CUT MOWERS	1					U1RMF
G400-200, G4200, G5-200	1	X40CMF	40CMF	ENS40ZALMF		
GF1800	1	X60CPMF				
GT1050	1	X40CMF	40CMF	ENS40ZALMF		
KH35 TRENCHER	1	X60DMF	60DMF			
L185	1	31-1100MF				
L235	1	31-1100MF				
L2350	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
L245	1	31-1100MF				
L2500	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
L2550	1	31-1100MF				
L260	1	31-1100MF				
L2650	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
L275, L285	1	31-1100MF				
L2900	1	XN50ZZMF	N50ZZMF	ENS70MF		
L295	1	31-1100MF				
L2950	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
KUBOTA (CONTINUED)						
L3000, L3010	1	XN50ZZMF	N50ZZMF	ENS70MF		
L305	1	31-1100MF				
L3300	1	XN50ZZMF	N50ZZMF	ENS70MF		
L3410	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
L345, L345SS	1	31-1100MF				
L35	1	XN50ZZMF	N50ZZMF	ENS70MF		
L355SS	1	31-1100MF				
L3600	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
L3710	1	XN50ZZMF	N50ZZMF	ENS70MF		
L4000	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
L405	1	31-1100MF				
L4200	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
L4310	1	XN50ZZMF	N50ZZMF	ENS70MF		
M110	1	N94MF				
M120	1	N94MF				
M4000	1	31-1100MF				
M4030	1	N150MFF				
M4050, M4500, M4700	1	31-1100MF				
M5030	1	N150MFF				
M5400	1	31-1100MF				
M5500	1	N150MFF				
M6030	1	N150MFF				
M6800	1	31-1100MF				
M7500	1	N150MFF				
M8030, M8200, M8970	1	31-1100MF				
M9000, M9580	1	31-1100MF				
T1400, T1460, T1500, T1560, T1700, T1760	1					U1RMF
T1860	1					U1RMF
TG1860	1	X60CPMF				
ZD18	1	X60CPMF				
ZD2: TURF MOWERS	1	X60CPMF				
LANSING BAGNALL						
AMS16	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
FODR, FOGR, FOPR	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TD200	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
LANSING HENLEY						
ALL MODELS 12 VOLT	1	31-1100MF				
LANZ BULLDOG						
D1706	1	X56DMF	54DMF	ENS50PLMF		
D2206, D2416	1	X56DMF	54DMF	ENS50PLMF		
D2803, D2806, D3606	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
LE TOURNEAU WESTINGHOUSE						
B.T.PULL & C.T. PULL	1	N200MFF				
CFA - 30, 35, 50, 65	2	N200MFF				
CP - 6	2	N200MFF				
CW TRACTOR	8				ED12	



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
LEYLAND						
154, 245	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
ALL OTHER TRACTORS	1	31-1100MF				
LINCOLN WELDERS						
225 & 300AC-DC	2	X43MF				
400AS	2	XN50ZZMF	N50ZZMF	ENS70MF		
400AS PERKINS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
500AS	2	XN50ZZMF	N50ZZMF	ENS70MF		
AK1189	1	X43MF				
AS1699	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
AS1906 4/6 GENERATOR	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
AS2046 4/2 GENERATOR	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
DIS-GEN 20, 25, 31 SAM DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
LINC-WELDER 225 PETROL	1	X43MF				
LINC-WELDER 225D-175 ELEC START	2	X43MF				
MASSEY FERGUSON						
AGRICULTURAL						
30	1	31-1100MF				
85	1	31-1100MF				
88	1	31-1100MF				
130, 135	1	31-1100MF				
154	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
165	1	31-1100MF				
174, 175	1	31-1100MF				
178	1	31-1100MF				
178	2	31-1100MF				
185	1	31-1100MF				
194	1	31-1100MF				
203	1	31-1100MF				
205	1	31-1100MF				
205	1	XN50ZZMF	N50ZZMF	ENS70MF		
210, 220	1	XN50ZZMF	N50ZZMF	ENS70MF		
230	1	XN50ZZMF	N50ZZMF	ENS70MF		
235	1	31-1100MF				
240, 245	1	XN50ZZMF	N50ZZMF	ENS70MF		
250	1	XN50ZZMF	N50ZZMF	ENS70MF		
254	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
255	2	XN50ZZMF	N50ZZMF	ENS70MF		
265, 270	2	XN50ZZMF	N50ZZMF	ENS70MF		
274	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
275, 285	2	XN50ZZMF	N50ZZMF	ENS70MF		
290	2	XN50ZZMF	N50ZZMF	ENS70MF		
294	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
298	2	XN50ZZMF	N50ZZMF	ENS70MF		
335	1	XDIN88MF	DIN88MF			
350, 355, 360, 365, 373, 375	1	XDIN66MF	DIN66MF	EN66MF		
390	1	XDIN66MF	DIN66MF	EN66MF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
MASSEY FERGUSON (CONTINUED)						
AGRICULTURAL						
394	1	XN50ZZMF	N50ZZMF	ENS70MF		
398, 399	1	XDIN66MF	DIN66MF	EN66MF		
510, 542, 550, 575, 585, 587	1	31-1100MF				
670, 690, 698, 699	2	XN50ZZMF	N50ZZMF	ENS70MF		
750	1	31-1100MF				
1010, 1020, 1030, 1040	1	XN50ZZMF	N50ZZMF	ENS70MF		
1085	2	31-1100MF				
1105, 1135, 1155	2	31-1100MF				
1230	1	XN50ZZMF	N50ZZMF	ENS70MF		
1505	2	31-1100MF				
1805	2	31-1100MF				
2135, 2135, 2203, 2205	1	31-1100MF				
2600	1	XDIN88HMF				
2605 - 2635	1	XDIN88HMF				
2640	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
2675	2	31-1100MF				
2705, 2745, 2775, 2805	2	31-1100MF				
3090	1	XDIN66MF	DIN66MF	EN66MF		
3245, 3260, 3270, 3280	2	XN50ZZMF	N50ZZMF	ENS70MF		
3303	1	31-1100MF				
3505, 3525	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
3535	1	XDIN66MF	DIN66MF	EN66MF		
3545	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
3630, 3650	1	XDIN66MF	DIN66MF	EN66MF		
3680	2	31-1100MF				
4270, 4800, 4840, 4880, 4900	2	XN50ZZMF	N50ZZMF	ENS70MF		
5400 - 6400	1	XDIN88HMF				
5430	2	XDIN66HMF	DIN66HMF			
5455	1	XDIN88HMF				
5465	2	XDIN88HMF				
6170, 6180	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
6470	2	XDIN66HMF	DIN66HMF			
6465		XDIN88HMF				
7619 - 7622	2	MF55H				
8120	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
8280	2	XN50ZZMF	N50ZZMF	ENS70MF		
8600 - 8690	2	XDIN88HMF				
8785	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
9740	2	31-1100MF				
9770	2	31-1100MF				
9795	2	31-1100MF				
1100 (MOUNTING MOD. REQ'D)	2	31-1100MF				
135P	1	X56DMF	54DMF	ENS50PLMF		
203X, 205 MK11, 205X	1	31-1100MF				
250 TRACTOR	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
3165R, 3165S	1	31-1100MF				
3305 (INDUSTRIAL)	2	31-1100MF				
35 PETROL	1	X56DMF	54DMF	ENS50PLMF		
35FE	1	31-1100MF				
35R	1	X56DMF	54DMF	ENS50PLMF		
65D	1	31-1100MF				
90 DIESEL	1	31-1100MF				
95 DIESEL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
FE135P, FE35D	1	X56DMF	54DMF	ENS50PLMF		
RED2	1	X56DMF	54DMF	ENS50PLMF		
SPREADER 760	2	31-1100MF				
SUPER 90	2	31-1100MF				
TEA20	1	X56DMF	54DMF	ENS50PLMF		
INDUSTRIAL						
20-C	1	XN50ZZMF	N50ZZMF	ENS70MF		
30B	1	XN50ZZMF	N50ZZMF	ENS70MF		
40B	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
50C	1	XN50ZZMF	N50ZZMF	ENS70MF		
MCDONALD						
ROAD ROLLER - 24 VOLT	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
MERCEDES						
1300 TRACTOR	1	N94MF				
MICHIGAN (CLARKE)						
125, 175	2	N120MFF				
125 SERIES 3 ALL ENGINES	2	N120MFF				
180 SERIES 3 ALL ENGINES	2	N120MFF				
280 SERIES 3 ALL ENGINES	2	N200MFF				
55 - R, AWS	1	N120MFF				
65 - A. R, AWS	1	N120MFF				
75 AND 85 SERIES 3 GM ENGINE	1	N150MFF				
75 AND 85 SERIES 3 LEYLAND ENGINE	2	31-1100MF				
85 SERIES - 85 - 111A	2	N120MFF				
B12B PETROL	1	X40CMF	40CMF	ENS40ZALMF		
RANGER V664 666 SKIDDER	2	31-1100MF				
MINNEAPOLIS						
G1000	2	31-1100MF				
G900	2	31-1100MF				
MITSUBISHI						
D1300	1	X60CMF	60CMF			
FD20, FD25	1	XDIN88MF	DIN88MF			
FG/D30, FG/D35	1	X56DMF	54DMF	ENS50PLMF		
FG14, FG15	1	X40CMF	40CMF	ENS40ZALMF		
FG20, FG25	1	XDIN55MF	DIN55MF	EN55MF		
NEW HOLLAND						
261	1	X56DMF	54DMF	ENS50PLMF		
1550 TURBO & 360CC	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
NUFFIELD						
3/42, 3/45, 10/42	1	31-1100MF				
3DL NUFFIELD	1	31-1100MF				
DM PERKINS DIESEL	2				ED12	
M - 3V, 4	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
MINI TRACTOR	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
PM - 4, 3	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
OLIVER						
12	1	N120MFF				
15, 18, 33, 35, 40	1				ED12	
90	1	N120MFF				
99	2				ED12	
100 BAILER COMBINES	1				ED12	
1600 WHEEL TRACTOR	2	N120MFF				
165 WHEEL TRACTOR	1	N120MFF				
431 COMBINES	1	X56DMF	54DMF	ENS50PLMF		
950 WHEEL TRACTOR	2	N120MFF				
DDH	1	N120MFF				
FDE	1	N200MFF				
FORKLIFT P50 WHEEL TRACTOR	1	X56DMF	54DMF	ENS50PLMF		
HG31, HG42 CRAWLER	1				ED12	
OC12	1	N200MFF				
OC15 CRAWLER	1	N120MFF				
OC18 CRAWLER	1	N200MFF				
OC3 CRAWLER, OC4 CRAWLER	1				ED12	
OC6 CRAWLER	2				ED12	
P&H EXCAVATOR						
55, 105, 1564, 1566	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
155 MOBILE CRANE	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
PACIFIC ROLLER TRUCK						
MOST MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
PENGO						
EARTH BORER	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
POCLAIN						
CC-120 EXCAVATOR	1	N94MF				
RANSOME & RAPIER CRANE						
1/2 TONNE TRUCK 8.5 SUPER DIESEL (2)	1				ED12	
2 TO 5 TONNE	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
8.5 TONNE PETROL	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
RENAULT						
3042, 3043	1				ED12	
ROSS						
C ROADSTER	8				ED12	
C&B	2	N200MFF				
CARRIER SERIES - 70&80, LOADER A	1				ED12	
D	4				ED12	



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
SAME TRACTORS						
ATLANTA	2				ED12	
AURORA 45	1	31-1100MF				
BUFFALO 120	1	N150MFF				
CENTAURO	2				ED12	
CENTURION	1	N150MFF				
CONDOR 55	1	XN50ZZLMF	N50ZZLMF	ENS70LMF		
CORSARO	2				ED12	
DOLFINO 35	1	31-1100MF				
DRAGON	1	N150MFF				
FALCON	1	31-1100MF				
LEOPARD 85	1	N150MFF				
MINI TAURUS	1	N120MFF				
MINITAURO	2				ED12	
SATURNO	2				ED12	
TIGER 100	1	N150MFF				
SHIBAURA						
1300	1	XN50ZZMF	N50ZZMF	ENS70MF		
1340	1	XN50ZZMF	N50ZZMF	ENS70MF		
1600, 1640, 2500, 2540	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
S320	1	XN50ZZMF	N50ZZMF	ENS70MF		
S445	1	XDIN88MF	DIN88MF			
U490F	1	N150MFF				
SMITH						
MOST MODELS	1				DC6V225	
STACA/STACATRUC						
MOST MODELS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
STEIGER						
BEARCAT 1000	3	31-1100MF				
BEARCAT II	1	N200MFF				
BEARCAT III (EARLIER MODELS)	2	N200MFF				
BEARCAT III (LATER MODELS)	4	31-1100MF				
COUGAR 1000 - CM, CR, KM, KR	3	31-1100MF				
COUGAR II	2	N200MFF				
COUGAR III (EARLIER MODELS)	2	N200MFF				
COUGAR III (LATER MODELS) - CS, KS, PT, PTA	4	31-1100MF				
LION 1000	4	31-1100MF				
PANTHER 1000 - CP, KP, PT, PTA	4	31-1100MF				
PANTHER II	2	N200MFF				
PANTHER III (EARLIER MODELS)	2	N200MFF				
PANTHER III (LATER MODELS)	4	31-1100MF				
PUMA 1000	2	31-1100MF				
ST470	4	31-1100MF				
TIGER ST450	4	31-1100MF				
WILDCAT 1000	2	31-1100MF				
WILDCAT II, WILDCAT III	1	N200MFF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
STEYR-DAIMLER						
180, 80 WITH STARTER	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
SUMITOMO						
LS 2800 EXCAVATOR	1	N94MF				
T.C.M.						
FD100	2	N150MFF				
FD25	1	XDIN88MF	DIN88MF			
FD35	2	N120MFF				
FG10, FG14	1	X43MF				
FG20, FG25	1	X56DMF	54DMF	ENS50PLMF		
TENNANT						
CONCRETE GROOVER G	1				ED12	
SCARIFIER K-4	1					U1RMF
SCARIFIER L-2	1	XN50ZZMF	N50ZZMF	ENS70MF		
SCRUBBER - 520, 527	1	XN50ZZMF	N50ZZMF	ENS70MF		
SCRUBBER 432	6				DC6V225	
SWEEPER 42	1					U1RMF
SWEEPER-210, 220, 240, 250, 280, 550, 710	1	XN50ZZMF	N50ZZMF	ENS70MF		
TOFT						
MK11 MERCEDES 10	2	31-1100MF				
MK111 CATERPILLAR	2	N200MFF				
TOURNADOZER						
LW16	8				ED12	
TOURNAPULL						
C ROADSTER	8				ED12	
D	1				ED12	
TOW MOTOR						
600, 7000, 680P, 8000LB	1				ED12	
MK. 11 PACEMAKER	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
TOYOTA FORKLIFTS						
2FD10, 2FD15	1	X43MF				
2FD20-25	1	X43MF				
2FD30	2	XN50ZZMF	N50ZZMF	ENS70MF		
2FD40-60	2	XN50ZZMF	N50ZZMF	ENS70MF		
2FG20-25	1	X43MF				
2FG32-35, 2FG40, 2FG50-60, 2FGC30	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
3FG10, 3FG15	1	X43MF				
3FGC20-25	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
FB - 10-15	2	XN50ZZMF	N50ZZMF	ENS70MF		
FB - 20-25, FB - 30, FB - 40, FB - 5, 7, 9	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
FCG10-15	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
FD100, FD150, FD250	2	XN50ZZMF	N50ZZMF	ENS70MF		
FD32-35	2	XN50ZZMF	N50ZZMF	ENS70MF		
FD40, FD80	2	XN50ZZMF	N50ZZMF	ENS70MF		
FDA150	2	XN50ZZMF	N50ZZMF	ENS70MF		
FDA50-60	2	XN50ZZMF	N50ZZMF	ENS70MF		
FDC20-25, FDC30	2	XN50ZZMF	N50ZZMF	ENS70MF		



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
FDT25	1	X43MF				
FDT25	2	XN50ZZMF	N50ZZMF	ENS70MF		
FG30	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
FG7, 9	1	X43MF				
SKD4 LOADER	1	31-1100MF				
SKD6 LOADER	2	31-1100MF				
TG10	1	X56DMF	54DMF	ENS50PLMF		
TRACK MARSHALL						
MOST MODELS	2				ED12	
TURNER						
DIESEL MK11	1	XDIN88MF	DIN88MF			
TUTT BRYANT						
EBLING JUNIOR SWEEPER	1				ED12	
LION	1				ED12	
PACIFIC ROLLER TRUCK	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
PENGO EARTH BORING MACHINE	1	XN50ZZMF	N50ZZMF	ENS70MF		
TWIN CITY						
BALER U. & G. 1954-55	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
BALER U. & G. TO 1953	1				ED12	
G.B.D.	2	N200MFF				
UTB UNIVERSAL						
445	1	N94MF				
445DT	1	N94MF				
550 FARMLINER	1	N94MF				
U650M	1	N150MFF				
UNIMOG (MERCEDES BENZ)						
1700L	1	X56DMF	54DMF	ENS50PLMF		
30D MERCEDES BENZ	1	31-1100MF				
TRACTOR - 800, 1000, 1500	1	N120MFF				
URSUS						
2812, 3512	1	31-1100MF				
VAL PADANA						
350	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
450, 455	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
330RS, 545RS, 555RS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
7060RS, 7070RS	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
VENDOR						
DR80	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
VERMEER						
CHIPPER 1200BC, 1220BC, 1230BC	1	31-1100MF				
CHIPPER 1250BC, 1600, 620, 625, 671, 935	1	XN50ZZMF	N50ZZMF	ENS70MF		
COMPACTOR TC23/33	1	XN50ZZMF	N50ZZMF	ENS70MF		
DIRECTIONAL BORER - D7, D14, D24	1	XN50ZZMF	N50ZZMF	ENS70MF		
FLEXTRAX - 75, 115	1	N150MFF				
LOG SPLITTER LS200	1	XN50ZZMF	N50ZZMF	ENS70MF		
STUMP CUTTER - 1102SC, 665B DIESEL, 672	1	31-1100MF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
VERMEER (CONTINUED)						
STUMP CUTTER - 186, 206, 222, 2465	1	XN50ZZMF	N50ZZMF	ENS70MF		
STUMP CUTTER - 618, 620, 625, 630A, 665	1	XN50ZZMF	N50ZZMF	ENS70MF		
TREE SPADES - TS30, TS44	1	XN50ZZMF	N50ZZMF	ENS70MF		
TRENCHER						
CC90, CC135, CC145	1	N150MFF				
LM35, LM40, LM42	1	31-1100MF				
M418, M434, M450D, M455, M470D	1	XN50ZZMF	N50ZZMF	ENS70MF		
M455, M475, M485, M495	1	N150MFF				
M5800, M5850, M7850	1	XN50ZZMF	N50ZZMF	ENS70MF		
OCC135, T650, T800, T1450, T1455	1	N200MFF				
T400C, T600D	1	N150MFF				
T555, T655, T658, T850, T755, T758	2	31-1100MF				
T855, T955, T1055, T1255, T1505	2	N200MFF				
V430, V440, V450, V455, V4150	1	XN50ZZMF	N50ZZMF	ENS70MF		
V4750, V5050, V5750, V5800	1	XN50ZZMF	N50ZZMF	ENS70MF		
V7650, V8050, V8550	1	N150MFF				
VERSATILE						
160	2	XN50ZZMF	N50ZZMF	ENS70MF		
256, 276	2	31-1100MF				
300	2	N200MFF				
400	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
500, 555	2	N200MFF				
700, 750	2	N200MFF				
756	2	31-1100MF				
800, 825, 835	2	N200MFF				
836, 846	3-4	31-1100MF				
850	2	N200MFF				
856	3-4	31-1100MF				
875	2	N200MFF				
876	3-4	31-1100MF				
895	2	N200MFF				
900, 935	2	N200MFF				
936	3-4	31-1100MF				
945	2	N200MFF				
946	3-4	31-1100MF				
950, 955	2	N200MFF				
956	3-4	31-1100MF				
975	2	N200MFF				
976, 9030	3-4	31-1100MF				
4400 SWATHERS	1-2	XN50ZZMF	N50ZZMF	ENS70MF		
4750 SWATHERS	1	31-1100MF				
744 LOADER TW8030	1	N94MF				
VOLVO						
L50, L70 LOADER	1	XDIN88MF	DIN88MF			
WABCO						
333F SCRAPER	2	N200MFF				



MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
HAULPAK 170 TONNE	2	31-1100MF				
WALTANIA						
TRAC 2000	1	N150MFF				
WHITE						
125	2	XN50ZZMF	N50ZZMF	ENS70MF		
140	2	31-1100MF				
145	2	XN50ZZMF	N50ZZMF	ENS70MF		
160	2	31-1100MF				
170	2	XN50ZZMF	N50ZZMF	ENS70MF		
185	2	31-1100MF				
195	2	XN50ZZMF	N50ZZMF	ENS70MF		
5542	1	XN50ZZMF	N50ZZMF	ENS70MF		
6105	1	N94MF				
7600	1	XDIN88MF	DIN88MF			
9700	3	31-1100MF				
9720	3	31-1100MF				
9815	2	XN50ZZMF	N50ZZMF	ENS70MF		
100, 120	2	31-1100MF				
1-28	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
2-135, 2-150, 2-155, 2-155, 2-180	2	31-1100MF				
2-35	2	31-1100MF				
2-45, 2-55, 2-62, 2-65, 2-75	2	XN70ZZMF	N70ZZMF	EN70ZZMF		
4-120, 4-150, 4-175, 4-180	2	31-1100MF				
4-210, 4-250, 4-255, 4-270, 4-280	2	31-1100MF				
4650, 4660	1	XDIN88MF	DIN88MF			
5660, 5670, 5680, 5760	1	XDIN88MF	DIN88MF			
60, 80	2	31-1100MF				
6045, 6085, 6090	1	XDIN88MF	DIN88MF			
6065C, 6065ROPS	1	XDIN88MF	DIN88MF			
6124, 6125, 6144, 6145, 6175, 6195	2	XN50ZZMF	N50ZZMF	ENS70MF		
6215, 6410, 6510	2	XN50ZZMF	N50ZZMF	ENS70MF		
6670, 6680, 6690	1	XDIN88MF	DIN88MF			
6710, 6810	2	XN50ZZMF	N50ZZMF	ENS70MF		
706D, 707D	1	N200MFF				
708, 709	1	N200MFF				
7630, 7650	1	N94MF				
800, 801, 802	1	N200MFF				
800A, 800C, 802A, 802C, 803A, 803C	2	31-1100MF				
8310, 8410	2	31-1100MF				
8510, 8610	2	XN50ZZMF	N50ZZMF	ENS70MF		
8700, 8900, 8920	2	XN50ZZLMF	N50ZZLMF	ENS70LMF		
9435, 9455	2	XN50ZZMF	N50ZZMF	ENS70MF		
9630, 9635, 9655, 9675, 9690, 9695	2	XN50ZZMF	N50ZZMF	ENS70MF		
FB16	1					U1RMF
FB185	2	31-1100MF				
FB21	1					U1RMF
FB31, FB37, FB43	1	XN70ZZMF	N70ZZMF	EN70ZZMF		



 FARM, TRACTOR & INDUSTRIAL RANGE BATTERIES FITMENT GUIDE ALPHABETICAL ORDER

MODEL	QTY	EXTREME	ENDURANCE	ENFORCER	INDUSTRIAL CYCLING	POWERIDER
WHITE (CONTINUED)						
GT-2055, GT225	1					U1RMF
LT14 LAWN TRACTORS	1					U1RMF
YALE FORKLIFT						
D DIESEL	1	XDIN88MF	DIN88MF			
G & GP SERIES	1				ED12	
YANMAR						
276	1	XN70ZZMF	N70ZZMF	EN70ZZMF		
336	1	31-1100MF				
ZETOR						
2511, 3511, 3545	1	XDIN88MF	DIN88MF			
4511	2	31-1100MF				
4712	1	31-1100MF				
5211, 5245	1	N150MFF				
5511, 5545	2	31-1100MF				
5711	1	31-1100MF				
6211, 6245	1	N150MFF				
6745	1	31-1100MF				
7211, 7245, 7711, 7745	1	N150MFF				
8011, 8045	1	31-1100MF				
8111, 8145	2	31-1100MF				
9111, 9145	2	31-1100MF				
10111, 10145	2	31-1100MF				
12011, 12045	1	31-1100MF				
12111, 12145	2	31-1100MF				
14145, 16145	2	31-1100MF				





Batteries

Fitment Guide



Lawn & Garden Powerlifer Range



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
AGCO ALLIS				
GEAR GARDEN TRACTORS				
1316H FRONT CUT			U1RMF	N06
411G, 512G, 514G, 516G, 1615G, 1716G			U1RMF	N06
GEAR RIDING MOWER				
409G, 411G, 412G			U1RMF	N06
HYDROSTATIC GARDEN TRACTORS				
1716H, 1717H, 1718H			U1RMF	N06
918H, 918PS, 1918H, 1920H	X58DMF			
HYDROSTATIC LAWN TRACTORS				
1614H, 1614HV, 1615H, 1616H			U1RMF	N06
512H, 514H, 516H			U1RMF	N06
HYDROSTATIC RIDING MOWER				
412H, 413H, 414H			U1RMF	N06
ZERO TURN RIDING MOWERS				
ZT14H, 16H			U1RMF	N06
AIR ELECTRIC MACHINE CO.				
LAWN & GARDEN TRACTORS				
380, DS-25, DS-30			U1RMF	N06
ARIENS/GRAVELY COMPANY				
COMMERCIAL RIDING MOWERS				
914000 SERIES			U1RMF	N06
GARDEN TRACTORS				
931000, 934000, 936000 SERIES			U1LMF	N05
LAWN & YARD TRACTORS				
929000, 935000, 936000 SERIES			U1LMF	N05
TILLERS				
914000 SERIES - ELECTRIC START			U1RMF	N06
ATLAS TOOL				
ER3000, ER7130			U1RMF	N06
BOLENS				
LAWN & GARDEN TRACTORS				
ALL DIESEL EXCEPT G2702, G2704	X40DPMF			
G2702, G2704 - DIESEL	XN50ZZMF	N50ZZMF		
HUSKY 850, 1050, 2028, 2030, 2036			U1RMF	N06
BOLENS CORPORATION				
LAWN & GARDEN TRACTORS				
1000 SERIES	X58DMF			
1300 SERIES			U1RMF	N06
1400 SERIES	X58DMF			
1400 SERIES			U1RMF	N06
1600 SERIES	X58DMF			
1600 SERIES			U1RMF	N06
2027, 2123			U1RMF	N06
3000 SERIES	X58DMF			
3000 SERIES, 5100 SERIES			U1RMF	N06
STH125, STG125			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
BUNTON				
WALK BEHIND				
BHT, BHC, 36", 48", 52", 61"			U1RMF	N06
ZERO TURN				
BBMH, BBM 50C, 60 C			U1RMF	N06
COLUMBIA				
387, 397, 455, 485, 497, 525, 667, 760			U1RMF	N06
COMMERCIAL CLIPPER				
1810, 2010			U1RMF	N06
COUNTRY CLIPPER				
ALL COMMERCIAL RESIDENTIAL MODELS			U1RMF	N06
CUB CADET (INTERNATIONAL HARVESTER)				
GARDEN TRACTORS				
1512 FROM 724,525 TO 799,999			U1RMF	N06
1572 FROM 724,525 TO 799,999			U1RMF	N06
1772 FROM 724,525 TO 700,999			U1RMF	N06
882 FROM NO 724,525 TO 700,999			U1RMF	N06
ALL OTHERS - PETROL			U1RMF	N06
LAWN & GARDEN TRACTORS				
1440, 1641, 1782, 1863, 1864	X58DMF			
182 FROM 100,001			U1RMF	N06
182 TO NO 70,000			U1LMF	N05
282 FROM 100,001			U1RMF	N06
282 TO NO 70,000			U1LMF	N05
382 FROM 100,001			U1RMF	N06
382 TO NO 70,000			U1LMF	N05
445			U1RMF	N06
583 FROM 100,001			U1RMF	N06
7192, 7194, 7195, 7273, 7234, 7235	X58DMF			
85, 85 SPECIAL, 86, 87			U1LMF	N05
CUSHMAN				
FRONT LINE, TURF TRUCKSTER	XN50ZZMF	N50ZZMF		
DEVERE-LOCKE				
TR-9, 12 1/2			U1LMF	N05
DIXIE CHOPPER				
5018, 5020, 5024, 6024			U1RMF	N06
DIXON				
ECONOMY TRACTOR				
PK1212			U1RMF	N06
OTHER				
308			U1LMF	N05
308, 424, 425, 42006 ZTR			U1RMF	N06
311, 427, 424, 425, 42006 ZTR			U1LMF	N05
RIDING MOWERS				
ZTR310, 312, 361, 428, 429, 502			U1LMF	N05
ZERO TURNING RIDERS				
2301, 3303, 3304, 3362			U1LMF	N05
4421, 4422, 5421, 5501, 5601, 6601			U1LMF	N05



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
DIXON (CONTINUED)				
ZERO TURNING RIDERS				
ZTR1001, 3303, 3362, 5423, 5502, 5601			U1LMF	N05
ZTR6022			U1RMF	N06
DUETZ				
1036, 1814, 1816, 1817			U1RMF	N06
5220, 5230 - DIESEL	XN70ZZLMF	N70ZZLMF		
600, 800 SERIES			U1RMF	N06
DYNAMARK				
RIDING MOWERS				
1200 SERIES			U1RMF	N06
3188, 3189, 3812, 3912, 3916, 4012			U1RMF	N06
4518, 4618, 5180, 5181			U1RMF	N06
5184, 5188, 5283, 5288, 5289, 5293, 5296, 5297			U1RMF	N06
A3611			U1RMF	N06
TRACTORS				
12.05HP 40", 14.5HP 40", 18HP 43"			U1RMF	N06
E.T. RUGG				
5049-E2, 5049-E4, 5069-E, 5088-E, 5089-E			U1RMF	N06
ECONOMY TRACTOR				
PK1212			U1RMF	N06
RIDING MOWERS				
36K 250	X58DMF			
48B 350, 48B 450, 48K 250, 60B 350, 60B 450	X58DMF			
WALK BEHINDS				
32B 100, 32K 100, 36K 100			U1RMF	N06
36K 200, 36K 250, 48K 200			U1RMF	N06
48B 450WT, 52B 300, 48K 250WT, 48B 350WT			U1RMF	N06
52B 350, 52B 450, 52K 200			U1RMF	N06
ZERO TURNING RIDERS				
42B 350Z, 48B 450Z			U1RMF	N06
ENCORE				
RIDERS				
36K 250, 48K 250, 48B 250	X58DMF			
60B 350, 48B 250, 60B 450	X58DMF			
ENGINEERING PRODUCTS COMPANY				
JIM DUNDY			U1LMF	N05
EXCEL				
2250, 251, 251K, 20060, 20061, 20062			U1RMF	N06
2500 COMPACT			U1RMF	N06
275, 285, 295, 305D, 320, 340, 400, 440	XN50ZZLMF	N50ZZLMF		
4100-4500 SERIES, 4420 HUSTLER	XN50ZZLMF	N50ZZLMF		
EXMARK				
COMMERCIAL 60, LAZER Z, TURF RANGER			U1RMF	N06
TURF RANGER, TURF TRACER HYDRO & EXPLORER			U1RMF	N06
TURF TRACTOR 22HP KOHLER			U1RMF	N06
FERRIS				
COMMERCIAL 52			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
COMMERCIAL 52			U1LMF	N05
CRITERION 320, 430, CTR			U1RMF	N06
FERRIS				
G1418, 1818, 1820, H1618, 1818, 2020			U1RMF	N06
HYDRO WALK DUAL DRIVE 52			U1LMF	N05
HYDRO WALK SINGLE & DUAL DRIVE			U1RMF	N06
PRO CUT 19, 22, 32, 61, PRO DRIVE 72			U1RMF	N06
FLO-MOW MOWER COMPANY				
JETX 200668			U1RMF	N06
FORD				
LAWN & GARDEN TRACTORS				
66, 70, 75, 80, 100, 120, 125, 145, 165			U1RMF	N06
LGT100, 120, 125, 145, 165			U1RMF	N06
LT75, RMT66			U1RMF	N06
GENERAL APPLIANCE				
ALL ELECTRIC START			U1RMF	N06
GILSON				
GARDEN TRACTORS				
14, 14E, 14HE, 18E, 18HE			U1RMF	N06
REAR ENGINE MOWERS				
8E, 11E, 12E			U1RMF	N06
TURF VEHICLES				
53037			U1RMF	N06
YARD TRACTORS				
11E, 11HE, 125.5, 16, 16E, 16HE			U1RMF	N06
GRASS HOPPER				
411, 616, 1200, 1212, 1600			U1RMF	N06
ALL 600 & 900 SERIES			U1RMF	N06
ALL 700 SERIES - AIR COOLED			U1RMF	N06
GRAVELY				
PROMASTER 300 SERIES			U1RMF	N06
PROMASTER 400 SERIES	XN50ZZLMF	N50ZZLMF		
GREAT DANE				
WALK BEHINDS				
GDZ 52KH & GD 51KH			U1RMF	N06
HAHN				
LAWN & GARDEN TRACTORS				
12006, 130, 132, 736, 836			U1RMF	N06
HEILMAN ENTERPRISES				
220, 440, 550, 555			U1LMF	N05
ALL OTHERS			U1RMF	N06
HOMELITE DIV. TEXTRON				
LAWN & GARDEN TRACTORS				
180HIE63			U1RMF	N06
730-OLE			U1LMF	N05
EH / HL 4400			U1RMF	N06
LT1034, 1242			U1LMF	N05
LT1238G, LT1438G			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
HOMELITE DIV. TEXTRON (CONTINUED)				
LAWN & GARDEN TRACTORS				
T-8, YT14, 16, 18			U1LMF	N05
HONDA				
LAWN & GARDEN TRACTORS				
3009, 3810, 3813, 4213			U1RMF	N06
H4013, 4514, 4518, 7020			U1RMF	N06
RIDING MOWERS				
HARMONY 1011, 2013			U1RMF	N06
HOWARD PRICE				
TURF EQUIPMENT				
360Z			U1RMF	N06
ALL OTHER RIDERS	XN50ZZMF	N50ZZMF		
HYDRA POWER 180	XN50ZZMF (2)	N50ZZMF (2)		
HYDRO POWER 1280 RIDER	XN50ZZMF	N50ZZMF		
TURF BLAZER 48, TURF BLAZER 48 & 52 WALK BEHIND			U1RMF	N06
TURF BLAZER 52 WALK BEHIND			U1RMF	N06
TURF BLAZER 530 & 727	XN50ZZMF	N50ZZMF		
HUFFMAN				
RIDING MOWERS				
HUFFY 32 RIDERS			U1RMF	N06
HUSQVARNA				
TRACTORS				
970 RIDER			U1LMF	N05
GT200, GTH200, GTH220			U1LMF	N05
LR110, 120, 125			U1RMF	N06
LRH125			U1RMF	N06
LT120, 130			U1LMF	N05
LTH120, 145			U1LMF	N05
LTH140			U1RMF	N06
YTH150, YTH180, YT180, YT140			U1LMF	N05
HUSTLER				
2500 RIDER			U1LMF	N05
251K & 20060K RIDERS			U1RMF	N06
3000 SERIES	XN50ZZLMF	N50ZZLMF		
320, 340, 362	XN50ZZMF	N50ZZMF		
EXCELL			U1RMF	N06
SHORT CUT STAND BEHIND 1500			U1LMF	N05
INGERSOL				
FRONT CUT MOWERS				
5012, 5016, 5018, 5018CD			U1RMF	N06
5020V, 5118D, 5318V, 5320V, 5720V, 5822K			U1RMF	N06
GARDEN TRACTORS				
2000 SERIES			U1RMF	N06
210, 220, 222, 224, 22006			U1RMF	N06
3000 SERIES, 400 SERIES, 4000 SERIES			U1RMF	N06
3010, 3012, 3014, 3018			U1RMF	N06
4014, 4016, 4018, 4020, 4116, 4118, 4120			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
444, 446, 448, 648			U1RMF	N06
RIDING MOWERS				
808			U1RMF	N06
TRACTOR LOADER				
6018			U1RMF	N06
6020BH			U1RMF	N06
YARD TRACTORS				
108			U1RMF	N06
110			U1RMF	N06
111			U1RMF	N06
112, 112B			U1RMF	N06
114, 114B			U1RMF	N06
116, 116B			U1RMF	N06
1212G, 1212H			U1RMF	N06
1214			U1RMF	N06
2012			U1RMF	N06
2014			U1RMF	N06
INTERNATIONAL HARVESTER				
CUB CADETS				
1000, 1100, 1200			U1RMF	N06
108, 109			U1RMF	N06
1250, 1450, 1650			U1RMF	N06
128, 129, 149, 169			U1RMF	N06
182, 282, 382, 482			U1RMF	N06
502, 602, 702			U1RMF	N06
800			U1RMF	N06
86			U1RMF	N06
982			U1RMF	N06
JC PENNY				
931-2703			U1RMF	N06
931-2737			U1RMF	N06
931-5730			U1RMF	N06
JL CASE				
COMPACT TRACTORS				
108			U1RMF	N06
108XC			U1RMF	N06
110			U1RMF	N06
110XC			U1RMF	N06
116XC			U1RMF	N06
118			U1RMF	N06
210			U1RMF	N06
220			U1RMF	N06
222			U1RMF	N06
224			U1RMF	N06
22006			U1RMF	N06
444			U1RMF	N06
446			U1RMF	N06
448			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
JL CASE (CONTINUED)				
COMPACT TRACTORS				
644			U1RMF	N06
646			U1RMF	N06
648			U1RMF	N06
80			U1RMF	N06
80XC			U1RMF	N06
JOHN DEERE				
FRONT MOWERS				
F1145	X40CMF	40CPMF		
F510, F525			U1RMF	N06
LAWN & GARDEN TRACTORS				
110 - 10HP ENGINE	X58DMF			
110 - 8HP ENGINE			U1RMF	N06
111			U1RMF	N06
112 FROM 160001	X58DMF			
112 TO NO 16000			U1RMF	N06
112L			U1RMF	N06
116			U1RMF	N06
120	X58DMF			
130			U1RMF	N06
140	X58DMF			
160, 165			U1RMF	N06
170, 175			U1RMF	N06
180, 185			U1RMF	N06
200, 208			U1RMF	N06
210, 212, 214, 216	X58DMF			
240, 20060			U1RMF	N06
20065, 285, 300, 318	X58DMF			
322			U1RMF	N06
325, 345	X40CMF	40CPMF		
330, 332			U1RMF	N06
400	X58DMF			
415			U1RMF	N06
425			U1RMF	N06
445	X40CMF	40CPMF		
455			U1RMF	N06
60, 70, 100, 108			U1RMF	N06
GT242, GT20062, GT275			U1RMF	N06
LX172, LX176, LX178			U1RMF	N06
LX186, LX188			U1RMF	N06
STX30, STX38, STX46			U1RMF	N06
RIDING MOWERS				
50, 60, 68			U1RMF	N06
GX70, GX75, GX95			U1RMF	N06
R72, R92			U1RMF	N06
S80, S82, S92			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
SRX75, SRX95			U1RMF	N06
SX75, SX95			U1RMF	N06
WALK BEHIND MOWERS				
32, 36, 48, 52			U1RMF	N06
KEES				
48, 60			U1RMF	N06
ZT MAX RIDER			U1RMF	N06
KIOTI				
LB1914, LK2554	XN50ZZLMF	N50ZZLMF		
LK3054	XN50ZZLMF	N50ZZLMF		
KUBOTA				
B-SERIES TRACTORS				
B1700, B2100, B2400	X40CMF			
B8200, 9200	XN50ZZLMF	N50ZZMF		
COMPACT TRACTORS				
1550, 1750, 2150	XN50ZZLMF	N50ZZMF		
4200, 5200, 6200, 7200	XN50ZZLMF	N50ZZMF		
HST SERIES	XN50ZZLMF	N50ZZMF		
G-SERIES TRACTORS				
G1800, G1800S, G1900S	X40CPMF	40CPMF		
G3200, 4200, 5200, 6200			U1RMF	N06
LAWN & GARDEN TRACTORS				
7200			U1RMF	N06
PX2100			U1RMF	N06
RIDER FRONT MOWERS				
GF1800 (4WD), GF1800E	X40CPMF	40CPMF		
T-SERIES TRACTORS				
T1400, T1700X, T1700HX			U1RMF	N06
T1460, 1560, 1760			U1RMF	N06
LAWN BOY				
LAWN & GARDEN TRACTORS				
52138 12HP			U1RMF	N06
52142 11HP			U1RMF	N06
52149 HYDRO 12HP			U1RMF	N06
52161 HYDRO 12.05HP			U1RMF	N06
ES SERIES			U1LMF	N05
ES SERIES			U1RMF	N06
LT11, 12, 12H			U1RMF	N06
OTHER				
9303E, 9325E, 9328E, 9328ES, 9365E			U1RMF	N06
9368E, 9368ES, 9369ES, 9329ES			U1RMF	N06
9369ES, 9329ES			U1LMF	N05
REAR ENGINE RIDING MOWERS				
52144 8HP			U1RMF	N06
52145 12HP			U1RMF	N06
RE 8E, 12E			U1RMF	N06
YARD TRACTORS				
52140 16HP			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
LAWN BOY (CONTINUED)				
YARD TRACTORS				
52153 12.05HP			U1RMF	N06
52163 14HP			U1RMF	N06
52164 16HP			U1RMF	N06
YT16			U1RMF	N06
LESCO				
COMMERCIAL RANGE				
52 ZERO TURN RADIUS RIDER			U1RMF	N06
HYDRO 52" WALK BEHIND			U1RMF	N06
HYDRO COMMERCIAL WALK BEHIND				
030248, 030252, 24952			U1RMF	N06
ZERO TURN MOWERS				
52 ZTR			U1RMF	N06
LCR2200 TRACTOR	XN50ZZMF	N50ZZMF		
MAGNUM				
ALL MODELS			U1RMF	N06
MASSEY FERGUSON				
COMPACT TRACTORS				
MF1020, MF1030, MF1040	XN50ZZMF	N50ZZMF		
MF14, 16	XN50ZZMF	N50ZZMF		
MF205, MF210, MF220	XN50ZZMF	N50ZZMF		
GEAR LAWN TRACTOR				
2512G, 2514G			U1RMF	N06
HYDROSTATIC FRONT CUT 2316H			U1RMF	N06
GEAR RIDING MOWER				
2490G, 2411G			U1RMF	N06
HYDROSTATIC GARDEN TRACTORS				
2717H, 2718H			U1RMF	N06
HYDROSTATIC LAWN TRACTORS				
2512H, 2514H, 200616C			U1RMF	N06
200614H, 200615H, 200616H			U1RMF	N06
HYDROSTATIC RIDING MOWER				
2412H, 2413H, 2414H			U1RMF	N06
ZERO TURN RIDING MOWER				
ZT14H, ZT16H			U1RMF	N06
MAXIM				
ALL MODELS			U1RMF	N06
MITSUBISHI				
LAWN & GARDEN TRACTORS				
210, 250	XN50ZZMF	N50ZZMF		
MONTGOMERY				
RIDING MOWERS				
1300-1400 SERIES			U1RMF	N06
MORRIDGE				
1210, 1622, 1822			U1RMF	N06
MOWETT				
ALL ELECTRIC START MODELS			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
RIDING MOWERS				
248E MUSTANG			U1RMF	N06
MTD				
RIDERS & TRACTORS				
B560B, E451F, H661F			U1RMF	N06
G695G, M660G, Q665H, S825H			U1RMF	N06
L450C, L660F			U1RMF	N06
YARDSMAN				
812, 852			U1RMF	N06
MURRAY OHIO				
HEAVY DUTY GARDEN TRACTORS				
46379, 52370			U1RMF	N06
LAWN TRACTORS				
38500, 40530, 42560, 46560			U1RMF	N06
REAR ENGINE RIDERS				
30545			U1RMF	N06
RIDING MOWERS				
10HP 30", 12HP 38", 12.05HP 40"			U1RMF	N06
14.5HP 42", 16HP 42", 16HP 46"			U1RMF	N06
14/40, 14/46, 18/42			U1RMF	N06
18HP 46" LTX, 18.5HP 46" GT			U1RMF	N06
18HP 46", 18HP 46" GT			U1RMF	N06
31515, 31704, 35560, 36502, 36506			U1RMF	N06
35500, 38204, 38205, 38206, 38211			U1LMF	N05
36508, 36519, 36523, 36534, 36557			U1RMF	N06
36560, 38219, 40713			U1RMF	N06
3662, 3666, 3667, 3697, 4169, 4297			U1RMF	N06
38219, 39044, 40700, 40708			U1LMF	N05
WALK BEHINDS				
20705 X6, 20705 X92			U1RMF	N06
TRACTORS				
ALL TRACTORS			U1RMF	N06
NOMA				
14.5HP 40", 14.5HP 43"			U1RMF	N06
14450 SIGNATURE PREMIER			U1RMF	N06
14543 SIGNATURE			U1RMF	N06
15HP 43", 16HP 43"			U1RMF	N06
1643P, 1846P, 2046P			U1RMF	N06
AUTOMATIC DRIVE 19HP 46"			U1RMF	N06
COMMAND 18HP 43"			U1RMF	N06
GT 18HP 46", GT 18HP 43"			U1RMF	N06
GT1-1646			U1RMF	N06
GTX-1846			U1RMF	N06
LT-1239			U1RMF	N06
LX-1240			U1RMF	N06
LX-1340, 1440, 1646			U1RMF	N06
POLOREN PRODUCTS				
6502M, 6503M, 6504M			U1LMF	N05



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
POLOREN PRODUCTS (CONTINUED)				
8900, 9900 SERIES			U1RMF	N06
POULAN				
1388, 14542, 2050			U1LMF	N05
155H42, 22H50, 16H42			U1LMF	N05
EXG1182V			U1RMF	N06
PP11536			U1RMF	N05
PP125H38, 14H42, 1844			U1LMF	N05
PP125H38, PP14542			U1LMF	N05
PP15H42, PP1844, PP2050			U1LMF	N05
XEG1182H			U1RMF	N06
XEL1122			U1RMF	N06
XEY1142			U1RMF	N06
POWER KING				
1212, 1214			U1RMF	N06
1220HV			U1RMF	N06
1620GV, 1622HV, UT622HV	X58DMF			
TRACTORS				
1218HV, 1618GV			U1LMF	N05
1620HV, UT620HV			U1LMF	N05
RALLY				
10, 11, 12, 14, 18HP			U1RMF	N06
1036, 1238, 1438			U1LMF	N05
A6HP			U1RMF	N06
GT250			U1LMF	N05
RL18-44			U1LMF	N05
RANSOMES				
951D	XN50ZZMF	N50ZZMF		
BOB CAT WALK BEHIND, ZT2000			U1RMF	N06
CUSHMAN GROOM MASTER	XN50ZZLMF	N50ZZLMF		
T-16K			U1RMF	N06
T-1861			U1RMF	N06
T3100 RIDER			U1RMF	N06
RICH				
WR-1700, 2000, 2500			U1RMF	N06
ROOF				
30-N8-E, 830-E			U1LMF	N05
493081, 49200683, 93071			U1RMF	N06
ROOT				
30-N7-3			U1LMF	N05
ROPER				
RIDING MOWERS				
22, 63, 322, 323, 622, 632			U1RMF	N06
633, 822, 863			U1RMF	N06
SABRE - BY JOHN DEERE				
1538 & 15.538			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
SCAG POWER EQUIPMENT				
LAWN & GARDEN TRACTORS				
ST SERIES			U1RMF	N06
STG SERIES			U1RMF	N06
STH-13KA, -13KH, -14BV, -14KH			U1RMF	N06
STH-18KH			U1RMF	N06
STH-20KH			U1RMF	N06
STHM-18KH			U1RMF	N06
STHM-20KH			U1RMF	N06
STZ52-20KH			U1RMF	N06
SW-18KHE			U1RMF	N06
SW-20KHE			U1RMF	N06
SWZ-20KHE			U1RMF	N06
SIMPLICITY				
GEAR LAWN TRACTORS				
BROADMOOR 15G, REGENT 12G			U1RMF	N06
LANDLORD 14G, 16G			U1RMF	N06
REGENT 16H			U1RMF	N06
GEAR RIDING MOWERS				
CORONET 9G, 11G, 12G			U1RMF	N06
HYDROSTATIC FRONT CUTS				
FRONT CUT 16H			U1RMF	N06
HYDROSTATIC GARDEN TRACTORS				
LANDLORD 16H, 17H, 18H			U1RMF	N06
REGENT 14H			U1RMF	N06
SOVEREIGN 18H, 18PS	X58DMF			
SUN STAR 18H, 20H	X58DMF			
HYDROSTATIC LAWN TRACTORS				
BROADMOOR 14H, 14HV, 15H, 16H			U1RMF	N06
REGENT 12H, 14H, 16H			U1RMF	N06
HYDROSTATIC RIDING MOWERS				
CORONET 12H, 13H, 14H			U1RMF	N06
LAWN & GARDEN TRACTORS				
12FCH, 16CFC, 16GTH			U1RMF	N06
3105, 3108, 3110			U1RMF	N06
4080, 4111, 4208, 4211, 4212			U1RMF	N06
5008, 5211, 5212, 5216			U1RMF	N06
6008, 6011, 6211, 6216			U1RMF	N06
7790	XN50ZZMF	N50ZZMF		
990780			U1RMF	N06
ZERO TURN RIDING MOWERS				
ZT14H, 16H			U1RMF	N06
SNAPPER				
WALK MOWERS				
ALL MODELS LAWN & GARDEN TRACTORS			U1LMF	N05
SPEEDEX				
LAWN & GARDEN TRACTORS				
1240, 1240M, 1320, 1330, 1640, 1640M			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
SPEEDEX (CONTINUED)				
LAWN & GARDEN TRACTORS				
1722, 1732, 1822			U1RMF	N06
S17, S18, S19, 820, 840, 1020, 1030			U1RMF	N06
SPIRIT				
HYDROSTATIC DRIVE RIDERS				
1650H, 1850H, 1860H			U1LMF	N05
Q-DRIVE RIDERS				
1136Q, 1236Q, 1442Q, 1650Q			U1LMF	N05
ZERO TURNING REAR ENGINED MOWERS				
LAWN PRO 14H, 16H, 18H, 20H			U1RMF	N06
LAWN SPORT 14LS, 16LS, 18LS			U1RMF	N06
SWISHER				
1642H, 1650H, 1850H, 2060H			U1RMF	N06
AZV-6, A22/AZV			U1RMF	N06
SYCAMORE				
732E			U1RMF	N06
TORO				
COMMERCIAL RIDING MOWERS				
58, 70 PRO			U1RMF	N06
GROUND MASTER 117			U1RMF	N06
GROUND MASTER 72	XN50ZZMF	N50ZZMF		
GROUND MASTER 120			U1RMF	N06
PROLINE 37, 52, 62 WALK BEHINDS			U1RMF	N06
PROLINE 620Z, 724Z RIDERS			U1RMF	N06
LAWN & GARDEN TRACTORS				
12-32XL, 13-38XL, 14-38XL			U1RMF	N06
1200, 1600, 12-32XL			U1RMF	N06
13-38XL, 14-38XL			U1RMF	N06
16-44XHL			U1RMF	N06
210, 212, 216, 310, 312, 312-8			U1RMF	N06
20065-6, 20066H, 314 HYDRO			U1RMF	N06
312-H, 416, 520, 612, 620, 724			U1RMF	N06
415 HYDRO, 520 HYDRO, 312			U1RMF	N06
55151, 55152, 57360, 57356			U1RMF	N06
940, 37300, 37351, 55150			U1RMF	N06
BIG RED LT6, CT7, LT7, LT7E			U1RMF	N06
TE10, 12			U1RMF	N06
OTHER				
8-25, 11-32, 13-32			U1RMF	N06
56027, 56033, 56044			U1RMF	N06
TURF SWEEPER				
TORO TURF SWEEPER	XN50ZZMF	N50ZZMF		
WALK BEHINDS				
30167, 31059, 30177, 30182, 30183			U1RMF	N06
30187, 30189, 30192			U1RMF	N06
ZERO RADIUS TRACTORS				
ZRT320, 325, Z222, Z218			U1RMF	N06



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
TROY BUILT				
LAWN & GARDEN TRACTORS				
13, 15 GEAR & HYDRO			U1RMF	N06
13000 SERIES			U1RMF	N06
16, 18 HYDRO			U1RMF	N06
20065-6, 20066-H			U1RMF	N06
3000 SERIES			U1RMF	N06
312, 361106, 361107, 361113			U1RMF	N06
314, 415, 520 HYDRO			U1RMF	N06
GTX, GTX 18			U1RMF	N06
HORSE & BIG RED HORSE ROTOTILLER			U1RMF	N06
TILLERS			U1RMF	N06
TRU-TEST				
22-832, 6-1036, 7-1036, 8325, 10365			U1RMF	N06
283000000, 3-83DE-5			U1RMF	N06
7-1036DE-5			U1RMF	N06
WDE-10365, WDE-8325			U1RMF	N06
WE-10365, WE-8325			U1RMF	N06
TURFMASTER				
18/42			U1RMF	N06
ULTRA				
TRACTORS				
15.5HP 42", 17HP 46"			U1RMF	N06
19HP 46", 20HP 46"			U1RMF	N06
VECTRAL				
RIDERS				
11.5HP 30"			U1RMF	N06
TRACTORS				
13HP 40", 14HP 42"			U1RMF	N06
16.5HP 42"			U1RMF	N06
VOELLER				
SS7			U1RMF	N06
WHITE				
LAWN & GARDEN TRACTORS				
1000, 1800, 2000			U1RMF	N06
80, R80, T80, T85, 100, 165, 180, 800			U1RMF	N06
GT-2055			U1RMF	N06
WIKOV				
2500, 2512, 1515, 2516, 2520, 4320			U1RMF	N06
5000, 5013, 5032, 5033	31-1100CMF			
WOODS				
1250, 1850			U1RMF	N06
YAMAHA				
3600, 5700, 6700, 6800			U1RMF	N06
GT14YM140, YM189	X40CPMF	40CPMF		
YM220	XN50ZZMF	N50ZZMF		



 **LAWN & GARDEN POWERIDER RANGE BATTERIES**

MODEL	EXTREME	ENDURANCE	POWERIDER GOLD	POWERIDER SILVER
YARD MAN				
TRACTORS				
999, Y834P			U1RMF	N06
YAZOO				
RIDERS				
YR30, YZTK20			U1RMF	N06
WALK BEHINDS				
YHRK230, YHRLK20, YHRLD212	XN50ZZMF	N50ZZMF		
YHRLD25, YTK25, YTCK22	XN50ZZMF	N50ZZMF		





EXIDE®

Batteries

Fitment Guide



Marine Stowaway Range



MODEL	STARTING	DUAL PURPOSE
MARINE POWER AUSTRALIA		
MARINER		
9.9	MSST22	
15	MSST22	
20	MSST22	
25	MSST22	
30	MSST22	
40	MSST27	MSDP31
50	MSST27	MSDP31
60	MSST27	MSDP31
75	MSST27	MSDP31
90	MSST27	MSDP31
115	MSST27	MSDP31
V-6	MSST27	MSDP31
MERCURISER		
120	MSST24	MSDP27D
140	MSST24	MSDP27D
170	MSST27	MSDP31
185	MSST27	MSDP31
190	MSST27	MSDP31
200	MSST27	MSDP31
205	MSST27	MSDP31
230	MSST27	MSDP31
20060	MSST27	MSDP31
330	MSST27	MSDP31
340	MSST27	MSDP31
370	MSST27	MSDP31
MERCURY		
18	MSST24	MSDP27D
25	MSST24	MSDP27D
35	MSST24	MSDP27D
50	MSST24	MSDP27D
60	MSST24	MSDP27D
75	MSST27	MSDP31
90	MSST27	MSDP31
115	MSST27	MSDP31
135	MSST27	MSDP31
OPTIMAX	MSST27	MSDP31
THRUSTER	MSST27	MSDP31
V-6	MSST27	MSDP31





MODEL	STARTING	DUAL PURPOSE
OUTBOARD MARINE AUSTRALIA		
EVINRUDE & JOHNSON		
9.9	MSST22	
15	MSST22	
25	MSST22	
35	MSST24	MSDP27D
135-225 HP (REQUIRES MIN 750 CCA)	MSST27	MSDP31
V-6	MSST27	MSDP31
SHAKESPEARE ELECTRIC OUTBOARD		
14	MSST27	MSDP31
30	MSST27	MSDP31
15W	MSST27	MSDP31
30Q	MSST27	MSDP31
SUZUKI OUTBOARDS		
9.9	MSST22	
15	MSST22	
20	MSST22	
40	MSST22	
55	MSST27	MSDP31
65	MSST27	MSDP31
85	MSST27	MSDP31
115	MSST27	MSDP31
140	MSST27	MSDP31
25/30	MSST22	
TOHATSU		
MOST MODELS	MSST27	MSDP31
YAMAHA - OUTBOARDS		
9.9	MSST22	
15	MSST22	
20	MSST22	
25	MSST22	
30	MSST24	MSDP27D
40	MSST27	MSDP31
50	MSST27	MSDP31
60	MSST27	MSDP31
80	MSST27	MSDP31
90	MSST27	MSDP31
115	MSST27	MSDP31
140	MSST27	MSDP31
150	MSST27	MSDP31
175	MSST27	MSDP31
200	MSST27	MSDP31
220	MSST27	MSDP31





Batteries

Useful Carpark Information

USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
609,286	HOLDEN	COMMODORE VT VX VY VZ ALL TYPES	1997 TO 2006	54CMF
604,015	FORD	FALCON	1994 TO 2009	54DMF
473,607	TOYOTA	CAMRY	1993 TO 1997	55D23CMF
257,742	MAZDA	3	2004 TO CURRENT	55D23CMF
235,568	HOLDEN	COMMODORE VB VC VH VK VN VP VR VS ALL TYPES	1978 TO 1997	52DMF
200,792	HOLDEN	ASTRA	1996 TO 2009	DIN66MF
182,509	MITSUBISHI	LANCER	1997 TO CURRENT	40CMF
160,158	FORD	FALCON UTE	1993 TO CURRENT	54DMF
145,840	TOYOTA	HILUX	1999 TO CURRENT	N70ZZL
140,365	NISSAN	PULSAR	1992 TO 1997	40CPMF
138,496	TOYOTA	LANDCRUISER PRADO	CURRENT	55D23CMF
135,547	TOYOTA	COROLLA	CURRENT	40CMF
131,871	TOYOTA	RAV4	2004 TO CURRENT	55D23CMF
125,489	HYUNDAI	GETZ	CURRENT	N50ZZL
124,109	TOYOTA	COROLLA	2006 TO 2010	60CMF
118,742	TOYOTA	YARIS	2005	60CMF
109,949	SUBARU	FORESTER	2000 TO CURRENT	55D23CMF
109,898	HONDA	CIVIC	1997 TO 2010	60DMF
106,558	TOYOTA	COROLLA	2002 TO 2006	40CMF
103,252	FORD	TERRITORY-PETROL	2004 TO CURRENT	54DMF
103,149	NISSAN	PATROL	1988 TO CURRENT	N70ZZL
101,575	TOYOTA	COROLLA 1.6L 1.8L	1998 TO CURRENT	60CMF
96,712	HOLDEN	BARINA	2001 TO CURRENT	DIN66MF
95,241	NISSAN	X-TRAIL	CURRENT	55D23CMF
91,435	TOYOTA	LANDCRUISER	CURRENT	N50ZZL
76,841	TOYOTA	HIACE	1980 TO CURRENT	55D23DMF
76,793	NISSAN	NAVARA 3.0L	2001 TO CURRENT	N70ZZL
75,458	HYUNDAI	ELANTRA	2000 TO CURRENT	54CMF
74,776	HOLDEN	CRUZE	2002 TO 2010	40CMF
73,234	HONDA	JAZZ	2002 TO CURRENT	40CPMF
70,593	SUBARU	IMPREZA	2000 TO 2011	55D23CMF
69,952	TOYOTA	AURION	2007 TO 2011	55D23CMF
67,689	BMW	318I, 318IS, 318TI, 320CI, 320I, 323CI	1988 TO CURRENT	DIN66MF
65,983	HOLDEN	RODEO-PETROL	2003 TO 2007	55D23CMF
65,550	VOLKSWAGEN	GOLF	CURRENT	DIN55MF
65,470	HYUNDAI	I30-DIESEL	CURRENT	DIN55MF
61,861	MITSUBISHI	MAGNA	2000 TO 2006	52DMF
59,636	KIA	RIO	2002 TO 2004	55D23CMF
59,265	HYUNDAI	ACCENT GL GLS	2000 TO 2006	54CMF
57,052	TOYOTA	COROLLA	1999 TO 2001	40CPMF
56,869	MAZDA	323	1992 TO 2004	55D23CMF
52,307	FORD	FAIRMONT	1994 TO 2008	54DMF
51,720	FORD	FOCUS, FOCUS TDCI	2002 TO 2009	DIN66MF
50,559	TOYOTA	HILUX	CURRENT	55D23CMF
49,014	HONDA	CR-V	CURRENT	60CMF
46,403	FORD	LASER KL KN KQ	1996 TO 2002	55D23CMF



USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
46,369	FORD	FOCUS	2002 TO 2009	DIN66MF
46,342	FORD	RANGER, RANGER 2.5 3.0 L	2007 TO CURRENT	N70ZZ
45,737	MAZDA	6	2002 TO 2012	55D23CMF
45,435	SUZUKI	SWIFT 1.5	2005 TO 2009	60DMF
44,193	NISSAN	TIIDA	2006 TO CURRENT	60CPMF
43,276	HONDA	CR-V	2002 TO 2009	60CMF
42,883	MITSUBISHI	OUTLANDER	2003 TO CURRENT	55D23CMF
42,082	MITSUBISHI	PAJERO	1997 TO CURRENT	55D23CMF
41,714	MAZDA	2	2004 TO 2010	40CMF
40,925	NISSAN	PATROL	1988 TO CURRENT	N50ZZ
40,678	MITSUBISHI	LANCER EVOLUTION	2005 TO CURRENT	N50ZZL
40,241	MAZDA	2	2011 TO CURRENT	40CMF
40,057	HONDA	ACCORD	1994 TO 2009	55D23CMF
39,987	TOYOTA	KLUGER	2004 TO 2009	N50ZZL
39,576	TOYOTA	HILUX	1988 TO 1998	N50ZZ
38,441	TOYOTA	HILUX	2005 TO 2009	N50ZZL
38,154	TOYOTA	KLUGER	2010 TO CURRENT	55D23CMF
36,884	TOYOTA	HIACE	1980 TO CURRENT	N70ZZ
35,800	HOLDEN	RODEO-PETROL	1988 TO 1998	52DMF
35,654	TOYOTA	AVALON	2000 TO 2007	55D23CMF
33,871	MITSUBISHI	TRITON	1997 TO CURRENT	N50ZZ
33,694	MITSUBISHI	TRITON	CURRENT	N70ZZL
33,464	MAZDA	CX-7	2007 TO CURRENT	55D23CMF
32,943	FORD	LASER KH KJ	1991 TO 1995	55D23CMF
32,691	FORD	FESTIVA	1997 TO 2001	52CMF
31,908	TOYOTA	TARAGO	2005 TO 2009	55D23CMF
30,575	TOYOTA	HILUX	1984 TO 2004	55D23CMF
30,319	MAZDA	TRIBUTE	2000 TO CURRENT	N50ZZL
29,575	TOYOTA	LANDCRUISER PRADO	2003 TO 2010	N50ZZL
29,322	TOYOTA	LANDCRUISER PRADO	1998 TO CURRENT	N70ZZL
28,961	NISSAN	MICRA	1999 TO CURRENT	40CPMF
28,807	HOLDEN	BARINA	1995 TO 2000	DIN55MF
28,372	FORD	ECONOVAN, ESCAPE	2001 TO 2012	55D23CMF
28,362	DAIHATSU	APPLAUSE, CHARADE, CHARADE CENTRO, CUORE	1985 TO 2005	40CPMF
26,842	SUBARU	LIBERTY 2.5L	CURRENT	40CPMF
26,250	MAZDA	6	CURRENT	50D20LMF
26,087	MITSUBISHI	MIRAGE	1996 TO 2003	40CMF
25,907	TOYOTA	COROLLA	1980 TO 1992	40CMF
25,746	MITSUBISHI	380	2005 TO CURRENT	55D23DMF
25,448	MITSUBISHI	MAGNA VRX	2000 TO 2004	54DMF
25,434	HOLDEN	VIVA	2005 TO CURRENT	54DMF
25,321	MITSUBISHI	PAJERO	1983 TO 1996	N50ZZ
25,317	HYUNDAI	LANTRA	1996 TO 2000	54CMF
25,266	HONDA	CR-V	1997 TO 2002	60DMF
24,919	HONDA	ACCORD EURO	2003 TO 2005	60CPMF
24,744	SUZUKI	GRAND VITARA	CURRENT	55D23CMF



USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
24,467	BMW	X5	2001 TO CURRENT	DIN77MF
24,385	AUDI	A4	1998 TO 2003	DIN66MF
23,739	SUBARU	OUTBACK 4 CYL	1996 TO 2006	40CPMF
23,156	HOLDEN	STATESMAN	1997 TO 2006	54CMF
23,144	NISSAN	MAXIMA	1999 TO CURRENT	55D23CMF
23,066	MAZDA	626	1992 TO 2000	55D23CMF
23,030	HOLDEN	RODEO-DIESEL	2003 TO 2007	N70ZZL
22,906	NISSAN	PULSAR	2002 TO 2006	DIN55MF
22,414	TOYOTA	HILUX	1984 TO 1999	55D23DMF
22,123	HOLDEN	COLORADO	2008 TO CURRENT	N70ZZL
21,875	MITSUBISHI	VERADA	1991 TO 2003	52DMF
21,867	TOYOTA	LANDCRUISER PRADO	1996 TO 2000	N50ZZL
21,780	HOLDEN	CALAIS AND CAPRICE VT VU VX VY VZ	1997 TO 2006	54CMF
21,686	MITSUBISHI	PAJERO	2003 TO CURRENT	N70ZZL
21,647	TOYOTA	LANDCRUISER	1990 TO 1998	N70ZZL
21,051	HONDA	ACCORD	CURRENT	55D23CMF
20,420	NISSAN	NISSAN AD (USED IMPORT)	CURRENT	N50ZZL
20,268	NISSAN	NAVARA	2001 TO CURRENT	N70ZZ
19,796	TOYOTA	RAV4	2000 TO 2003	60DMF
19,450	TOYOTA	LANDCRUISER	1998 TO CURRENT	N70ZZL
19,277	HYUNDAI	I30-PETROL	CURRENT	DIN66MF
19,065	NISSAN	DUALIS	2007 TO CURRENT	DIN55MF
18,829	HOLDEN	BERLINA	1997 TO CURRENT	54CMF
18,596	MAZDA	121	1996 TO 2000	55D23CMF
18,561	KIA	CARNIVAL 3.8L V6	2006 TO 2007	55D23CMF
18,022	HOLDEN	VECTRA	1998 TO CURRENT	54CMF
17,945	MITSUBISHI	EXPRESS	CURRENT	40DMF
17,365	VOLKSWAGEN	GOLF	1994 TO 2004	DIN55MF
17,328	BMW	116I, 118D, 118I, 120D, 120I, 123D, 125I, 130I, 135I	2011 TO CURRENT	DIN66MF
16,811	SUBARU	IMPREZA	2012 TO CURRENT	40CPMF
16,563	HYUNDAI	ILOAD	CURRENT	N50ZZ
15,989	HOLDEN	BARINA	1986 TO 1994	40DPMF
15,184	NISSAN	PATHFINDER	1998 TO 2009	55D23DMF
14,894	HYUNDAI	TUCSON	2005 TO 2007	54CMF
14,685	MAZDA	BT-50	2007 TO CURRENT	N70ZZ
14,653	TOYOTA	YARIS	2008 TO CURRENT	60CPMF
14,414	KIA	CERATO	2010	54CMF
14,255	MAZDA	6	2005 TO 2009	55D23CMF
14,220	FORD	MONDEO-PETROL	1995 TO CURRENT	DIN55MF
14,121	JEEP	GRAND CHEROKEE	1996 TO CURRENT	DIN66MF
14,008	HOLDEN	VECTRA IMPORTED	1997 TO CURRENT	DIN66MF
13,645	NISSAN	PULSAR	1980 TO 1992	40CMF
13,575	VOLKSWAGEN	GOLF	2005 TO 2008	DIN77MF
13,327	HOLDEN	NOVA	1989 TO 1995	60CMF
13,239	MITSUBISHI	MAGNA	1987 TO 1992	52DMF
13,148	KIA	GRAND CARNIVAL	CURRENT	55D23CMF



USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
13,037	TOYOTA	LANDCRUISER PRADO	2006 TO CURRENT	N70ZZL
12,801	HOLDEN	RODEO-DIESEL	1981 TO 1993	N70ZZ
12,772	SUBARU	FORESTER	1997 TO 1999	55D23CMF
12,607	AUDI	A3	1997 TO 2009	DIN55MF
12,589	BMW	325I, 328I, 330CI, 330I, 335I	2000 TO CURRENT	DIN66MF
12,383	FORD	FAIRLANE	1994 TO 1998	54DMF
11,788	LEXUS	IS250	2009 TO CURRENT	55D23CMF
11,682	HYUNDAI	SONATA	1999 TO 2006	53CMF
11,570	NISSAN	PATHFINDER	2006	N50ZZL
11,519	HONDA	ODYSSEY	CURRENT	60CMF
11,387	HYUNDAI	SANTA FE	CURRENT	55D23CMF
11,329	GREAT WALL	V240, X240	2009 TO CURRENT	55D23CMF
11,303	MITSUBISHI	TRITON	2007 - 2009	N50ZZMF
11,230	JEEP	WRANGLER	2011 TO CURRENT	DIN66MF
11,193	HOLDEN	APOLLO	1992 TO 1997	55D23CMF
10,916	TOYOTA	TARAGO	1991 TO 2000	55D23CMF
10,764	FORD	COURIER 4X2 4X4	1996 TO 2006	55D23DMF
10,508	TOYOTA	LANDCRUISER	1981 TO 1990	N70ZZ
10,214	HYUNDAI	SONATA	CURRENT	53CMF
10,086	MITSUBISHI	CHALLENGER	1998 TO 2003	N50ZZ
10,055	FORD	TRANSIT-DIESEL	2001 TO CURRENT	DIN66MF
9,940	BMW	523I, 528I, 530I, 535I	2001 TO CURRENT	DIN88MF
9,758	TOYOTA	CELICA	1994 TO 2000	55D23CMF
9,612	KIA	CERATO	2004 TO 2009	55D23CMF
9,590	MAZDA	121	1994 TO 1995	60DMF
9,576	MITSUBISHI	TRITON	2001 TO CURRENT	N70ZZL
9,403	MITSUBISHI	COLT	2008 TO 2011	55D23CMF
9,297	LEXUS	RX350	CURRENT	N50ZZL
9,268	MERCEDES-BENZ	C200 KOMPRESSOR	1995 TO CURRENT	DIN66MF
9,177	DAIHATSU	TERIOS	1997 TO 2005	40CPMF
9,088	HOLDEN	MONARO	2001 TO 2005	54CMF
9,053	NISSAN	MURANO	CURRENT	55D23CMF
9,044	FORD	MONDEO-DIESEL	CURRENT	DIN77MF
8,990	LAND ROVER	DISCOVERY	1991 TO 1999	54DMF
8,855	KIA	RIO	2005 TO CURRENT	54CMF
8,368	SUZUKI	ALTO	2009 TO CURRENT	40CPMF
8,314	BMW	X1, X3 X-DRIVE	2010 TO CURRENT	DIN66MF
8,038	TOYOTA	RAV4	1996 TO 1998	60DMF
7,727	MERCEDES-BENZ	C180 KOMPRESSOR	2000 TO CURRENT	DIN88MF
7,564	NISSAN	PINTARA	1987 TO 1992	53CMF
7,508	HYUNDAI	ACCENT GL GLS	2007 TO CURRENT	55D23CMF
7,438	NISSAN	PATHFINDER	1996 TO 2009	N50ZZ
7,169	TOYOTA	CAMRY	2010	55D23CMF
6,947	HOLDEN	EPICA	2009 TO 2011	N50ZZLMF
6,918	SUZUKI	BALENO	1995 TO 2000	40DMF



USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
6,783	KIA	PREGIO	2004 TO CURRENT	N70ZZLMF
6,759	MITSUBISHI	TRITON	1993 TO 1996	55D23DMF
6,740	HYUNDAI	TUCSON	2008 UPGRADE	55D23CMF
6,703	BMW	323I, 325CI	1996 TO 2000	DIN66MF
6,597	DAEWOO	CIELO, ESPERO	1995 TO 1998	DIN55MF
6,567	VOLKSWAGEN	CADDY	CURRENT	DIN66MF
6,544	TOYOTA	TOWNACE	1992 TO 1998	40DMF
6,431	PEUGEOT	206	2000 TO CURRENT	DIN55MF
6,411	VOLKSWAGEN	JETTA	2007	DIN66MF
6,269	VOLKSWAGEN	JETTA	1990 TO 1992	DIN55MF
6,234	LEXUS	RX330	2003 TO 2005	N50ZZL
6,067	DAEWOO	MATIZ	1999 TO 2004	40DMF
5,976	HYUNDAI	GETZ	2003 TO CURRENT	54CMF
5,959	TOYOTA	AVENSIS VERSO	2003 TO CURRENT	55D23CMF
5,947	HOLDEN	ADVENTRA	2003 TO 2006	53CMF
5,824	FORD	MAVERICK-PETROL	1988 TO 1994	N50ZZL
5,706	TOYOTA	LANDCRUISER PRADO	2000 TO 2002	55D23CMF
5,534	AUDI	S8, TT	1999 TO 2009	DIN55MF
5,515	MITSUBISHI	COLT	1991 TO 2007	55D23CMF
5,514	FORD	COURIER 4X2 4X4 - DIESEL	1996 TO 2002	N70ZZ
5,502	PEUGEOT	308	CURRENT	DIN55MF
5,494	MINI	COOPER	2000 TO CURRENT	DIN55MF
5,471	TOYOTA	CRESSIDA	1983 TO 1993	55D23CMF
5,445	SUBARU	OUTBACK	2008 TO 2009	55D23CMF
5,385	MITSUBISHI	PAJERO	2003 TO 2008	N70ZZL
5,301	AUDI	A5	2007 TO 2009	DIN88MF
5,272	ALFA ROMEO	147	2001 TO 2010	DIN55MF
5,268	SUZUKI	SX4	2007 TO CURRENT	60DPMF
5,253	TOYOTA	LANDCRUISER	1985 TO 1994	N70ZZ
5,221	LAND ROVER	DISCOVERY	1999 TO 2003	31-950
5,212	NISSAN	X-TRAIL	2008 TO CURRENT	54CMF
5,145	MITSUBISHI	ASX	2010 TO CURRENT	55D23CMF
4,903	MERCEDES-BENZ	ML320	CURRENT	DIN88MF
4,891	HONDA	CIVIC	2011 TO CURRENT	60DMF
4,871	VOLVO	XC90	2008 TO CURRENT	DIN77MF
4,812	MITSUBISHI	EXPRESS	2001 TO CURRENT	40CMF
4,794	HONDA	INTEGRA	1991 TO CURRENT	N50ZZ
4,718	DAEWOO	KALOS	2003 TO 2004	55D23DMF
4,680	SUBARU	TRIBECA	CURRENT	55D23CMF
4,628	FORD	TELSTAR	1990 TO 1996	55D23CMF
4,620	VOLVO	850	1992 TO 1997	DIN55MF
4,538	LEXUS	ES300	1992 TO 2002	55D23CMF
4,510	HONDA	ODYSSEY	1995 TO 2000	55D23CMF
4,397	TOYOTA	VIENTA	1995 TO 2000	55D23CMF
4,392	HOLDEN	JACKAROO-PETROL	1998 TO 2000	N50ZZ
4,364	MITSUBISHI	PAJERO - V6	1983 TO 2002	N70ZZ



USEFUL CARPARK INFORMATION

MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
4,344	HYUNDAI	IMAX	CURRENT	N70ZZ
4,315	FORD	FAIRLANE	1991 TO 1994	52CMF
4,302	JEEP	GRAND CHEROKEE	2000 TO 2009	DIN77MF
4,275	SUBARU	LIBERTY 6 CYL	2000 TO CURRENT	55D23CMF
4,265	MERCEDES-BENZ	CLC200 KOMPRESSOR	1995 TO CURRENT	DIN66MF
4,244	HOLDEN	ZAFIRA	2001 TO CURRENT	DIN66MF
4,226	HOLDEN	STATESMAN	1999 TO 2003	54CMF
4,214	MITSUBISHI	TRITON	1992 TO 2000	N50ZZ
4,186	HONDA	HR-V	1999 TO CURRENT	60CMF
4,155	VOLKSWAGEN	EOS	CURRENT	DIN66MF
4,127	MAZDA	BT-50	2001 TO CURRENT	N50ZZ
4,016	NISSAN	NAVARA	1988 TO 2000	N70ZZ
4,011	BMW	316I, 316TI	1988 TO 1996	DIN66MF
3,976	CITROEN	BERLINGO, C3, C4, C4 PICASSO	2000 TO 2008	DIN55MF
3,885	AUDI	A6, A7	2011 TO CURRENT	DIN66MF
3,766	MERCEDES-BENZ	SPRINTER	2000 TO CURRENT	DIN88MF
3,725	MERCEDES-BENZ	VITO	ALL YEARS	N150
3,692	HONDA	PRELUDE	1992 TO 1996	55D23CMF
3,688	NISSAN	MURANO	2005 TO 2009	55D23CMF
3,672	HONDA	PRELUDE	1997 TO 2000	60CPMF
3,647	LEXUS	IS250	2006 TO 2008	N50ZZL
3,618	FORD	FOCUS	2011 TO CURRENT	DIN55MF
3,617	NISSAN	NAVARA	1991 TO 1995	N50ZZL
3,614	VOLKSWAGEN	PASSAT	2001 TO CURRENT	DIN66MF
3,495	HOLDEN	JACKAROO-DIESEL	1998 TO 2003	N50ZZ
3,492	PEUGEOT	307	2006 TO CURRENT	DIN55MF
3,393	MAZDA	E2000	1988 TO 2003	40CPMF
3,346	FORD	MAVERICK-DIESEL	1988 TO 1994	N70ZZL
3,288	LAND ROVER	DEFENDER	CURRENT	DIN66MF
3,278	LEXUS	IS200	1999 TO 2002	55D23CMF
3,277	HOLDEN SPECIAL VEHICLES	CLUBSPORT	CURRENT	54CMF
3,271	NISSAN	SKYLINE 2.5L	1989 TO 1993	60CMF
3,254	LAND ROVER	DISCOVERY	1999 TO 2003	N70ZZ
3,230	HONDA	ODYSSEY	2001 TO 2004	55D23CMF
3,183	TOYOTA	RAV4	2003	60DMF
3,178	MERCEDES-BENZ	ML350	CURRENT	DIN88MF
3,164	MERCEDES-BENZ	C200	1995 TO CURRENT	DIN66MF
3,099	FORD	CAPRI	1981 TO 1992	40DMF
3,095	VOLKSWAGEN	TRANSPORTER	CURRENT	DIN66MF
3,090	MERCEDES-BENZ	C180	1995 TO CURRENT	DIN66MF
3,089	HYUNDAI	COUPE	1996 TO CURRENT	53CMF



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REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
3,025	HONDA	ODYSSEY	2007 TO 2009	55D23CMF
3,001	KIA	OPTIMA	2004 TO CURRENT	N50ZZL
2,938	TOYOTA	CAMRY VIENTA	1995 TO 2000	55D23CMF
2,929	HOLDEN	FRONTERA	1995 TO 2000	DIN55MF
2,923	CHRYSLER	300C WAGON	2005 TO 2011	DIN77MF
2,918	MERCEDES-BENZ	ML320 CDI	CURRENT	DIN88MF
2,894	FORD	TRANSIT-DIESEL	1995 TO 2000	DIN55MF
2,875	AUDI	A4 1.8L 2.4L	2003 TO 2008	DIN77MF
2,846	MERCEDES-BENZ	C180 KOMPRESSOR	1995 TO CURRENT	DIN66MF
2,816	PEUGEOT	207	2000 TO CURRENT	DIN55MF
2,796	JEEP	GRAND CHEROKEE	CURRENT	DIN66MF
2,766	TOYOTA	4RUNNER	1989 TO 1996	55D23DMF
2,734	PROTON	SATRIA	1997 TO 2005	55D23DMF
2,658	HOLDEN	ASTRA	1984 TO 1989	40CMF
2,656	TOYOTA	PRIUS	2009	60CPMF
2,633	HYUNDAI	LANTRA	1994 TO 1995	60DMF
2,603	PROTON	JUMBUCK	2003 TO 2006	55D23DMF
2,543	KIA	MENTOR	1996 TO 1998	DIN55MF
2,532	HONDA	INTEGRA	1994 TO 2001	60DMF
2,501	MERCEDES-BENZ	B200	CURRENT	DIN66MF
2,474	KIA	K2700	2003 TO CURRENT	N70ZZ
2,448	BMW	525I	2001 TO CURRENT	DIN66MF
2,440	HOLDEN	COMBO	1996 TO 2003	DIN55MF
2,434	MERCEDES-BENZ	E320	1998 TO CURRENT	DIN66MF
2,418	NISSAN	MICRA	1995 TO 1998	40DMF
2,406	PROTON	JUMBUCK	2006 TO 2010	60DMF
2,394	HYUNDAI	SONATA	2007 TO 2009	55D23DMF
2,385	VOLKSWAGEN	TRANSPORTER	1992 TO CURRENT	DIN66MF
2,384	MERCEDES-BENZ	C250 CGI	1995 TO CURRENT	DIN66MF
2,371	HYUNDAI	TERRACAN	2002 TO 2006	N50ZZ
2,367	LAND ROVER	DISCOVERY 3	2004 TO CURRENT	DIN77MF
2,320	MERCEDES-BENZ	VITO	CURRENT	DIN66MF
2,301	FORD	FAIRMONT	1972 TO 1991	54DMF
2,271	CHRYSLER	GRAND VOYAGER	2008 TO CURRENT	DIN77MF
2,239	MERCEDES-BENZ	C220 CDI	CURRENT	DIN88MF
2,238	MERCEDES-BENZ	E240	1998 TO CURRENT	DIN66MF
2,213	MITSUBISHI	CHALLENGER	1998 TO CURRENT	N70ZZ
2,209	MITSUBISHI	STARWAGON	1994 TO 2000	N50ZZ
2,189	JEEP	PATRIOT	CURRENT	DIN66MF
2,167	ALFA ROMEO	GT, GTV, MITO, SPIDER	ALL YEARS	DIN66MF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
2,163	MERCEDES-BENZ	C200 KOMPRESSOR	2000 TO CURRENT	DIN88MF
2,163	LAND ROVER	DISCOVERY	1991 TO 1999	N50ZZ
2,074	HOLDEN	EPICA 2.5L	2007 TO 2008	55D23DMF
2,072	LAND ROVER	DISCOVERY 3	2004 TO CURRENT	DIN88MF
2,068	MITSUBISHI	PAJERO SAFARI	1997	40CPMF
2,066	MERCEDES-BENZ	C180	1994 TO 2000	DIN88MF
2,050	ALFA ROMEO	159	2006 TO 2012	DIN77MF
1,982	SSANGYONG	MUSSO	1996 TO 1998	N70ZZMF
1,959	MITSUBISHI	NIMBUS	1992 TO 2001	60DMF
1,946	VOLVO	XC90	2004 TO 2007	DIN66MF
1,923	TOYOTA	SOARER	PRE 1994	N70ZZL
1,890	RENAULT	MEGANE	1998 TO CURRENT	DIN55MF
1,850	VOLVO	S40	CURRENT	DIN66MF
1,847	DODGE	JOURNEY	2008 TO CURRENT	DIN66MF
1,843	FORD	TRANSIT-PETROL	1996 TO 2005	DIN55MF
1,841	AUDI	A3	2006 TO 2007	DIN77MF
1,795	NISSAN	200SX	2000 TO 2002	60DMF
1,776	HOLDEN	COMBO VAN 1.6L	2003 TO 2006	DIN66MF
1,765	DAEWOO	LACETTI	2000 TO 2004	55D23DMF
1,757	HOLDEN	JACKAROO-DIESEL	1987 TO 1998	N70ZZ
1,713	FORD	F100, F150, F250	1974 TO 1979	53CMF
1,711	LAND ROVER	FREELANDER	1998 TO CURRENT	DIN66MF
1,699	NISSAN	SILVIA	1988 TO 2001	40CMF
1,697	MERCEDES-BENZ	VITO	2004 TO CURRENT	DIN77MF
1,697	MERCEDES-BENZ	C180	2000 TO CURRENT	DIN88MF
1,695	MAZDA	MX-6	1992 TO 1997	55D23CMF
1,684	MAZDA	E2000	1985 TO 1999	40CPMF
1,672	MAZDA	PREMACY	2001 TO CURRENT	50D20LMF
1,661	NISSAN	350Z	2003 TO CURRENT	55D23CMF
1,629	LAND ROVER	RANGE ROVER	2001 TO CURRENT	DIN88MF
1,628	MAZDA	MPV	1993 TO 1999	N50ZZL
1,615	SUZUKI	APV	2005 TO CURRENT	40DMF
1,615	HONDA	CITY	1984 TO 1994	60DMF
1,597	MITSUBISHI	DELICA	ALL YEARS	55D23DMF
1,547	VOLVO	XC70	CURRENT	DIN88MF
1,517	MERCEDES-BENZ	C280	1995 TO CURRENT	DIN66MF
1,491	HOLDEN	JACKAROO-PETROL	2001 TO 2003	N50ZZ
1,483	KIA	CARNIVAL	2006 TO 2007	N50ZZL
1,466	TOYOTA	CORONA	1964 TO 1985	60CMF
1,461	HONDA	INTEGRA	1986 TO 1993	N50ZZ
1,403	MAZDA	CX-5	2012 TO CURRENT	N50ZZL
1,391	MERCEDES-BENZ	280SE	1977 TO 1997	DIN66MF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
1,390	TOYOTA	CORONA	1985 TO 1992	40CMF
1,389	MAZDA	CX-7	CURRENT	N50ZZL
1,370	HONDA	MDX	2003 TO CURRENT	40CPMF
1,351	DAIHATSU	FEROZA, FEROZA II	1989 TO 1992	40CPMF
1,348	MERCEDES-BENZ	230E	1977 TO 1997	DIN66MF
1,340	MINI	CANTER	1996 TO CURRENT	N50ZZ
1,337	TOYOTA	DYNA	1980 TO 2000	N70ZZ
1,335	CHRYSLER	300C SEDAN, CROSSFIRE	2004 TO 2011	DIN66MF
1,332	HYUNDAI	TIBURON	2002 TO 2006	54CMF
1,329	VOLVO	XC60	CURRENT	DIN77MF
1,315	AUDI	A6	2003 TO 2009	DIN88MF
1,314	HONDA	MDX	2003 TO CURRENT	N50ZZL
1,308	VOLKSWAGEN	BEETLE	2000 TO CURRENT	DIN55MF
1,302	TOYOTA	HIACE SBV	1980 TO CURRENT	55D23DMF
1,301	KIA	SPECTRA	2003 TO CURRENT	DIN55MF
1,294	RENAULT	KANGOO	CURRENT	DIN66MF
1,264	VOLVO	V70	2009 TO CURRENT	DIN77MF
1,255	TOYOTA	HILUX 4RUNNER	ALL YEARS	40DMF
1,251	VOLKSWAGEN	PASSAT	1995-2000	DIN66MF
1,243	MERCEDES-BENZ	A160	1998 TO CURRENT	DIN66MF
1,242	MERCEDES-BENZ	CLS350	CURRENT	DIN88MF
1,241	LEXUS	GS300	2001 TO 2011	55D23CMF
1,234	LEXUS	LX470	1998 TO 2007	N50ZZL
1,225	MERCEDES-BENZ	C200 CGI	1995 TO CURRENT	DIN66MF
1,196	JAGUAR	X-TYPE	CURRENT	DIN66MF
1,192	HYUNDAI	TRAJET	2004 TO CURRENT	54CMF
1,189	VOLVO	740	1985 TO 1991	DIN55MF
1,184	HONDA	ACCORD EURO	2012 TO CURRENT	60CPMF
1,170	SAAB	9000	1987 TO 1998	DIN66MF
1,170	MERCEDES-BENZ	190E	1984 TO 1993	DIN55MF
1,170	HONDA	S2000	1999 TO CURRENT	60CPMF
1,169	MINI	COOPER	2002 TO 2004	DIN55MF
1,148	NISSAN	720	ALL YEARS	55D23DMF
1,136	HYUNDAI	TRAJET	2000 TO 2003	N50ZZL
1,131	VOLKSWAGEN	CADDY	2004 TO CURRENT	DIN66MF
1,119	MAZDA	E2000	2004 TO CURRENT	55D23CMF
1,105	MERCEDES-BENZ	ML350 CDI	CURRENT	DIN88MF
1,089	HINO	300 SERIES	2008 TO 2009	55D23CMF
1,081	MERCEDES-BENZ	CLK320	1995 TO CURRENT	DIN66MF
1,077	HOLDEN	FRONTERA	2001 TO 2003	N70ZZMF
1,067	MERCEDES-BENZ	ML270 CDI	CURRENT	DIN88MF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
1,054	AUDI	Q5, Q7	2007 TO CURRENT	DIN88MF
1,020	MITSUBISHI	GALANT	1990 TO 1996	55D23DMF
1,007	TOYOTA	AVENSIS VERSO	2000 TO 2002	55D23CMF
981	BMW	M3, M5	2001 TO CURRENT	DIN88MF
971	PEUGEOT	406	1996 TO 2000	DIN66MF
968	CITROEN	C4 SX, C4 PICASSO, C5	2004 TO CURRENT	DIN66MF
959	PEUGEOT	405	1989 TO 1995	DIN55MF
954	MAZDA	E2000	2004 TO 2010	40CMF
952	MERCEDES-BENZ	ML300 CDI	CURRENT	DIN88MF
947	VOLKSWAGEN	BORA	1999 TO 2003	DIN55MF
946	KIA	SPORTAGE	2003 TO 2006	55D23DMF
940	NISSAN	NX	1991 TO 1995	40CMF
926	PEUGEOT	306	1997 TO 2000	DIN55MF
913	HUMMER	H3	1993 TO CURRENT	N50ZZ
909	VOLVO	940	1991 TO 1996	DIN55MF
905	MERCEDES-BENZ	E350	CURRENT	DIN88MF
903	MITSUBISHI	LANCER FIORE	1980 TO 1989	40DMF
903	AUDI	S3	1999 TO CURRENT	DIN55MF
894	MERCEDES-BENZ	A170	1998 TO CURRENT	DIN66MF
880	HOLDEN	TIGRA	2005 TO CURRENT	DIN66MF
875	PROTON	S16	2009 TO CURRENT	60DMF
871	LEXUS	ES300	2003 TO 2005	55D23CMF
865	TOYOTA	PRIUS	2004	60CPMF
847	MITSUBISHI	GRANDIS	2004 TO 2008	55D23CMF
842	AUDI	S4, S5	1993 TO CURRENT	DIN66MF
840	TOYOTA	CELICA	2001 TO 2005	60CMF
813	MERCEDES-BENZ	C250 CDI	CURRENT	DIN88MF
808	MERCEDES-BENZ	S320	1992 TO CURRENT	DIN88MF
802	PEUGEOT	407	2004 TO CURRENT	DIN66MF
800	HOLDEN	JACKAROO 3.0L NULLABOR	2002 TO 2003	N70ZZ
794	MAZDA	929	1987 TO 1997	55D23CMF
793	MERCEDES-BENZ	B200	2006 TO 2008	DIN66MF
781	HONDA	ODYSSEY WAGON	2001 TO 2005	60CMF
777	LEXUS	IS250 C	CURRENT	55D23CMF
773	HONDA	LEGEND	1990 TO 1999	N50ZZ
772	MERCEDES-BENZ	E250 CGI	CURRENT	DIN88MF
768	MERCEDES-BENZ	ML500	CURRENT	DIN88MF
759	TOYOTA	HILUX 4RUNNER	1984 TO 1999	55D23DMF
744	NISSAN	URVAN	1981 TO 1993	N70ZZ
738	TOYOTA	AVENSIS VERSO	2009	60CPMF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
731	MERCEDES-BENZ	ML280 CDI	CURRENT	DIN88MF
719	MERCEDES-BENZ	E230	1977 TO 1997	DIN66MF
717	PORSCHE	CAYENNE	2003 TO 2008	DIN88MF
716	MERCEDES-BENZ	260E	1977 TO 1997	DIN66MF
708	MERCEDES-BENZ	C250	1995 TO CURRENT	DIN66MF
706	NISSAN	URVAN	1981 TO 1996	N50ZZ
706	NISSAN	370Z	CURRENT	55D23CMF
700	KIA	MAGENTIS	CURRENT	54CMF
694	SUZUKI	JIMNY	2006 TO CURRENT	60DMF
694	TOYOTA	4RUNNER	ALL YEARS	40DMF
692	MAZDA	E1800	2004 TO CURRENT	55D23CMF
692	MAZDA	T3500	1980 ON	N120
690	TOYOTA	CELICA SX	1990 TO 1994	40CMF
678	MITSUBISHI	PAJERO IO	1997 TO CURRENT	55D23CMF
676	RENAULT	SCENIC RX4	2001 TO CURRENT	DIN55MF
665	MAZDA	929	1983 TO 1987	40CMF
663	RENAULT	KOLEOS	2010 TO CURRENT	DIN66MF
656	MERCEDES-BENZ	B180 CDI	2006 TO 2008	DIN88MF
652	PROTON	SATRIA	2000 TO 2006	52DMF
645	LEXUS	IS300	2002 TO CURRENT	55D23CMF
645	MERCEDES-BENZ	MB100	CURRENT	DIN88MF
644	HONDA	LEGEND	1985 TO 1990	N50ZZL
631	MITSUBISHI	EXPRESS	2004	60DMF
622	HOLDEN	STATESMAN	2007 TO 2010	DIN66MF
620	HOLDEN	CAPRICE	1978 TO 1996	52DMF
618	HONDA	INSIGHT	2001 TO CURRENT	40DPMF
618	RENAULT	SCENIC	2002	DIN55MF
611	MERCEDES-BENZ	GL320 CDI	CURRENT	DIN88MF
609	MITSUBISHI	GALANT	1983 TO 1989	40DMF
604	KIA	RONDO	CURRENT	55D23CMF
600	AUDI	80 6 CYL	1986 TO 1987	DIN66MF
596	MERCEDES-BENZ	C63	CURRENT	DIN88MF
592	BMW	318I	1975 TO 1987	DIN55MF
591	FORD	RAIDER	1991 TO 1997	N50ZZ
591	MERCEDES-BENZ	E350	1998 TO CURRENT	DIN66MF
583	MERCEDES-BENZ	ML430	CURRENT	DIN88MF
567	HOLDEN	CAMIRA JE SL SLX	1986 TO 1989	40DMF
566	VOLKSWAGEN	GOLF	1990 TO 2000	DIN55MF
563	PORSCHE	CAYENNE	2009 TO CURRENT	DIN77MF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
562	BENTLEY	CONTINENTAL	2003 TO CURRENT	DIN88MF
555	MITSUBISHI	VERADA	2004 TO 2005	55D23DMF
554	MERCEDES-BENZ	C240	1995 TO CURRENT	DIN66MF
553	MITSUBISHI	EXPRESS	1986 TO 2000	N70ZZ
553	LAND ROVER	DISCOVERY	2003	N70ZZ
549	NISSAN	NAVARA	1986 TO 1987	N70ZZ
539	TOYOTA	SOARER	1994 TO CURRENT	N50ZZL
532	MAZDA	B2000	1986 TO 1989	40DPMF
518	HOLDEN SPECIAL VEHICLES	MALOO	CURRENT	54CMF
518	MERCEDES-BENZ	E280	1998 TO CURRENT	DIN66MF
516	MITSUBISHI	FTO	1991 TO CURRENT	55D23CMF
509	KIA	MENTOR	1999 TO 2000	60DMF
507	SAAB	900	1987 TO 1998	DIN66MF
498	NISSAN	180SX	1988 TO 1994	40DMF
490	SUZUKI	SWIFT	1986 TO 1990	40DPMF
484	AUDI	80	1986 TO 1994	DIN66MF
475	MERCEDES-BENZ	280E	1977 TO 1997	DIN66MF
471	MITSUBISHI	EXPRESS	1997 TO 2000	40CMF
468	MERCEDES-BENZ	380SEL	1977 TO 1983	DIN66MF
464	SUBARU	OUTBACK	2010 TO CURRENT	55D23CMF
463	MERCEDES-BENZ	380SEC	1977 TO 1983	DIN66MF
452	MERCEDES-BENZ	MB140	CURRENT	DIN88MF
451	MERCEDES-BENZ	420SEL	1986 TO 1991	DIN88MF
446	KIA	SPORTAGE	2005 TO 2006	N50ZZL
441	TOYOTA	MR2	1985 TO 2000	60CMF
434	AUDI	A6	1994 TO 2000	DIN66MF
434	BMW	Z4	2003 TO CURRENT	DIN66MF
431	ROVER	75	2001 TO CURRENT	DIN66MF
430	AUDI	ALLROAD	2001 TO 2003	DIN55MF
428	VOLKSWAGEN	MULTIVAN	2007	DIN88MF
426	LEXUS	GS300	1997 TO 2000	N50ZZL
420	MERCEDES-BENZ	C320	1995 TO CURRENT	DIN66MF
419	MERCEDES-BENZ	380SL	1977 TO 1983	DIN66MF
413	AUDI	A8 D4	2011 TO CURRENT	DIN77MF
403	MERCEDES-BENZ	MB100	1999 TO CURRENT	DIN77MF
389	AUDI	A8	1992 TO 2008	DIN88MF
372	GREAT WALL	SA220	2009 TO 2010	55D23DMF
370	BMW	323i	1975 TO 1987	DIN55MF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
360	MITSUBISHI	CANTER	ALL YEARS	N120
357	MAZDA	E1800	1988 TO 2003	40CPMF
356	MERCEDES-BENZ	C200	2000 TO CURRENT	DIN88MF
354	RENAULT	KOLEOS	2008 TO 2009	N50ZZL
346	MERCEDES-BENZ	C63	1995 TO CURRENT	DIN66MF
340	NISSAN	TERRANO 2700	1987 TO 1995	N70ZZL
336	MERCEDES-BENZ	A170	CURRENT	DIN55MF
335	TOYOTA	MR2	2001 TO CURRENT	60CMF
328	MERCEDES-BENZ	A200	1998 TO CURRENT	DIN66MF
325	MITSUBISHI	DELICA	1979 TO 1995	N50ZZ
325	MERCEDES-BENZ	190E	1984 TO 1994	DIN66MF
320	VOLVO	760	1983 TO 1990	DIN55MF
320	AUDI	A6	2000 TO 2002	DIN77MF
318	NISSAN	200SX	1994 TO 2000	55D23DMF
316	FORD	TELSTAR TX5	1992 TO 1997	N50ZZL
316	IVECO	DAILY	2002 ON	31-950
311	TOYOTA	SPACIA	1998 TO CURRENT	55D23CMF
311	SUBARU	LEONE	1981 TO 1984	N50ZZ
310	MAZDA	BRAVO	2001 TO CURRENT	55D23CMF
304	HONDA	CIVIC	2004	40CPMF
301	FORD	COUGAR	1999 TO 2002	DIN66MF
297	HYUNDAI	ELANTRA LAVITA	2003	54CMF
297	MAZDA	T3000	1980 ON	N120
297	MERCEDES-BENZ	E220	CURRENT	DIN88MF
295	MERCEDES-BENZ	E250 CDI	CURRENT	DIN88MF
295	MERCEDES-BENZ	CLK280	1995 TO CURRENT	DIN66MF
291	AUDI	80 4 CYL	1986 TO 1987	DIN55MF
287	TOYOTA	4RUNNER	ALL YEARS	N50ZZ
280	PROTON	PERSONA	2008 TO CURRENT	55D23CMF
280	VOLVO	440	1993 TO 1996	DIN66MF
276	ALFA ROMEO	BRERA	2006 TO 2011	DIN66MF
270	MERCEDES-BENZ	CLS500	CURRENT	DIN88MF
269	FORD	TRADER 4 CYL	1992 TO 2000	N120
267	DAEWOO	TACUMA	2000 ONWARDS	N50ZZ
266	ASTON MARTIN	DB9	2004 TO CURRENT	DIN88MF
265	VOLKSWAGEN	BORA	2003 TO 2006	DIN55MF
265	NISSAN	BLUEBIRD	1983 TO 1989	40DMF
262	FORD	LTD	1972 TO 1991	53CMF
259	NISSAN	GAZELLE	1984 TO 1989	40CMF



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MOST POPULAR REGISTERED VEHICLES & THEIR BATTERIES

REGISTRATIONS	MAKE	MODEL	YEAR	STANDARD FITMENT
256	MERCEDES-BENZ	E500	1998 TO CURRENT	DIN66MF
250	SSANGYONG	KYRON	CURRENT	N70ZZ
249	TOYOTA	DYNA	ALL YEARS	55D23DMF
248	BMW	325E	1975 TO 1987	DIN55MF
245	MERCEDES-BENZ	E200 KOMPRESSOR	1998 TO CURRENT	DIN66MF
240	PEUGEOT	207	CURRENT	DIN55MF
239	MERCEDES-BENZ	SLK230 KOMPRESSOR	1977 TO 1997	DIN66MF
238	SKODA	AOCTAVIA	CURRENT	DIN55MF
235	MAZDA	MPV	1999	55D23CMF
233	ALFA ROMEO	ALFA 33	1974 TO 1992	54CMF
232	VOLVO	V50-PETROL	CURRENT	DIN66MF
231	FORD	COURIER 4.0L V6	2004 TO 2006	DIN55MF
226	TOYOTA	DYNA	2001 TO CURRENT	55D23CMF
226	NISSAN	VANETTE	1981 TO 1989	40DMF
225	SEAT	IBIZA	1995 TO 1998	DIN66MF
224	VOLVO	V70	1999	DIN55MF
220	PORSCHE	BOXSTER	1997 TO 2000	DIN77MF
220	RENAULT	LAGUNA	1995 TO CURRENT	DIN66MF
219	MERCEDES-BENZ	E200 KOMPRESSOR	CURRENT	DIN88MF
218	KIA	GRAND CARNIVAL	CURRENT	N50ZZ
216	VOLKSWAGEN	TIGUAN 08	2008 TO 2010	DIN55MF
216	TOYOTA	LANDCRUISER	1995 TO 2000	N70ZZL
212	MITSUBISHI	GRANDIS	2009 TO CURRENT	N70ZZL
209	HOLDEN SPECIAL VEHICLES	SENATOR	CURRENT	54CMF
207	LEXUS	LS400	1990 TO CURRENT	N70ZZL
207	MERCEDES-BENZ	GL350 CDI	CURRENT	DIN88MF
206	JEEP	COMMANDER	2010	DIN66MF
201	JEEP	CHEROKEE	1999	DIN66MF
190	ALFA ROMEO	166	1996 TO 2000	DIN66MF
184	AUDI	A4 3.0 LITRE SOFT TOP	2003 TO 2009	DIN88MF
166	AUDI	ALLROAD	2003 TO 2011	DIN88MF
161	AUDI	R8	2007 TO CURRENT	DIN77MF
90	BENTLEY	ARNAGE	1998 TO 2009	DIN66MF
70	BMW	1 SERIES M	2011 TO 2012	DIN55MF
65	AUDI	90 SPORT	1985 TO 1994	DIN66MF
53	ALFA ROMEO	164	1989 TO 1997	DIN55MF
19	AUDI	S6	2006 TO CURRENT	DIN88MF
19	AUDI	CABRIOLET	1992 TO 1999	DIN66MF
17	ASIA MOTORS	ROCSTA	1995 TO 2000	55D23CMF
15	BENTLEY	MULSANNE	1987 TO 1997	N50ZZ
8	BENTLEY	EIGHT	1989	DIN55MF





Batteries

Most Used Batteries By

MOST USED BATTERIES

BATTERY	REGISTRATIONS
55D23CMF	2,410,830
54DMF	994,289
54CMF	921,535
DIN66MF	732,084
40CMF	661,522
N70ZZL	530,977
N50ZZL	493,713
60CMF	472,882
40CPMF	423,438
52DMF	369,615
DIN55MF	336,921
60DMF	241,745
N50ZZ	210,245
55D23DMF	185,028
N70ZZ	179,464
60CPMF	94,050
DIN77MF	76,957
DIN88MF	72,027
40DMF	49,623
53CMF	40,470
52CMF	37,006
50D20LMF	27,922
40DPMF	17,628
N50ZZMF	11,303
N50ZZLMF	6,947
N70ZZLMF	6,783
31-950	5,537
60DPMF	5,268
N150	3,725
N70ZZMF	3,060
N120	1,617

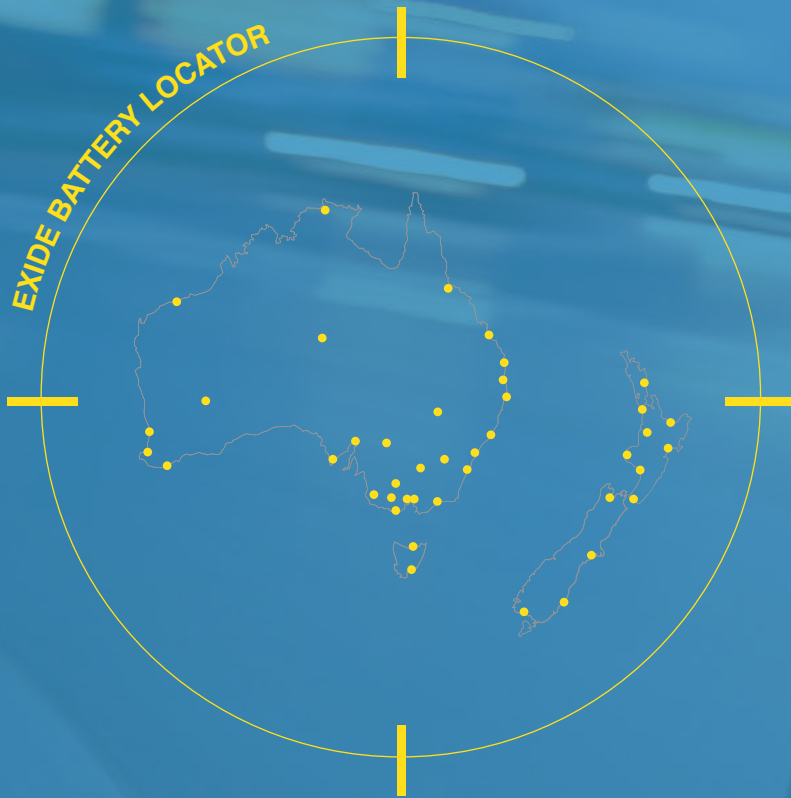




Batteries

Notes & Updates

EXIDE BATTERY LOCATOR



New South Wales

31-39 Sturt Street
Smithfield NSW 2164

Victoria

93 Cherry Lane
Laverton North VIC 3026

Queensland

128 Gardens Drive
Willawong QLD 4110

South Australia

9-11 Johansson Road
Wingfield SA 5013

Western Australia

14 Aitken Way
Kewdale WA 6105

New Zealand

72B Highbrook Drive
East Tamaki AUCKLAND 2013

Ref no. EXB521