

# PRODUCT GUIDE





# PERFORMANCE

*4x4s are tough, but Australia's terrain can be tougher!  
Upgrade your vehicle's offroad performance to prepare it  
for the most challenging environments.*









## MUFFLER/CAT SYSTEM

## PIPE ONLY SYSTEM

Hi flow  
Diesel Spec  
Catalytic  
Converter

Stainless Steel  
flexible belows

Pressed Fire Ring  
& eyelet protected  
4 bolt gaskets

Through Flange  
tube connection

Internal  
Bulkhead  
Supported  
mufflers

4 bolt, 10mm  
thick flanges

3" aluminised  
mandrel  
bent tube

Extreme Duty  
hanger brackets

Double Wrapped  
hanger mounts

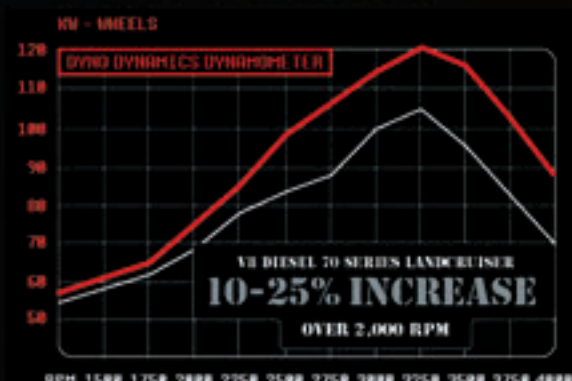
Removable O2 sensor  
& EGT probe plug

Complete installation  
& service kit



A ROCK SOLID REPUTATION

## ENGINEERED TO PERFORM.



### MODULAR COMPONENTS



CUSTOM TOOLED  
REINFORCED  
GASKETS WITH  
PRESSED FIRE  
RINGS



THROUGH FLANGE  
TUBE CONNECTION



BOTH O2 SENSOR &  
EGT PROBE BOSS

Custom tooled, full feruled  
Australian gaskets and German hardware.



CONTACT OPPOSITE LOCK FOR MORE INFO OR VISIT [REDBACKEXHAUSTS.COM.AU](http://REDBACKEXHAUSTS.COM.AU)



# 4X4 EXHAUST SYSTEMS



PERFORMANCE

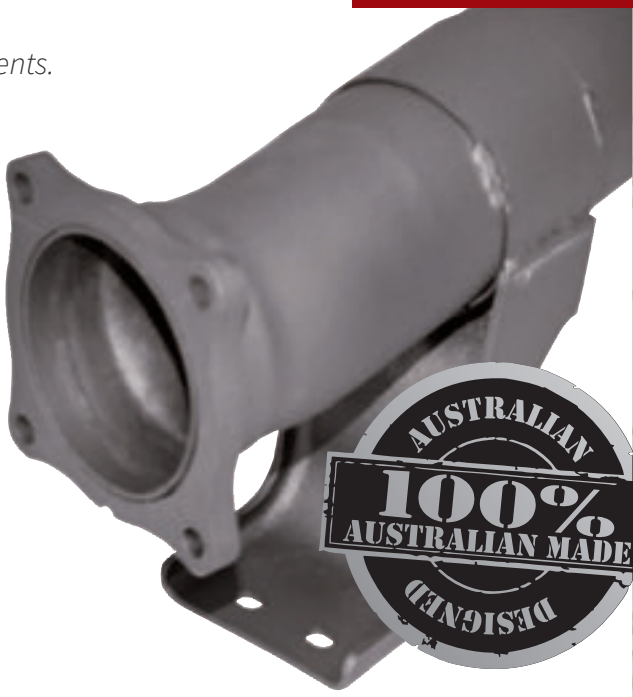
*Exhausts engineered to perform in the most unforgiving environments.  
Durable, extreme duty 4x4 performance exhaust systems.*

Built to last and built to perform, the Redback 4x4 Extreme Duty range has been made to go the distance in the toughest of outback conditions.

Each exhaust system is Australian made and backed by an industry-first three year warranty. Best of all, Redback's intelligent package design means each system can be shipped anywhere in Australia at an affordable price.

Rely on Redback for the ultimate performance and durability.

- Extreme durability
- Ultimate build quality
- Increased power and torque
- Improved acceleration
- Smoother performance
- Better fuel economy



## COMPLETE EXHAUST SYSTEM



Consisting of all the necessary aluminised steel tubes. Able to be configured precisely as the customer desires.

Including 200 CPI low restriction custom diesel specification metal substrate catalytic convert and bulkhead supported straight through muffler.

RXD is available in Tube Only complete systems, First Flange Back systems, Muffler Only systems or Cat/Muffler complete systems.

There is a Redback 4x4 Extreme Duty system for every application and they're all backed by the industry's only three year warranty for non stainless steel material.

## MUFFLER OPTIONS



The Redback 4x4 Extreme Duty systems offers the consumer a choice of interchangeable, bolt-on, muffler assemblies.

Every Redback 4x4 Extreme Duty system utilises mufflers reinforced with custom tooled and pressed tube support brackets and internal muffler body bulkheads.

For the ultimate in durability, Redback 4x4 Extreme Duty systems also utilise double wrapped hanger mounts.

## PACKAGED & PROTECTED



Redback 4x4 Extreme Duty exhaust systems come packed in a uniquely designed "smart box". The smart box has been specially designed to fit on a standard pallet when boxed. This means we can offer the quality Redback system at an extremely affordable price.

Redback 4x4 Extreme Duty exhaust systems are the best value for money you'll find. The transport costs for moving such systems usually range from between \$200-\$300 per unit, which is around 20% of your purchase price. But because the Redback 4x4 Extreme Duty exhaust systems is packaged to fit on a standard pallet, the cost is significantly reduced and the savings are passed on to the consumer, which has never previously been done with any type of exhaust system in Australia.



# **HARROP** ELocker™

**NO AIRLINES, NO COMPRESSOR - JUST TRACTION.**

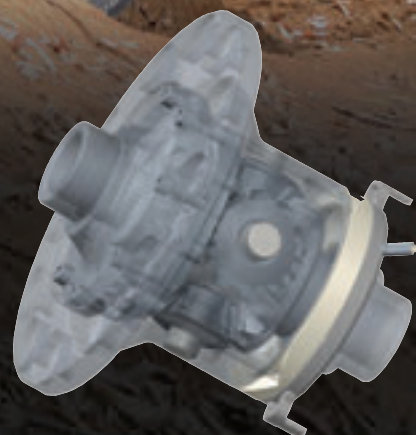


**AUSTRALIAN MADE  
3 YEAR WARRANTY  
ELECTROMAGNETIC LOCKED**

**FEATURING EATON TECHNOLOGY**

Harrop ELocker's electromagnetic locking, 4 pinion, forged gear design performs as an open differential until you need instant traction.

Manufactured by Harrop in Melbourne, utilising Eaton technology that has been durability validated in extreme conditions at Eaton's global test labs and dedicated 750 acre proving grounds.



ENGINEERING PERFORMANCE SINCE 1955



# HARROP ELOCKER

*For those who seek to push the boundaries of their four wheel drive.*

Harrop have developed the Harrop ELocker utilising the latest in Eaton technology, the ultimate choice in selectable locking differentials, giving maximum traction at a push of a button.

Unlike open differentials or limited slip systems Harrop ELocker can be selected as needed to lock the axles – directing drive power to both wheels across the axle. Even when only one wheel has contact, Harrop ELockers deliver torque and traction on demand. The unit performs as an open differential until you decide that you need more traction. At the flick of a button the Harrop ELocker performs as a full locker, capturing 100% of the available torque and sending it equally to both ends of the axle.

Harrop Engineering has developed a range of 4 pinion units utilising Eaton technology for the most popular 4WD vehicle models produced for enthusiasts. With over five decades of experience with automotive performance products, Harrop have engineered a system to take you where other systems fear to tread.

The Harrop ELocker utilises an electromagnetic locking mechanism, doing away with the need to run a compressor or airlines. Thus eliminating plastic/ rubber seals and airlines giving strength and durability. Its strength was proven when it was fitted to a purpose-built test rig designed to generate the stress of the most extreme off-road conditions. The axles reached failure point before the ELocker did, at an astonishing 10,025 Newton metres of pinion input torque.

Harrop manufactures ELockers for front and rear applications to suit most popular four wheel drive applications, offering an industry leading 3 years warranty.



## PERFORMANCE





# HARROP ELOCKER



| VEHICLE          | SERIES     | YEAR      | SUS'N | SPLINE | FRONT  | SUS'N | SPLINE | REAR     |
|------------------|------------|-----------|-------|--------|--------|-------|--------|----------|
| FORD             |            |           |       |        |        |       |        |          |
| RANGER           | PJ,PK      | 2006-2011 | IFS   | 28     | A11474 | RRS   | 32     | A11471   |
| RANGER           | PX         | 2012-     | IFS   | 29     | A11757 | RRS   | 32     | A11119   |
| MAVERICK         |            | ALL       | RFR   | 31     | A9684  | RRS   | 33     | A9635    |
| ISUZU            |            |           |       |        |        |       |        |          |
| DMAX             |            | 2012      | IFS   | 17     | A11556 | RRS   | 26     | A11559   |
| DMAX             |            | 2008-2012 | IFS   | 17     | A11556 | RRS   | 26     | A11559   |
| HOLDEN           |            |           |       |        |        |       |        |          |
| **JACKAROO       |            | 1988-     | IFS   | 17     | A11556 | *     | *      | *        |
| RODEO            |            | 1988-     | IFS   | 17     | A11556 | *     | *      | *        |
| COLORADO         |            | 2008-2011 | IFS   | 17     | A11556 | RRS   | 26     | A11559   |
| COLORADO         | RG         | 2012-     | IFS   | 28     | A11887 | RRS   | 30     | A12086   |
| **COLORADO 7     |            | 2013-     | IFS   | 28     | A11887 | *     | *      | *        |
| **FRONTERA/SPORT |            | 1990-     | IFS   | 17     | A11556 | RRS   | 30     | 19977-00 |
| LAND ROVER       |            |           |       |        |        |       |        |          |
| DEFENDER         | 110,130    | 2002-     | RFS   | 24     | A11301 | RRS   | 24     | A11415   |
| DEFENDER         | 110,130    | 1993-     | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| DEFENDER         | 110,130    | 1983-1993 | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| DEFENDER         | 110,130    | 1983-2002 | RFS   | *      | *      | RRS   | 24     | A11870   |
| DEFENDER         | 90         | 1993-     | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| DISCOVERY        |            | 1993-1998 | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| DISCOVERY        | 2          | ALL       | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| LWB MODELS V8    |            | 1979-1983 | RFS   | 24     | A11301 | RRS   | 24     | A11870   |
| LWB MODELS V8    |            | 1979-1983 | RFS   | 24     | A11870 | RRS   | 24     | A11870   |
| RANGE ROVER      |            | 1993-1998 | RFS   | 24     | A11301 | RRS   | 24     | A11301   |
| RANGE ROVER      |            | ALL       | RFS   | 24     | A11415 | RRS   | 24     | A11415   |
| MAZDA            |            |           |       |        |        |       |        |          |
| BT50             |            | 2006-2011 |       | 28     | A11474 | RRS   | 32     | A11471   |
| BT50             |            | 2012-     | IFS   | 29     | A11757 | *     | *      | *        |
| MITSUBISHI       |            |           |       |        |        |       |        |          |
| TRITON           | ML,MN,MK   | 2002-     | IFS   | 28     | A11425 | RRS   | 31     | A11428   |
| TRITON           |            | ALL       | *     | *      | *      | RRS   | 28     | A11970   |
| NISSAN           |            |           |       |        |        |       |        |          |
| NAVARA           | D22 4 CYL. | 1986-     | IFS   | 27     | A11250 | RRS   | 31     | A11257   |
| NAVARA           | D40        | 2005-     | IFS   | 27     | A11525 | RRS   | 32     | A11568   |
| NAVARA           | D40        | 2005-     | IFS   | 27     | A11120 | RRS   | 32     | A11568   |
| NAVARA           | D40        | 2005-     | IFS   | 27     | A11525 | RRS   | 32     | A11119   |
| NAVARA           | D40        | 2005-     | IFS   | 27     | A11120 | RRS   | 32     | A11119   |
| PATROL           | GQ         | 1989-1997 | RFS   | 31     | A9684  | RRS   | 33     | A9635    |
| PATROL           | GU         | 1997-     | RFS   | 31     | A9684  | RRS   | 33     | A9635    |
| PATHFINDER       | R50        | 1986-2005 | *     | *      | *      | RRS   | 33     | A9635    |



| VEHICLE          | SERIES      | YEAR       | SUS'N | SPLINE | FRONT  | SUS'N | SPLINE | REAR   |
|------------------|-------------|------------|-------|--------|--------|-------|--------|--------|
| NISSAN           |             |            |       |        |        |       |        |        |
| **PATHFINDER     | R50         | 1986-2005  | *     | *      | *      | RRS   | 31     | A9684  |
| **PATHFINDER     | R51         | 2005-2013  | IFS   | 27     | A11120 | *     | *      | *      |
| **PATHFINDER     | R51         | 2005-2013  | IFS   | 27     | A11525 | *     | *      | *      |
| TOYOTA           |             |            |       |        |        |       |        |        |
| FJ CRUISER       |             | 2005-      | IFS   | 30     | A10994 | RRS   | 30     | A9334  |
| FJ CRUISER       |             | 2005-      | IFS   | 30     | A11110 | RRS   | 30     | A9334  |
| HILUX            |             | 1997-2005  | IFS   | 27     | A11167 | RRS   | 30     | A9334  |
| HILUX            |             | 2005-      | IFS   | 30     | A10994 | RRS   | 30     | A9334  |
| HILUX            |             | 2005-      | IFS   | 30     | A11110 | RRS   | 30     | A9334  |
| HILUX            |             | -2005      | IFS   | 27     | A11412 | RRS   | 30     | A9334  |
| HILUX            |             | 1997-2005  | IFS   | 27     | A11444 | RRS   | 30     | A9334  |
| HILUX / 4 RUNNER |             | -1997      | IFS   | 27     | A11167 | RRS   | 30     | A9334  |
| HILUX / 4 RUNNER |             | -1997      | IFS   | 27     | A11444 | RRS   | 30     | A9334  |
| HILUX / 4 RUNNER |             | -1997      | RFS   | 30     | A9334  | RRS   | 30     | A9334  |
| LANDCRUISER      | 100         | 1998-2007  | RFS   | 30     | A9334  | RRS   | 32     | A9574  |
| LANDCRUISER      | 100         | 1998-2007  | IFS   | 30     | A10976 | RRS   | 32     | A9574  |
| LANDCRUISER      | 200         | 2007-      | IFS   | 34     | A11092 | RRS   | 32     | A9574  |
| LANDCRUISER      | 40,42,45,47 | -1986      | RFS   | 30     | A9378  | RRS   | 30     | A9334  |
| LANDCRUISER      | 60          | -1989      | RFS   | 30     | A9378  | RRS   | 30     | A9334  |
| LANDCRUISER      | 70          | 2007-      | RFS   | 30     | A9334  | RRS   | 32     | A9574  |
| LANDCRUISER      | 70          | 11/99-2007 | RFS   | 30     | A9334  | RRS   | 32     | A9574  |
| LANDCRUISER      | 70          | 1990-1999  | RFS   | 30     | A9334  | RRS   | 30     | A9334  |
| LANDCRUISER      | 70          | -1989      | RFS   | 30     | A9378  | RRS   | 30     | A9334  |
| LANDCRUISER      | 80          | 1990-1998  | RFS   | 30     | A9334  | RRS   | 30     | A9334  |
| PRADO            | 120         | 2003-2009  | IFS   | 30     | A10994 | RRS   | 30     | A9334  |
| PRADO            | 120         | 2003-2009  | IFS   | 30     | A11110 | RRS   | 30     | A9334  |
| PRADO            | 150         | 2009-      | IFS   | 30     | A11110 | RRS   | 30     | A11114 |
| PRADO            | 90          | 1996-2002  | IFS   | 27     | A11167 | RRS   | 30     | A9334  |
| GREAT WALL       |             |            |       |        |        |       |        |        |
| V240             |             | 2011-      | *     | *      | *      | RRS   | 30     | A12050 |

## APPLICATION GUIDE NOTES

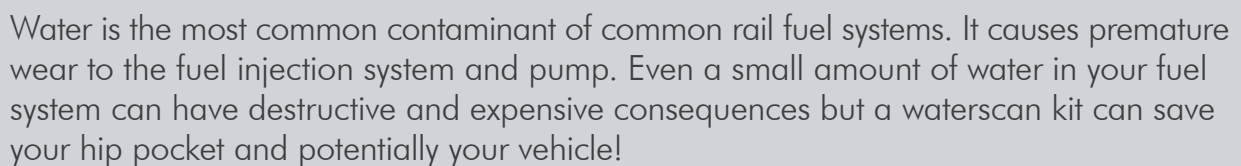
This vehicle guide covers most known Australian applications but is not a complete list of all possible variants. For more vehicles applications, please contact Opposite Lock on 1800 62 44 44. Makes, models and years can vary depending on where vehicle is manufactured. Please use supplied specifications to distinguish between similar models where possible.

For expert advice on selecting the right Elocker for your vehicle, speak to our experienced 4x4 team at Opposite Lock.

\*\* Any model with a double asterisk is an unconfirmed fit as of February 2014.







### + Kits include:

|   |   |
|---|---|
| 10mm fittings are recommended for the following popular vehicles: | 12mm fittings are recommended for the following popular vehicles: |
| • Toyota Hilux 1KD-FTV CR   | • Toyota Landcruiser V8 200 Series                                |
| • Toyota Prado 1KD-FTV 120 and 150 series                         | • Toyota Landcruiser V8 79 Series                                 |
| • Ford Ranger / Mazda BT50 3.2ltr                                 | • Mitsubishi Triton / Pajero 4D56 CR                              |
| • Holden Rodeo / Colorado / Isuzu D-MAX 3ltr                      | 8mm fittings are recommended for the following vehicles:          |
| • Nissan Navara D40 / D22 & Pathfinder                            | • Ford Ranger   |
| • Nissan Y61 Patrol   | • Mazda BT50 3ltr   |

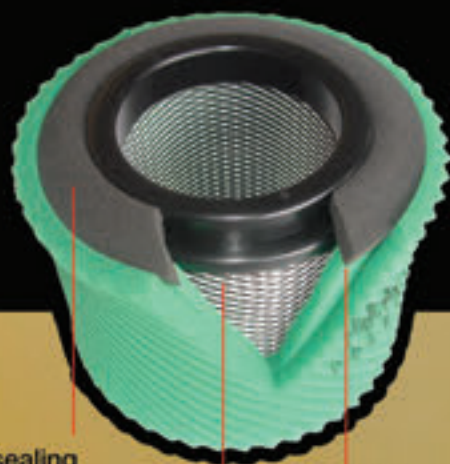
Denco Diesel + Turbo Universal Waterscan Kits are available from your favourite Opposite Lock store. Visit **[www.oppositelock.com.au](http://www.oppositelock.com.au)** or freecall **1800 62 44 44**.

**denco**  
DIESEL + TURBO.

**www.dencodiesel.com**



# IF YOU DO IT IN THE DIRT **USE** PROTECTION.



Soft foam seal for improved filter sealing

Removable inner safety stage

Steel support frame

Filters down to 4 microns! (no other filter comes close)



Snorkel Pre-Cleaner



"Bruce Garland/Harry Suzuki" Isuzu Motorsport  
Rely on Unifilter!

Two stage re-usable foam air filters.  
Available for all popular 4x4's,  
car & light commercials.

Unifilter's filters are the best air filters you  
can buy for your 4x4! They will give you  
improved engine protection, performance &  
fuel economy!



100% Australian made,  
owned and designed!

# UNI FILTER

[www.unifilter.com.au](http://www.unifilter.com.au)



# DON'T GET BURNT

## PLASTIC AIN'T PLASTIC

**BEWARE!** CHEAP IMPORT COPIES WILL QUICKLY DETERIORATE, WARP, HARDEN AND CRACK!

THE ONLY RANGE OF SNORKELS TO OFFER THE **OPTION** OF AN **EFFECTIVE AIR RAM** OR CORRECTLY SIZED **PRE-CLEANER**



**CUSTOM MOLDED 130C RATED** EPDM OR CUFFED FLEXIBLE HOSE AIR CLEANER CONNECTION DUCTS



**STAINLESS STEEL HARDWARE** - NUTS 'A' PILLAR BRACKET, SCREWS, CLAMPS, STUDS AND WASHERS

**PERFECTLY ENGINEERED** CROSS SECTIONAL AREA IN ALL DUCTING FOR **ZERO RESTRICTION** AT O.E. ENGINE RATED POWER\*

THE ONLY SNORKEL MADE FROM **UV20 RATED MATERIAL** TO WITHSTAND **EXTREME HEAT!**

\*Some Safari snorkels are designed to deliver significantly more air than that required by the O.E. power level. Check with your Safari retailer.

## BREATHE EASY TRUST SAFARI

TO SEE WHY IT IS IMPORTANT TO UNDERSTAND FROM WHAT MATERIALS YOUR SNORKEL IS MANUFACTURED GO TO [DONT-GET-BURNT.COM](http://DONT-GET-BURNT.COM)

SAFARI005



DESIGNED, MOULDED AND MANUFACTURED IN AUSTRALIA



[safari snorkel.com.au](http://safari snorkel.com.au)



# SAFARI SNORKEL



PERFORMANCE

*Pioneered in Australia in the early 1980's, Safari Snorkels were born out of a need to protect 4WD engines from the hazards of dust and water commonly encountered in touring and off road applications.*

In arguably the best, if not toughest environment, Safari Snorkel Systems are thoroughly researched, tested and tooled for each unique model of popular 4WD in Australia. Genuine Safari Snorkels - the snorkel trusted by Australians.

Safari Snorkel Systems are manufactured to the highest standards in durable, UV stable, cross linked polyethylene material and deliver a continuous and cooler supply of air for maximum engine performance. Each system includes quality fixtures and fittings that deliver superior sealing, OEM levels of presentation and long-term durability.

In addition, Safari Snorkels are positively sealed in order to provide the engine with the ultimate in protection during river crossings and dusty desert driving conditions.



# DIFF BREATHER KITS



*Are you the type of 4WDriver that uses and relies upon your snorkel to ensure your engine is safe from the ingress of water?*

In addition to your precious engine internals, there are some other critical, oil-filled chambers that make up your transmission components at the very point where all your power developed has to become effective traction, in contact with all the elements which go into making a great day's tripping in the bush.

Extended Diff Breathers are designed to sit high up, out of harm's way, and allow the breathing process to occur in both directions. So, now you can "Breathe easy" yourself, knowing your axle housings, and all their important contents can face the elements without the risk of sucking in all the nasties that make up a great day in the bush.

Opposite Lock has launched its' precision manufactured, packaged Diff Breather Kit which comes with comprehensive fitting instructions for the do-it-yourselfer, and everything needed to achieve a professional looking finished project.







# **More power** **Even more savings**



- ▶ **IMPROVES** POWER & TORQUE
- ▶ **AVERAGE 12%** BETTER FUEL ECONOMY
- ▶ **REDUCED** EMISSIONS
- ▶ **1 YEAR ENGINE & DRIVELINE WARRANTY**





# DIESEL PERFORMANCE CHIPS



PERFORMANCE

*With Tunit Diesel Performance Chips, you get more power & torque and better fuel economy. Diesel tuning performance and economy solutions for diesel 4x4s.*

Tunit is an externally installed performance product suitable for all modern diesel engines. Tunit is designed to improve power, torque and efficiency, without compromising fuel economy. The Tunit is able to increase performance, improve fuel economy and reduce emissions due to the computer hardware and firmware within the Tunit. In most cases applications will achieve a 7-10% saving on fuel.

Tunit is retro-fit and will not interfere with original equipment or the manufacturers warranties. Installation is usually a swift process of less than 30 minutes. Thanks to Tunit, diesel tuning is possible to increase the performance of all modern diesel vehicles by up to 30%.



## TUNIT V-CR



### SPECIFICATIONS

The Tunit V-CR covers the majority of modern diesels and in its different forms fits all common rail engines.

The size of a mobile phone and complete with original manufacturer's plugs, it comes preprogrammed and can be altered by manual adjustment or laptop tuning.

**Dimensions:** 75 x 55 x 21 (mm)

**Weight:** 40g

## TUNIT V-VP



### SPECIFICATIONS

The Tunit V-VP is suited to all engines with variable pumps. These are mostly the Japanese engines up to 2001, although some manufacturers still prefer this injection system.

The Tunit comes complete with a detachable harness and either a connection to fit to the ECU or wires that attach to your existing wiring harness.

**Dimensions:** 75 x 55 x 21 (mm)

**Weight:** 40g

## TUNIT V-PD



### SPECIFICATIONS

This Tunit suits all PD or single unit injection systems. It comes complete with original manufacturer's plugs and is easily fit in under 20 minutes. Once fit it is unobtrusive and original in appearance.

The power and torque gains are more than impressive giving incredible performance.

**Dimensions:** 75 x 55 x 21 (mm)

**Weight:** 40g