

Instructions for:  
**VS2042, VS2043, VS2044**  
**DIESEL ENGINE COMPRESSION TEST KIT**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

**!** **IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

**1. SAFETY INSTRUCTIONS**

- WARNING! Ensure all Health and Safety, local authority, and general workshop practice regulations are strictly adhered to when using product.**
- ✓ Compression tests on diesel engines should be conducted when the engine is cold.
- ✓ Maintain tools in good and clean condition for best and safest performance. **DO NOT** use test kit if damaged.
- ✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- ✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.
- ✓ Use proper ventilation and avoid breathing in exhaust fumes.
- ✓ Keep a fire extinguisher to hand.
- ✓ Fuel delivery must be prevented by either operating the engine stop lever or disconnecting fuel pump solenoid.
- ✓ Ensure you keep tester at arms length when relieving pressure to avoid personal injury.
- ✓ Protect your hands from burns as quick release coupling and adaptors may become hot during use.
- ✓ Account for all tools and parts being used and do not leave them in, on or near the engine after use.
- x **DO NOT** remove the compression test equipment while engine is being cranked.

**IMPORTANT:** Always refer to the vehicle manufacturer's service instructions, or proprietary manual to establish the current procedure and data. These instructions for use are provided as a guide only .

**VS2044**  
Diesel Engine Compression  
Test Kit - Master

**VS2043**  
Diesel Engine Compression  
Test Kit - Deluxe

**VS2042**  
Diesel Engine Compression  
Test Kit - Popular



**VS2044 Master**



**VS2043 Deluxe**



**VS2042 Popular**

**Associated Tool VS20456 Clamp-on Injector Adaptor Set**

## 2. INTRODUCTION & APPLICATIONS

Diesel Engine Cylinder Compression testing - cars, vans, truck, agricultural and marine engines.

A modular range of Diesel Engine Compression Test Kits and a comprehensive selection of dummy glowplug and injector adaptors covering the huge range of modern diesels encountered in service workshops today.

These kits offer a choice of initial levels of application coverage and the large range of adaptors then provide the opportunity of selectively increasing the application coverage, as required.

The Dummy Glowplug and Injector Adaptors are available in sets or can be purchased individually.

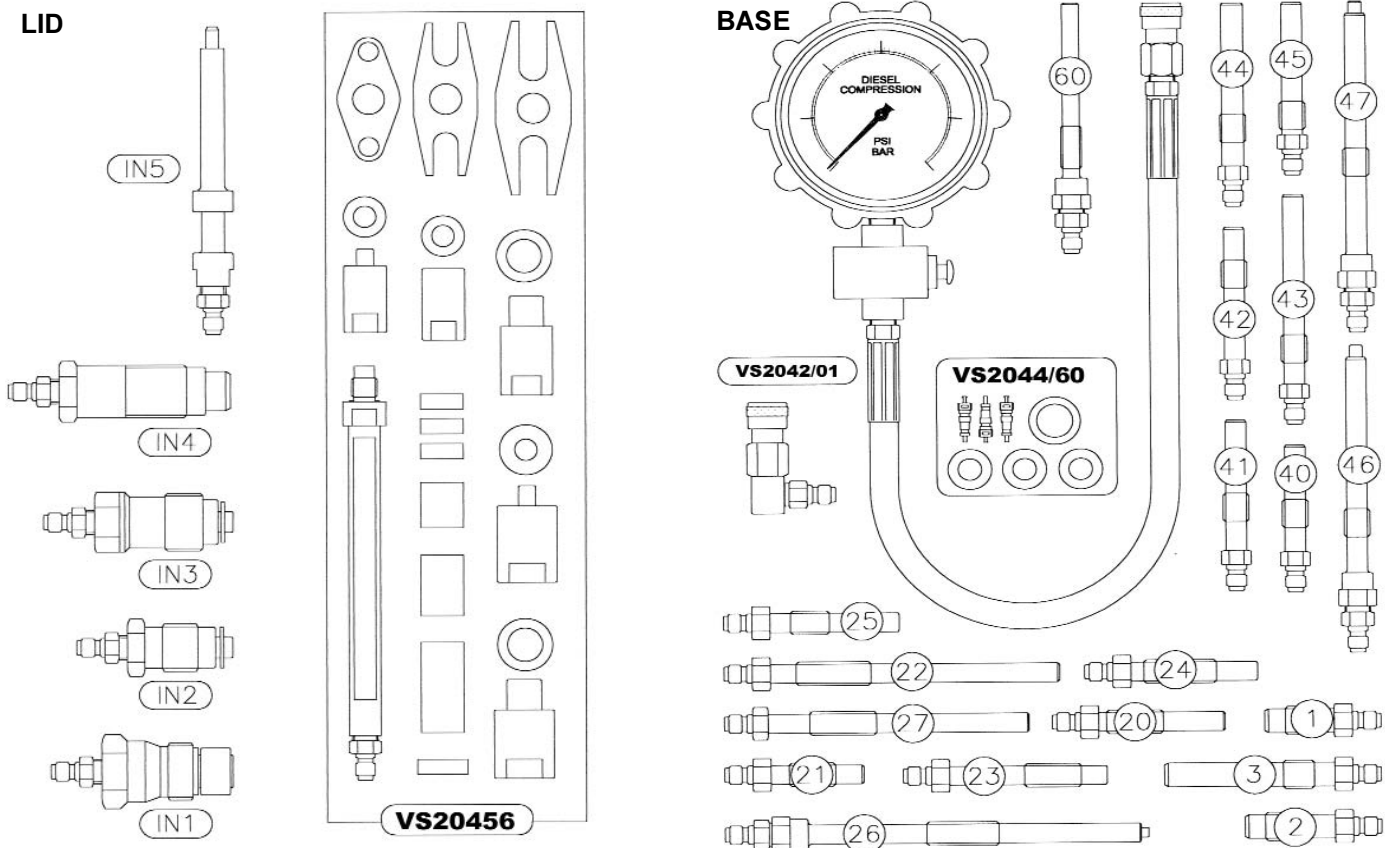
### 2.1. Kit Contents Detail

VS2042 Popular

VS2043 Deluxe

VS2044 Master

Diesel Engine Compression Test Kits



| Test Kit Contents.                                | VS2042<br>Popular | VS2043<br>Deluxe | VS2044<br>Master |
|---|-------------------|------------------|------------------|
| VS2042/01 Gauge & Hose Assy c/w 90° Coupler Elbow | •                 | •                | •                |
| <b>Dummy Glow Plug Adaptor</b>                    |                   |                  |                  |
| VS2043/1 GP Adaptor                               | •                 | •                | •                |
| VS2043/2 GP Adaptor                               |                   | •                | •                |
| VS2043/3 GP Adaptor                               |                   | •                | •                |
| VS2043/20 GP Adaptor                              |                   | •                | •                |
| VS2043/21 GP Adaptor                              |                   | •                | •                |
| VS2043/22 GP Adaptor                              |                   | •                | •                |
| VS2043/23 GP Adaptor                              |                   | •                | •                |
| VS2043/24 GP Adaptor                              |                   | •                | •                |
| VS2043/25 GP Adaptor                              |                   | •                | •                |
| VS2043/26 GP Adaptor                              |                   | •                | •                |
| VS2043/27 GP Adaptor                              |                   | •                | •                |
| VS2043/40 GP Adaptor                              | •                 | •                | •                |
| VS2043/41 GP Adaptor                              | •                 | •                | •                |
| VS2043/42 GP Adaptor                              |                   | •                | •                |

| Test Kit Contents.                         | VS2042<br>Popular | VS2043<br>Deluxe | VS2044<br>Master |
|--|-------------------|------------------|------------------|
| <b>Dummy Glow Plug Adaptor (continued)</b> |                   |                  |                  |
| VS2043/43 GP Adaptor                       | •                 | •                | •                |
| VS2043/44 GP Adaptor                       | •                 | •                | •                |
| VS2043/45 GP Adaptor                       |                   | •                | •                |
| VS2043/46 GP Adaptor                       |                   | •                | •                |
| VS2043/47 GP Adaptor                       |                   | •                | •                |
| VS2043/60 GP Adaptor                       |                   | •                | •                |
| <b>Dummy Injector Adaptors</b>             |                   |                  |                  |
| VS2044/1 Injector Adaptor (IN1)            | •                 | •                | •                |
| VS2044/2 Injector Adaptor (IN2)            | •                 | •                | •                |
| VS2044/3 Injector Adaptor (IN3)            | •                 | •                | •                |
| VS2044/4 Injector Adaptor (IN4)            | •                 | •                | •                |
| VS2044/5 Injector Adaptor (IN5)            | •                 | •                | •                |
| VS2044/60 Valve & Seal Set                 | •                 | •                | •                |
| VS20456 Clamp-on Injector Adaptor Set      |                   |                  | •                |
| VS2042/02 Case + Inserts                   | •                 | •                | •                |

### 3. INSTRUCTIONS

#### VS2042, VS2043 & VS2044 Diesel Engine Compression Test Kits

These kits are configured to provide the option of purchasing at various levels of application coverage. This can then be subsequently increased via the addition of further Adaptors either in sets or individually to cover specific vehicle marque/applications.

**VS2042/01 Compression Tester** is at the centre of the Sealey Diesel Engine Compression Test range. It comprises a quality dual scale pressure gauge (0-70 bar/0-1000psi), Re-test valve (pressure relief valve), hose assembly with straight connecting coupler and a swivel 90° coupler elbow providing an alternative connection onto the adaptors.

**VS2042/02 Compartmented Storage Case** used for every kit, providing a place for the VS2042/01 Tester and all adaptors.

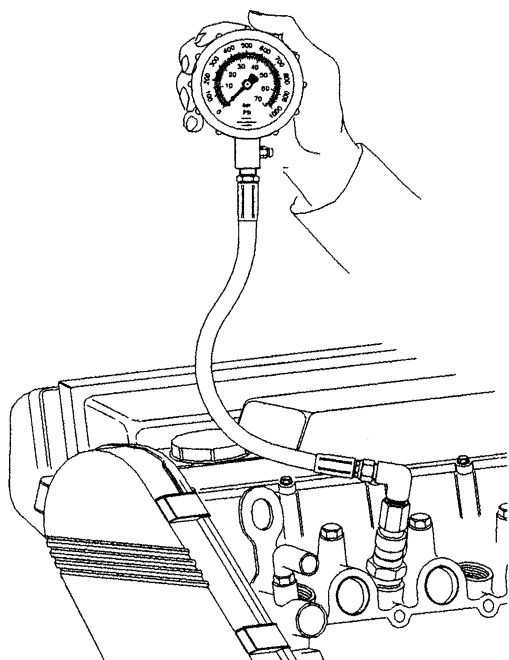
**The Adaptor Range** comprises Dummy Glowplug and Dummy Injector Adaptors. These are available in Sets or individually - see Application Guide.

All adaptors connect to the Tester via a quick coupler system.

#### Diesel Engine Compression Testing - General

**WARNING: When carrying out a cranking test, engine fuel delivery must be prevented by either operating the engine stop lever or disconnecting the fuel pump solenoid.**

**The engine MUST NOT be allowed to 'fire' or damage could result to the tester, particularly the non-return valves.**



Compression tests on diesel engines should be conducted when the engine is **COLD**.

Always ensure that the battery is fully charged when carrying out a crank test as this could influence the results.

Remove the glowplug or injector from the cylinder to be tested and replace with the appropriate adaptor.

**The VS2042/01 Compression Tester** is connected to the adaptor via the quick coupler on the hose assembly. Alternatively, when space is restricted, the 90° swivel coupler elbow can be fitted into the quick coupler to improve access.

**Crank Test:** Crank the engine whilst observing the gauge. The indicator needle will rise in increasing steps until a maximum reading is reached, then stop cranking. Note down the gauge reading. Depress the Re-test valve to relieve pressure.

**WARNING: Hold gauge away from you, at arms length, due to high pressure release.**

Remove the tester and adaptor, install on the next cylinder, and repeat test until all cylinders have been assessed. Compare data obtained comparatively and to that published by the vehicle/engine manufacturer.

#### Performance Guide:

Compression should build up quickly in a healthy engine.

A low compression on the first stroke, followed by gradually-increasing pressure on successive strokes, indicates worn piston rings.

A low compression reading on the first stroke, which does not build up during successive strokes, indicates leaking valves or a faulty head gasket (a cracked head could also be the cause).

Deposits on the underside of the valve heads can also cause low compression.

If the pressure in any cylinder is considerably lower than the others, introduce a small quantity of clean oil into that cylinder and repeat the test.

If the addition of oil temporarily improves the compression pressure, this indicates that bore or piston wear is responsible for the pressure loss. No improvement suggests that the leakage is past the valves, or a faulty head gasket may be to blame.

A low reading from two adjacent cylinders suggests a faulty head gasket between the two cylinders. The presence of coolant in the engine oil will confirm this.

If the compression is unusually high, the combustion chambers are probably coated with carbon deposits. If this is the case, the cylinder head should be removed and de-carbonised.

## 4. Associated Tools:

### Adaptor Sets



### VS20456 Clamp-on Injector Adaptor Set

#### COMPRESSION TEST KITS - CONTENTS

Each Sealey Diesel Engine Compression Test Kit contains a selection of Adaptors and therefore provides a level of application coverage - see following Application Guide.

VS2042 Popular Kit contains - Glowplug Adaptors from Set VS20451 and Injector Adaptors from VS20455 Set

VS2043 Deluxe Kit contains- Glowplug Adaptors from Sets VS20451, VS20452, VS20453 and VS20454 and Injector Adaptors from VS20455 Set.

VS2044 Master Kit contains - ALL Glowplug & Injector Adaptors including VS20456 Clamp-on Injector Adaptor Set.

The application coverage of VS2042 Popular Kit or VS2043 Deluxe Kit can be increased by obtaining additional Adaptor Sets or individual adaptors.

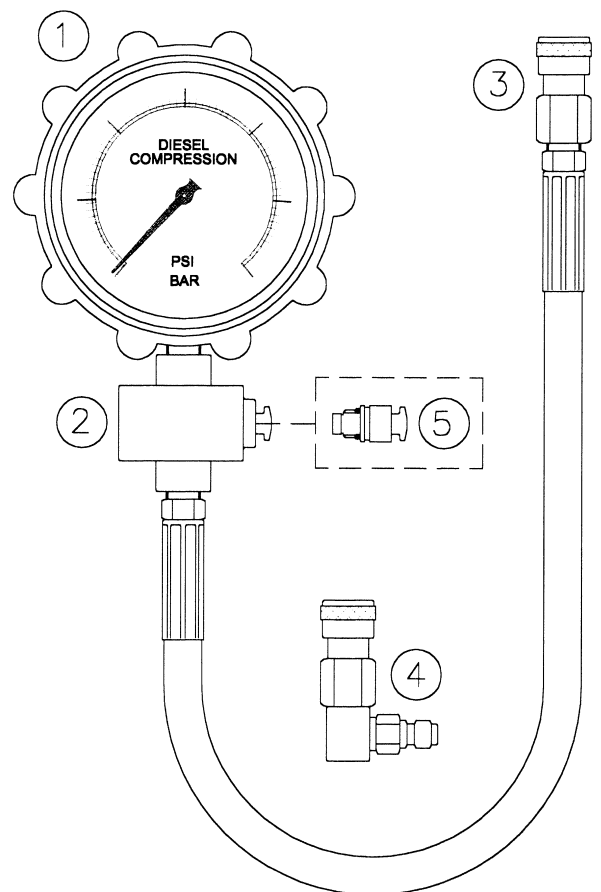
For users who have VS2042/01 Tester and VS2042/02 Case, the complete range of Adaptors are available as Sets or as individual adaptors to suit the particular vehicle marque handled by the workshop.

#### MODEL/ENGINE APPLICATION COVERAGE AND DETAILS OF WHICH ADAPTORS ARE IN THE SETS ARE PROVIDED IN THE SEPARATE APPLICATION GUIDE.

#### VS20456 Clamp-on Injector Adaptor Set

This Clamp-on Adaptor Set is included in Master Kit VS2044.

It is also available separately and instructions on its use and details of parts are provided in VS20456 product information set.



### VS2042/01 Compression Tester

#### Spares

| Item | Part Number | Description                                   |
|------|-------------|---|
| 1    | VS2042/011  | Gauge & Cover                                 |
| 2    | VS2042/012  | Re-test Valve Assembly                        |
| 3    | VS2042/013  | Hose Assembly                                 |
| 4    | VS203B/9    | 90° Elbow Coupler                             |
| 5    | VS2042/014  | Repl. Valve Assy for VS2042/012 Re-test Valve |

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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## DIESEL ENGINE COMPRESSION



# APPLICATION GUIDE

## DIESEL ENGINE COMPRESSION

Each Sealey Diesel Engine Compression Test Kit provides a level of model application coverage which can be subsequently increased by adding adaptors from the range of Dummy Glowplugs and Dummy Injectors available. Adaptors are available individually or in 'vehicle group' sets which build up to provide the selected application coverage.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

## Diesel Engine Compression Adaptor Range

The following Application Charts provide a guide to:

- Dummy Glowplug Adaptors - vehicle/engine - Adaptor reference
- GP Adaptor Sets - models covered by Adaptors in each Set
- Test Kits - vehicle models covered by each Compression Test Kit

### Adaptor Sets:

There are 6 Adaptor Sets which broadly cover the following applications . . .

**VS20451** Glowplug Adaptor Set (Qty 5) - General, popular coverage including a selection from the Alfa, BMW, Chrysler, PSA, Fiat, Ford, Mazda, Mercedes, Mitsubishi, Nissan, Renault, Rover, Saab, Suzuki, Vauxhall, VAG & Volvo ranges of diesel engines.

**VS20452** Glowplug Adaptor Set (Qty 5) - Additional coverage of Alfa, PSA, Fiat & Ford engines.

**VS20453** Glowplug Adaptor Set (Qty 6) - Additional coverage of Isuzu, Mercedes, Renault & Vauxhall engines.

**VS20454** Glowplug Adaptor Set (Qty 6) - Additional coverage of Ford, Hyundai, LDV, Mazda, Mitsubishi, Nissan, Suzuki & Toyota engines.

**VS20455** Injector Adaptor Set (Qty 5) - Popular applications for preferred Injector entry M24, M22 & M20 on BMW, Land Rover, Ford, Mercedes, Nissan, PSA, Toyota, VAG & Vauxhall engines. Also includes Stanadyne Injector for Ford Transit (-00)

**VS20456** Clamp-on Injector Adaptor Set - Covers slide in, clamp or claw held injectors found across all sizes of engine - cars to larger diesels

### Diesel Compression Testing

| Kit Level | Compression Kit |
|-----------|-----------------|
| POPULAR   | VS2042          |
| DELUXE    | VS2043          |
| MASTER    | VS2044          |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                           | YEAR  | ENGINE              | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|-----------------------------------|-------|---------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                                   |       |                     |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <b>AUDI continued</b>             |       |                     |                      |                 |         |         |         |                  |               |               |
| AUDI A4 2.5TDi QUATTRO & AVANT V6 | 97-00 | AFB, AKN            | 44                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 1.9TDi & AVANT            | 95-   | 1Z, AFN             | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 1.9TDi & AVANT            | 98-   | AJM                 | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 1.9TDi                    | 96-98 | AHU                 | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 2.5TDi & AVANT V6         | 97-   | AFB, AKN, AKE       | 44                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 2.5TDi & AVANT            | 01-   | AVF                 | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 2.5TDi & AVANT            | 94-98 | AAT, AEL            | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A6 2.5TDi QUATTRO            | 95-97 | AEL                 | 40                   | •               |         |         |         | •                | •             | •             |
| AUDI A8 2.5TDi V6                 | 97-98 | AFB                 | 44                   | •               |         |         |         | •                | •             | •             |
| AUDI A8 2.5TDi V6                 | 98-   | AKN                 | 44                   | •               |         |         |         | •                | •             | •             |
| AUDI A8 2.5TDi QUATTRO V6         | 97-98 | AFB, AKN, AKE, AKF  | 44                   | •               |         |         |         | •                | •             | •             |
| <b>BMW</b>                        |       |                     |                      |                 |         |         |         |                  |               |               |
| BMW 318 1.7TDS, COMPACT           | 94-   | M41 D18             | 1                    | •               |         |         |         | •                | •             | •             |
| BMW 320 2.0D (E46)                | 98-   | M47 D20             | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 320 2.0D (E46) TOURING        | 99-   | M47 D20             | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 325 2.5TD, TDS, TOURING       | 91-99 | M51 D25             | 1                    | •               |         |         |         | •                | •             | •             |
| BMW 330 2.9Di (E46)               | 99-   | DDE306              | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 330D (E46)                    | 00-   | M57 D30             | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 520 2.0D (E39)                | 00-   | M47 D20             | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 525 2.5TD, TDS                | 93-   | M51 D25             | 1                    | •               |         |         |         | •                | •             | •             |
| BMW 525D                          | 00-   | 25 6 D1 (M57 D25)   | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 530 2.9D (E39)                | 98-   | M57 D30             | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 540D                          | 00-   | 25 6 D1 (M57 D25)   | 40                   | •               |         |         |         | •                | •             | •             |
| BMW 725 2.5TDS                    | 96-00 | M51 D25             | 1                    | •               |         |         |         | •                | •             | •             |
| BMW 730D, TD                      | 98-   | M57D30              | 40                   | •               |         |         |         | •                | •             | •             |
| BMW X5 2.9Di                      | 99-   | DDE306D1 (M57 D30)  | 40                   | •               |         |         |         | •                | •             | •             |
| <b>CHRYSLER</b>                   |       |                     |                      |                 |         |         |         |                  |               |               |
| CHRYSLER GRAND VOYAGER 2.5TD      | 95-   | VM                  | 40                   | •               |         |         |         | •                | •             | •             |
| CHRYSLER VOYAGER 2.5TD            | 92-95 | VM HR492CLI         | 1                    | •               |         |         |         | •                | •             | •             |
| CHRYSLER VOYAGER 2.5TD            | 95-   | VM HR425 CLIEE      | 40                   | •               |         |         |         | •                | •             | •             |
| <b>CITROEN</b>                    |       |                     |                      |                 |         |         |         |                  |               |               |
| CITROEN AX 1.4D                   | 88-94 | TUD3, TUD3Y, TUD3L  | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN AX 1.5D                   | 94-97 | TUD5 (VJY, VJZ)     | 40                   | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.8D             | 98-   | XUD7                | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.8D             | 96-98 | XUD7                | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.8D             | 98-   | DW8                 | 40                   | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.8TD            | 98-   | DW8TD               | 40                   | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.9D             | 98-   | XUD9                | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.9D             | 96-98 | XUD9A               | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 1.9D             | 98-   | DW8, DW8B           | 40                   | •               |         |         |         | •                | •             | •             |
| CITROEN BERLINGO 2.0HDI           | 99-   | DW10, DW10TD        | 45                   | •               | •       |         |         | •                | •             | •             |
| CITROEN BX 1.9D/TD                | 83-   | XUD9A, XUD9L, XUD9T | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN C15 1.8D                  | 85-96 | XUD7                | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN C15 1.9D                  | 98-   | XUD7                | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN C15 1.9D                  | 98-   | DW8B                | 40                   | •               |         |         |         | •                | •             | •             |
| CITROEN C2 1.4Hdi                 | 03-   | DV4TD               | 60                   | •               | •       |         |         | •                | •             | •             |
| CITROEN C25 1.9D                  | 87-   | XUD9A, CRD93L       | 1                    | •               |         |         |         | •                | •             | •             |
| CITROEN C25 2.5TD                 | 87-   | CRD93LS             | 1                    | •               |         |         |         | •                | •             | •             |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| Application Listing by Vehicle – Glowplug Adaptors |       |                         | GP Adaptor Sets      |         |         |         | Compression Kits |                |               |               |
|--|-------|-------------------------|----------------------|---------|---------|---------|------------------|----------------|---------------|---------------|
| VEHICLE  | YEAR  | ENGINE                  | Glowplug Adaptor No. | VS20451 | VS20452 | VS20453 | VS20454          | VS2042 POPULAR | VS2043 DELUXE | VS2044 MASTER |
| <b>ALFA ROMEO</b>                                  |       |                         |                      |         |         |         |                  |                |               |               |
| ALFA 145 1.9JTD                                    | 98-   | AR32302                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 145 1.9TD                                     | 94-96 | AR67501, AR67502        | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 145 1.9TD                                     | 96-   | AR33601                 | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 145 2.0TD                                     | 94-96 | AR67501                 | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 146 1.9JTD                                    | 98-   | AR32302                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 146 1.9TD                                     | 94-96 | AR67501, AR67502        | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 146 1.9TD                                     | 98-99 | AR33601                 | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 147 1.9JTD                                    | 01-   | AR37101                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 155 1.9TD                                     | 93-97 | AR67501, AR67502        | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 155 1.9TD                                     | 96-97 | AR33601                 | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 155 2.0TD                                     | 93-97 | AR67501                 | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 155 2.5TD                                     | 93-95 | VM07, VM31B             | 1                    | •       |         |         |                  | •              | •             | •             |
| ALFA 155 2.5TD                                     | 95-97 | VM07, VM31B             | 40                   | •       |         |         |                  |                | •             | •             |
| ALFA 156 1.9JTD                                    | 99-   | AR32302                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 156 2.4JTD                                    | 99-   | AR32501                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 156 2.4JTD                                    | 99-   | AR32302                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 164 2.5TD SUPER                               | 92-95 | VM08.0000001            | 1                    | •       |         |         |                  |                | •             | •             |
| ALFA 164 2.5TD SUPER                               | 95-98 | VM08B, VM32B            | 40                   | •       |         |         |                  |                | •             | •             |
| ALFA 166 2.4JTD                                    | 00-   | AR36202                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 166 2.4JTD                                    | 98-00 | AR34202                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 166 2.4JTD                                    | 00-   | AR36202                 | 42                   |         | •       |         |                  |                | •             | •             |
| ALFA 33 1.8TD                                      | 86-94 | VM82A, VM96A, VM HR-392 | 1                    | •       |         |         |                  | •              | •             | •             |
| <b>AUDI</b>  |       |                         |                      |         |         |         |                  |                |               |               |
| AUDI CABRIO 1.9TDi                                 | 95-96 | 1Z                      | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI CABRIO 1.9TDi                                 | 96-01 | AHU                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI 100 2.4D & AVANT                              | 89-94 | 3D, AAS                 | 1                    | •       |         |         |                  |                | •             | •             |
| AUDI 100 2.5D & AVANT                              | 91-94 | AAT, ABP, 1T            | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI 80 1.9TD                                      | 91-94 | AAZ                     | 1                    | •       |         |         |                  |                | •             | •             |
| AUDI 80 1.9TDi AVANT & CABRIO                      | 91-96 | 1Z                      | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI 80 1.9TDi, CABRIO                             | 96-   | AHU                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A2 1.2TDi                                     | 00-   | ANY                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A2 1.4TDi, PD                                 | 00-   | AMF                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A3 1.9TDi                                     | 96-   | AHU, AGR, AHF, AJM, ALH | 40                   | •       |         |         |                  | •              | •             | •             |
| AUDI A3 1.9TDi                                     | 00-   | ASZ, ATD                | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9D                                       | 96-97 | AFF, AHH                | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi                                     | 94-   | 1Z, AFN                 | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi                                     | 98-   | AJM                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi                                     | 01-   | AVF                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi                                     | 96-97 | AHU                     | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi                                     | 97-   | AHU, AFF, AJM, ATJ      | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi AVANT                               | 97-   | AHH, AHU, 1Z, AFN, AJM  | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 1.9TDi AVANT, QUATTRO                      | 96-   | AFN, AJM                | 40                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 2.5TDi & AVANT V6                          | 97-00 | AFB, AKN                | 44                   | •       |         |         |                  |                | •             | •             |
| AUDI A4 2.5TDi & AVANT V6                          | 00-   | AKE, AVL                | 44                   | •       |         |         |                  |                | •             | •             |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| Application Listing by Vehicle – Glowplug Adaptors |       |                           | GP Adaptor Sets      |         |         |         | Compression Kits |                |               |               |
|--|-------|---------------------------|----------------------|---------|---------|---------|------------------|----------------|---------------|---------------|
| VEHICLE  | YEAR  | ENGINE                    | Glowplug Adaptor No. | VS20451 | VS20452 | VS20453 | VS20454          | VS2042 POPULAR | VS2043 DELUXE | VS2044 MASTER |
| <b>CITROEN continued</b>                           |       |                           |                      |         |         |         |                  |                |               |               |
| CITROEN C3 1.4Hdi                                  | 03-   | DV4TD                     | 60                   |         | •       |         |                  |                | •             | •             |
| CITROEN C5 2.0Hdi                                  | 01-   | DW10TD, DW10TED           | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN C5 2.2Hdi                                  | 01-   | DW12TED4                  | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN DISPATCH 1.9D                              | 94-98 | XUD9AU                    | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN DISPATCH 1.9D                              | 98-   | DW8                       | 40                   | •       |         |         |                  |                | •             | •             |
| CITROEN DISPATCH 1.9D, TD                          | 98-   | XUD9AU, XUD9TF            | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN DISPATCH 2.0Hdi                            | 98-   | DW10                      | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN DISPATCH 2.4D                              | 94-98 | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN DISPATCH 2.4TD                             | 94-96 | DJ5T                      | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN DISPATCH 2.5DTi                            | 96-   | DJ5TED                    | 43                   |         | •       |         |                  |                | •             | •             |
| CITROEN EVASION 1.9TD                              | 94-   | XUD9TF, XUD9BTF           | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN EVASION 2.0Hdi                             | 99-   | DW10ATED                  | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN EVASION 2.0TD                              | 96-   | DXH                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN EVASION 2.1TD                              | 96-   | XUD118TE                  | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 1.9D                                | 98-   | XUD9, XUD9AU              | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 1.9D                                | 94-98 | XUD9, XUD9AU              | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 1.9TD                               | 98-   | XUD9TE, XUD9TF            | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 1.9TD                               | 94-98 | XUD9TF (DXH, D8C)         | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 2.0Hdi                              | 98-   | DW10, DW10TD              | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN JUMPER 2.4D                                | 94-98 | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 2.4TD                               | 98-   | DJ5, DJ5T                 | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 2.4TD                               | 94-96 | DJ5T                      | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPER 2.5DTi                              | 96-   | DJ5TED                    | 43                   |         | •       |         |                  |                | •             | •             |
| CITROEN JUMPER 2.8DTi                              | 00-   |                           | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPY 1.9D                                 | 95-   | XUD9A (D9B)               | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPY 1.9TD                                | 95-   | DXH, D8B                  | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPY 2.0Hdi                               | 98-   | DW10ATED, BTED, TED4      | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN JUMPY 2.5D                                 | 94-   | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN JUMPY 2.5TD                                | 94-   | DJ5T                      | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.8D                                 | 98-   | DW8                       | 40                   | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.8TD                                | 98-   | DW8TD                     | 40                   | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.9D                                 | 95-   | XUD9A                     | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.9D                                 | 98-   | DW8                       | 40                   | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.9TD                                | 98-   | XUD9TF                    | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 1.9TD                                | 95-98 | XUD9TF                    | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 2.0Hdi                               | 00-   | DW10                      | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN RELAY 2.4D                                 | 98-   | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 2.4D                                 | 94-98 | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 2.4TD                                | 94-96 | DJ5T                      | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 2.5D                                 | 94-   | DJ5                       | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN RELAY 2.5DTi                               | 96-   | DJ5TED                    | 43                   | •       |         |         |                  |                | •             | •             |
| CITROEN SAXO 1.5D                                  | 96-   | TUD5, TUD5B, TUD5L, TUD5Y | 40                   | •       |         |         |                  |                | •             | •             |
| CITROEN SYNERGIE 1.9TD                             | 98-   | XUD9TF, XUD9BTF           | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN SYNERGIE 1.9TD                             | 94-98 | XUD9TF, XUD9BTF           | 1                    | •       |         |         |                  |                | •             | •             |
| CITROEN SYNERGIE 2.0Hdi                            | 01-   | DW10                      | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN SYNERGIE 2.0Hdi                            | 99-   | DW10ATED                  | 45                   |         | •       |         |                  |                | •             | •             |
| CITROEN SYNERGIE 2.1TD                             | 98-   | XUD118TE                  | 1                    | •       |         |         |                  |                | •             | •             |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                      | YEAR  | ENGINE                | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|------------------------------|-------|-----------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                              |       |                       |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <b>CITROEN continued</b>     |       |                       |                      |                 |         |         |         |                  |               |               |  |
| CITROEN SYNERGIE 2.1TD       | 96-98 | XUD11BTE              | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 1.9D          | 93-96 | XUD9A, XUD9L          | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 1.9D, TD      | 98-   | XUD9SD                | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 1.9TD         | 98-   | XUD9BTF               | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 1.9TD         | 93-98 | XUD9BTF               | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 2.0Hdi        | 98-   | DW10TD, DW10ATED      | 45                   |                 | •       |         |         | •                | •             | •             |  |
| CITROEN XANTIA 2.1TD         | 98-   | XUD11BTE              | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XANTIA 2.1TD         | 95-98 | XUD11BTE              | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XM 2.1D              | 89-95 | XUD11A, XUD11L        | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XM 2.1TD             | 98-   | XUD11ATE, BTE         | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XM 2.1TD             | 89-98 | XUD11ATE, L, BTE      | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XM 2.5TD             | 98-   | DK5ATE                | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XM 2.5TD             | 94-98 | DK5ATE                | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.4Hdi         | 03-   | DV4                   | 60                   |                 | •       |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.5D           | 97-   | TUD5                  | 40                   | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.8D           | 98-   | XUD7                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.9D           | 98-   | XUD9A                 | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.9D           | 97-98 | XUD9A                 | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.9D           | 98-   | DW8, DW8B             | 40                   | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.9TD          | 98-   | XUD9TE, XUD9BSD       | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 1.9TD          | 97-98 | XUD9TE, XUD9TEY       | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN XSARA 2.0Hdi         | 99-   | DW10, DW10TD/TED      | 45                   |                 | •       |         |         | •                | •             | •             |  |
| CITROEN XSARA PICASSO 2.0Hdi | 99-   | DW10TD                | 45                   |                 | •       |         |         | •                | •             | •             |  |
| CITROEN ZX 1.4D              | 94-97 | TUD3Y (K9Y)           | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.5D              | 94-98 | TUD5                  | 40                   | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.8D              | 91-97 | XUD7 (TO 6778)        | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.8D              | 91-97 | XUD7 (FROM 6779)      | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.9D              | 91-97 | XUD9A, XUD9L          | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.9TD             | 98-   | XUD9T, XUD9L          | 1                    | •               |         |         |         | •                | •             | •             |  |
| CITROEN ZX 1.9TD             | 92-98 | XUD9T, XUD9L          | 1                    | •               |         |         |         | •                | •             | •             |  |
| <b>DAEWOO</b>                |       |                       |                      |                 |         |         |         |                  |               |               |  |
| DAEWOO KORANDO 2.3D, TD      | 98-   | OM601.990             | 1                    | •               |         |         |         | •                | •             | •             |  |
| DAEWOO KORANDO 2.9D, TD      | 99-   | OM662, OM601.910      | 1                    | •               |         |         |         | •                | •             | •             |  |
| DAEWOO KORANDO 2.9TD         | 96-   | OM662.D29             |                      |                 |         |         |         |                  |               |               |  |
| INT/COOLER                   |       |                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| DAEWOO MUSSO 2.3D, TDI       | 99-   | OM661LA, OM601.910    | 1                    | •               |         |         |         | •                | •             | •             |  |
| DAEWOO MUSSO 2.9D, TD        | 99-   | OM622LA               | 1                    | •               |         |         |         | •                | •             | •             |  |
| DAEWOO MUSSO 2.9TD           | 97-   | OM662.D29             |                      |                 |         |         |         |                  |               |               |  |
| INT/COOLER                   |       |                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| <b>FIAT</b>                  |       |                       |                      |                 |         |         |         |                  |               |               |  |
| FIAT BRAVA/BRAVO 1.9D        | 95-96 | 160A7000              | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT BRAVA/BRAVO 1.9JTD      | 98-99 | 182B4000 (TO 1716459) | 42                   |                 | •       |         |         | •                | •             | •             |  |
| FIAT BRAVA/BRAVO 2.0TD       | 95-96 |                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT BRAVA/BRAVO 1.9JTD      | 00-   | 182B9000 (1716460 ON) | 42                   |                 | •       |         |         | •                | •             | •             |  |
| FIAT BRAVA/BRAVO 1.9JTD      | 99-   | 182B4000 (1716460 ON) | 42                   |                 | •       |         |         | •                | •             | •             |  |
| FIAT BRAVA/BRAVO 1.9JTD      | 99-   | AR32302               | 42                   |                 | •       |         |         | •                | •             | •             |  |
| FIAT CROMA 2.5D              | 90-97 | 8144.67               | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT DOBLO 1.9JTD            | 01-   |                       | 42                   |                 | •       |         |         | •                | •             | •             |  |

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| VEHICLE                          | YEAR  | ENGINE                       | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|----------------------------------|-------|------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                                  |       |                              |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <b>FIAT continued</b>            |       |                              |                      |                 |         |         |         |                  |               |               |  |
| FIAT SCUDO 2.0JTD                | 00-   | DW10ATED4, DW8TED            | 45                   |                 | •       |         |         |                  | •             | •             |  |
| FIAT SCUDO 2.0JTD                | 99-   | DW10ATED (RHZ)               | 45                   |                 | •       |         |         |                  | •             | •             |  |
| FIAT STILO 1.9JTD                | 01-   |                              | 42                   |                 | •       |         |         |                  | •             | •             |  |
| FIAT STRADA 1.7TDS               | 99-   | 176A3000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT TEMPRA 1.9D, TD             | 90-96 | 160A7000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT TEMPRA 1.9TD                | 90-96 | 160A6000, 160A6046, 160B6046 |                      |                 |         |         |         |                  |               |               |  |
| FIAT TEMPRA 1.9TD                | 93-96 | 160D1000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT TIPO 1.7D                   | 88-95 | 149B4000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT TIPO 1.9TD                  | 93-95 | 160D1000, 160A6000           | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT ULYSSE 1.9TD                | 94-   | XUD9TU                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT ULYSSE 2.0D                 | 00-   | DW10ATED4                    | 45                   |                 | •       |         |         |                  | •             | •             |  |
| FIAT ULYSSE 2.0JTD               | 99-   | DW10ATED                     | 45                   |                 | •       |         |         |                  | •             | •             |  |
| FIAT ULYSSE 2.1TD                | 96-99 | P8C, XUD11ATE                | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT UNO 1.7D                    | 89-94 | 146B2000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FIAT UNO MONDO 1.7D              | 96-99 | 146B2000                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| <b>FORD</b>                      |       |                              |                      |                 |         |         |         |                  |               |               |  |
| FORD COURIER 1.8D                | 91-   | RTC, RTD                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD ECOVAN 2.0D                 | 85-92 | RF, R2                       | 24                   |                 |         |         | •       |                  | •             | •             |  |
| FORD ESCORT (MK5 ON) 1.8D/TD     | 95-   | D18TC/TI, RFK, RVA,          | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD ESCORT (MK5 ON) 1.8D, TD    | 88-96 | RTF, RTH, RFD, D18TI, D18TC  |                      |                 |         |         |         |                  |               |               |  |
| FORD ESCORT VAN 1.8D, 1.8TD      | 88-96 |                              | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD ESCORT VAN 1.8TDi           | 96-   | D18TDi, RFK                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD FIESTA (MK4 ON) 1.8D, 1.8TD | 95-   | D18NA, RTK, RTJ              | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD FIESTA 1.4 DURATORQ         |       | DV4TD                        | 60                   |                 | •       |         |         | •                | •             | •             |  |
| FORD FIESTA MK3 1.8D, 1.8TD      | 89-95 | RTC, RTD                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD FIESTA MK4 1.8Di            | 98-   | RTP (ENDURA)                 | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD FIESTA MK4 1.8Di            | 00-   | RTP ENDURA                   | 41                   | •               |         |         |         | •                | •             | •             |  |
| FORD FOCUS 1.8Di                 | 99-   | BHDA, BHDB                   | 41                   | •               |         |         |         | •                | •             | •             |  |
| FORD FOCUS 1.8TDi                | 98-   | C9D ENDURA                   | 41                   | •               |         |         |         | •                | •             | •             |  |
| FORD FUSION 1.4TDCi              | 03-   | DV4TD                        | 60                   |                 | •       |         |         | •                | •             | •             |  |
| FORD FOCUS C-MAX 1.6TDCi         | 03-   | DV6TED4                      | 60                   |                 | •       |         |         | •                | •             | •             |  |
| FORD GALAXY 1.9TD                | 95-   | 1Z, ANU, AHU                 | 40                   | •               |         |         |         | •                | •             | •             |  |
| FORD GALAXY 1.9TDi               | 95-   | AFN, ANU                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| FORD GALAXY 1.9TDi               | 00-   | AJM                          | 40                   | •               |         |         |         | •                | •             | •             |  |
| FORD GRANADA 2.5D                | 85-95 | STP                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD MAVERICK 2.7TD              | 93-96 | TD27T                        | 24                   |                 |         |         | •       |                  | •             | •             |  |
| FORD MAVERICK 2.7TD              | 96-   | TD27E                        | 24                   |                 |         |         | •       |                  | •             | •             |  |
| FORD MONDEO 1.8D, 1.8TD          | 93-96 | RFN, RFM                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD MONDEO 1.8TDi               | 96-   | D18TI                        | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD MONDEO 2.0TDCi              | 00-   | D5BA, D6BA                   | 46                   |                 | •       |         |         | •                | •             | •             |  |
| FORD MONDEO 2.0TDCi              | 00-   | HJBA, HJBB, FMBA             | 46                   |                 | •       |         |         | •                | •             | •             |  |
| FORD RANGER 2.5D, TD             | 99-   |                              | 24                   |                 |         |         | •       |                  | •             | •             |  |
| FORD SCORPIO 2.5D                | 85-94 | STR                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD SCORPIO 2.5TD               | 93-94 | E2D30, VM 492 SLIRF          | 1                    | •               |         |         |         | •                | •             | •             |  |
| FORD SCORPIO 2.5TD               | 95-98 | SCC, SCD (VM25-TCI)          | 40                   |                 | •       |         |         | •                | •             | •             |  |
| FORD TRANSIT 2.0TDi              | 00-   | D3FA, ABFA, F3FA, F1FA       | 46                   |                 | •       |         |         | •                | •             | •             |  |



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| VEHICLE                         | YEAR  | ENGINE                       | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|---------------------------------|-------|------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                                 |       |                              |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <i>FIAT continued</i>           |       |                              |                      |                 |         |         |         |                  |               |               |
| FIAT DUCATO 1.9D                | 88-94 | 230A2000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 1.9D                | 94-   | DJY (230A)                   | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 1.9TD               | 94-   | 230A3000, 230A4000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.0D                | 87-94 | 149B1000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5D                | 86-94 | 8144.61, 8144.67             | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5TD 4x4           | 90-94 | 8140.27                      | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 1.9TD               | 90-94 | 280A1000, 230A3000, 230A4000 | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 1.9TD               | 98-   | DHX                          | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5D & 4x4          | 86-94 | 8144.67.220                  | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5TD               | 94-   | 8140.47.2280                 | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5TD & 4x4         | 89-94 | 8144.21.220                  | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5TDI              | 94-   | 8140.47.2200                 | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5D (&4WD)         | 94-98 | 8140.67                      | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5D MAXI           | 90-94 | 8144.67                      | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.5TD MAXI          | 90-94 | 8140.27                      | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.4D                | 86-94 |                              | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT DUCATO 2.4TD (2.5TD & 4WD) | 86-94 | 8144.21.220                  | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT FIORINO 1.5D               | 93-   |                              | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT FIORINO 1.7D               | 92-   | 146B2000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT FIORINO 1.7TDS             | 97-   | 146D7000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MAREA 1.9JTD               | 99-   | 182B4000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT MAREA 1.9JTD               | 00-   | 186A6000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT MAREA 1.9TD                | 96-99 | 182A7000, 182A8000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MAREA 2.4JTD               | 99-   | 185A6000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT MAREA 2.4TD                | 96-99 | 185A2000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MARENGO 1.9D               | 90-96 | 160A7000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MARENGO 1.9JTD             | 99-   | 182B4000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT MARENGO 1.9TD              | 90-96 | 160A6000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MARENGO 1.9TD              | 97-00 | 182A7000, 182A8000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT MULTIPLA 1.9JTD            | 99-   | 182B4000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT MULTIPLA 1.9JTD            | 00-   | 186A6000                     | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT PALIO 1.7D                 | 97-   | 176B3000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PALIO 1.9JTD               | 01-   |                              | 42                   | •               | •       |         |         | •                | •             | •             |
| FIAT PALIO WEEKEND 70 1.7TD     | 97-   | 176A3000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO 1.7D                 | 93-   | 176A3000, 176B3000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO 1.7TD                | 93-99 | 176TD, 1697TT                | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO 1.7TD                | 93-96 | 176A3000, 176B3000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO 1.7TD                | 96-   | 176A5000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO II 1.9Di             | 99-   | 188A3000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO II 1.9JTD            | 99-   | 188A2000                     | 42                   | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO VAN 1.7D             | 94-96 | 176A3000, 176B3000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO VAN 1.7TDS           | 94-96 | 176A5000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO VAN 1.7TDS           | 97-   | 176A3000, 176B3000           | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT PUNTO VAN 1.9Di            | 99-   | 188A3000                     | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT SCUDO 1.8D                 | 98-   | DW8, DW8B                    | 40                   | •               |         |         |         | •                | •             | •             |
| FIAT SCUDO 1.8TD                | 98-   | DW8TD                        | 40                   | •               |         |         |         | •                | •             | •             |
| FIAT SCUDO 1.9D                 | 95-98 | D9B                          | 1                    | •               |         |         |         | •                | •             | •             |
| FIAT SCUDO 1.9TD                | 95-98 | DHX, D8B                     | 1                    | •               |         |         |         | •                | •             | •             |

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| VEHICLE                      | YEAR  | ENGINE                       | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|------------------------------|-------|------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                              |       |                              |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <i>FORD continued</i>        |       |                              |                      |                 |         |         |         |                  |               |               |
| FORD TRANSIT 2.4TDi, Di      | 00-   | F4FA, D2FA, D4FA, DOFA       | 46                   |                 | •       |         |         |                  | •             | •             |
| <i>HONDA</i>                 |       |                              |                      |                 |         |         |         |                  |               |               |
| HONDA ACCORD 2.0TDi          | 96-98 | 20TN2 L SERIES               | 40                   | •               |         |         |         |                  | •             | •             |
| HONDA CIVIC 2.0D             | 96-   | 20TN2 L SERIES               | 40                   | •               |         |         |         |                  | •             | •             |
| HONDA CIVIC AERODECK 2.0TDi  | 98-   | 20TN2 L SERIES               | 40                   | •               |         |         |         |                  | •             | •             |
| HONDA CONCERTO 1.8TD         | 94-96 | XUD7T                        | 1                    | •               |         |         |         |                  | •             | •             |
| <i>HYUNDAI</i>               |       |                              |                      |                 |         |         |         |                  |               |               |
| HYUNDAI PORTER (H100) 2.5D   | 93-   | 4D56, D4BX, D4BA, D4BB, D4BF | 24                   |                 |         |         | •       |                  |               | •             |
| HYUNDAI SATELLITE 2.5TD (H1) | 97-   | D4BF                         | 24                   |                 |         |         | •       |                  |               | •             |
| HYUNDAI STAREX 2.5D (H1)     | 97-   | D4BB                         | 24                   |                 |         |         | •       |                  |               | •             |
| HYUNDAI STAREX 2.5TD (H1)    | 97-   | D4BF                         | 24                   |                 |         |         | •       |                  |               | •             |
| <i>ISUZU</i>                 |       |                              |                      |                 |         |         |         |                  |               |               |
| ISUZU GEMINI 1.5D            | 88-93 | 4EC1                         | 25                   |                 |         | •       |         |                  | •             | •             |
| ISUZU GEMINI 1.5TD           | 88-93 | T4EC1                        | 25                   |                 |         | •       |         |                  | •             | •             |
| ISUZU PICKUP 2.0D            | 83-93 | C190                         | 25                   |                 |         | •       |         |                  | •             | •             |
| ISUZU RODEO 3.1TD            | 91-   |                              | 25                   |                 |         | •       |         |                  | •             | •             |
| ISUZU TROOPER 3.1TD          | 91-   |                              | 25                   |                 |         | •       |         |                  | •             | •             |
| <i>JEEP</i>                  |       |                              |                      |                 |         |         |         |                  |               |               |
| JEEP CHEROKEE 2.1TD          | 87-95 | J8S814                       | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP CHEROKEE 2.1TD          | 88-95 | J8S890                       | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP CHEROKEE 2.5TD          | 94-   | VM HR425                     | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP CHEROKEE 2.5TD          | 94-   | VM HR425 CLIRX               | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP COMMANCHE 2.1TD         | 88-98 | J8S814                       | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP GRAND CHEROKEE 2.5TD    | 93-99 | VM                           | 40                   | •               |         |         |         |                  | •             | •             |
| JEEP GRAND CHEROKEE 3.1TD    | 99-   |                              | 40                   | •               |         |         |         |                  | •             | •             |
| JEEP WAGONEER 2.1TD          | 88-94 | J8S814                       | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP WRANGLER 2.1TD          | 88-   |                              | 1                    | •               |         |         |         |                  | •             | •             |
| JEEP WRANGLER 2.5TD          | 88-   | VM                           | 1                    | •               |         |         |         |                  | •             | •             |
| <i>KIA</i>                   |       |                              |                      |                 |         |         |         |                  |               |               |
| KIA BESTA 2.2D 2WD           | 92-02 | HW SOHC                      | 24                   |                 |         |         | •       |                  |               | •             |
| KIA BESTA 2.7D 2WD           | 90-99 | VN OHV                       | 24                   |                 |         |         | •       |                  |               | •             |
| KIA NITRAMA 2.7D             | 96-   | JZ                           | 24                   |                 |         |         | •       |                  |               | •             |
| KIA PREGIO 2.7D              | 96-   | JZ                           | 24                   |                 |         |         | •       |                  |               | •             |
| KIA SPORTAGE 2.0TDi          | 96-   | RF                           | 24                   |                 |         |         | •       |                  |               | •             |
| <i>LADA</i>                  |       |                              |                      |                 |         |         |         |                  |               |               |
| LADA COSSACK 1.9D 2121       | 94-   | XUD9L                        | 1                    | •               |         |         |         |                  | •             | •             |
| LADA HUSSAR 1.9D 2121        | 94-   | XUD9L                        | 1                    | •               |         |         |         |                  | •             | •             |
| LADA NIVA 1.9D 2121          | 94-   | XUD9L                        | 1                    | •               |         |         |         |                  | •             | •             |
| LADA SAMARA 1.5D (2109)      | 96-   | TUD5L                        | 40                   | •               |         |         |         |                  | •             | •             |
| <i>LANCIA</i>                |       |                              |                      |                 |         |         |         |                  |               |               |
| LANCIA DEDRA 1.9TD           | 89-94 | 835A4000                     | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA DEDRA 1.9TD           | 94-99 | 160D1000                     | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA DEDRA 1.9TDS          | 93-   | 160D1000                     | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA DELTA 1.9TD HPE       | 96-99 |                              | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA DELTA 1.9TDS          | 93-96 | 835A4000                     | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA DELTA 1.9TDS          | 93-99 | 160D1000                     | 1                    | •               |         |         |         |                  | •             | •             |
| LANCIA KAPPA 2.4JTD          | 99-00 | 838A8000                     | 42                   |                 | •       |         |         |                  | •             | •             |

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| VEHICLE                          | YEAR  | ENGINE                         | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|----------------------------------|-------|--------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                                  |       |                                |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2053 DELUXE | VS2054 MASTER |
| <b>LANCIA continued</b>          |       |                                |                      |                 |         |         |         |                  |               |               |
| LANCIA KAPPA 2.4JTD              | 97-99 | 838A8000, AR34202              | 42                   | •               | •       |         |         | •                | •             | •             |
| LANCIA KAPPA 2.4TD               | 95-96 | 838A3000                       | 1                    | •               |         |         |         | •                | •             | •             |
| LANCIA KAPPA 2.4TD               | 96-98 | 838A7000                       | 1                    | •               |         |         |         | •                | •             | •             |
| LANCIA LYBRA 1.9JTD              | 99-   | AR32302, AR37101               | 42                   | •               | •       |         |         | •                | •             | •             |
| LANCIA LYBRA 1.9JTD              | 98-   | 932                            | 42                   | •               | •       |         |         | •                | •             | •             |
| LANCIA LYBRA 2.4JTD              | 99-   | 932                            | 42                   | •               | •       |         |         | •                | •             | •             |
| LANCIA LYBRA 2.4JTD              | 99-   | 839A5000, 839A6000             | 42                   | •               | •       |         |         | •                | •             | •             |
| LANCIA THEMA 2.4TD               | 93-94 | 8144                           | 1                    | •               |         |         |         | •                | •             | •             |
| LANCIA THEMA 2.5TD               | 88-94 | 8144.97, Y EDC BOSCH           | 1                    | •               |         |         |         | •                | •             | •             |
| <b>LAND ROVER</b>                |       |                                |                      |                 |         |         |         |                  |               |               |
| LAND ROVER DEFENDER 2.5D         | 90-   |                                | 1                    | •               |         |         |         | •                | •             | •             |
| LAND ROVER DEFENDER 2.5TDi (130) | 90-   | GEMINI TCI 23L, 11L            | 43                   | •               |         |         |         | •                | •             | •             |
| LAND ROVER DISCOVERY 2.5TDi      | 89-94 | GEMINI 12L, 21L                | 43                   | •               |         |         |         | •                | •             | •             |
| LAND ROVER DISCOVERY 2.5TDi      | 93-99 | GEMINI 19L                     | 43                   | •               |         |         |         | •                | •             | •             |
| LAND ROVER FREELANDER 2.0TDi     | 97-00 | 20TCI-E                        | 40                   | •               |         |         |         | •                | •             | •             |
| LANDROVER FREELANDER 2.0TDi      | 00-   | M47R (BMW ENGINE)              | 40                   | •               |         |         |         | •                | •             | •             |
| <b>LDV</b>                       |       |                                |                      |                 |         |         |         |                  |               |               |
| LDV 200 1.9D                     | 94-96 | XUD9                           | 1                    | •               |         |         |         | •                | •             | •             |
| LDV 200 2.0D                     | 89-96 | O SERIES                       | 1                    | •               |         |         |         | •                | •             | •             |
| LDV 400 2.5D                     | 89-96 | PEUGEOT                        | 1                    | •               |         |         |         | •                | •             | •             |
| LDV 400 2.5D                     | 83-96 | PERKINS                        | 1                    | •               |         |         |         | •                | •             | •             |
| LDV 400 2.5TD                    | 89-96 | PEUGEOT                        | 1                    | •               |         |         |         | •                | •             | •             |
| LDV CUB 2.3D                     | 98-   | LD23                           | 24                   |                 |         |         | •       | •                | •             | •             |
| LDV PILOT 1.9D                   | 96-   | XUD9A                          | 1                    | •               |         |         |         | •                | •             | •             |
| <b>MAZDA</b>                     |       |                                |                      |                 |         |         |         |                  |               |               |
| MAZDA 121 1.8D                   | 96-   | RTJ                            | 1                    | •               |         |         |         | •                | •             | •             |
| MAZDA 323 1.7D                   | 89-96 | 12 VOLT                        | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA 323 1.7D                   | 91-94 | PN2, 26, 54, 62                | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA 323 2.0D                   | 97-98 | RF1G                           | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA 626 2.0D                   | 92-95 | RF                             | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA 626 2.0D                   | 92-97 | RFH7                           | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA 626 2.0D                   | 92-97 | RFH5                           | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA B2200 2.2D                 | 84-96 | F2, R2, S2                     | 24                   |                 |         |         | •       | •                | •             | •             |
| MAZDA E2200 2.2D, 4WD            | 84-96 | F2, R2, R281, R284, R293, R296 | 24                   |                 |         |         | •       | •                | •             | •             |
| <b>MERCEDES-BENZ</b>             |       |                                |                      |                 |         |         |         |                  |               |               |
| MERCEDES 200 2.0CDi              | 98-   | OM611.961                      | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES 208 2.3D                | 91-95 | OM601.940                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 210 2.9D                | 88-95 | OM602.940                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 220 2.2CDi              | 98-   | OM611.961                      | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES 290 2.9D GD             | 93-96 | OM602.946                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 290 2.9TD GD            | 92-96 | OM602.942                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 290 2.9TDi GD           | 96-   | OM602.983                      | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES 308 2.3D                | 91-95 | OM601.940                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 310 2.9D                | 88-95 | OM602.940                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 350 3.4TD GD            | 93-96 | OM603.972                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 350 3.5TD GD            | 91-96 | OM603.972                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 408 2.3D                | 88-94 | OM601.940                      | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES 508 2.3D                | 89-96 | OM601.941                      | 1                    | •               |         |         |         | •                | •             | •             |

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| VEHICLE  | YEAR  | ENGINE               | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|--|-------|----------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|  |       |                      |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <b>MERCEDES continued</b>                          |       |                      |                      |                 |         |         |         |                  |               |               |
| MERCEDES ML270 2.7CDi                              | 99-   | OM612.960            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES ML400 4.0CDi                              | 01-   | OM628                | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES S300 3.0TD                                | 96-   | OM606.961            | 3                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES S320 CDI                                  | 99-   | OM613.960            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES S350 3.5TD                                | 93-95 | OM603.971            | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES S350 3.5TD                                | 95-96 | OM603.971            | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES S400 4.0CDi                               | 00-   | OM628.960            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER 2.2CDi                           | 03-   | OM611.960            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER 2.3D 208, 308, 408               | 94-   | OM601.943            |                      | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER 2.9D 212                         | 95-   | OM602.986            | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES SPRINTER 2.9TD 312, 412                   | 95-   | OM602.980            |                      |                 | •       |         |         | •                | •             | •             |
| MERCEDES SPRINTER 210, 310, 410D                   | 97-00 | OM602.986            | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES SPRINTER CDI 208, 308, 408                | 00-   | OM611.987            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER CDI 211, 213, 311, 313, 411, 413 | 00-   | OM611.981            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER CDI 216, 316, 416, 616           | 00-   | OM612.981            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES SPRINTER 2.7CDi                           | 00-   | OM612.               | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES UNIMOG U100                               | 92-   | OM602.941, OM602.948 | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES UNIMOG U100                               | 96-   | OM602.981            | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES UNIMOG U90                                | 92-   | OM602.941            | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES UNIMOG U90                                | 96-   | OM602.981            | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES V200 CDI                                  | 99-   | OM611.980            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES V220 CDI                                  | 99-   | OM611.980            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES V230 2.3TD                                | 96-99 | OM601.970            | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES Vaneo 1.7CDi                              | 02-   | OM688                | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES VARIO 2.9TD 512, 612, 812                 | 96-   | OM602.984, OM602.985 | 2                    |                 | •       |         |         | •                | •             | •             |
| MERCEDES VITO 2.2CDi 108, 110, 112                 | 99-   | OM611.980            | 43                   | •               |         |         |         | •                | •             | •             |
| MERCEDES VITO 2.3TD 110                            | 96-98 | OM601.970            | 1                    | •               |         |         |         | •                | •             | •             |
| MERCEDES VITO 2.3D 108                             | 95-   | OM601.942            | 1                    | •               |         |         |         | •                | •             | •             |
| <b>MITSUBISHI</b>                                  |       |                      |                      |                 |         |         |         |                  |               |               |
| MITSUBISHI CHALLENGER 2.5D                         | 98-   | 4D56T                | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI GALANT 2.0TDi                           | 92-97 | 4D68                 | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI SPACEWAGON 1.8D/TD                      | 83-98 | 4D65                 | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI CANTER 2.5D                             | 86-96 | 4D56                 | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI CHARISMA 1.9TD                          | 96-   | F8QT                 | 1                    | •               |         |         |         | •                | •             | •             |
| MITSUBISHI GALANT 1.8D, TD                         | 88-92 | 4D65                 | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI GALANT 2.0TD                            | 96-   | 4D68                 | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI L200 2.5D                               | 94-96 | 4D56 SOHC            | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI L200 2.5D                               | 93-94 | 4D56 SOHC            | 24                   |                 |         |         | •       | •                | •             | •             |
| MITSUBISHI L200 2.5TD                              | 92-   | 4D56                 | 24                   |                 |         |         | •       | •                | •             | •             |

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| VEHICLE                     | YEAR  | ENGINE                                | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|-----------------------------|-------|---------------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                             |       |                                       |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>MERCEDES continued</i>   |       |                                       |                      |                 |         |         |         |                  |               |               |  |
| MERCEDES 511 4.0D           | 95-   | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES 611 4.0D           | 95-96 | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES 711 4.0D           | 95-96 | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES 714 4.3D           | 95-96 | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES 811 4.0D           | 95-96 | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES 814 4.0D           | 95-   | OM364 LA                              | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES A160 1.7CDi        | 98-   | OM688.940                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES C200 2.0D          | 96-   | OM604.915                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES C200 2.0D          | 93-95 | OM601.913                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES C200 2.1CDi        | 00-   | OM611.962                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES C200 2.2D          | 98-   | OM611.962                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES C200 2.2TD         | 98-   | OM611.960                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES C220 2.2D          | 93-98 | OM604.910                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES C250 2.5D          | 93-95 | OM605.910                             | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES C250 2.5D          | 94-95 | OM605.910                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES C250 2.5TD KOMBI   | 96-00 | OM605.960                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES C270 2.7CDi        | 00-   | OM612.962                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E200 2.0D          | 82-95 | OM601.913                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES E200 2.0D          | 93-95 | OM601.912                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES E200 2.0D          | 95-   | OM604.917                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E200 2.1DCDi       | 95-   | OM611.961                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E220 2.2D          | 95-98 | OM604.912                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E220 2.2TD KOMBI   | 98-   | OM611.961                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E250 2.5CDi        | 97-   | OM605.962                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E250 2.5D          | 93-   | OM605.911                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E250 2.5TD         | 92-95 | OM602.962                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES E250 2.5TD         | 95-97 | OM605.912                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E270 2.7CDi        | 99-   | OM612.960                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E270 2.7CDi        | 02-   | OM646.961                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E290 2.9CDi        | 96-   | OM602.982                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES E290 2.9TD         | 95-   | OM602.982                             | 2                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E300 3.0D          | 93-97 | OM606                                 | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E300 3.0D          | 95-   | OM606.912                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E300 3.0D TE KOMBI | 92-96 | OM606.910                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E300 3.0TD         | 96-   | OM606.962                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES E320 3.2CDi        | 99-   | OM613.961                             | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES G240 2.5D          | 90-   | OM602                                 | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES G270 2.7CDi        | 99-   | OM612                                 | 43                   | •               |         |         |         |                  |               | •             |  |
| MERCEDES G290 2.9D          | 93-   | OM602.942,<br>OM602.947,<br>OM602.983 | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES G300 3.0D          | 93-   | OM603.931                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES G300 3.0TD         | 96-   | OM606.964                             | 3                    |                 |         | •       |         |                  |               | •             |  |
| MERCEDES G350 3.5TD         | 93-   | OM603.972                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES MB100 2.4D         | 91-95 | OM616.963                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES MB100 2.4D         | 96-   | OM661.911                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES MB140 2.4D         | 88-95 | OM616.963                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES MB180 2.4D         | 88-95 | OM616.963                             | 1                    | •               |         |         |         |                  |               | •             |  |
| MERCEDES MB80 2.4D          | 93-95 | OM616.963                             | 1                    | •               |         |         |         |                  |               | •             |  |

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| VEHICLE                         | YEAR  | ENGINE              | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|---------------------------------|-------|---------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                                 |       |                     |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>MITSUBISHI continued</i>     |       |                     |                      |                 |         |         |         |                  |               |               |  |
| MITSUBISHI L300 2.5D            | 86-96 | 4D56                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI L300 2.5D, TD        | 87-96 | 4D56 SOHC           | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI L400 2.5TD           | 94-   | 4D56                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI LANCER 2.0D          | 88-97 | 4D68                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI PAJERO 2.5TDI/COOL   | 93-98 | 4D56                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI PAJERO 2.5TD I/COOL  | 93-99 | 4D56                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI PAJERO 3.2DTI/COOL   | 00-   | 4M41                | 26                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI SPACEGEAR 2.5TDi 4WD | 94-   | 4D56                |                      |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI SPACERUNNER 2.0TD    | 91-99 | 4D68                | 24                   |                 |         |         |         |                  |               | •             |  |
| MITSUBISHI SPACESTAR 1.9D       | 00-   | F9Q1                | 40                   | •               |         |         |         |                  |               | •             |  |
| MITSUBISHI SPACEWAGON 2.0TD     | 91-98 | 4D68                | 24                   |                 |         |         |         |                  |               | •             |  |
| <b>NISSAN</b>                   |       |                     |                      |                 |         |         |         |                  |               |               |  |
| NISSAN ALMERA 2.0D              | 95-96 | CD20                | 23                   |                 |         |         |         |                  |               | •             |  |
| NISSAN ALMERA 2.2DT             | 00    | YD22T               | 26                   |                 |         |         |         |                  |               | •             |  |
| NISSAN CABSTAR 2.3TD            | 82    | TD23                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN CRABSTAR 2.5TD           | 82-97 |                     | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN CABSTAR 2.7TD            | 82    |                     | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN KING CAB 2.5D            | 93    | TD25                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN KING CAB 2.5TD           | 98    | TD25                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN KING CAB 2.5TDi          | 98    | TD25Ti              | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN MICRA 1.5D               | 98    | TUD5, TUD15         | 43                   | •               |         |         |         |                  |               | •             |  |
| NISSAN MICRA 1.5TD              | 02    | K9K                 | 40                   | •               |         |         |         |                  |               | •             |  |
| NISSAN PATHFINDER 2.7D          | 93    | TD27                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PATHFINDER 2.7TD         | 93    | TD27ET              | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PATROL 2.7TD             | 93    | TD27                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PATROL 2.8D              | 89-97 | RD28                | 1                    | •               |         |         |         |                  |               | •             |  |
| NISSAN PATROL 4.2D              | 93-   | TD42 VIZ            | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PICKUP 2.5D              | 93-98 | TD25                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PICKUP 2.5TD             | 87-98 | TD25                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PRIMERA 2.0D             | 91-96 | CD20                | 23                   |                 |         |         |         |                  |               | •             |  |
| NISSAN PRIMERA 2.2DT            | 00-   | YD22T               | 26                   |                 |         |         |         |                  |               | •             |  |
| NISSAN SERENA 2.0D              | 92-94 | LD20                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN SERENA 2.3D              | 94-   | LD23 OHC            | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN TERRANO II 2.7D          | 93-96 | TD25, TD27          | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN TERRANO II 2.7TD         | 93-96 | TD27T OHV           | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN TRADE 2.3D               | 97-   | LD23                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN TRADE 2.5D               | 97-   | LD23                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN URVAN 2.0D               | 82-94 | (E20,E23,E24) LD20T | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN URVAN 2.5D               | 93-96 | TD25 OHV            | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN URVAN 2.7TD              | 82-   | TD27                | 24                   |                 |         |         |         |                  |               | •             |  |
| NISSAN VANETTE 2.3D             | 94-   | LD23                | 24                   |                 |         |         |         |                  |               | •             |  |
| <b>OPEL</b>                     |       |                     |                      |                 |         |         |         |                  |               |               |  |
| OPEL ARENA 1.9D                 | 98-   | F8Q-606             | 41                   | •               |         |         |         |                  |               | •             |  |
| OPEL ARENA 2.5D                 | 98-   | S8U-758             | 1                    | •               |         |         |         |                  |               | •             |  |
| OPEL ASTRA 1.7D                 | 91-94 | 17D                 | 1                    | •               |         |         |         |                  |               | •             |  |

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| VEHICLE                  | YEAR  | ENGINE          | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|--------------------------|-------|-----------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                          |       |                 |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>OPEL continued</i>    |       |                 |                      |                 |         |         |         |                  |               |               |  |
| OPEL ASTRA 1.7DTL        | 91-98 | X17 DTL         | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 1.7TD         | 94-98 | TC4EC1          | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL ASTRA 1.7TD         | 91-96 | TC4EE1          | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL ASTRA 1.7TD         | 91-98 | 17DT            | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 1.7TD         | 00-   | Y17             | 27                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL ASTRA 1.7TD         | 96-98 | X17 DT (TC4EE1) | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL ASTRA 2.0Di         | 98-   | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 2.0DTH        | 00-   | Y20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 2.0DTI        | 99-00 | Y20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 2.0DTL        | 00-   | Y20DTL          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ASTRA 2.0DTL        | 98-00 | X20DTL          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL CAMPO 2.2D PICK-UP  | 91-97 | 4FD1            | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CAMPO 3.1D PICK-UP  | 97-   | 4JG2            | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CAMPO 3.1TD PICK-UP | 95-97 | 4JG2T           | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL COMBO 1.7D          | 94-   | 17D             | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL COMBO 1.7D          | 96-   | X17D            | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CORSA B 1.5D VAN    | 93-00 | 15D 4EC1        | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CORSA B 1.5TD       | 93-00 | 15TD            | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CORSA B 1.7D        | 93-00 | 17D             | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CORSA B 1.7D        | 96-00 | X17D            | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL CORSA 1.3CDTi       | 04-   |                 | 60                   |                 | •       |         |         | •                | •             | •             |  |
| OPEL FRONTERA A 2.3TD    | 92-95 | DTR OHC         | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL FRONTERA A 2.5TDi   | 96-98 | TDS OHC         | 40                   | •               |         |         |         | •                | •             | •             |  |
| OPEL FRONTERA B 2.0DTi   | 97-00 | X20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL FRONTERA B 2.2DTi   | 97-   | X22DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL FRONTERA B 2.2DTi   | 00-   | Y22DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL MONTEREY 3.0DTi     | 97-   | 30TD (4JX1)     | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL MONTEREY 3.1TD      | 91-   | 4JG2T           | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL MOVANO 1.9DTi       | 99-   | F9Q-770         | 40                   | •               |         |         |         | •                | •             | •             |  |
| OPEL MOVANO 2.5DTi       | 98-   | S8U-772         | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL MOVANO 2.8DTi       | 98-   | S9W             | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA B 2.0Di       | 96-97 | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA B 2.0Di       | 97-   | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA B 2.0DTH      | 97-00 | X20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA B 2.2DTi      | 00-   | Y22DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA B 2.5TD       | 94-   | U25TD (BMW)     | 1                    | •               |         |         |         | •                | •             | •             |  |
| OPEL OMEGA C 2.2DTi      | 00-   | Y22DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL SINTRA 2.2TDi       | 98-   | X22DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL VECTRA A 1.7TD      | 90-95 | TC4EC1          | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL VECTRA B 1.7TD      | 95-   | X17TD (TC4EE1)  | 25                   |                 |         | •       |         | •                | •             | •             |  |
| OPEL VECTRA B 2.0DTH     | 96-00 | X20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL VECTRA 2.0Di        | 96-97 | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL VECTRA 2.0DTL, Di   | 97-00 | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL VECTRA 2.0DTi       | 00-   | Y20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL VECTRA 2.2DTi       | 00-   | Y22DTR          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ZAFIRA 2.0Di        | 99-   | X20DILC         | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ZAFIRA 2.0DTH       | 00-   | Y20DTH          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ZAFIRA 2.0DTL       | 99-00 | X20DTL          | 43                   | •               |         |         |         | •                | •             | •             |  |
| OPEL ZAFIRA 2.2DTi       | 99-   | X22DTL          | 43                   | •               |         |         |         | •                | •             | •             |  |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                  | YEAR  | ENGINE                        | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|--------------------------|-------|-------------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                          |       |                               |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>PEUGEOT continued</i> |       |                               |                      |                 |         |         |         |                  |               |               |  |
| PEUGEOT 806 1.9TD        | 94-98 | XUD9TE                        | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT 806 2.0HDi       | 98-   | DW10TED, 4                    | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT 806 2.1TD        | 98-   | XUD11ATE, BTE                 | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT 806 2.1TD        | 95-98 | XUD11ATE, XUD11BTE            | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT 807 2.0HDi       | 02-   | DW10TED                       | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT 807 2.2HDi       | 02-   | DW12TED4                      | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT BOXER 1.8D       | 98-   | XUD7                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.8D       | 95-98 | XUD7                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.9D       | 98-   | XUD9, XUD9AU                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.9D       | 94-95 | XUD9, DJY, D9B                | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.9D       | 95-98 | XUD9, DJY, D9B                | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.9TD      | 98-   | XUD9TE, XUD9UTF               | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 1.9TD      | 94-98 | XUD9TE, XUD9TFU               | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.0HDi     | 98-   | DW10TD                        | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT BOXER 2.5D       | 98-   | DJ5                           | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.5D       | 94-98 | DJ5                           | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.5DTi     | 98-   | DJ5T                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.5DTi     | 96-   | DJ5TED                        | 43                   | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.5TDi     | 94-98 | DJ5T                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT BOXER 2.8JTD     | 97-   |                               | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 1.8D      | 98-   | DW8                           | 40                   | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 1.9D      | 98-   | XUD9A, XUD9L                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 1.9D      | 95-98 | XUD9A, XUD9L                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 1.9TD     | 98-   | XUD9TE                        | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 1.9TD     | 95-98 | XUD9TE                        | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT EXPERT 2.0HDi    | 99-   | DW10TD, DW10BTED              | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT EXPERT 2.0HDi    | 00-   | DW10ATED (RHX, RHZ)           | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT EXPRESS 1.9D     | 87-94 | XUD9                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT J5 1.9D          | 87-94 | XUD9A                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT J5 2.5D          | 91-94 | CRD93                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT J5 2.5D          | 94-   | DJ5                           | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT J5 2.5TD         | 94-   | DJ5T                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT J5 2.5TD         | 87-94 | CRD93LS                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 1.8D     | 98-   | XUD7                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 1.8D     | 96-98 | XUD7                          | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 1.9D     | 98-   | XUD9A                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 1.9D     | 96-98 | XUD9A, XUD9Y                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 1.9D     | 98-   | DW8, DW8B                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT PARTNER 2.0HDi   | 99-   | DW10TD                        | 45                   |                 | •       |         |         |                  | •             | •             |  |
| PEUGEOT RANCH 1.9D       | 97-98 | XUD9A                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| PEUGEOT RANCH 1.9D       | 98-   | DW8                           | 40                   | •               |         |         |         | •                | •             | •             |  |
| <b>RANGE ROVER</b>       |       |                               |                      |                 |         |         |         |                  |               |               |  |
| RANGE ROVER 2.5 TDS      | 94-   | M51 D25                       | 1                    | •               |         |         |         | •                | •             | •             |  |
| RANGE ROVER 2.5D         | 89-   | GEMINI                        | 43                   | •               |         |         |         | •                | •             | •             |  |
| RANGE ROVER 2.5TD        | 89-94 | VM                            | 1                    | •               |         |         |         | •                | •             | •             |  |
| RANGE ROVER 2.5TDi       | 94-97 | GEMINI 200, 300 Tdi, ETC9091N | 43                   | •               |         |         |         | •                | •             | •             |  |
| RANGE ROVER 3.0TDi       | 02-   | M57 D30                       | 43                   | •               |         |         |         | •                | •             | •             |  |

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| VEHICLE                 | YEAR  | ENGINE                    | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|-------------------------|-------|---------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                         |       |                           |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <b>PEUGEOT</b>          |       |                           |                      |                 |         |         |         |                  |               |               |
| PEUGEOT 106 1.4D, 1.4TD | 92-96 | TUD3 (K9Y)                | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 106 1.5D        | 94-   | TUD5, TUD5B               | 40                   | •               |         |         |         | •                | •             | •             |
| PEUGEOT 205 1.8D        | 83-97 | XUD7, A9A, 161A, R171     | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 205 1.8TD       | 85-97 | XUD7T                     | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 205 1.9D        | 87-94 | 1.9D                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 206 1.4D        | 03-   | DV4TD                     | 60                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 206 1.9D        | 98-   | DW8, DW8B                 | 40                   | •               |         |         |         | •                | •             | •             |
| PEUGEOT 206 2.0HDI      | 99-   | DW10, DW10TD              | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 306 1.8D        | 98-   | XUD7                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.8D        | 98-   | XUD7 (A9A)                | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.8D        | 94-98 | XUD7, A9A                 | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.8D        | 92-95 | XUD9                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9D        | 98-   | XUD9                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9D        | 92-94 | XUD9                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9D        | 94-98 | XUD9                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9D        | 93-01 | XUD9A, XUD9L              | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9D        | 98-01 | DW8, DW8B                 | 40                   | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9TD       | 98-   | XUD9TE                    | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 1.9TD       | 93-98 | XUD9TE                    | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 306 2.0HDI      | 98-01 | DW10, DW10TD              | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 307 1.4HDI      | 03-   | DV4TD                     | 60                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 307 1.6HDI      | 03-   | DV6TED4                   | 60                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 307 2.0HDI      | 01-   | DW10, DW10TD              | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 309 1.5D        | 94-   | TUD5                      | 40                   | •               |         |         |         | •                | •             | •             |
| PEUGEOT 309 1.7D        | 86-93 | XUD7, A9A, 161A           | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 309 1.7TD       | 89-93 | XUD7DT, A8A, A8B          | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 309 1.9D        | 86-93 | XUD9Y, XUD9, DJZ, D9A     | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 405 1.8D        | 88-95 | XUD7, A9A, 161A           | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 405 1.9D        | 93-97 | XUD9                      | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 405 1.9TD       | 92-97 | XUD9TE, XUD9TF            | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 1.9D        | 96-99 | XUD9SD                    | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 1.9TD       | 95-98 | XUD9BTF, XUD9BSD, XUD9BTE | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 1.9TD       | 98-   | XUD9BTF, SD, TE           | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 2.0HDI      | 98-   | DW10, DW10ATED            | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 406 2.0HDI      | 99-   | DW10TD                    | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 406 2.1TD       | 98-99 | XUD11BTE                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 2.1TD       | 95-98 | XUD11BTE                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 406 2.2HDI      | 00-   | DW12TED, DW12TED4         | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 605 2.1TD       | 98-   | XUD11BTE                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 605 2.1TD       | 89-94 | XUD11, A                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 605 2.1TD       | 89-94 | XUD11BTE                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 605 2.1TD       | 89-94 | XUD11ATE                  | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 605 2.5TD       | 98-   | DK5ATE                    | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 605 2.5TD       | 94-98 | DK5ATE                    | 1                    | •               |         |         |         | •                | •             | •             |
| PEUGEOT 607 2.0HDI      | 00-   | DW10ATED                  | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 607 2.2HDI      | 00-   | DW12TED4                  | 45                   |                 | •       |         |         | •                | •             | •             |
| PEUGEOT 806 1.9TD       | 98-   | XUD9TE                    | 1                    | •               |         |         |         | •                | •             | •             |

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| VEHICLE                   | YEAR  | ENGINE                      | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |
|---------------------------|-------|-----------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|
|                           |       |                             |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |
| <b>RENAULT</b>            |       |                             |                      |                 |         |         |         |                  |               |               |
| RENAULT 19 1.9D           | 91-96 | F8Q-706, 742                | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT 19 1.9TD          | 90-96 | F8Q-740, 744                | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT 21 2.1D           | 92-   | J8S-704, 714                | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT 5 1.6D            | 84-94 | F8M-720, 730                | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO 1.9D         | 91-98 | F8Q-672, 676, 678, 692, 696 | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO II 1.5D      | 01-   | K9K-70                      | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO II 1.5DCi    | 01-   | K9K65, K9K80                | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO II 1.9D      | 98-   | F8Q-630, 662                | 41                   | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO II 1.9DTi    | 99-   | F9Q-780                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO VAN 1.9D     | 91-96 | F8Q-732                     | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT CLIO VAN 1.9D     | 90-96 | F8Q-730                     | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT ESPACE II 2.1TD   | 91-96 | J8S                         | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT ESPACE III 1.9DTi | 99-   | F9Q-722, 716, 720           | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT ESPACE III 2.2DCi | 00-   | G9T-710                     | 47                   |                 | •       |         |         | •                | •             | •             |
| RENAULT ESPACE III 2.2TD  | 96-00 | G8T-714, 716                | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT EXPRESS 1.9D      | 91-   | F8Q-684, 722, 724, 774, 776 | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT EXPRESS 1.9D      | 96-   | F8Q-640, 644, 646, 648, 682 | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT EXTRA 1.6D        | 86-94 | F8M-720                     | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT EXTRA 1.9D        | 91-95 | F8Q-640, 644, 646, 678      | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT EXTRA 1.9D        | 96-98 | F8Q-722, 724, 774, 776      | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT EXTRA 1.9D        | 94-   | F8Q-640                     | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT KANGOO 1.5DCi     | 01-   | K9K65, K9K80                | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT KANGOO 1.9D       | 98-   | F8Q-662, F8Q-630            | 41                   | •               |         |         |         | •                | •             | •             |
| RENAULT KANGOO 1.9D       | 99-   | F8Q-632                     | 41                   | •               |         |         |         | •                | •             | •             |
| RENAULT KANGOO 1.9DTi     | 99-   | F9Q-780                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA 1.9DCi     | 99-   | F9Q-718                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA 1.9DTi     | 96-98 | F9Q-716                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA 1.9DTi     | 99-   | F9Q-710, 717, 718           | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA 2.2D       | 96-98 | G8T-706, 752, 790, 792, 794 | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA 2.2TD      | 96-98 | G8T-760                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA II 1.9DCi  | 01-   | F9Q-750, 751, 752, 754      | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT LAGUNA II 2.2DCi  | 01-   | G9T                         | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 1.9DTi     | 99-   | F9Q-770                     | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 2.1D       | 80-95 | J8S-330                     | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 2.1D       | 95-98 | J8S                         | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 2.2DCi     | 00-   | G9T-720                     | 47                   |                 | •       |         |         | •                | •             | •             |
| RENAULT MASTER 2.4D       | 85-98 | T35D, S8U-748               | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 2.5TD      | 85-98 | T35D, S8U-748               | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MASTER 2.8DTi     | 97-   | S9W-700, 702, 714, 740      | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MEGANE 1.5DCi     | 02-   | K9K                         | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT MEGANE 1.9D       | 98-   | F8Q-788                     | 41                   | •               |         |         |         | •                | •             | •             |
| RENAULT MEGANE 1.9D       | 96-99 | F8Q-620, 624                | 1                    | •               |         |         |         | •                | •             | •             |
| RENAULT MEGANE 1.9DTi     | 96-98 | F9Q-734, F8Q-784            | 40                   | •               |         |         |         | •                | •             | •             |
| RENAULT MEGANE 1.9DTi     | 99-   | F9Q-731, 732, 736, 740      | 40                   | •               |         |         |         | •                | •             | •             |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number. If the adaptor is required for cylinder leakage testing the prefix is VS2052

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number. If the adaptor is required for cylinder leakage testing the prefix is VS2052

| VEHICLE                       | YEAR  | ENGINE                  | GP Adaptor Sets      |         |         |         | Compression Kits |                |               |               |
|-------------------------------|-------|-------------------------|----------------------|---------|---------|---------|------------------|----------------|---------------|---------------|
|                               |       |                         | Glowplug Adaptor No. | VS20451 | VS20452 | VS20453 | VS20454          | VS2042 POPULAR | VS2043 DELUXE | VS2044 MASTER |
| <b>RENAULT continued</b>      |       |                         |                      |         |         |         |                  |                |               |               |
| RENAULT MEGANE SCENIC 1.9D    | 96-99 | F8Q-620, 624            | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT MEGANE SCENIC 1.9D    | 96-   | F8Q-788                 | 41                   | •       |         |         | •                | •              | •             |               |
| RENAULT MEGANE SCENIC 1.9DCi  | 99-   | F9Q-731, 732, 736, 740  | 40                   | •       |         |         | •                | •              | •             |               |
| RENAULT MEGANE SCENIC 1.9DTi  | 99-   | F9Q-731, 732, 736, 740  | 40                   | •       |         |         | •                | •              | •             |               |
| RENAULT RAPID 1.9D            | 91-95 | F8Q-640, 644, 646, 678  | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT RAPID 1.9D            | 96-   | F8Q-722, 724, 774, 776  | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT RAPID 1.9D            | 94-   | F8Q-640                 | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT SAFRANE 2.1TD         | 92-96 | J8S-760                 | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT SAFRANE 2.2TD         | 96-   | G8T-740 (RTE, RXE, RXT) | 40                   | •       |         |         | •                | •              | •             |               |
| RENAULT SAFRANE 2.5TD         | 93-96 | S8U-762, 763            | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT TRAFIC 1.9D           | 98-   | F8Q-600, F8Q-606        | 41                   | •       |         |         | •                | •              | •             |               |
| RENAULT TRAFIC 2.1D           | 80-97 | J8S-620, 622, 758       | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT TRAFIC 2.5D           | 89-99 | S8U-758, 780, 782       | 1                    | •       |         |         | •                | •              | •             |               |
| RENAULT TRAFIC 2.5D           | 90-97 | 8140.67.2500            | 1                    | •       |         |         | •                | •              | •             |               |
| <b>ROVER</b>                  |       |                         |                      |         |         |         |                  |                |               |               |
| ROVER 114 1.4D                | 92-   | TUD3                    | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 115 1.5D                | 95-97 | TUD5                    | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 218 1.8TD               | 91-95 | XUD7TE                  | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 218 1.9D                | 91-   | XUD9A                   | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 218 1.9D SD             | 91-   | XUD9                    | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 220 2.0D, SD            | 96-   | 20T2RN                  | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 2202.0TDi               | 96-   | 20T2N                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 25 2.0TD                | 00-   | 20T2R                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 418 1.8TD               | 91-   | XUD7TE                  | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 418 1.9D                | 91-   | XUD9A                   | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 420 2.0TD/Sdi           | 95-   | 20T2N                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 420 2.0TDi              | 96-   | 20T2R                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 45 2.0TD                | 00-   | 20T2R                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 620 2.0D                | 95-99 | 20T2R                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 75 2.0CDT               | 99-   | M47 BMW                 | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER 825 2.5D                | 91-95 | HR492, 425              | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 825 2.5TD               | 91-96 | VM425 SLIRA             | 1                    | •       |         |         | •                | •              | •             |               |
| ROVER 825 2.5TD               | 96-99 | VM425                   | 40                   | •       |         |         | •                | •              | •             |               |
| ROVER METRO 1.4D              | 92-95 | TUD3                    | 1                    | •       |         |         | •                | •              | •             |               |
| <b>SAAB</b>                   |       |                         |                      |         |         |         |                  |                |               |               |
| SAAB 9-3 2.2DTi               | 98-   | D223L, X22DTH           | 43                   | •       |         |         | •                | •              | •             |               |
| <b>SEAT</b>                   |       |                         |                      |         |         |         |                  |                |               |               |
| SEAT ALHAMBRA 1.9TDi          | 96-01 | 1Z, AFN, AHU            | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT ALHAMBRA 1.9TDi PD       | 02-   | ASZ                     | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT ALHAMBRA 1.9TDi 4-MOTION | 00-   | AUY                     | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT AROSA 1.4TDi             | 99-   | AMF                     | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT AROSA 1.7Di              | 97-   | AKU                     | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA 1.7SDi           | 97-99 |                         | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA 1.9D             | 93-   | 1Y, AEF                 | 1                    | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA 1.9SDi           | 93-99 | AEY                     | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA 1.9TD            | 94-   | AAZ                     | 1                    | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA 1.9TDi           | 96-00 | 1Z, AHU, AFN            | 40                   | •       |         |         | •                | •              | •             |               |
| SEAT CORDOBA VARIO 1.9SDi     | 97-   | AEY                     | 40                   | •       |         |         | •                | •              | •             |               |

| VEHICLE                   | YEAR  | ENGINE               | GP Adaptor Sets      |         |         |         | Compression Kits |                |               |               |
|---------------------------|-------|----------------------|----------------------|---------|---------|---------|------------------|----------------|---------------|---------------|
|                           |       |                      | Glowplug Adaptor No. | VS20451 | VS20452 | VS20453 | VS20454          | VS2042 POPULAR | VS2043 DELUXE | VS2044 MASTER |
| <b>TOYOTA continued</b>   |       |                      |                      |         |         |         |                  |                |               |               |
| TOYOTA COROLLA 2.0D       | 97-   | 2CES                 | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA COROLLA 2.0TD      | 00-   | 1CDFTV (D-4D)        | 22                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 100 2.5D      | 88-95 | 2L OHC               | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 150 2.8D      | 88-   | 3L OHC               | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 3.0D (24v)    | 93-   | B, 11B               | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 3.0D 12V      | 93-   | B, 11B               | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 3.7D (24V)    | 93-   | 14B                  | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA DYNA 3.7D 12V      | 93-   | 14B                  | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 2.4D        | 89-95 | 2L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 2.5D        | 84-95 | 2L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 2.5TD       | 95-   | 2LT                  | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 3.0D (24v)  | 93-   | B, 11B               | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 3.0D 12V    | 93-   | B, 11B               | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 3.7D (24V)  | 93-   | 14B                  | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-ACE 3.7D 12V    | 93-   | 14B                  | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-LUX 2.4D        | 88-97 | 2L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-LUX 2.4TD       | 90-95 | 2LT                  | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-LUX 2.4TD       | 90-95 | 2LT                  | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-LUX 2.4TD TARO  | 89-97 | 2L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA HI-LUX 2.4TD TARO  | 89-97 | 2L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 2.5D  | 90-   | 2L-TE                | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 2.5TD | 88-93 | 2LT                  | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 2.8D  | 93-   | 3L                   | 21                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 4.2D  | 90-99 | 1HZ OHC              | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 4.2D  | 90-98 | 1HZ OHC              | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA LAND CRUISER 4.2TD | 90-95 | 1HDT OHC             | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA LITE ACE 2.0D 12v  | 85-95 | 2C-II                | 20                   |         |         |         | •                | •              | •             |               |
| TOYOTA PREVIA 2.0TD       | 99-   | 1CDFTV (D-4D)        | 22                   |         |         |         | •                | •              | •             |               |
| TOYOTA RAV-4 2.0TD        | 99-   | 1CDFTV (D-4D)        | 22                   |         |         |         | •                | •              | •             |               |
| TOYOTA STARLET 1.5D       | 89-   | 1N                   | 21                   |         |         |         | •                | •              | •             |               |
| <b>VAUXHALL</b>           |       |                      |                      |         |         |         |                  |                |               |               |
| VAUXHALL ARENA 1.9D       | 98-99 | F8Q-600, F8Q-606     | 41                   | •       |         |         | •                | •              | •             |               |
| VAUXHALL ARENA 2.5TD      | 98-   | S8U-780              | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL ARENA 2.5DT      | 98-99 | S8U-758, S8U-782     | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 1.7D       | 91-   | 17D, 17DR            | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 1.7TD      | 98-   | X17DTL               | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 1.7TD      | 90-91 | 17DT, TC4EE1 (ISUZU) | 25                   |         |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 1.7TD      |       | Y17 ENGINE           | 27                   |         |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 2.0TDi     | 97-98 | X20D                 | 43                   | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 2.0TDi     | 98-   | X20DTL               | 43                   | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 2.0TDi     | 97-98 | X20D, Y20DTL, Y20DTH | 43                   | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA 2.2DTi     | 00-   | Y22DTR               | 43                   | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA VAN 1.7D   | 88-94 | 17D, 17DR            | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL ASTRA VAN 1.7TD  | 94-   | X17DTL               | 1                    | •       |         |         | •                | •              | •             |               |
| VAUXHALL BRAVA 2.2D       | 90-96 | 4FD1                 | 25                   |         |         |         | •                | •              | •             |               |
| VAUXHALL BRAVA 2.3D       | 88-96 |                      | 25                   |         |         |         | •                | •              | •             |               |
| VAUXHALL BRAVA 3.1TD      | 95-   | 4JG2T                | 25                   |         |         |         | •                | •              | •             |               |
| VAUXHALL CAVALIER 1.7D    | 88-95 | 17D                  | 1                    | •       |         |         | •                | •              | •             |               |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                          | YEAR  | ENGINE                  | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|----------------------------------|-------|-------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                                  |       |                         |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <b>SEAT continued</b>            |       |                         |                      |                 |         |         |         |                  |               |               |  |
| SEAT CORDOBA VARIO 1.9SDi        | 99-   | AGP, AQM                | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT CORDOBA VARIO 1.9TDi        | 97-   | AHU, AGR, ALH           | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT CORDOBA VARIO 1.9TDi        | 99-   | ASV                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT IBIZA 1.9D                  | 93-96 | 1Y                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT IBIZA 1.9SDi                | 93-99 | AEY                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT IBIZA 1.9TD                 | 93-   | AAZ                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT IBIZA 1.9TDi                | 96-   | 1Z, AHU, AFN, AGR, ALH  | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT INCA 1.9D                   | 95-   | 1Y                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT INCA 1.9SDi                 | 95-   | AEY                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT INCA 1.9TDi                 | 96-   | AHU                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT INCA VAN 1.9D               | 96-   | 1Y, AEY                 | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT LEON 1.9SDi                 | 99-   | AQM                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT LEON 1.9TDi                 | 01-   | ARL                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT LEON 1.9TDi                 | 99-   | AGR, ALH, AHF           | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT TERRA 1.3D                  | 90-   |                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT TERRA 1.4D                  | 90-   | 1W                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9D                 | 91-98 | 1Y                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9SDi               | 95-98 | AEY                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9TD                | 91-97 | AAZ                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9TDi               | 96-98 | 1Z, AFN                 | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9TDi               | 97-   | AGR, AHU, ALH           | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9TDi               | 98-   | AHF, ASV                | 40                   | •               |         |         |         | •                | •             | •             |  |
| SEAT TOLEDO 1.9TDi               | 01-   | ARL                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| <b>SKODA</b>                     |       |                         |                      |                 |         |         |         |                  |               |               |  |
| SKODA FABIA 1.9Di                | 99-   | AGP                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA FABIA 1.9SDi               | 99-   | ASY                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA FABIA 1.9TDi               | 99-   | ATD                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA FELICIA 1.9D               | 96-   | AEF, EHH, 1Y            | 1                    | •               |         |         |         | •                | •             | •             |  |
| SKODA FELICIA VAN 1.9D           | 98-   | AEF, EHH                | 1                    | •               |         |         |         | •                | •             | •             |  |
| SKODA OCTAVIA 1.9D               | 96-   |                         | 1                    | •               |         |         |         | •                | •             | •             |  |
| SKODA OCTAVIA 1.9SDi             | 97-   | AGP, AQM                | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA OCTAVIA 1.9TDi             | 00-   | AGR, AHF, ALH, ASV, ATD | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA OCTAVIA 1.9TDi             | 96-00 | 1Z                      | 40                   | •               |         |         |         | •                | •             | •             |  |
| SKODA OCTAVIA 1.9PD              | 00-   | ATD                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| <b>SUZUKI</b>                    |       |                         |                      |                 |         |         |         |                  |               |               |  |
| SUZUKI BALENO 1.9TD              | 99-   | XUD9                    | 1                    | •               |         |         |         | •                | •             | •             |  |
| SUZUKI GRAND VITARA 2.0TDi (HDI) | 00-   | DW10                    | 45                   |                 | •       |         |         |                  | •             | •             |  |
| SUZUKI VITARA 1.9TD              | 93-   | XUD9                    | 1                    | •               |         |         |         | •                | •             | •             |  |
| SUZUKI VITARA 2.0TD              | 95-   | ET, FT, GT, TA, RF      | 24                   |                 |         |         | •       |                  | •             | •             |  |
| <b>TOYOTA</b>                    |       |                         |                      |                 |         |         |         |                  |               |               |  |
| TOYOTA 4RUNNER 2.4TD             | 90-95 | 2LT                     | 21                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA 4RUNNER 2.5D              | 93-95 | 2LT                     | 21                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA 4RUNNER 2.8D              | 93-   | 3L                      | 21                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA AVENSIS 2.0TDi            | 97-00 | 2CT, 2CTE               | 20                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA AVENSIS 2.0TDi            | 99-   | 1CDFTV (D-4D)           | 22                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA CARINA E 2.0D             | 92-97 | 2C                      | 20                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA CARINA E 2.0TD            | 96-97 | 2CT                     | 20                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA COROLLA 1.8D              | 87-   | 1C                      | 20                   |                 |         |         | •       |                  | •             | •             |  |
| TOYOTA COROLLA 2.0D              | 92-97 | 2C, 2CU                 | 20                   |                 |         |         | •       |                  | •             | •             |  |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                     | YEAR  | ENGINE                  | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|-----------------------------|-------|-------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                             |       |                         |                      | VS20451         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <b>VAUXHALL continued</b>   |       |                         |                      |                 |         |         |         |                  |               |               |  |
| VAUXHALL CAVALIER 1.7TD     | 90-95 | 17DT, TC4EE1            | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL COMBO 1.7D         | 94-   | 17D, X17D               | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.3CDTi      | 04-   |                         | 60                   |                 | •       |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.5D         | 93-   | 15D, 4EC1               | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.5TD        | 88-93 | 15TD, T4EC1 OHC         | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.5XD        | 96-00 | X15D, 4EC1 OHC          | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.5XTD       | 96-00 | X15TD, 4EE1 OHC         | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA 1.7D         | 93-00 | X17D 4EE1 OHC           | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL CORSA VAN 1.7D     | 93-   | 17D, X17D               | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL FRONTERA 2.2DTi    | 98-   | X22DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL FRONTERA 2.2DTi    | 00-   | Y22DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL FRONTERA 2.3D      | 91-95 | 23DTR                   | 1                    | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL FRONTERA 2.5TD     | 96-98 | 25TD, VENTURI-25TD, TDS | 40                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL MIDI 2.0TD         | 84-94 |                         | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL MIDI 2.2D          | 88-94 |                         | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL MONTEREY 3.1TD     | 94-   | 4JG2TC                  | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL MOVANO 1.9DTi      | 99-   | F9Q-770                 | 40                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL MOVANO 2.5D        | 98-   | S8U-772                 | 1                    | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL MOVANO 2.5DTi      | 99-   | S8U-772                 | 1                    | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL MOVANO 2.8DTi      | 98-   | S9W                     | 1                    | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL NOVA 1.5D          | 87-93 | 4EC1 (15D) 8047495      | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL NOVA 1.5TD         | 89-93 | T4EC1 (15DT) 8047495    | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL NOVA 1.5TD         | 88-93 | T4EC1 (15DT) TO 804794  | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL OMEGA 2.0TDi (DTH) | 98-   | X20DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL OMEGA 2.2TDi       | 00-   | Y22DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL OMEGA 2.5TD        | 94-   | BMW 2.5                 | 1                    | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL SINTRA 2.2DTi      | 98-99 | X22DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL VECTRA 1.7TD       | 95-96 | X17DT                   | 25                   |                 |         |         |         |                  | •             | •             |  |
| VAUXHALL VECTRA 2.0DTi      | 98-   | X20DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL VECTRA 2.0DTi      | 99-   | Y20DTH                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL VECTRA 2.0DTi      | 96-00 | X20DTL                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL VECTRA 2.2DTi      | 00-   | Y22DTR                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL VIVARO 1.9DTi      | 99-   | F9Q-770                 | 40                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL ZAFIRA 2.0DTi      | 99-   | X20DTL, Y20 DTH         | 43                   | •               |         |         |         |                  | •             | •             |  |
| VAUXHALL ZAFIRA 2.2DTi      | 99-   | X22DTL                  | 43                   | •               |         |         |         |                  | •             | •             |  |
| <b>VOLKSWAGEN</b>           |       |                         |                      |                 |         |         |         |                  |               |               |  |
| VW BEETLE 1.9TDi            | 98-00 | ALH, AGR                | 40                   |                 |         |         |         |                  | •             | •             |  |
| VW BEETLE 1.9TDi            | 00-   | ATD                     | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW BORA 1.9SDi              | 98-   | AGP, AQM                | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW BORA 1.9TDi              | 98-   | AHF, AHL, AJM           | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW BORA 1.9TDi, PD          | 00-   | ATD, ARL, ANU           | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW CADDY 1.6D               | 90-   | ME, JK                  | 1                    | •               |         |         |         |                  | •             | •             |  |
| VW CADDY 1.7SDi             | 96-   | AHB                     | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW CADDY 1.9D               | 96-   | 1X, 1Y, AEF             | 1                    | •               |         |         |         |                  | •             | •             |  |
| VW CADDY 1.9SDi             | 96-   | AEY                     | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW CADDY 1.9TDi             | 96-   | AHU, ALE                | 40                   | •               |         |         |         |                  | •             | •             |  |
| VW CARAVELLE 1.9D           | 90-96 | 1X                      | 1                    | •               |         |         |         |                  | •             | •             |  |

All Compression Glowplug Adaptors are prefixed VS2043 and individual adaptors identified as -1, -2 etc. eg: GP Adaptor No.1 = VS2043-1. When ordering adaptors always quote the full part number.

| VEHICLE                   | YEAR  | ENGINE        | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|---------------------------|-------|---------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                           |       |               |                      | VS20441         | VS20452 | VS20453 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>VW continued</i>       |       |               |                      |                 |         |         |         |                  |               |               |  |
| VW CARAVELLE 2.4D         | 90-95 | AAB, AJA      | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW CARAVELLE 2.5TDi       | 95-   | ACV           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK3 1.9D          | 91-97 | 1Y            | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK3 1.9SDi        | 93-99 | AEY           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK3 1.9TD         | 91-97 | AAZ           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK3 1.9TDi        | 91-96 | 1Z, ALE       | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK3 1.9TDi        | 93-99 | AFN           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9D          | 97-99 | 1Y            | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9SDi        | 98-   | AGP, AEY      | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TD         | 97-99 | AAZ           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TDi        | 97-99 | AFN           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TDi        | 97-   | AGR, AHF      | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TDi CABRIO | 98-   | AHU, ALH      | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TDi, PD    | 98-01 | AJM           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW GOLF MK4 1.9TDi, PD    | 00-   | ATD, ARL, ASZ | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.5SDi            | 96-   | AGX           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.5TDi            | 96-   | AHD           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.5TDi            | 99-   | APA           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.5TDi            | 99-   | ANJ           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT28 2.8TDi            | 96-   | AGK           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT31 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.4D              | 80-94 | DW            | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.5SDi            | 96-   | AGX           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.5TDi            | 96-   | AHD           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.5TDi            | 99-   | APA           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.5TDi            | 99-   | ANJ           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT35 2.8TDi            | 96-   | AGK           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT40 2.4D              | 89-96 | 1S, ACT       | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT40 2.4TD             | 83-96 | 1G, ACL       | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT45 2.4D              | 92-96 | ACT           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT45 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT46 2.5SDi            | 96-   | AGX           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT46 2.5TD             | 96-   | AHD           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT46 2.5TDi            | 99-   | APA           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT46 2.5TDi            | 99-   | ANJ           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LT50 2.4D              | 92-96 | ACT           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT50 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT55 2.4D              | 92-96 | ACT           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LT55 2.4TDi            | 92-96 | ACL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW LUPO 1.2TDi (CAT)      | 99-   | ANY, AYZ      | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LUPO 1.4TDi            | 99-   | AMF           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW LUPO 1.7SDi            | 98-   | AKU           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 1.9D          | 90-95 | 1X            | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 1.9D          | 92-94 | ABL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 1.9TD         | 94-   | ABL           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 2.4D          | 90-98 | AAB           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 2.4D          | 98-   | AJA           | 1                    | •               |         |         |         | •                | •             | •             |  |

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| VEHICLE                 | YEAR  | ENGINE                  | Glowplug Adaptor No. | GP Adaptor Sets |         |         |         | Compression Kits |               |               |  |
|-------------------------|-------|-------------------------|----------------------|-----------------|---------|---------|---------|------------------|---------------|---------------|--|
|                         |       |                         |                      | VS20441         | VS20442 | VS20443 | VS20454 | VS2042 POPULAR   | VS2043 DELUXE | VS2044 MASTER |  |
| <i>VW continued</i>     |       |                         |                      |                 |         |         |         |                  |               |               |  |
| VW MULTIVAN 2.5TDi      | 03-   | AJT                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW MULTIVAN 2.5TDi      | 03-   | ACV                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW PASSAT 1.9TD         | 90-96 | AAZ                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW PASSAT 1.9TDi        | 90-00 | 1Z, AFN, AHU, AHH       | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW PASSAT 1.9TDi        | 01-   | AVB, ATJ, AVF, AVG, AJM | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW PASSAT 2.5TDi V6     | 98-   | AFB, AKN                | 44                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.3D            | 90-94 | 1W, MN                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.4D            | 90-94 | 1W                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.4TDi          | 99-   | AMF                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.7SDi          | 97-   | AHG, AKU, AKW           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO/CLASSIC 1.9D    | 95-   | AEF                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.9SDi          | 99-   | AQM                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO/CLASSIC 1.9SDi  | 96-   | AGD                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.9TDi          | 98-   | AFN                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO/CLASSIC 1.9TDi  | 96-   | AHU, AFN, ALE           | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO 1.9TDi          | 99-   | ALH, AGR                | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW POLO VAN 1.4D        | 92-94 | 1W                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW POLO VAN 1.9D        | 94-99 | AEF                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW SHARAN 1.9TDi        | 95-   | 1Z, AHU, AFN, ANU       | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW TRANSPORTER 1.9D     | 90-95 | 1X                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW TRANSPORTER 1.9TD    | 92-   | ABL                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW TRANSPORTER 2.4D     | 97-   | AJA                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW TRANSPORTER 2.4D     | 90-   | AAB, ACT                | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW TRANSPORTER 2.5TDi   | 95-   | ACV                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW TOURAEG 5.0TDi       | 03-   | AYH                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW TOURAN 1.9TDi        | 03-   |                         | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW VENTO 1.9D           | 91-98 | 1Y                      | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW VENTO 1.9SDi         | 95-97 | AEY                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW VENTO 1.9TD          | 91-98 | AAZ                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VW VENTO 1.9TDi         | 93-96 | 1Z                      | 40                   | •               |         |         |         | •                | •             | •             |  |
| VW VENTO 1.9TDi         | 96-98 | AHU, AFN                | 40                   | •               |         |         |         | •                | •             | •             |  |
| <b>VOLVO</b>            |       |                         |                      |                 |         |         |         |                  |               |               |  |
| VOLVO 440, 460 1.9TD    | 93-96 | F8Q                     | 1                    | •               |         |         |         | •                | •             | •             |  |
| VOLVO 850 2.5TDi        | 95-98 | D5252T (D24TIC)         | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO 940, 960 2.4TDi   | 94-97 | D24TIC                  | 1                    | •               |         |         |         | •                | •             | •             |  |
| VOLVO S40 1.9TD, 1.9TDi | 96-   | D4192T (F8Q7)           | 1                    | •               |         |         |         | •                | •             | •             |  |
| VOLVO S40 1.9DCi        | 00-   | F9Q                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO S60 2.5TDi        | 01-   | D5252T                  | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO S70 2.5TDi        | 96-00 | D5252T                  | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO S80 2.5TDi        | 98-   | D5252T                  | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO V40 1.9TD         | 96-   | F8Q (D4192T)            | 1                    | •               |         |         |         | •                | •             | •             |  |
| VOLVO V40 1.9DCi        | 00-   | F9Q                     | 40                   | •               |         |         |         | •                | •             | •             |  |
| VOLVO V70 2.5TDi        | 96-   | D5252T                  | 40                   | •               |         |         |         | •                | •             | •             |  |