

SEALEY

DIESEL COMPRESSION ADAPTOR KIT - BMW, MERCEDES, ROVER, VAG

MODEL NO: **VSE3151**

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 & 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instruction
manual



Wear eye
protection



Wear protective
clothing

1. SAFETY

- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools
- × **DO NOT** use tools if threads are damaged. Any defectives must be rectified before use, to avoid incorrect readings.
- ✓ Maintain tools in a good, clean condition for the best and safest performance.
- ✓ Ensure that a vehicle that has been jacked up, is adequately supported with axle stands.
- ✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey stockist.
- ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery and tie back long hair.
- ✓ Ensure any disconnected fuel pipes are plugged to avoid spillage.
- ✓ Ensure that the correct connector is used for the engine being tested.
- ✓ Always release the pressure from the gauge, before disconnecting the quick release coupling.
- ✓ Account for all tools and parts being used and **DO NOT** leave them in or near the engine.
- ✓ Always refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data.

2. INTRODUCTION

Diesel engine glow plug compression test adaptor kit that cover a wide range of modern vehicles. For use in conjunction with Sealey Diesel Compression Gauge, Hose & TDC Base Kit (Model No. VSE3157). See Sealey website for complete vehicle applications.



3. APPLICATIONS

Make / Model	Engine	Type	Information	Year	Adaptor No
Alfa Romeo					
145	1.9	TD	AR67501 (AR67.502NO)	04/94 -> 09/96	2
145	1.9	TD	AR33601	10/96 -> 09/97	2
146	1.9	TD	AR67501 (AR67502NO)	02/95 -> 09/96	2
146	1.9	TD	AR33601	10/96 -> 09/97	2
155	1.9	TD	AR67502	04/93 -> 04/96	2
155	2.5	TD	VM07, VM31B, VM425CLIEA	05/95 -> 01/98	12
164	2.5	TD	VM08B, VM32B, VM425-SLIRA	05/95 -> 09/98	12

Audi					
A2	1.2	TDi	ANY	02/00 ->	12
A2	1.4	TDi	AMF	02/00 -> 08/03	12
A3	1.9	TDi	AGR, AHF, AJM, ALH	09/96 -> 05/03	12
A3	1.9	TDi	ASV	01/97 -> 07/98	12
A3	1.9	TDi	ANU	08/98 ->	12
A3	1.9	TDi	ASZ	10/00 -> 05/03	12
A3	1.9	TDi	ATD	10/00 ->	12
A3	1.9	TDi	AXR	10/00 -> 09/01	12
A3	1.9	TDi	AZV, BKD	03/03 ->	12
A4	1.9	D	AFF, AHH	03/96 -> 07/97	12
A4	1.9	TDi	1Z	01/95 -> 07/96	12
A4	1.9	TDi	AFN	02/96 -> 06/00	12
A4	1.9	TDi	AFF	03/96 -> 06/00	12
A4	1.9	TDi	AHU	08/96 -> 06/00	12
A4	1.9	TDi	AJM	01/98 -> 12/98	12
A4	1.9	TDi	AVG	08/99 -> 06/00	12
A4	1.9	TDi	ATJ	03/00 -> 09/01	12
A4	1.9	TDi	ATD	09/01 ->	12
A4	1.9	TDi	AVB	09/01 -> 04/04	12
A4	1.9	TDi	AVF, AWX	01/01 ->	12
A4	2.5	TDi	AFB, AKN	09/97 -> 09/01	16
A4	2.5	TDi	AKE, AVL	11/00 ->	16
A4	2.5	TDi	AYM	08/01 -> 07/02	16
A4	2.5	TDi	BFC, BDG, BCZ	07/02 ->	16
A6	1.9	TDi	1Z, AHU	07/94 -> 10/97	12
A6	1.9	TDi	AFN	04/97 -> 04/01	12
A6	1.9	TDi	AJM	01/98 -> 04/01	12
A6	1.9	TDi	AVF, AWX	07/01 ->	12
A6	2.5	TDi	AAT, AEL	06/94 -> 10/97	12
A6	2.5	TDi	AFB	04/97 -> 07/98	16
A6	2.5	TDi	AKN	07/98 -> 05/01	16
A6	2.5	TDi	AKE	02/00 ->	16
A6	2.5	TDi	AYM	08/01 -> 06/02	16
A6	2.5	TDi	BFC	05/02 ->	16
A6	2.5	TDi	BFC, BDG, BCZ	07/02 ->	16
A6	2.5	TDi	BAU, BDH	02/00 -> 01/05	16
A8	2.5	TDi	AFB	06/97 -> 09/98	16
A8	2.5	TDi	AKN	07/98 -> 09/98	16
A8	3	TDi	ASB	08/03 ->	16
A8	4	TDi	ASE	03/03 ->	16
A8	3.3	TDi	AKF	09/99 -> 09/02	16
Allroad	2.5	TDi	AKE	05/01 ->	16
Cabrio	1.9	TDi	1Z, AHU	07/95 -> 11/00	12

BMW					
3-Series	318 (E36)	TDS	M41	09/94 -> 01/98	2
3-Series	318 Compact (E36)	TDS	M41 D18U	03/94 -> 07/01	2
3-Series	320 (E46)	D	M47 D20	04/98 -> 09/01	12
3-Series	320 Compact (E46)	TD	M47 N204 D4	09/01 ->	12
3-Series	325 (E36)	TD	M51	09/91 -> 01/98	2
3-Series	325 (E36)	TDS	M51	08/93 -> 03/98	2
3-Series	330 (E46)	Di	DDE306, M57 D30	08/99 -> 02/05	12
3-Series	330 (E46)	D	M57306D1	08/00 -> 02/05	12
3-Series	330 (E46)	Di	M57 D30	06/00 -> 02/05	12
5-Series	520 (E39)	Di	M47 D20	06/02 ->	12
5-Series	520 (E39)	D	M47 D20	02/00 -> 05/02	12
5-Series	524 (E34)	TD	M21	03/88 -> 09/91	2
5-Series	525 (E39)	D	M57 D25	02/00 -> 06/03	12
5-Series	525 (E34)	TD	M51 D25	09/91 -> 12/96	2
5-Series	525 (E34)	TDS	M51 D25	08/93 -> 01/96	2
5-Series	525 (E39)	TDS	M51 D25	01/96 -> 06/03	2
5-Series	525 (E39)	TDS	M51 D25	01/97 -> 06/98	2
5-Series	525 (E39)	TDS	M57 D25	02/00 -> 05/04	12
5-Series	530 (E39)	D	M57 D30	05/98 -> 09/00	12
7-Series	725 (E38)	TDS	M51 D25	02/96 -> 09/98	2
7-Series	730 (E38)	D	M52 D30H	05/98 ->	12
7-Series	740 (E38)	TD	M67 D40	01/99 ->	15
X5	2.9 (E53)	Di	M57 D30	05/01 -> 06/03	12

Chrysler					
Grand Voyager	2.5	TD	VM HR425 CLIEE	05/95 -> 04/01	12
Jeep Cherokee	2.5	TD	VM HR425 CLIRX	10/94 ->	2
Jeep Grand Cherokee	2.5	TD	VM HR492/VM 425CLIRE	01/93 ->	2
Jeep Grand Cherokee	2.5	TD	ENC	04/99 ->	12
Jeep Grand Cherokee	3.1	TD	EXA	04/99 ->	12
PT Cruiser	2.2	CRD	EDJ	03/02 ->	15
Voyager	2.2	TD	VM HR 492 /VM 425 CLIRE	06/92 -> 01/96	2
Voyager	2.5	TD	VM HR 425 CLIEE	04/92 -> 04/95	2
Voyager	2.5	TD	VM	05/95 -> 04/01	12

Citroen					
AX	1.5	D	TUD5	10/94 -> 04/97	12
Berlingo	1.8	D	XUD7	08/96 ->	2
Berlingo	1.8	D	XUD7	08/96 -> 08/98	2
Berlingo	1.8	TD	DW8TD	09/98 ->	12
Berlingo	1.9	D	XUD9A	07/96 -> 08/98	2
Berlingo	1.9	D	DW8B	07/98 ->	12
Berlingo	1.9	Di	XUD9A	09/98 ->	2
C15	1.8	D	XUD7	06/95 ->	2
C15	1.9	D	DW8B	07/98 ->	12
C25	1.9	D	XU9DA	07/87 -> 01/94	2
C25	2.5	TD	CRD 93 LS	04/87 -> 01/94	2
C35	2.5	D	CRD 93 B	01/80 -> 01/94	2
CX	2.5	TD	M25-669,671	01/87 -> 12/92	2
Dispatch	1.9	D	XUD9AU	03/94 -> 08/98	2
Dispatch	1.9	D	XUD9AU	09/98 ->	12
Dispatch	1.9	TD	XUD9TF	03/94 -> 08/98	2
Dispatch	1.9	TD	XUD9TF	09/98 ->	12
Dispatch	2.4	D	DJ5	03/94 -> 08/98	2
Dispatch	2.4	D	DJ5	09/98 ->	2
Dispatch	2.4	TD	DJ5T	03/94 -> 08/96	2
Dispatch	2.5	TDi	DJ5TED	09/96 ->	15
Evasion	1.9	TD	XUD9TF, XUD9BTF	07/94 -> 08/98	2

Evasion	1.9	TD	XUD9TF, XUD9BTF	09/98 -> 10/02	2
Evasion	2	TD	DHX	05/97 -> 10/02	2
Evasion	2.1	TD	XUD11BTE	05/96 -> 04/97	2
Evasion	2.1	TD	XUD11BTE	05/97 -> 10/02	2
Jumper	1.9	D	XUD9AU	03/94 -> 05/95	2
Jumper	1.9	D	XUD9, XUD9AU	06/95 ->	2
Jumper	1.9	TD	XUD9TF	03/94 ->	2
Jumper	1.9	TD	XUD9TF	09/98 ->	2
Jumper	2.5	D	DJ5	03/94 ->	2
Jumper	2.5	D	DJ5TE	03/94 -> 08/96	2
Jumper	2.5	D	DJ5	03/94 ->	2
Jumper	2.5	TD	DJ5TE	03/94 -> 12/96	2
Jumper	2.5	TDi	DJ5TED	09/96 ->	15
Jumpy	1.9	D	XUD9A	09/95 ->	2
Jumpy	1.9	D	DW8	07/98 ->	12
Jumpy	1.9	TD	XUD9TF	09/95 ->	2
Relay	1.8	D	DW8	09/98 ->	12
Relay	1.8	TD	DW8TD	09/98 ->	12
Relay	1.9	D	XUD9A	09/95 ->	2
Relay	1.9	TD	XUD9TF	09/95 -> 08/98	2
Relay	1.9	TD	XUD9TF	09/98 ->	2
Saxo	1.5	D	TUD5,5B	02/96 -> 10/03	12
Synergie	1.9	TD	XUD9TF, XUD9BTF	01/94 -> 08/98	2
Synergie	1.9	TD	DW8	09/98 ->	12
Synergie	1.9	TD	XUD9TF, XUD9BTF	09/98 ->	2
Synergie	2.1	TD	XUD11BTE	05/96 -> 08/98	2
Synergie	2.1	TD	XUD11BTE	09/98 -> 2002	2
Visa	1.8	D	XUD7	01/87 -> 03/91	2
Xantia	1.9	D	XUD9 AL	03/93 -> 01/96	2
Xantia	1.9	D	XUD9SD	06/94 ->	2
Xantia	1.9	D	XUD9A	02/96 -> 08/98	2
Xantia	1.9	TD	XUD9BTF	03/93 -> 08/98	2
Xantia	1.9	TD	XUD9BTF	09/98 ->	2
Xantia	2.1	TD	XUD11BTE	05/95 -> 08/98	2
Xantia	2.1	TD	XUD11BTE	09/98 ->	2
XM	2.1	D	XUD 11A,L	05/89 -> 06/95	2
XM	2.1	TD	XUD 11ATE,L,BTE	05/89 -> 05/01	2
XM	2.1	TD	XUD11ATE,BTE	07/94 -> 08/98	2
XM	2.1	TD	XUD11ATE,BTE	09/98 -> 12/00	2
XM	2.5	TD	DK5ATE	07/94 -> 05/01	2
Xsara	1.5	D	TUD5	09/97 ->	12
Xsara	1.8	D	XUD7	09/97 ->	2
Xsara	1.8	TD		09/97 ->	2
Xsara	1.9	D	XUD9A	09/97 ->	2
Xsara	1.9	D	DW8,8B	04/98 ->	12
Xsara	1.9	D	XUD9BSD	09/98 ->	2
Xsara	1.9	TD	XUD9TE, XUD9TE/Y	09/97 -> 08/98	2
Xsara	1.9	TD	XUD9TE, XUD9BSD	09/98 ->	2
ZX	1.5	D	TUD5	10/94 -> 06/98	12
ZX	1.8	D	XUD7	05/94 -> 06/98	2
ZX	1.9	D	XUD 9A,L	03/91 -> 04/94	2
ZX	1.9	D	XUD 9A,L	05/94 -> 06/98	2
ZX	1.9	TD	XUD9T,L	09/92 -> 04/94	2
ZX	1.9	TD	XUD9T,L	05/94 -> 06/98	2

Daihatsu

Hijet (S85)	1.2	D	LDW	05/95 -> 02/98	2
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FIAT

Brava	1.9	D	160A7.000	09/95 -> 03/96	2
Bravo	1.9	D	160A7.000	09/95 -> 03/96	2
Croma	2.5	D	8144.67	1990-> 1997	2
Croma	2.5	TD	8144.91.200,8144.97	01/93 -> 12/93	2
Ducato	1.9	D	230.A2.000	03/94 -> 04/02	2
Ducato	1.9	D	DJY	04/98 ->	12
Ducato	1.9	TD	280A1.000	01/90 -> 02/94	2
Ducato	1.9	TD	230A4.000	03/94 -> 04/02	2
Ducato	1.9	TD	230A3.001	03/94 -> 04/02	2
Ducato	1.9	TD	230A3.000	03/94 ->	2
Ducato	1.9	TD	DHX	04/98 ->	2
Ducato	2.5	TD		03/94 ->	2
Elba	1.7	D		04/89 -> 12/96	2
Fiorino	1.7	D	146.B2.000	1992 ->	2
Fiorino	1.7	TD	146D7.000	1997 ->	2
Marengo	1.9	D	160A7.000	01/92 ->	2
Marengo	1.9	TD	160.A6.000	01/92 -> 12/96	2
Palio	1.7	D	176A3.000	04/96 ->	2
Palio	1.7	TD	176A3.000	04/96 ->	2
Palio Weekend	1.7	TD	176A3.000	07/97 ->	2
Punto	1.7	D	176A3.000	06/93 -> 1999	2
Punto	1.7	D	176A3000, 176B3000	04/94 -> 11/96	2
Punto	1.7	TD	176TD 1697 TT	06/93 -> 09/96	2
Punto	1.7	TD	176B7.000	09/96 -> 09/99	2
Punto	1.7	TD	176A5.000	10/96 -> 09/99	2
Punto	1.7	TDS	176A5000	04/96 -> 02/00	2
Scudo	1.8	D	DW8,B	09/98 ->	12
Scudo	1.8	TD	DW8TD	09/98 ->	12
Scudo	1.9	D	D9B	1995-> 07/98	2
Scudo	1.9	TD	D8B	1995-> 07/98	2
Tempra	1.9	D	160 A.000	02/91 -> 09/96	2
Tempra	1.9	D	160A6.000	02/91 -> 09/96	2
Tempra	1.9	TD	160B6.046	07/91 -> 12/96	2
Tempra	1.9	TD	160D.1000	04/93 -> 09/96	2
Tipo	1.9	TD	160D.1000	04/93 -> 09/95	2
Tipo	1.9	TD	160A7.000	06/93 -> 10/95	2
Ulysse	1.9	JTD	XUD9TU	09/94 -> 03/99	2
Ulysse	2	TD	XUD11 ATE	05/96 ->	2
Ulysse	2.1	TD	P8C	08/96 -> 10/99	2

Ford

Courier	1.8	D	RTJ,RTK	02/96 -> 07/98	2
Courier	1.8	Di	RTP	01/00 -> 12/01	2
Escort	1.8	TD	RVA	08/90 -> 07/98	2
Escort	1.8	TD	RFS	01/95 -> 02/99	2
Escort Van		TD	RVA	12/95-06/01	2
Fiesta	1.8	D	RTK,RTJ	11/95 ->	2
Fiesta	1.8	D	D18NA,RTK,RTJ	11/95 -> 04/00	2
Fiesta	1.8	Di	RTQ Endura	01/00 -> 12/01	2
Fiesta	1.8	Di	RTN, RTP, RTQ Endura	04/00 ->	2
Fiesta	1.8	TD		11/95 ->	2
Fiesta Van	1.8	D	RTK	02/96 ->	2
Fiesta Van	1.8	D	RTJ,RTK	05/98 ->	2
Galaxy	1.9	TD	1Z,AHU,ANU	10/95 -> 10/01	12
Galaxy	1.9	TDi	AFN	02/95 -> 04/00	12
Galaxy	1.9	TDi	AVG	06/99 ->	12
Galaxy	1.9	TDi	AUY	04/00 -> 09/01	12
Galaxy	1.9	TDi	AHU, 1Z, ANU	10/01 ->	12

Galaxy	1.9	TDi	AUY	10/01 ->	12
Mondeo	1.8	TDi	D18TDi	09/96 -> 09/00	2
Scorpio	2.5	TD	SCB,SCC (E2D36)	11/94 -> 06/96	12
Scorpio	2.5	TD	SCD	09/96 -> 08/98	12

FSO

Polonez	1.9	D	XUD9A	1991 ->	2
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Honda

Accord	2	TDi	L Series 20TN2	05/95 -> 10/98	12
Accord	2	TDi		02/99 ->	12
Civic	2	D	L Series	03/96 -> 2001	12
Civic	2	TDi	20TN2-20T2R	10/97 ->	12
Civic Aerodeck	2	TDi	20T2N	05/98 -> 2001	12
Civic Fastback	2	TDi	20T2N	10/97 -> 02/01	12
Concerto	1.8	TD	XUD7T	08/94 -> 10/96	2

Jeep

Cherokee	2.5	TD	VM	10/94 ->	2
Cherokee	3.1	TD		09/01 ->	12
Commander	3.0	CRD	Mercedes	2006 ->	15
Grand Cherokee	2.5	TD	VM	01/93 -> 02/99	12
Grand Cherokee	2.5	TD		03/99 ->	12
Grand Cherokee	2.7	CRD		11/01 ->	12
Grand Cherokee	3.1	TD		03/99 ->	12

Kia

Magentis	2	CRDi	D4 EA	04/06 ->	15
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Lada

Cossack	1.9	D	Peugeot XUD 9L	01/94 ->	2
Hussar	1.9	D	Peugeot XUD 9L	01/94 ->	2
Niva	1.9	D	Peugeot XUD 9L	01/94 ->	2
Sagona	1.5	D	TUD5L	11/96 ->	12
Samara	1.5	D	TUD5L	11/96 ->	12

Lancia

Zeta	1.9	TD	XUD 9T	04/95 -> 09/02	2
Zeta	2.1	TD	P8C	07/96 -> 1999	2

Land Rover

Defender	2.5 (90)	TDi	23L	09/90 -> 12/98	15
Defender	2.5 (110)	TDi	23L	09/90 -> 12/98	15
Defender	2.5	Td5		06/98 ->	15
Discovery	2.5	TDi	12L 21L	08/96 ->	15
Discovery	2.5	TDi	19L	10/95 ->	15
Freelander	2.0	Di	20TCIE	07/97 -> 11/00	12
Freelander	2.0	Td4	M47 D20 (BMW)	11/00 ->	12
Range Rover	2.5	TDi	14L	08/94 -> 03/02	15
Range Rover	2.5	TDS	M51 D25 (BMW)	11/94 -> 03/02	2
Range Rover	3.0	Td6	M57 D30 (BMW)	03/02 ->	12

LDV

200	1.9	D	XUD9	10/94 -> 03/96	2
200	2.0	D		1989-> 03/96	2
400	2.5	D		1989-> 03/96	2
400	2.5	TD		1989 -> 10/98	2

Pilot	1.9	D	XUD9A	04/96 ->	2
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Mazda

121	1.8	D	RTJ	03/96 ->	2
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Mercedes

600	612 - 2.9	TD	602980	08/96 ->	2
C-Class	C200 - 2.1	CDi	(203) OM611.962	09/00 ->	15
C-Class	C200 - 2.1	CDi	(203) OM	04/03 ->	15
C-Class	C200 - 2.2	CDi	(202) OM611.960	03/98 -> 05/00	15
C-Class	C200 - 2.2	CDi	OM	03/98 -> 05/00	15
C-Class	C220 - 2.2	CDi	(202) OM611.960	09/97 -> 05/00	15
C-Class	C220 - 2.2	CDi	(203) OM611.962	05/00 -> 02/04	15
C-Class	C220 - 2.2	CDi	(203) OM611.962	05/00 -> 02/04	15
C-Class	C220 - 2.2	CDi	(203) OM646.963	02/04 ->	15
C-Class	C270 - 2.7	CDi	(203) OM612.962	06/00 ->	15
CLK-Class	CLK270 - 2.7	CDi	(209) OM612.962/967	10/02 ->	15
E-Class	E200 - 2.1	CDi	(210) OM611.960	06/98 -> 07/99	15
E-Class	E200 - 2.1	CDi	(210) OM611.962	07/99 -> 03/02	15
E-Class	E200 - 2.1	TD	(211) OM	06/02 ->	15
E-Class	E220 - 2.2	CDi	(210) OM611.961	07/98 -> 06/00	15
E-Class	E220 - 2.2	CDi	(210) OM611.962	07/99 -> 03/02	15
E-Class	E220 - 2.2	CDi	(210) OM611.961	03/02 ->	15
E-Class	E270 - 2.7	CDi	(210) OM612.961	07/99 -> 03/02	15
E-Class	E270 - 2.7	CDi	(211) OM647.961	04/02 ->	15
E-Class	E320 - 3.2	DCi	(210) OM613.961	07/99 -> 03/02	15
E-Class	E320 - 3.2	DCi	9211) OM648.961	11/02 ->	15
G-Class	G270 - 2.7	CDi	(463) OM612.966	10/01 ->	15
G-Class	G400 - 4.0	CDi	(463) OM628.962	09/00 ->	15
ML-Class	ML270 - 2.7	CDi	(163) OM612.963	02/98 ->	15
ML-Class	ML400 - 4.0	CDi	(163) OM628.963	09/01 ->	15
S-Class	S320 - 3.2	CDi	(220) M613.960	01/00 ->	15
S-Class	S400 - 4.0	CDi	(220) M628.960	01/00 ->	15
Sprinter	2.2	CDi	OM611.960	04/00 ->	15
Sprinter	2.2	CDi		04/00 ->	15
Sprinter	2.2	CDi	OM611A	04/00 ->	15
Sprinter	2.7	CDi	OM612	04/00 ->	15
Sprinter	2.9	D	OM602.980.10 (Dela ->9849)	02/95 ->	2
Sprinter	2.9	D	OM602.980.12 (Dela->136)	02/95 ->	2
Sprinter	2.9	D	OM602.980.10 (Dela ->9849)	04/95 ->	2
Sprinter	2.9	D	OM602.980.12 (Dela ->136)	04/95 ->	2
Sprinter	2.9	D	OM602.980.10 (Dela ->9849)	04/95 ->	2
Sprinter	2.9	D	OM602.980.12 (Dela ->136)	04/95 ->	2
V-Class	V200 - 2.0	CDi	OM611.960	03/99 -> 09/03	15
V-Class	V220 - 2.2	CDi	OM611.980	03/99 -> 09/03	15
Viano	2.2	Cdi	OM646.982	09/03 ->	15
Viano	2.2	Cdi	OM646.982	09/03 ->	15
Vito	2.2	CDi	OM611A	03/99 -> 09/03	15
Vito	2.2	Cdi	OM646.983	09/03 ->	15
Vito	2.2	CDi	OM611.960	03/98 -> 09/03	15
Vito	2.2	Cdi	OM646.982	09/03 ->	15
Vito	2.2	CDi	OM611.980	03/99 -> 09/03	15
Vito	2.2	Cdi	OM646.983	09/03 ->	15

MG

ZR	2.0	TD		06/01->	12
ZS	2.0	TD		01/04->	12
ZT	2.0	CDTi	204D2	06/02->09/03	12

Mitsubishi

Carisma	1.9	TD	F8QT	10/96 ->	2
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Nissan

Almera	1.5	dCi		01/03 ->	12
Interstar	1.9	dCi 80	F9Q, 772	07/02 ->	12
March	1.5	D	TUD5	10/96 ->	12
Micra	1.5	D	TUD5,TUD15	05/98 -> 12/02	12
Micra	1.5	TD	K9K	2002->	12
Note	1.5	dCi lp	K9K	03/06 ->	12
Note	1.5	dCi hp	K9K	03/06 ->	12
Primastar	1.9	dCi		03/01->	12

Peugeot

106	1.5	D	TUD5,TUD5B	03/94 ->	12
205	1.8	D	XUD7	10/83 -> 05/97	2
205	1.8	TD	XU7.DT,XUD7	07/85 -> 05/97	2
206	1.9	D	DW8,DW8B	07/98 ->	12
306	1.8	D	XUD7(CEE95L3)	1994->08/98	2
306	1.8	D	XUD7	06/95 -> 08/98	2
306	1.8	D	XUD7(CEE95L3)	09/98 -> 03/01	2
306	1.8	D	XUD7	09/98 -> 03/01	2
306	1.9	D	XUD9	04/92 -> 08/98	2
306	1.9	D	XUD9A,L	03/93 -> 03/01	2
306	1.9	D	DW8,DW8B	04/98 -> 03/01	12
306	1.9	D	XUD9	09/98 -> 03/01	2
306	1.9	TD	XUD9TE	03/93 -> 08/98	2
306	1.9	TD	XUD9TE	09/98 -> 03/01	2
405	1.9	D	XUD9	03/88 -> 01/97	2
405	1.9	D	XUD9A	02/97 ->	2
405	1.9	TD	XUD9TE,XUD9TF	09/92 -> 01/97	2
406	1.9	TD	XUD9BTF,SD,TE	10/95 -> 08/98	2
406	1.9	TD	XUD9BTF,SD,TE	09/98 -> 03/99	2
406	2.1	TD	XUD11BTE	10/95 -> 08/98	2
406	2.1	TD	XUD11BTE	09/98 -> 03/99	2
605	2.1	TD	XUD11BTE(CEE95L3)	06/89 -> 08/98	2
605	2.1	TD	XUD11BTE(CEE19.5)	06/89 -> 02/00	2
605	2.1	TD	XUD11BTE(CEE95L3)	09/98 -> 02/00	2
605	2.5	TD	DK5ATE	07/94 -> 08/98	2
806	1.9	TD	XUD9TE	07/94 -> 08/98	2
806	1.9	TD	XUD9TE	09/98 -> 2002	2
806	2.1	TD	XUD11ATE,BTE	05/95 -> 08/98	2
806	2.1	TD	XUD11ATE,BTE	09/98 -> 09/99	2
Boxer	1.8	D	XUD7	09/98 ->	2
Boxer	1.9	D	XUD9	07/95 -> 08/98	2
Boxer	1.9	D	XUD9,XUD9AU	09/98 ->	2
Boxer	1.9	TD	XUD9TE	03/94 -> 08/98	2
Boxer	1.9	TD	XUD9TE,XUD9UTF	09/98 ->	2
Boxer	2.5	D	DJ5	03/94 ->	2
Boxer	2.5	DTi	DJ5T	03/94 ->	2
Boxer	2.5	DTi	DJ5TED	09/96 ->	15
Boxer	2.8	JTD		10/97 ->	2
Expert	1.9	D	XUD9A,L	09/95 ->	2
Expert	1.9	D	DW8	07/98 ->	12
Expert	1.9	D	XUD9A,L	09/98 ->	2
Expert	1.9	TD	XUD9TE	09/95 ->	2
J5	2.5	D	DJ5	02/94 ->	2
J5	2.5	TD	DJ5T	02/94 ->	2

Partner	1.8	D	XUD7	08/96 -> 08/98	2
Partner	1.8	D	XUD7	09/98 ->	2
Partner	1.9	D	XUD9A	08/96 -> 08/98	2
Partner	1.9	D	DW8	07/98 ->	12
Partner	1.9	D	XUD9A	09/98 ->	2
Ranch	1.9	D	XUD9A	05/96 -> 08/98	2
Ranch	1.9	D	XUD9A	09/98 ->	2

Renault

19	1.9	TD	F8Q-740,744	09/90 -> 03/96	2
Avantime	2.2	dCi	F9Q	09/01 ->	12
Clio	1.5	DCi	K9K65,K9K80,K9K700	06/01 ->	12
Clio	1.5	dCi	K9K 768	06/05 ->	12
Clio	1.5	dCi	K9K 766	06/05 ->	12
Clio	1.5	dCi	K9K 764	06/05 ->	12
Clio	1.9	D	F8Q-676,678,692,696	03/91 -> 08/98	2
Clio	1.9	D	F9Q.780	03/99 ->	12
Clio	1.9	DTi	F9Q.716	02/99 ->	12
Clio	1.9	DTi	F9Q.716	03/99 ->	12
Espace	1.9	DTi	F9Q-722	02/99 ->	12
Espace	1.9	DCi	F9Q-820	11/02 ->	12
Espace	2.1	TD	J8S-610,772,776,778	04/91 -> 09/96	2
Espace	2.2	TD	G8T- 714,716	10/96 -> 08/00	12
Express	1.9	D	F8Q 640,644,646,648,682	09/94 ->	2
Extra	1.9	D	F8Q 640	01/96 ->	2
Kangoo	1.5	DCi	K9K-710	09/02 ->	12
Kangoo	1.5	DCi	K9K-700, 704	12/01 ->	12
Kangoo	1.5	DCi	K9K-702	07/02 ->	12
Kangoo	1.9	DTi	F9Q-780	02/00 ->	12
Kangoo	1.9	DTi	F9Q-790	10/01 ->	12
Laguna	1.5	dCi		10/07 ->	12
Laguna	1.9	DTi	F9Q.716	05/98 -> 01/99	12
Laguna	1.9	DTi	F9Q710,717,718	01/99 -> 12/00	12
Laguna	1.9	DCi	F9QT-750,751,752	01/01 ->	12
Laguna	2	dCi	M9R 920	10/07 ->	12
Laguna	2	dCi	M9R 920	10/07 ->	12
Laguna	2.2	D	G8T-706,752,790,792,794	02/96 -> 06/98	12
Laguna	2.2	TD	G8T	01/94 -> 03/01	12
Laguna	2.2	TD	G8T-760	02/96 -> 06/98	12
Laguna	2.2	DCi	F9Q	03/01 ->	12
Master	1.9	DTi	F9Q-770	09/99 ->	12
Master	2.2	DCi	F9Q	06/00 ->	12
Master	2.5	D	S8U-730,731,742	06/82 -> 07/98	2
Master	2.5	TD	Sofi m 8140.27.2580	08/89 -> 07/98	2
Megane	1.5	DCi		09/02 ->	12
Megane	1.9	DCi	F9Q	11/03 ->	12
Megane	1.9	D	F8Q-620,624	11/95 ->	2
Megane	1.9	D	F8Q-620	01/96 ->	2
Megane	1.9	TD	F8Q-784	01/96 ->	2
Megane	1.9	DCi	F9Q-731,736	01/99 -> 08/02	12
Megane	1.9	DCi	F9Q-732,733	03/99 -> 08/02	12
Megane	1.9	DTi	F9Q-730,734	03/97 -> 12/98	12
Megane	1.9	DTi	F9Q-730,734	04/97 -> 02/99	12
Megane	1.9	DTi	F9Q-731,732,736,740	01/99 -> 08/02	12
Megane	1.9	DTi	F9Q-731,736	01/99 -> 08/02	12
Megane	1.9	DTi	F9Q-744	02/01 -> 08/02	12
Megane	1.9	DTi	F9Q-744	02/01 -> 08/02	12
Megane Scenic	1.9	D	F8Q-620,624	11/95 -> 02/99	2
Megane Scenic	1.9	Di	F9QT-770	06/00 ->	12

Megane Scenic	1.9	TD	F8Q-784	01/96 -> 09/99	2
Megane Scenic	1.9	TD	F9Q-730, 734	01/96 -> 09/99	12
Megane Scenic	1.9	dCi	F9Q-730,734	01/96 -> 09/99	12
Megane Scenic	1.9	dCi	F9Q-732,733	03/99 ->	12
Megane Scenic	1.9	dCi	F9Q-731,736	03/99 -> 09/99	12
Megane Scenic	1.9	dCi	F9Q-716, 718	06/00 ->	12
Megane Scenic	1.9	DTi	F9Q-731,732,736,740	01/99 ->	12
Megane Scenic	1.9	DTi	F9Q-716, -718	03/99 ->	12
Megane Scenic	1.9	DTi	F9Q-744	02/01 ->	12
Modus	1.5	dCi		12/04->	12
Rapid	1.9	D	F8Q-640	09/94 -> 03/98	2
Safrane	2.1	TD	J8S-760	04/92 -> 10/96	2
Safrane	2.2	TD	G8T-740	10/96 -> 11/01	12
Safrane	2.5	TD	S8U-762,763	05/93 -> 10/96	2
Scenic	1.5	dCi	K9K-722	06/03 ->	12
Scenic	1.5	dCi	K9K-728	12/03 ->	12
Scenic	1.9	dCi	F9Q-730, 734	01/96 -> 09/99	12
Scenic	1.9	dCi	F9Q-731, 736	03/99 -> 09/99	12
Scenic	1.9	dCi	F9Q-716, 733	11/00 ->	12
Scenic	1.9	dCi		06/03 ->	12
Scenic	1.9	dCi	F9Q-812	06/03 ->	12
Scenic	1.9	dCi		05/05 ->	12
Thalia	1.5	dCi	K9K-700	04/02 ->	12
Thalia	1.5	dCi	K9K-702	06/01 ->	12
Trafic	1.9	dCi	F9Q-760, 762	03/01 ->	12
Trafic	2.1	D	J8S-620,622,758	09/80 -> 10/97	2
Trafic	2.1	D	852-750	09/80 -> 10/97	2
Trafic	2.5	D	Sofi m S8U	10/82 -> 10/97	2
Trafic	2.5	D	8140.67.2500	03/90 -> 10/97	2

Rover

25	2	TD	20T	10/99 ->	12
45	2	TD	20T	02/00 ->	12
75	2	CDT	M47R (BMW)	04/99 ->	12
75	2	CDTi	204 D2	02/03 ->	12
100	115 - 1.5	D	TUD5	03/95 ->	12
200	218 - 1.9	D	XUD 9A	03/91 -> 03/00	2
200	218 - 1.9	D	XUD9	09/91 -> 03/00	2
200	220 - 2.0	D	20T2N, 20T2R	01/96 -> 03/00	12
400	418 - 1.8	TD	XUD 7TE	03/91 -> 03/00	2
400	418 - 1.9	D	XUD 9A	03/91 -> 03/00	2
400	420 - 2.0	SD	20T2R	03/96 ->	12
400	420 - 2.0	SDi	20T2N	03/96 ->	12
600	620 - 2.0	TD	20T2N	02/95 -> 06/99	12
800	825 - 2.5	TD	VM HR-492/VM 425 SLIRR	01/93 -> 04/95	2
800	825 - 2.5	TD	VM425 Slira	05/95 -> 02/99	12

Saab

9-3	2.2	TiD	D223L/X22DTH	09/98 -> 11/00	15
9-3	2.2	TiD		11/00 ->	15

Seat

Alhambra	1.9	TDi	1Z,AFN	01/96 ->	12
Alhambra	1.9	TDi	AHU	07/96 ->	12
Alhambra	1.9	TDi	ANU	03/99 -> 09/01	12
Alhambra	1.9	TDi	AVG	06/99 ->	12
Alhambra	1.9	TDi	AJM	04/00 ->	12

Alhambra	1.9	TDi	AUY	06/00 ->	12
Alhambra	1.9	TDi	ASZ	11/02 ->	12
Arosa	1.4	TDi	AMF	08/99 ->	12
Arosa	1.7	SDi	AKU	10/97 ->	12
Cordoba	1.7	SDi		07/97 -> 06/99	12
Cordoba	1.9	D	1Y	05/93 -> 08/99	2
Cordoba	1.9	SDi	AEF	03/93 -> 08/99	2
Cordoba	1.9	SDi	AEY	01/96 -> 09/02	12
Cordoba	1.9	SDi	AQM,AGP	06/99 ->	12
Cordoba	1.9	SDi	ASY	10/02 ->	12
Cordoba	1.9	TD	AAZ	05/94 -> 08/99	2
Cordoba	1.9	TDi	1Z,AHU,ALH,AGR	08/96 ->	12
Cordoba	1.9	TDi	AFN,ASK,ASV	06/97 ->	12
Cordoba	1.9	TDi	ASZ	10/02 ->	12
Cordoba	1.9	TDi	ATD	10/02 ->	12
Ibiza	1.7	SDi		07/97 -> 08/99	12
Ibiza	1.9	D	EAF	03/93 ->	2
Ibiza	1.9	D	1Y	05/93 -> 08/96	2
Ibiza	1.9	SDi	AEF	03/93 -> 08/99	2
Ibiza	1.9	SDi	AEY	03/93 -> 08/99	12
Ibiza	1.9	SDi	AQM,AGP	08/99 ->	12
Ibiza	1.9	TD	AAZ	05/93 ->	2
Ibiza	1.9	TDi	1Z,AHU,AFN	08/96 -> 08/99	12
Ibiza	1.9	TDi	ALK,ALH,AGR,ASK,ASV	08/99 ->	12
Inca	1.9	D	1Y,1EY	11/95 ->	2
Inca	1.9	SDi	AEY,AYQ	11/95 ->	12
Leon	1.9	SDi	AQM	11/99 ->	12
Leon	1.9	TDi	ALG,AGR	09/99 ->	12
Leon	1.9	TDi	ASV,AHF	09/99 ->	12
Leon	1.9	TDi	ARL	01/01 ->	12
Toledo	1.9	D	1Y	03/91 -> 10/98	2
Toledo	1.9	SDi	AEY	12/95 -> 03/99	12
Toledo	1.9	TD	AAZ	03/91 -> 04/97	2
Toledo	1.9	TDi	1Z,AFN	08/96 -> 10/98	12
Toledo	1.9	TDi	AGR,AHU,ALH	01/97 ->	12
Toledo	1.9	TDi	AHF,ASV	11/98 ->	12
Toledo	1.9	TDi	ASZ	05/03->	12
Toledo	1.9	TDi	ARL	01/01 ->	12

Skoda

Fabia	1.4	TDi	AMF	04/03 ->	12
Fabia	1.9	SDi	ASY	1999->	12
Fabia	1.9	SDi	AGP	12/99 ->	12
Fabia	1.9	TDi	ATD	1999->	12
Fabia	1.9	TDi	AJM	12/99 ->	12
Fabia	1.9	TDi	AHF	10/00 ->	12
Felicia	1.9	D	1Y	09/96 ->	2
Felicia	1.9	D	AEF	1996->06/01	2
Octavia	1.9	D	AGP	07/96 ->	12
Octavia	1.9	SDi	AEY	09/96 ->	12
Octavia	1.9	SDi	AGP,AQM	05/97 ->	12
Octavia	1.9	TDi	1Z	1996->07/00	12
Octavia	1.9	TDi	AGR	01/96 ->	12
Octavia	1.9	TDi	ALH	07/96 ->	12
Octavia	1.9	TDi	AHF	01/97 ->	12
Octavia	1.9	TDi	AGR,AHF,ALH,ASV,ATD	08/00 ->	12
Octavia	1.9	TDi	AJM, AUY	10/00 ->	12
Octavia	1.9	TDi	ATD	10/00 ->	12
Octavia	1.9	TDi	ASZ	02/03 ->	12
Pick Up	1.9	D	AEF	01/96 ->	2

Roomster	1.4	TDI	BNM, BMS	09/06 ->	12
Superb	1.9	TDi	AVB	08/02 ->	12
Superb	1.9	TDi	AVF, AWX	02/02 ->	12
Superb	2.5	TDi	AYM	02/02 ->	16
Superb	2.5	TDi	BDG	06/03 ->	16

Ssangyong

Korando	2.5	D	XD3P	06/93 -> 07/97	2
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Suzuki

Baleno	1.9	TD	XUD9	02/99 ->	2
Grand Vitara	1.9	DDiS	F9Q	10/05 ->	12
Jimny	1.5	DDiS	K9K 700	12/03 ->	12
Samurai	1.9	TD	RFP	09/98 ->	2
Vitara	1.9	D	XUD9	04/96 -> 03/98	2
Vitara	1.9	TD	XUD9	11/95 -> 08/98	2
Vitara	1.9	TD	XUD9	09/98 ->	2

Vauxhall / Opel

Arena	1.9	D	F8Q	07/98 -> 11/99	2
Arena	2.5	TD	S8U	09/98 -> 11/99	2
Astra	1.7	D	17YD	08/91 -> 03/04	2
Astra Mk IV	1.7	TD	X17DTL	02/98 -> 08/00	2
Astra Mk IV	2	DTi	X20DTL, Y20DTL	03/98 -> 03/04	15
Astra Mk IV	2	DTi	X20DTH, Y20DTH	08/99 -> 03/04	15
Astra Van	1.7	D		08/83 -> 03/04	2
Astra Van	1.7	D	17D	09/88 -> 08/94	2
Astra Van	1.7	D	17DR	09/93 -> 08/94	2
Astra Van	1.7	TD	X17DTL	09/94 -> 03/04	2
Astra Van	2	Di	X20DTL	09/98 -> 03/04	15
Brava	2.5	D		03/92 ->	2
Combo	1.7	Di	Y17DTL	10/01 ->	2
Corsa Van	1.7	D	17D, X17D	09/93 ->	2
Frontera	2.2	DTi	X22DTH	09/98 ->	15
Frontera	2.2	DTi	Y22DTH	08/00 ->	15
Frontera	2.5	TD	25TD	09/96 -> 08/98	12
Movano	1.9	DTi	F9Q-770	12/99 ->	12
Movano	2.5	DTi	S8U	12/99 ->	2
Movano	2.8	DTi	S9W	11/98 ->	2
Omega	2	TDi	X20DTH	02/98 ->	15
Omega	2.2	DTi	Y22DTH	08/00 ->	15
Omega	2.5	TD	BMW - X25DT OHC-R6	04/94 ->	2
Signum	2	DTi	Y20DTH	05/03 ->	15
Signum	2.2	DTi	Y20DTR	05/03 ->	15
Sintra	2.2	DTi	X22DTH	09/98 -> 04/99	15
Vectra	1.7	TD	X17DT	09/95 -> 12/96	15
Vectra	2	Di	X20DTL	08/99 -> 03/02	15
Vectra	2	DTi	X20DTH	06/96 -> 02/98	15
Vectra	2	DTi	X20DTH	03/98 ->	15
Vectra	2	DTi	Y20DTH	08/99 ->	15
Vectra	2	DTi	Y20DTH	06/02 ->	15
Vectra	2.2	DTi	Y22DTR	07/00 ->	15
Vectra	2.2	DTi	Y20DTR	04/02 ->	15
Vivaro	1.9	Di	F9Q-770	12/99 ->	12
Vivaro	1.9	DTi	F9Q.760	08/01 ->	12
Zafira	2	DTi	X20DTL	05/99 ->	15
Zafira	2.2	DTi	X22DTL	09/99 ->	15

VW					
Beetle	1.9	TDi	ALH, AGR	11/98 -> 09/00	12
Beetle	1.9	TDi	ATD	10/00 -> 10/01	12
Beetle	1.9	TDi	ATD	11/01 ->	12
Beetle	1.9	TDi	AXR	03/03 ->	12
Bora	1.9	SDi	AGP, AQM	09/98 ->	12
Bora	1.9	TDi	AHF, ALH, AGR, ASV, AJM, AU, ANU	10/98 -> 06/01	12
Bora	1.9	TDi	ARL	05/00 -> 10/01	12
Bora	1.9	TDi	ARL	11/01 ->	12
Bora	1.9	TDi	ASZ (Ch No ->172.600000)	11/01 ->	12
Bora	1.9	TDi	ASZ (Ch No 172.600001->)	11/01 ->	12
Bora	1.9	TDi	ATD	11/01 ->	12
Bora	1.9	TDi	AXR	11/01 ->	12
Caddy	1.7	SDi	AHB	10/96 ->	12
Caddy	1.9	D	1Y, AEF	01/96 -> 02/04	2
Caddy	1.9	SDi	AEY	11/95 -> 02/04	12
Caddy	1.9	TDi	AHU, ALE	08/96 -> 02/04	12
California	1.9	TD	ABL	08/92 -> 03/98	2
California	2.4	D	AAB	09/90 -> 04/98	2
California	2.4	D	AJA	05/97 -> 03/98	2
California	2.5	TDi	ACV	08/95 ->	12
California	2.5	TDi	AJT	05/98 ->	12
Caravelle	1.9	D		09/90 -> 04/96	2
Caravelle	2.5	TDi		08/95 ->	12
Eurovan	2.4	SDi		10/92 ->	2
Eurovan	2.5	SDi		01/95 ->	12
Fox	1.4	TDi	BNM	04/05 ->	12
Golf 3	1.9	D	1Y	09/91 -> 08/98	2
Golf 3	1.9	TD	AAZ	09/91 -> 08/98	2
Golf 3	1.9	SDi	AEY	09/93 -> 02/99	12
Golf 3	1.9	TDi	1Z,AHU,ALE	09/91 -> 07/96	12
Golf 3	1.9	TDi	AFN	09/93 -> 02/99	12
Golf 4	1.9	D	1Y	10/97 -> 02/99	2
Golf 4	1.9	Di	ANU	01/99 -> 03/04	12
Golf 4	1.9	TD	AAZ	10/97 -> 02/99	2
Golf 4	1.9	SDi	AEY	10/97 -> 02/99	12
Golf 4	1.9	SDi	AGP,AQM	07/97 -> 03/04	12
Golf 4	1.9	TDi	AFN,AHF,ASV	10/97 -> 06/01	12
Golf 4	1.9	TDi	AGR,ALH,AHU	09/97 -> 06/01	12
Golf 4	1.9	TDi	ASZ	01/98 -> 10/01	12
Golf 4	1.9	TDi	AJM,AUY	04/98 -> 06/01	12
Golf 4	1.9	TDi	ARL	05/00 -> 10/01	12
Golf 4	1.9	TDi	ATD	10/00 -> 03/03	12
Golf 4	1.9	TDi	AVF	07/01 -> 03/03	12
Golf 4	1.9	TDi	ARL	11/01 -> 03/03	12
Golf 4	1.9	TDi	ASZ	11/01 -> 03/03	12
Golf 4	1.9	TDi	ATD	11/01 -> 03/03	12
Golf 4	1.9	TDi	AXR	11/01 -> 03/03	12
Golf Van	1.9	D		08/92 ->	2
LT28	2.4	TD	ACL	09/92 -> 08/96	2
LT28	2.5	SDi	AGX	05/96 ->	12
LT28	2.5	TDi	AHD, ACV	05/96 -> 08/99	12
LT28	2.5	TDi	ANJ, AVR	01/99 ->	12
LT28	2.5	TDi	APA	05/99 ->	12
LT35	2.4	TD	ACL	09/92 -> 08/96	2
LT35	2.5	SDi	AGX	05/96 -> 04/01	12
LT35	2.5	TDi	AHD	05/96 -> 08/99	12
LT35	2.5	TDi	ANJ, AVR	01/99 ->	12
LT35	2.5	TDi	APA	05/99 ->	12
LT40	2.4	D	1S, ACT	08/89 -> 04/96	2

LT40	2.4	TD	1G	02/83 -> 04/96	2
LT45	2.4	TD	ACL	09/92 -> 08/96	2
LT46	2.5	TDi	ANJ	01/99 ->	12
LT46	2.5	TDi	APA	05/99 ->	12
Lupo	1.2	TDi	ANY	06/99 -> 11/00	12
Lupo	1.2	TDi	AYZ	11/00 -> 10/01	12
Lupo	1.2	TDi	ANY, AYZ	11/01 ->	12
Lupo	1.4	TDi	AMF	01/99 -> 10/01	12
Lupo	1.4	TDi	AMF	11/01 ->	12
Lupo	1.7	SDi	AKU	10/98 ->	12
Multivan	1.9	TD	ABL	09/92 -> 04/98	2
Multivan	1.9	TDi	AXB	04/03 ->	12
Multivan	2.4	D	AAB	09/90 -> 04/98	2
Multivan	2.4	D	AJA	05/98 ->	2
Multivan	2.5	TDi	ACV	08/95 ->	12
Multivan	2.5	TDi	AJT	05/98 ->	12
Multivan	2.5	TDi	AXE	04/03 ->	12
Multivan	2.5	TDi	AXD	04/03 ->	12
Passat	1.9	TD	AAZ	03/90 -> 10/96	2
Passat	1.9	TDi	1Z, AHU, AHH	10/93 -> 12/00	12
Passat	1.9	TDi	AFN, AVG	10/96 -> 12/00	12
Passat	1.9	TDi	AJM, AWX, ATJ	10/98 ->	12
Passat	1.9	TDi	AVB, ATD	11/00 -> 10/01	12
Passat	1.9	TDi	AVF	01/01 -> 10/01	12
Passat	1.9	TDi	AVF,AWX, AVB	11/01 ->	12
Passat	2.5	TDi	AFB, AKN	08/98 ->	16
Phaeton	5	TDi	AJS	11/02 ->	12
Polo	1.4	TDi	AMF	04/99 -> 09/01	12
Polo	1.4	TDi	AMF, BAY, ATD, AXR	10/01 ->	12
Polo	1.7	SDi	AHB	01/96 -> 12/99	12
Polo	1.7	SDi	AHG, AKU, AKW	05/97 -> 09/01	12
Polo	1.7	SDi	AKW	11/97 ->	12
Polo	1.7	SDi	AKU	10/99 -> 04/00	12
Polo	1.9	D	1Y, AEF	12/95 -> 09/01	2
Polo	1.9	SDi	AEY, AGD	07/96 -> 09/01	12
Polo	1.9	SDi	AQM	09/99 -> 09/01	12
Polo	1.9	TDi	AHU, ALE	08/96 -> 08/99	12
Polo	1.9	TDi	AFN, ATD	06/98 -> 08/01	12
Polo	1.9	TDi	ALH, AGR	09/99 -> 08/01	12
Sharan	1.9	TDi	1Z,AHU, ANU	09/95 -> 10/01	12
Sharan	1.9	TDi	AFN,AVG	09/95 -> 04/00	12
Sharan	1.9	TDi	AUY	03/00 -> 10/01	12
Sharan	1.9	TDi	AUY, AHU, ANU	11/01 ->	12
Sharan	1.9	TDi	ASZ	11/02 ->	12
Touareg	2.5	R5 TDi	BAC	01/03->	12
Touareg	5	TDi		10/02 ->	12
Transporter	1.9	TD	ABL	09/92 -> 04/98	2
Transporter	2.4	D	ACT	02/92 ->	2
Transporter	2.4	D	AJA	04/97 -> 04/98	2
Transporter	2.4	TD	1G	08/88 -> 04/96	2
Transporter	2.5	TDi	ACV	08/95 -> 04/98	12
Transporter	2.5	TDi	AHY, AJT	05/98 ->	12
Transporter	2.5	TDi	AUF	11/99 ->	12
Transporter	2.5	TDi	AYC	09/00 ->	12
Transporter	2.5	TDi	AYY	10/01 ->	12
Vento	1.9	D	1Y	09/91 -> 10/98	2
Vento	1.9	TD	AAZ	09/91 -> 10/98	2
Vento	1.9	SDi	AEY	01/95 -> 07/97	12
Vento	1.9	TDi	1Z	10/93 -> 07/96	12
Vento	1.9	TDi	AHU, AFN, ALE	08/96 -> 10/98	12

Volvo					
360	1.8	D	XUD7	09/98 ->	2
440	1.9	TD	F8Q, D19T	01/93 -> 12/96	2
460	1.9	TD	F8Q, D19T	01/93 -> 08/97	2
850	2.5	TDi	D5252T	08/95 -> 12/98	12
940	2.4	TDi	D24TIC	01/94 -> 05/97	2
S40	1.9	DI	D4192T3	03/99->07/00	12
S40	1.9	TD	F8Q	05/96 -> 08/99	2
S40	1.9	TDi	D4192T (F8QT)	09/96 -> 08/99	2
S60	2.5	TDi	D5252T	10/01 ->	12
S70	2.5	TDi	D5252T	12/96 -> 11/00	12
S80	2.5	TDi	D5252T	07/98 ->	12
V40	1.9	DI	D4192 T2	03/99->07/00	12
V40	1.9	TD	F8Q Kombi	01/96 -> 08/99	2
V40	1.9	TD	D4192T (F8QT)	09/96 -> 08/99	2
V40	1.9	TD	D4192T2	03/99 -> 08/99	2
V70	2.5	TDi	D5252T	12/96 -> 11/00	12

4. INSTRUCTIONS

4.1. OVERVIEW OF COMPRESSION TESTING.

- 4.1.1. When an engine's performance is down, or if misfiring occurs which cannot be attributed to the ignition or fuel systems, a compression test can provide diagnostic clues as to the engine's condition.
- 4.1.2. Compression should build up quickly in a healthy engine.
- 4.1.3. A very low compression reading on the first stroke, followed by gradually increasing pressure on successive strokes, indicates worn piston rings.
- 4.1.4. 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).
- 4.1.5. Deposits on the undersides of the valve heads can also cause low compression.
- 4.1.6. If the pressure in any cylinder is considerably lower than the others, introduce a small quantity of clean oil into that cylinder through the glow plug hole, 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. If there is no improvement, it suggests that the leakage is around the valves, or a faulty head gasket.
- 4.1.7. 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.
- 4.1.8. 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.
- 4.1.9. As a rough guide, engines having a compression pressure in excess of 100psi (6.9 bar), should not exceed a compression loss of more than 10psi (0.69 bar). On older engines with lower compression pressure, loss should not exceed 0.35 bar (5psi).

4.2. COMPRESSION TESTING.

- 4.2.1. Check the engine oil is at the correct level.
- 4.2.2. Remove all of the glow plugs from the engine.
- 4.2.3. Select the applicable adaptor and screw it into the first glow plug port, ensuring there is a good seal with the O-ring (if fitted). Connect the coupling on the pressure gauge hose to the adaptor, ensuring it locks into place.
- 4.2.4. Turn over the engine using the starter motor and observe the gauge, looking for a steady increase in the reading, and note the maximum reading obtained. Refer to the vehicle/engine manufacturer's workshop manual for compression results data.
- 4.2.5. Depress the Re-set Valve (situated under the gauge) to release the pressure. The Re-set Valve allows the test to be repeated if required without disconnecting the tester from the glow plug port.
 - ❑ **WARNING!** Always release pressure via the Re-set Valve BEFORE disconnecting the Tester.
- 4.2.6. Disconnect the compression tester from the adaptor and remove the adaptor from the glow plug port. Install them into the next cylinder's glow plug port and repeat the tests. Continue the tests for all of the remaining cylinders in turn.

NOTE: A variation in compression readings between cylinders is often a better indication of engine problems than the individual values of compression.

4.3. TDC INDICATOR TOOL.

- 4.3.1. Remove the glow plug from cylinder number 1. It may also be necessary to remove all glow plugs to facilitate manual turning over of the engine.
- 4.3.2. Select the applicable adaptor from one of the accompanying kits and screw it into the glow plug port of cylinder number 1. Ensure that there is a good seal with the O-ring (if fitted). Connect the coupling on the TDC finder to the adaptor, ensuring it locks into place.
- 4.3.3. Position the indicator in a vertical position, in a suitable viewable location, using the magnetic hook if needed.
- 4.3.4. Turn the engine over manually, using a spanner or socket on the crankshaft pulley, in the direction of engine rotation and watch for the float to rise in the tube. As the piston rises on the compression stroke, the float will rise to the top of the tube and stay there, when the piston goes past TDC and compression is lost, the float will suddenly sink. Note position and temporarily make suitable marks to indicate TDC, or compare with existing timing marks.
- 4.3.5. Turn the engine over a further 1¼ turns and the float should start to rise again as the piston rises on the compression stroke. Continue to slowly turn the crankshaft towards TDC (watching the timing marks) - note the exact point when the float drops. Alter the timing mark if required.
- 4.3.6. Repeat the procedure, turning the engine over a further 2 turns to re-check for accuracy.
- 4.3.7. Disconnect the TDC tool from the adaptor and remove the adaptor from the glow plug port.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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