

Compression and Leakage Test Kit for Petrol & Diesel Engine



GENERAL

The compression tester is a valuable tool for the diagnosis of engines, which can be both age-related and tear as well as leakage of the piston rings and valves notice. Through the adaptation of the compression tester has a wide range of application such as. e.g. Diagnosis of cars, motorcycles and other machines with 2- or 4-stroke engines.

SAFETY INFORMATIONS

- Beware of tests on hot engines!
- By hot exhaust manifold or other hot engine parts cause burns!
- Remove the ignition key at assembly, so you prevent accidental starting.
- Always observe the safety and installation instructions of the vehicle manufacturer.
- Diesel injection systems can build a very high pressure, never loosen the fuel lines, which are under pressure. Risk of injury

INSTRUCTIONS

Gasoline engine test

1. Start the engine for about 15 minutes until it reaches normal temperature.
2. Turn off the engine.
3. Disconnect the power to the ignition coils. The separation of the ignition cable alone can lead to damage of the modern ignition systems.
4. Remove all the spark plugs from the cylinder head, put these in the order in which they were developed. This can be helpful for further diagnosis.
5. Clean the spark plug threads with e.g. Compressed air.
6. Screw the appropriate adapter or the hose directly into the spark plug threads. Tighten the hose and adapter by hand only. Do not use tools!
7. Now start the engine for at least 4 seconds, and give full throttle until the pressure on testers no longer rises.
8. Note the maximum value and repeat the test on all remaining cylinders (step 5 to 8)

Gasoline engine test result

- At intact cylinders the pressure increases directly on start up to a peak value.
- Check all cylinders by manufacturer's instruction, the difference between them may be up to 10%.
- When a cylinder has no pressure and the spark plugs have traces of oil, the piston should be checked for damage. At high combustion temperatures, for example by uncontrolled combustion (coal oil on the spark plug) can cause damage to the piston (pitting) lead.
- If the value is less on two adjacent cylinders than the value of the other cylinders, there is a defective cylinder head gasket in the transition zone between the two cylinders. This is also true if there is water and / or oil at the spark plugs.
- If one cylinder has a lower pressure as indicated by the manufacturer, give a little engine oil into the cylinder and run the compression test again. If the pressure rises sharply, the piston rings are worn. If the pressure remains the same low level, the defect is a leaky valve or a defective camshaft.
- If the pressure indicated on all cylinders less than that stated by the manufacturer, the motor has age-related wear and for diagnose the engine must be disassembled and measured.
- Install all the spark plugs and cables in the correct order.

Note: For all tests should always vehicle specific data are available.

Diesel engine test

1. Start the engine for about 15 minutes until it reaches normal temperature.
2. Turn off the engine.
3. Disconnect the power supply of the injectors and remove if necessary, all injectors or glow plugs (the details of the test method can be found in the vehicle-specific service literature)
4. Install the appropriate adapter and the gauge in the injectors or glow plug chambers.



WARNING: When testing by the glow plug chambers it is absolutely necessary to disconnect the fuel supply. It should not be injected diesel fuel. Otherwise there is a danger that the engine starts and it will cause injury and damage to the tester.



5. Now start the engine for at least 4 seconds until the pressure on testers no longer rises.
6. Note the maximum value and repeat the test on all remaining cylinders (step 3 to 6)

Diesel engine test result

- At intact cylinders the pressure increases directly on start up to a peak value.
- Check all cylinders by manufacturer's instruction, the difference between them may be up to 10%.
- When a cylinder has no pressure and the spark plugs have traces of oil, the piston should be checked for damage. At high combustion temperatures, for example by uncontrolled combustion (coal oil on the spark plug) can cause damage to the piston (pitting) lead.
- If the value is less on two adjacent cylinders than the value of the other cylinders, there is a defective cylinder head gasket in the transition zone between the two cylinders. This is also true if there is water and / or oil at the spark plugs.
- If one cylinder has a lower pressure as indicated by the manufacturer, give a little engine oil into the cylinder and run the compression test again. If the pressure rises sharply, the piston rings are worn. If the pressure remains the same low level, the defect is a leaky valve or a defective camshaft.
- If the pressure indicated on all cylinders less than that stated by the manufacturer, the motor has age-related wear and for diagnose the engine must be disassembled and measured.
- Install all the spark plugs and cables in the correct order.

Note: For all tests should always vehicle specific data are available.

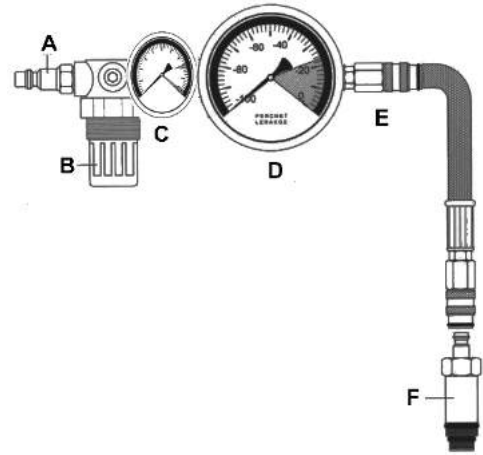
CYLINDER LEAKAGE TESTER

The leakage tester serves for the diagnostics of engine defects, e.g. of the inlet/exhaust valves, the pistons/piston rings and the cylinder head/cylinder head gaskets.

The leakage tester detects and localizes engine defects quickly.

CONSTRUCTION

- A compressed air connection
- B pressure regulator
- C gauge
- D leakage test gauge
- E connector for adapter
- F adapter for injectors, spark plugs or glow plug



USE

1. Warm up engine, apply vehicle's hand brake
2. The piston of the cylinder in question has to be adjusted at TDC (top dead center)
3. Dismantle spark plug/injection nozzle
4. **IMPORTANT:** Before go to the next step, turning the pressure regulator (B) completely to the left. Failure can damage to the tester.
5. Connect tester to compressed air outlet (A).
6. The input pressure of the compressed air must be between 6 & 12 bar.
7. Turn pressure regulator (B) until the instrument's pointer has reached 0%
8. Fix pressure regulator (B); (press down; initial pressure has to be the same for all cylinder)
9. Screw testing adapter (C) into the engine's spark plug thread
10. Connect testing adapter (C) to tester (outlet)
11. Read pressure loss;
 - Pointer exceeds 23% - the engine is defect.
 - Pointer remains within the green area (0-23%) pressure loss is acceptable.

The leak can be spotted by listening to the noise of the escaping air or by feeling the air stream

Location of places of noise:

- intake manifold
- exhaust manifold
- oil filler neck
- cooling liquid filler neck

Defecting

- inlet valve defect
- exhaust valve defect
- piston/piston ring defect
- cylinder head gasket defect

CAUTION : Risk of burning on warmed-up engines – do not touch any of hot parts.

- Differences between the individual cylinder up to two graduation lines (= 4% pressure loss) are acceptable.
- The leakage on engines which have run less than 5000 kilometers may be higher, because the cylinder, the piston and the piston rings have not yet reached their full smoothness.
- Necessary testing pressure: 6 to 12 bar.

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
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 1.9TD	94-96	AR67501,AR67502	1	
ALFA	146 1.9TD	98-99	AR33601	1	
ALFA	155 1.9TD	96-97	AR33601	1	
ALFA	155 2.0TD	93-97	AR67501	1	
ALFA	155 2.5TD	93-95	VM07,VM318	1	
ALFA	155 1.9TD	93-97	AR67501,AR67502	1	
ALFA	164 2.5TD SUPER	92-95	VM08,0000001	1	
ALFA	33 1.8TD	86-94	VM82A, VM96A1, VM HR392	1	
ALFA	155 2.5TD	95-97	VM07,VM318	12	
ALFA	164 2.5TD SUPER	95-98	VM08B,VM32B	12	
ALFA	145 1.9JTD	98-	AR32302	15	
ALFA	146 1.9JTD	98-	AR32302	15	
ALFA	1471.9JTD	01-	AR37101	15	
ALFA	156 1.9JTD	99-	AR32302	15	
ALFA	156 2.4JTD	99-	AR32501	15	
ALFA	156 2.4JTD	99-	AR32302	15	
ALFA	166 2.4JTD	00-	AR36202	15	
ALFA	166 2.4JTD	98-00	AR34202	15	
ALFA	166 2.4JTD	00-	AR36202	15	
AUDI	100 2.4D & AVANT	89-94	AAS	1	
AUDI	80 1.9TD	91-94	AAZ	1	
AUDI	80 1.9TDI AVANT & CABRIO	91-96	1Z	12	
AUDI	80 1.9TDI CABRIO	96-	AHU	12	
AUDI	A2,1.2TDI	00-	ANY	12	
AUDI	A2,1.4TDI PD	00-	AMF	12	
AUDI	A3 1.9TDI	96-	AHU, AGR, AHF, AJM, ALH	12	
AUDI	A3 1.9TDI	00-	ASZ, ATD	12	
AUDI	A4 1.9D	96-97	AFF	12	
AUDI	A4 1.9TDI	94-	1Z, AFN	12	
AUDI	A4 1.9TDI	98-	AJM	12	
AUDI	A4 1.9TDI	01-	AVF	12	
AUDI	A4 1.9TDI	96-97	AHU	12	
AUDI	A4 1.9TDI	97-	AHU, AFF, AJM,ATJ	12	
AUDI	A4 1.9TDI AVANT	97-	AVF	12	
AUDI	A4 1.9TDI AVANT; QUATTRO	01-	AFN, AJM	12	
AUDI	A6 1.9TDI	96-98	AHU	12	
AUDI	A6 1.9TDI & AVANT	95-	1Z, AFN	12	
AUDI	A6 1.9TDI & AVANT	98-	AJM	12	
AUDI	A6 2.5TDi & AVANT	01-	AVF	12	
AUDI	A6 2.5TDi & AVANT	94-98	AAT, AEL	12	
AUDI	A6 2.5TDI QUATTRO	95-97	AEL	12	
AUDI	CABRIO 1.9TDI	98-96	1Z	12	
AUDI	CABRIO 1.9TDI	96-01	AHU	12	
AUDI	A4 2.5TDI & AVANT	00-	AKE, AVL	17	
AUDI	A4 2.5TDI & AVANT V6	97-00	AFB, AKN	17	
AUDI	A4 2.5TDI QUATTRO & AVANT	97-00	AFB, AKN	17	
AUDI	A6 2.5TDI & AVANT	97-	AFB, AKN, AKE	17	
AUDI	A8 2.5TDI	97 - 98	AFB	17	
AUDI	A8 2.5TDI	98-	AKN	17	
AUDI	A8 2.5TDI QUATTRO	97-98	AFB, AKN, AKE, AKF	17	
AUDI	2.0 TDI / PD	03-	BKB, BKD, AZV, BMN, BKP, BMR	Optional	8008-70
AUDI	100 2.5TDI & AVANT	91-94	AAT, ABP, 1T	12	
BMW	318 1.8TDS, COMPACT	94-	M41 D18	1	
BMW	325 2.5TD, TDS, TOURING	91-99	M51 025	1	
BMW	525 2.5TD, TDS	93-	M51 D25	1	
BMW	725 2.5TDS (E46)	96-00	M57 D30	1	
BMW	320 2.0D (E46)	98-	M47 020	12	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
BMW	320 2.0D (E46) TOURING	99-	M47 020	12	
BMW	330 2.9DI (E46)	99-	DDE306	12	
BMW	330D (E46)	00-	M57 D30	12	
BMW	520D (E39)	00-	M47 D20	12	
BMW	525D	00-	M57 D25 (25 6 D1)	12	
BMW	530 2.9D (E39)	98-	M57 D30	12	
BMW	730D, TD	98-	M57 D30	12	
BMW	X5 2.9Di	99-	M57 D30 (DDE30601)	12	
CHRYSLER	VOYAGER 2.5TD	92-95	VM HR492CLI	1	
CHRYSLER	GRAND VOYAGER 2.5TD	95-	VM	12	
CHRYSLER	VOYAGER 2.5TD	95-	VM HR425 CLIEE	12	
CHRYSLER	CRUSIER 300C 2.2 3.0 CDR	02-		Optional	8008-55
CHRYSLER	TOUNING 300C 2.2 3.0 CDR	02-		Optional	8008-55
CITROEN	AX 1.4D	88-94	TUD3.TU03Y,TUD3L	1	
CITROEN	BERLINGO 1.80	98-	XUD7	1	
CITROEN	BERLINGO 1.8D	96-98	XUD7	1	
CITROEN	BERLINGO 1.9D	96-98	XUD9A	1	
CITROEN	BERLINGO 1.9D	98-	XUD9	1	
CITROEN	BX1.9D/TD	83-	XUD9A, XUD9L, XUD9T	1	
CITROEN	C15 1.8D	85-96	XUD7	1	
CITROEN	C15 1.9D	98-	XUD7	1	
CITROEN	C25 1.9D	87-	XUD9A, CRD93L	1	
CITROEN	C25 2.5TD	87-	CRD93LS	1	
CITROEN	DISPATCH 1.9D	94-98	XUD9AU	1	
CITROEN	DISPATCH 1.9D/TD	98-	XUD9AU, XUD9TF	1	
CITROEN	DISPATCH 2.4D	94-98	DJ5	1	
CITROEN	DISPATCH 2.4TD	94-96	DJ5T	1	
CITROEN	EVASION 1.9TD	94-	XUD9TF, XUD9BTF	1	
CITROEN	EVASION 2.0TD	96-	DHX	1	
CITROEN	EVASION 2.1TD	96-	XUD11BTE	1	
CITROEN	JUMPER 1.90	94-98	XUD9,XUD9AU	1	
CITROEN	JUMPER 1.9D	98-	XUD9, XUD9AU	1	
CITROEN	JUMPER 1.9TD	98-	XUD9TE,XUD9TF	1	
CITROEN	JUMPER 1.9TD	94-98	XUD9TF (DHX, D8C)	1	
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 2.8DTI	00-	8140.43S	1	
CITROEN	JUMPY 1.9D	95-	XUD9A (D9B)	1	
CITROEN	JUMPY 1.9TD	95-	DHX, D8B	1	
CITROEN	JUMPY 2.5D	94-	DJ5	1	
CITROEN	JUMPY 2.5TD	94-	DJ5T	1	
CITROEN	RELAY 1.9D	95-	XUD9A	1	
CITROEN	RELAY 1.9TD	98-	XUD9TF	1	
CITROEN	RELAY 1.9TD	95-98	XUD9TF	1	
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	SYNERGIE 1.9TD	98-	XUD9TF,XUD9BTF	1	
CITROEN	SYNERGIE 1.9TD	94-98	XUD9TF,XUD9BTF	1	
CITROEN	SYNERGIE 2.1TD	96-98	XUD11BTE	1	
CITROEN	SYNERGIE 2.1TD	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 2.1TD	98-	XUD11BTE	1	
CITROEN	XANTIA 2.1TD	95-98	XUD11BTE	1	
CITROEN	XM 2.1D	89-95	XUD11A, XUD11L	1	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
CITROEN	XM 2.1TD	98-	XUD11ATE, BTE	1	
CITROEN	XM 2.1TD	89-98	XU011ATE, BTE	1	
CITROEN	XM 2.5TD	98-	DK5ATE	1	
CITROEN	XM 2.5TD	94-98	DK5ATE	1	
CITROEN	XSARA 1.8D	98-	XUD7	1	
CITROEN	XSARA 1.9D	98-	XUD9A	1	
CITROEN	XSARA 1.9D	97-98	XUD9A	1	
CITROEN	XSARA 1.9TD	98-	XUD9TE, XU09BSD	1	
CITROEN	XSARA 1.9TD	97-98	XUD9TE, XU09TEY	1	
CITROEN	ZX 1.4D	94-97	TUD3Y(K9Y)	1	
CITROEN	ZX 1.8D	91-97	XDU7 (TO 6778)	1	
CITROEN	ZX 1.8D	91-97	XDU7 (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	
CITROEN	AX 1.5D	94-97	TUD5 (VJY,VJZ)	12	
CITROEN	BERLINGO 1.8D	98-	DW8	12	
CITROEN	BERLINGO 1.8TD	98-	DW8TD	12	
CITROEN	BERLINGO 1.9D	98-	DW8,DW8B	12	
CITROEN	C15 1.9D	98-	DW8B	12	
CITROEN	DISPATCH 1.9D	98-	DW8	12	
CITROEN	RELAY 1.8D	98-	DW8	12	
CITROEN	RELAY 1.8TD	98-	DW8TD	12	
CITROEN	RELAY 1.9D	98-	DW8	12	
CITROEN	SAXO 1.5D	96-	TUD5, TUD5B, TU05L, TUD5Y	12	
CITROEN	XSARA 1.5D	97-	TUD5	12	
CITROEN	XSARA 1.9D	98-	DW8,DW8B	12	
CITROEN	ZX 1.5D	94-98	TUD5	12	
CITROEN	DISPATCH 2.5DTI	96-	DJ5TED	16	
CITROEN	JUMPER 2.5DTI	96-	DJ5TED	16	
CITROEN	RELAY 2.5DTI	96-	DJ5TED	16	
CITROEN	BERLINGO 2.0HDI	99-	DW10,DW10TD	18	
CITROEN	C5 2.0HDI	01-	DW10TD,DW10TED	18	
CITROEN	C5 2.2HDI	01-	DW12TED4	18	
CITROEN	DISPATCH 2.0HDI	98-	DW10	18	
CITROEN	EVASION 2.0HDI	99-	DW10ATED	18	
CITROEN	JUMPER 2.0HDI	98-	DW10, DW10TD	18	
CITROEN	JUMPY 2.0HDI	98-	DW10ATED, BTED, TED4	18	
CITROEN	RELAY 2.0HDI	00-	DW10	18	
CITROEN	SYNERGIE 2.0HDI	01-	DW10	18	
CITROEN	SYNERGIE 2.0HDI	99-	DW10ATED	18	
CITROEN	XANTIA 2.0HDI	98-	DW10TD, DW10ATED	18	
CITROEN	XSARA 2.0HDI	99-	DW10, DW10TD/TED	18	
CITROEN	XSARA PICASSO 2.0HDI	99-	DW10TD	18	
CITROEN	C2 1.4HDI	03-	DV4TD	21	
CITROEN	C3 1.4HDI	03-	DV4TD	21	
CITROEN	XSARA 1.4HDI	03-	DV4	21	
CITROEN	PEUGEOT 1.4, 1.6 HDI	02-		35	
CITROEN	C6			Optional	8008-52
CITROEN	PEUGEOT 2.2 HDI	06-		Optional	8008-69
DAEWOO	KORANDD 2.9TD	96-	OM662, D29	1	
DAEWOO	KORANDO 2.9TD	99-	OM662, OM601.910	1	
DAEWOO	KORANOD 2.3TD	98-	OM601.990	1	
DAEWOO	MUSSO 2.3D / TDI	99-	OM6612A , OM601.910	1	
DAEWOO	MUSSO 2.9D / TD	99-	OM622LA	2	
DAEWOO	MUSSO 2.9TD / TDI	97-	OM662, D29	3	
FIAT	BRAVA/BRAVO 1.9D	95-96	160A7000	1	
FIAT	BRAVA/BRAVO 2.0TD	95-96		1	
FIAT	CROMA 2.5D	90-97	8144.67	1	
FIAT	DUCATO 1.9D	88-94	230A2000	1	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
FIAT	DUCATO 1.9D	94-	DJY(230A)	1	
FIAT	DUCATO 1.9TD	94-	230A3000, 230A4000	1	
FIAT	DUCATO 1.9TD	90-94	280A1000, 230A3000	1	
FIAT	DUCATO 1.9TD	98-	DHX	1	
FIAT	DUCATO 2.0D	87-94	149B1000	1	
FIAT	DUCATO 2.4D	86-94		1	
FIAT	DUCATO 2.4D (2.5TD 4X4)	86-94	8144.21.220	1	
FIAT	DUCATO 2.5D	86-94	6144.61, 8144.67	1	
FIAT	DUCATO 2.5D (4X4)	94-98	8140.67	1	
FIAT	DUCATO 2.5D MAXI	90-94	8144.67	1	
FIAT	DUCATO 2.5TD	94-	8140.47.2280	1	
FIAT	DUCATO 2.5TD 4X4	90-94	8140.27	1	
FIAT	DUCATO 2.5TD 4X4	86-94	8144.67.220	1	
FIAT	DUCATO 2.5TD 4X4	89-94	8144.21.220	1	
FIAT	DUCATO 2.5TD MAXI	90-94	8140.27	1	
FIAT	DUCATO 2.5TDI	94-	8140.47.2200	1	
FIAT	FIORINO 1.5D	93-		1	
FIAT	FIORINO 1.7D	92-	14682000	1	
FIAT	FIORINO 1.7TDS	97-	14607000	1	
FIAT	MAREA 1.9TD	96-99	182A1000,182A8000	1	
FIAT	MAREA 2.4TD	96-99	185A2000	1	
FIAT	MARENGO 1.9D	90-96	160A7000	1	
FIAT	MARENGO 1.9TD	90-96	180A6000	1	
FIAT	MARENGO 1.9TD	97-00	182A7000,182A8000	1	
FIAT	PALIO 1.7D	97-	176B3000	1	
FIAT	PALIO WEEKEND 70 1.7TD	97-	116A3000	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 VAN 1.7D	94-96	176A3000,176B3000	1	
FIAT	PUNTO VAN 1.7DI	99-	188A3000	1	
FIAT	PUNTO VAN 1.7TDS	94-96	176A5000	1	
FIAT	PUNTO VAN 1.7TDS	97-	176A3000,176B3000	1	
FIAT	SCUDO 1.9D	95-98	D98B	1	
FIAT	SCUDO 1.9TD	95-98	DHX, D8B	1	
FIAT	STRADA 1.7TDS	99-	176A3000	1	
FIAT	TEMPRA 1.9D / TD	90-96	160A6000, 160A6046, 160B6046	1	
FIAT	TEMPRA 1.9JTD	90-96	160A7000	1	
FIAT	TEMPRA 1.9TD	93-96	16001000	1	
FIAT	TIPO 1.7D	88-95	149B4000	1	
FIAT	TIPO 1.9TD	93-96	160D1000,160A6000	1	
FIAT	ULYSSE 1.9TD	94-	XUD9TU	1	
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	
FIAT	SCUDO 1.8D	98-	DW8, DW8B	12	
FIAT	SCUDO 1.8TD	98-	DWTD8	12	
FIAT	BRAVA/BRAVO 1.9JTD	98-99	182B4000	15	
FIAT	BRAVA/BRAVO 1.9JTD	98-00	182B9000	15	
FIAT	BRAVA/BRAVO 1.9JTD	99-	182B4000	15	
FIAT	BRAVA/BRAVO 1.9JTD	99-	AR32302	15	
FIAT	DOBLO 1.9JTD	01-		15	
FIAT	MAREA 1.9JTD	99-	182B4000	15	
FIAT	MAREA 1.9JTD	00-	186A6000	15	
FIAT	MAREA 2.4JTD	99-	185A6000	15	
FIAT	MARENGO 1.9JTD	99-	18284000	15	
FIAT	MULTIPLA 1.9JTD	99-	182B4000	15	
FIAT	MULTIPLA 1.9JTD	00-	1B6A6000	15	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
FIAT	PALIO 1.9JTD	91-		15	
FIAT	PUNTO II 1.9JTD	99-	188A2000	15	
FIAT	STILO 1.9JTD	01-		15	
FIAT	SCUDO 2.0JTD	00-	DW10ATED4, DW8TED	18	
FIAT	SCUDO 2.0JTD	99-	DW10ATED(RHZ)	18	
FIAT	ULYSSE 2.0D	00-	DW10ATED4	18	
FIAT	ULYSSE 2.0JTD	99-	DW10ATED	18	
FIAT	DUCATO 2.3 JTD	02-		Optional	8008-72
FORD	COURIER 1.8D	91-	RTC, RTD	1	
FORD	COURIER 1.8D	91-	RTC, RTD	1	
FORD	ESCORT 1.8D / TD	95-	D18TC / TI, RFK, RVA	1	
FORD	ESCORT 1.8D / TD	88-96	RTF, RTH, RFD, D18TI, D18TC	1	
FORD	ESCORT 1.8D/TD	95-	D18TC/TI, RFK, RVA	1	
FORD	ESCORT 1.8D/TD	88-96	RTF, RTH, RFD, D18TI/TC	1	
FORD	ESCORT 1.8D/TD	88-96		1	
FORD	ESCORT 1.8TDI	96-	D18TDI, RFK	1	
FORD	ESCORT VAN 1.8D / TD	88-96	RTF, RTH, RFD, D18TI, D18TC	1	
FORD	ESCORT VAN 1.8TDi	96-	D18TDi, RFK	1	
FORD	FIESTA 1.8D / 1.8TD	95-	D18NA, RTK, RTJ	1	
FORD	FIESTA 1.8D / TD	89-95	RTC, RTD	1	
FORD	FIESTA 1.8D/TD	96-	D18NA, RTK, RTJ	1	
FORD	FIESTA 1.8D/TD	89-95	RTC, RTD	1	
FORD	FIESTA 1.8DI	98-	RTP (ENDURA)	1	
FORD	FIESTA 1.8DI	98-	RTP (Endura)	1	
FORD	GRANADA 2.50	85-95	STP	1	
FORD	GRANADA 2.5D	85-95	STP	1	
FORD	MONDEO 1.8D / TD	93-96	RFN, RFM	1	
FORD	MONDEO 1.8D/TD	93-96	RFN, RFM	1	
FORD	MONDEO 1.8TDi	96-	D18TI	1	
FORD	MONDEO 1.8TDI	96-	D18TI	1	
FORD	SCORPIO 2.5D	85-94	STR	1	
FORD	SCORPIO 2.5D	85-94	STR	1	
FORD	SCORPIO 2.5TD	93-94	E2D30, WM, 492, SLIRF	1	
FORD	SCORPIO 2.5TD	93-94	E2D30, WM, 492, SLIRF	1	
FORD	ECONOVAN 2.0D	85-92	RF, R2	6	
FORD	ECOVAN 2.0D	85-92	RF, R2	6	
FORD	MAVERICK 2.7TD	93-96	TD27T	6	
FORD	MAVERICK 2.7TD	96-	TD27E	6	
FORD	MAVERICK 2.7TD	93-96	TD27T	6	
FORD	MAVERICK 2.7TD	96-	TD27E	6	
FORD	RANGER 2.5D / TD	99-	MD25NA, MD25TI	6	
FORD	RANGER 2.5D/TD	99-		6	
FORD	GALAXY 1.9TD	95-	1Z, ANU, AHU	12	
FORD	GALAXY 1.9TD	95-	1Z, ANU, AHU	12	
FORD	GALAXY 1.9TDI	95-	AFN, ANU	12	
FORD	GALAXY 1.9TDI	00-	AJM	12	
FORD	GALAXY 1.9TDI	95-	AFN, ANU	12	
FORD	GALAXY 1.9TDI	00-	AJM	12	
FORD	SCORPIO 2.5TD	95-98	SCC, SCD (VM25-TCI)	12	
FORD	SCORPIO 2.5TD	95-98	SCC, SCD (VM25-TCI)	12	
FORD	FIESTA 1.8DI	00-	RTP (ENDURA)	13	
FORD	FIESTA 1.8DI	00-	RTP (Endura)	13	
FORD	FOCUS 1.8DI	99-	BHDA, BHDB	13	
FORD	FOCUS 1.8DI	99-	BHDA, BHDB	13	
FORD	FOCUS 1.8TDI	98-	CD9 ENDURA	13	
FORD	FOCUS 1.8TDI	98-	CD9 (Endura)	13	
FORD	MONDEO 2.0TDCI	00-	D5BA, D6BA	19	
FORD	MONDEO 2.0TDCI	00-	HJBA, HJBB, FMBA	19	
FORD	MONDEO 2.0TDCI	00-	D5BA, D6BA	19	
FORD	MONDEO 2.0TDCI	00-	HJBA, HJBB, FMBA	19	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
FORD	TRANSIT 2.0 TDi	00-	03FA, ABFA, F3FA, F1FA	19	
FORD	TRANSIT 2.4TDI/DI	00-	F4FA, D2FA, D4FA, DOFA	19	
FORD	TRANSIT 2.5TDI	00-	D3FA, ABFA, F3FA, F1FA	19	
FORD	FIESTA 1.4 DURATORQ		DV4TD	21	
FORD	FIESTA 1.4D DURATORQ		DV4TD	21	
FORD	FUSION 1.4DTCI	03-	DV4TD	21	
FORD	FUSION 1.4TDCi	03-	DV4TD	21	
FORD	FUSION C-MAX 1.6TDCI	03-	DV6TED4	21	
FORD	FUSION C-MAX 1.6TDCI	03-	DV6TED4	21	
FORD	FIESTA, FURIO 1.4 TDCI			35	
HONDA	CONCERTO 1.8TD	94-96	XUDTT	1	
HONDA	ACCORD 2.0TDI	96-98	20TN2 L-Serie	12	
HONDA	CIVIC 2.0D	96-	20TN2 L-Serie	12	
HONDA	CIVIC AERODECK 2.0TDI	98-	20TN2 L-Serie	12	
HYUDAI	PORTER (H100) 2.5D	93-	4D56, D4BX, D4BA, D4BB, D4BF	6	
HYUDAI	SATELLIT (H1) 2.5TD	97-	D4BF	6	
HYUDAI	STAREX (H1) 2.5D	97-	D4BB	6	
HYUDAI	STAREX (H1) 2.5TD	97-	D4BF	6	
ISUZU	GEMINI 1.5D	88-93	4EC1	11	
ISUZU	GEMINI 1.5TD	88-93	T4EC1	11	
ISUZU	PICKUP 2.0D	83-93	C190	11	
ISUZU	RODEO 3.1TD	91-		11	
ISUZU	TROOPER 3.1TD	91-		11	
JAGUAR	2.7D	04-		35	
JAGUAR	S-TYPE 2.7D	04-		Optional	8008-52
JEEP	CHEROCKEE 2.1TD	87-95	J8S814	1	
JEEP	CHEROCKEE 2.1TD	88-95	J8S890	1	
JEEP	CHEROCKEE 2.5TD	94-	VM HR425	1	
JEEP	CHEROCKEE 2.5TD	94-	VM HR425 CLIRX	1	
JEEP	COMMANCHE 2.1TD	88-98	J8S814	1	
JEEP	WAGONEER 2.1TD	88-94	J8S814	1	
JEEP	WAGONEER 2.1TD	88-		1	
JEEP	WAGONEER 2.5TD	88-	VM	1	
JEEP	GRAND CHEROKEE 2.5TD	93-99	VM	12	
JEEP	GRAND CHEROKEE 3.1TD	99-		12	
KIA	BESTA 2WD 2.2D	92-02	HW SOHC	6	
KIA	BESTA 2WD 2.7D	90-99	VN OHV	6	
KIA	NITRAMA 2.7D	96-	JZ	6	
KIA	PREGIO 2.7D	96-	JZ	6	
KIA	SPORTAGE 2.0TDI	96-	RF	6	
LADA	COSSACK 1.9D	94-	XUD9L	1	
LADA	HUSSAR 1.9D	94-	XUD9L	1	
LADA	NIVA 1.9D	94-	XUD9L	1	
LADA	SAMARA 1.5D	96-	TUD5L	12	
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 2.4TD	96-98	838A7000	1	
LANCIA	THEMA 2.4TD	93-94	8144	1	
LANCIA	THEMA 2.5TD	88-94	8144.97,Y DEC BOSCH	1	
LANCIA	KAPPA 2.4JTD	99-00	838A8000	15	
LANCIA	KAPPA 2.4JTD	97-99	838A8000, AR34202	15	
LANCIA	LYBRA 1.9JTD	99-	AR32302, AR37101	15	
LANCIA	LYBRA 1.9JTD	98-	932	15	
LANCIA	LYBRA 2.4JTD	99-	839A5000, 839A6000	15	
LANCIA	KAPPA 2.4TD	95-96	838A3000	1	
LAND ROVER	DEFENDER 2.5D	90-		1	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
LAND ROVER	FREELANDER 2.0DTI	97-00	20TCI-E	12	
LAND ROVER	FREELANDER 2.0TDI	00-	M47R (BMW ENGINE)	12	
LAND ROVER	DEFENDER 2.5TD (130)	90-	GEMINI TCI 23L, 11L	16	
LAND ROVER	DISCOVERY 2.5TDI	89-94	GEMINI 12L, 21L	16	
LAND ROVER	DISCOVERY 2.5TDI	93-99	GEMJNI 19L	16	
LDV	200 1.9D	94-96	XUD99	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	PILOT 1.9D	96-	XUD9A	1	
LDV	CUB 2.3D	98-	LD23	6	
MAZDA	121 1.8D	96-	RTJ	1	
MAZDA	323 1.7D	89-96	12V	6	
MAZDA	323 1.7D	91-94	PN2, 26, 54, 62	6	
MAZDA	323 2.0D	97-98	RF1G	6	
MAZDA	626 2.0D	92-95	RF	6	
MAZDA	626 2.0D	92-97	RFH7	6	
MAZDA	626 2.0D	92-97	RFHS	6	
MAZDA	B2200 2.2D	84-96	F2,R2,S2	6	
MAZDA	E2200 2.2D 4WD	84-96	F2,R2,R281,R284, R293, R296	6	
MAZDA	1.4 CD	03-		35	
MERCEDES	208 2.3D	91-95	OM601.940	1	
MERCEDES	210 2.9D	88-95	OM602.940	1	
MERCEDES	290 2.9D GD	93-96	OM602.946	1	
MERCEDES	290 2.9TD GD	92--96	OM602.942	1	
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	
MERCEDES	S350 3.5TD	93-95	OM603.971	1	
MERCEDES	S350 3.5TD	95-96	OM603.971	1	
MERCEDES	SPRINTER 2.3D 208,	94-	OM601.943 308,408	1	
MERCEDES	UNIMOG U100	92-	OM602.941, OM602.948	1	
MERCEDES	UNIMOG U90	92-	OM602.941	1	
MERCEDES	V230 2.3TD	96-99	OM601.970	1	
MERCEDES	VITO 2.3TD 110	96-98	OM601.970	1	
MERCEDES	VITO 2.3D 108	95-	OM601.942	1	
MERCEDES	C200 2.0D	93-95	OM601.913	1	
MERCEDES	E200 2.0D	82-95	OM601.913	1	
MERCEDES	E200 2.0D	93-95	OM601.912	1	
MERCEDES	E250 2.5TD	92-95	OM602.962	1	
MERCEDES	G240 2.5D	90-	OM602	1	
MERCEDES	G290 2.9D	93-	OM602.942, OM602.947, OM602.983	1	
MERCEDES	G300 3.0D	93-	OM603.931	1	
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	
MERCEDES	290 2.9TDI GD	96-	OM602.983	2	
MERCEDES	SPRINTER 2.9D 212	95-	OM602.986	2	
MERCEDES	SPRINTER 2.9TD	95-	OM602.980 312, 412	2	
MERCEDES	SPRINTER 210	97-00	OM602.986 310, 4100	2	
MERCEDES	UNIMOG U100	96-	OM602.981	2	
MERCEDES	UNIMOG U00	96 -	OM60 2 .981	2	
MERCEDES	VARIO 2.9TD 512, 612, 812	96-	OM602.984, OM602.985	2	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
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	C250 2.5D	93-95	OM605.910	2	
MERCEDES	E290 2.9TD	95-	OM602.982	2	
MERCEDES	S300 3.0TD	96-	OM606.961	3	
MERCEDES	C200 2.0D	96-	OM604.915	3	
MERCEDES	C200 2.2D	93-98	OM604.910	3	
MERCEDES	C250 2.5D	94-95	OM605.910	3	
MERCEDES	C250 2.5TD KOMBI	96-00	OM605.960	3	
MERCEDES	E200 2.0D	95-	OM604.917	3	
MERCEDES	E200 2.2D	95. 98	OM604.912	3	
MERCEDES	E250 2.5D	93-	OM605.911	3	
MERCEDES	E250 2.5TD	95-97	OM605.912	3	
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	G300 3.0TD	96-	OM606.946	3	
MERCEDES	200 2.0CDI	98-	OM611.961	16	
MERCEDES	220 2.2CDI	98-	OM611.961	16	
MERCEDES	ML270 2.7CDI	99-	OM612.960	16	
MERCEDES	ML400 4.0CDI	01-	OM628	16	
MERCEDES	S320 CDI	99-	OM613.960	16	
MERCEDES	S400 4.0CDI	00-	OM628.960	16	
MERCEDES	SPRINTER 2.2CDI	03-	OM611.960	16	
MERCEDES	SPRINTER CDI 208	00-	OM611.987 308, 408	16	
MERCEDES	SPRINTER CDI 211, 213, 311, 3	00-	OM611.987	16	
MERCEDES	SPRINTER CDI 216, 316, 416, 6	00-	OM612.981	16	
MERCEDES	SPRINTER 2.7CDI	00-	OM612.	16	
MERCEDES	V200 CDI	99-	OM611.980	16	
MERCEDES	V200 CDI	99-	OM611.980	16	
MERCEDES	VANEO 1.7CDI	02-	OM688	16	
MERCEDES	VITO 22CDI 108, 110, 112	99-	OM611.980	16	
MERCEDES	A160 1.7CDI	98-	OM688.940	16	
MERCEDES	C200 2.1CDI	00-	OM611.962	16	
MERCEDES	C200 2.2D	98-	OM611.962	16	
MERCEDES	C200 22TD	98-	OM611.960	16	
MERCEDES	C270 2.7CDI		OM612.962	16	
MERCEDES	E200 2.1D CDI	95-	OM611 .961	16	
MERCEDES	E220 22TD KOMBI	98-	OM611.961	16	
MERCEDES	E250 2.5CDI	97-	OM605.962	16	
MERCEDES	E270 2.7CDI	99-	OM612.960	16	
MERCEDES	E270 2.7CDI	2	OM646.961	16	
MERCEDES	E290 2.9CDI	96-	OM602.982	16	
MERCEDES	E320 3.2CDI	99-	OM613.961	16	
MERCEDES	G270 2.7CDI	99-	OM612	16	
MERCEDES	A-KLASSE 2.0 CDI	04-		Optional	8008-55
MERCEDES	B-KLASSE 2.0 CDI	05-		Optional	8008-55
MERCEDES	C-KLASSE 3.0 CDI	05-		Optional	8008-55
MERCEDES	CLK 2.2 CLS 3.2E	04-		Optional	8008-55
MERCEDES	GL / M / S 3.0, 4.0	04-		Optional	8008-55
MERCEDES	OM 629, 640, 642, 646			Optional	8008-55
MITSUBISHI	CHARISMA 1.9 TD	96-	F8QT	1	
MITSUBISHI	CHALLENGER 2.5D	98-	4D56T	6	
MITSUBISHI	GALANT 2.0TDI	92-97	4D68	6	
MITSUBISHI	SPACEWAGON 1.BDITD	83-98	4D65	6	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
mitsubishi	CANTER 2.50	86-96	4D56	6	
mitsubishi	GALANT 1.80 TD	88-92	4D65	6	
mitsubishi	GALANT 2.0TD	96-	4D68	6	
mitsubishi	L200 2.50	94-96	4D56SOHC	6	
mitsubishi	L200 2.50	93-94	4056SOHC	6	
mitsubishi	L200 25TD	92-	4D56	6	
mitsubishi	L300 2.5D	86-96	4D56	6	
mitsubishi	L300 2.5D / TD	87-96	4D56 SOHC	6	
mitsubishi	L400 2.5TD	94-	4D56	6	
mitsubishi	LANCER 2.0D	88-97	4D68	6	
mitsubishi	PAJERO 2.5TDI/COOL	93-98	4D56	6	
mitsubishi	PAJERO 2.5TDI/COOL	93-99	4D56	6	
mitsubishi	SPACEGEAR 2.5TDI 4WD	94-	4D56	6	
mitsubishi	SPACERUNNER 2.0TD	91-99	4D68	6	
mitsubishi	SPACEWAGON 2.0DT	91-98	4D68	6	
mitsubishi	PAJERO 3.2TDI/COOL	00-	4M41	8	
mitsubishi	SPACESTAR 1.9D	00-	F9Q1	12	
mitsubishi	GRANDIS 2.0 DI-D	05-		Optional	8008-70
NISSAN	PATROL 2.8D	89-97	RD28	1	
NISSAN	CABSTAR 2.3TD	82	TD23	6	
NISSAN	CABSTAR 2.5TD	82-97		6	
NISSAN	CABSTAR 2.7TD	82		6	
NISSAN	KING CAB 2.5D	93	TD25	6	
NISSAN	KING CAB 2.5TD	98	TD25	6	
NISSAN	KING CAB 2.5TDI	98	TD25TI	6	
NISSAN	PATHFINDER 2.7D	93	TD27	6	
NISSAN	PATHFINDER 2.7TD	93	TD27ET	6	
NISSAN	PATROL 2.7TD	93	TD27	6	
NISSAN	PATROL 4.2D	93-	TD42, VIZ	6	
NISSAN	PICKUP 2.50	93-98	TD25	6	
NISSAN	PICKUP 2.5TD	87-98	TD25	6	
NISSAN	SERENA 2.0D	92-94	LD20	6	
NISSAN	SERENA 2.3D	94-	LD23 OHC	6	
NISSAN	TERRANO II 2.7D	93-96	TD25, TD27	6	
NISSAN	TERRANO II 2.7TD	93-96	TD27T OHV	6	
NISSAN	TRADE 2.3D	97-	LD23	6	
NISSAN	TRADE 2.5D	97-	LD23	6	
NISSAN	URVAN 2.0D	82-94	(E20, E23, E24) LD20T	6	
NISSAN	URVAN 2.5D	93-96	TD25 OHV	6	
NISSAN	URVAN 2.7TD	82-	TD27	6	
NISSAN	VANETTE 2.3D	94-	LD23	6	
NISSAN	ALMERA 2.0D	95-96	CD20	7	
NISSAN	PRIMERA 2.0D	91-96	CD20	7	
NISSAN	ALMERA 2.2DT	0	YD22T	8	
NISSAN	PRIMERA 2.2DT	00-	YD22T	8	
NISSAN	MICRA 1.5TD	2	K9K	12	
NISSAN	MICRA 1.5D	98	TUD5, TUD15	16	
OPEL	ASTRA 1.7DTL	91-98	X17 DTL	1	
OPEL	ASTRA 1.7TD	91-98	17DT	1	
OPEL	FRONTERA A 2.3TD	92-95	DTROHC	1	
OPEL	MOVANO 2.5 DTI	98-	SSU-772	1	
OPEL	MOVANO 2.8 DTI	98-	S9W	1	
OPEL	OMEGA B 2.5TD	94-	U25TD (BMW)	1	
OPEL	ARENA 2.5D	98-	S8U-758	1	
OPEL	ASTRA 1.7D	91-94	17D	1	
OPEL	ASTRA 1.7TD	00-	Y17	9	
OPEL	ASTRA 1.7TD	94-98	TC4EC1	11	
OPEL	ASTRA 1.7TD	91-96	TC4EE1	11	
OPEL	ASTRA 1.7DTL	96-98	X17DT (TC4EE1)	11	
OPEL	CAMPO 2.2D PICK-UP	91-97	4FD1	11	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
OPEL	CAMPO 3.1D PICK-UP	97-	4JG2	11	
OPEL	CAMPO 3.1TD PICK-UP	95-97	4JG2T	11	
OPEL	COMBO 1.7D	94-	17D	11	
OPEL	COMBO 1.7D	96-	X17D	11	
OPEL	CORSA B 1.5D VAN	93-00	15D 4EC1	11	
OPEL	CORSA B 1.5TD	93-00	15TD	11	
OPEL	CORSA B 1.7D	93-00	17D	11	
OPEL	CORSA B 1.7D	96-00	X17D	11	
OPEL	MONTEREY B 3.0TD	97-	30TD (4JX1)	11	
OPEL	MONTEREY B 3.1TD	91-	4JG2T	11	
OPEL	VECTRA A 1.7TD	90-95	TC4EC1	11	
OPEL	VECTRA B 1.7TD	95-	X17TD(TC4EE1)	11	
OPEL	FRONTERA A 2.5TDI	96-98	TDSOHC	12	
OPEL	MOVANO 1.9 DTI	99-	F9Q-770	12	
OPEL	ARENA 1.9D	98-	F8Q-606	13	
OPEL	ASTRA 2.0DI	98-	X20DILC	16	
OPEL	ASTRA 2.0DTH	00-	Y20DTH	16	
OPEL	ASTRA 2.0DTI	99-00	Y20DTH	16	
OPEL	ASTRA 2.0DTL	00-	Y20Dni	16	
OPEL	ASTRA 2.0DTL	98-00	X20DTL	16	
OPEL	FRONTERA B 2.0DTI	97-00	X20DTH	16	
OPEL	FRONTERA B 2.2DTI	97-	X2200TH	16	
OPEL	FRONTERA B 2.2DTI	00-	Y22DTH	16	
OPEL	OMEGA B 2.0DI	96-97	X20DILC	16	
OPEL	OMEGA B 2.0DI	97-	X20DILC	16	
OPEL	OMEGA B 2.0DTH	97-00	X20DTH	16	
OPEL	OMEGA B 2.2DTI	00-	Y22DTH	16	
OPEL	OMEGA C 2.2DTI	00-	Y22DTH	16	
OPEL	SINTR A 2.2TDI	98-	X22DTH	16	
OPEL	VECTRA B 2.0DTH	96-00	X20DTH	16	
OPEL	VECTRA 2.0DI	96-97	X20DILC	16	
OPEL	VECTRA 2.0DTL, DI	97-00	X20DILC	16	
OPEL	VECTRA 2.0DTI	00-	X20DTH	16	
OPEL	VECTRA 2.2DTI	00-	Y20DTR	16	
OPEL	ZAFIRA 2.0DI	99-	X20DILC	16	
OPEL	ZAFIRA 2.0DTH	00-	Y20DTH	16	
OPEL	ZAFIRA 2.0DTL	99-00	X20DTL	16	
OPEL	ZAFIRA 2.2DTI	99-	X20DTL	16	
OPEL	CORSA 1.3CDTI	04-		21	
PEUGEOT	806 1.9TD	94-98	XU09TE	1	
PEUGEOT	806 2.1TD	98-	XUD11ATE, BTE	1	
PEUGEOT	806 2.1TD	95-98	XUD11ATE, XUD11BTE	1	
PEUGEOT	BOXER 1.8D	98-	XUD7	1	
PEUGEOT	BOXER 1.8D	95-98	XUD7	1	
PEUGEOT	BOXER 1.9D	98-	XU09, XUD9AU	1	
PEUGEOT	BOXER 1.9D	94-95	XU09, DJY098	1	
PEUGEOT	BOXER 1.9D	95-98	XU09, DJY098	1	
PEUGEOT	BOXER 1.9TD	98-	XUD9TE, XUD9UTF	1	
PEUGEOT	BOXER 1.9TD	94-98	XUD9TE, XUD9TFU	1	
PEUGEOT	BOXER 2.5D	98-	DJ5	1	
PEUGEOT	BOXER 2.5D	94-98	DJ5	1	
PEUGEOT	BOXER 2.5D	98-	DJST	1	
PEUGEOT	BOXER, 2 5TDI	94-98	DJ5T	1	
PEUGEOT	BOXER 2.8JTD	97-		1	
PEUGEOT	EXPERT 1.9D	98-	XUD9A, XUD9L	1	
PEUGEOT	EXPERT 1.9D	95-98	XU09A, XUD9L	1	
PEUGEOT	EXPERT 1.9TD	98-	XUD9TE	1	
PEUGEOT	EXPERT 1.9TD	95-98	XUD9TE	1	
PEUGEOT	EXPRESS 1.9D	87-94	XUD9	1	
PEUGEOT	J5 1.9D	87-94	XUD9A	1	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
PEUGEOT	J5 2.5D	91-94	CRD93	1	
PEUGEOT	J5 2.5D	94-	DJS	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	PANCH 1.9D	97-98	XUD9A	1	
PEUGEOT	106 1.4D, 1.4TD	92-96	TUD3 (K9Y)	1	
PEUGEOT	205 1.8D	83-97	XUD7, A9A, 161A, R171	1	
PEUGEOT	205 1.5TD	85-97	XUD7T	1	
PEUGEOT	205 1.9D	87-94	1.9D	1	
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 1.9TD	98-	XUD9TE	1	
PEUGEOT	306 1.9TD	93-98	XUD9TE	1	
PEUGEOT	309 1.7D	86-93	XUD7, A9A, 161A	1	
PEUGEOT	309 1.7TD	86-93	XUD7DT, A8A, A8B	1	
PEUGEOT	309 1.9D	86-93	XUD9Y, XU09, 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 2.1TD	98-99	XUD11BTE	1	
PEUGEOT	406 2.1TD	95-98	XUD11BTE	1	
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	806 1.9TD	98-	XUD9TE	1	
PEUGEOT	EXPERT 1.8D	98-	DW8	12	
PEUGEOT	PARTNER 1.9D	98-	DW8, DW8B	12	
PEUGEOT	PANCH 1.9D	98-	DW8	12	
PEUGEOT	106 1.5D	94-	TUD5, TUD58	12	
PEUGEOT	206 1.9D	98-	DW8, DW8B	12	
PEUGEOT	306 1.9D	98-01	DW8, DW8B	12	
PEUGEOT	309 1.5D	94-	TUD5	12	
PEUGEOT	BOXER 2.5DTI	96-	DJ5TED	16	
PEUGEOT	806 2.0HDI	98-	DW10TED4	18	
PEUGEOT	807 2.0HDI	02-	DW10TED	18	
PEUGEOT	807 2.2HDI	02-	DW12TED4	18	
PEUGEOT	BOXER 2.0HDI	98-	DW10TD	18	
PEUGEOT	EXPERT 2.0HDI	99-	DW10TD, DW10BTED	18	
PEUGEOT	EXPERT 2.0HDI	00-	DW10ATED (RHX.RHZ)	18	
PEUGEOT	PARTNER 2.0HDI	99-	DW10TD	18	
PEUGEOT	206 2.0HDI	99-	DW10, DW10TD	18	
PEUGEOT	306 2.0HDI	98-01	DW10, DW10TD	18	
PEUGEOT	307 2.0HDI	01-	DW10, DW10TD	18	
PEUGEOT	406 2.0HDI	98-	DW10, DW10ATED	18	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
PEUGEOT	406 2.0HDi	99-	DW10TD	18	
PEUGEOT	406 2.2HDi	00-	DW12TED, DW12TE04	18	
PEUGEOT	607 2.0HDI	00-	DW10ATED	18	
PEUGEOT	607 2.2HDi	00-	DW12ATED4	18	
PEUGEOT	206 1.4D	03-	DV4TD	21	
PEUGEOT	307 1.4HDi	03-	DV4TD	21	
PEUGEOT	307 1.6HDi	03-	DV6TED4	21	
PEUGEOT	1.6, 1.8, 1.9	98-		35	
PEUGEOT	607 2.7 HDI 24V	04-	DT17ED4	Optional	8008-52
RANGE	ROVER 2.5TDS	94-	M51, D25	1	
RANGE	ROVER 2.5TD	89-94	VM	1	
RANGE	ROVER 2.5D	89-	GEMINI	16	
RANGE	ROVER 2.5TDI	94-97	GEMINI 200, 300TDI, ETC9091N	16	
RANGE	ROVER 3.0TDI	02-	M57, D30	16	
RENAULT	MEGANE SCENIC 1.9D	96-99	F8Q-620, 624	1	
RENAULT	RAPID 1.9D	91-95	F8Q-640,644,646,678	1	
RENAULT	RAPID 1.9D	96-	F8Q-722,7 24,774,n 6	1	
RENAULT	RAPID 1.9D	94-	F8Q-640	1	
RENAULT	SAFRANE 2.1TD	92-96	JSS-760	1	
RENAULT	SAFRANE 2.5TD	93-96	SUS-762,763	1	
RENAULT	TRAFIC 2.1D	80-97	JSS-620,622,758	1	
RENAULT	TRAFIC 2.5D	89-99	SSU-758,780,782	1	
RENAULT	TRAFIC 2.5D	90-97	8140.67.2500	1	
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-	JBS-704,714	1	
RENAULT	5 1.6D	84-94	FBM-720,730	1	
RENAULT	CLIO 1.9D	91-98	F8Q-672, 676, 678, 692, 696	1	
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	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	MASTER 2.1D	80-95	J8S-330	1	
RENAULT	MASTER 2.1D	95-98	JBS	1	
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	MASTER 1.9D	96-99	F8Q-620, 624	1	
RENAULT	MEGANE SCENIC 1.9DCI	99	F9Q-731, 732, 736, 740	12	
RENAULT	MEGANE SCENIC 1.90Ti	99	F9Q-731, 732, 736, 740	12	
RENAULT	SAFRANE 2.2TD	96-	G8T-740(RTE,RXE,RXT)	12	
RENAULT	CLIO II 1.5D	01-	K9K-70	12	
RENAULT	CLIO II 1.5DCi	01-	K9K65, K9K80	12	
RENAULT	CLIO II 1.9DTI	99-	F9Q-780	12	
RENAULT	ESPACE III 1.9DTI	99-	F9Q-722, 716, 720	12	
RENAULT	ESPACE III 2.2TD	96-00	G8T-714, 716	12	
RENAULT	KANGOO 1.5DCI	01-	K9K65, K9K80	12	
RENAULT	KANGOO 1.9DTI	99-	F9Q-780	12	
RENAULT	LAGUNA 1.9DCI	99-	F9Q-718	12	
RENAULT	LAGUNA 1.9DTI	96-98	F9Q-716	12	
RENAULT	LAGUNA 1.9DTI	99-	F9Q-710, 717, 718	12	
RENAULT	LAGUNA 2.2D	96-98	G8T-706, 752, 790, 792, 794	12	
RENAULT	LAGUNA 2.2TD	96-98	G8T-760	12	
RENAULT	LAGUNA II 1.9DCi	01-	F9Q-750, 751, 752, 754	12	
RENAULT	LAGUNA II 2.2DCI	01-	G9T	12	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
RENAULT	MASTER 1.9DTi	99-	F9Q-770	12	
RENAULT	MASTER 1.5DCI	02-	K9K	12	
RENAULT	MASTER 1.9DTI	96-98	F9Q-734, F8Q-748	12	
RENAULT	MASTER 1.9DTI	99-	F9Q-731, 732, 736, 740	12	
RENAULT	MEGANE SCENIC 1.9D	96-	F8Q-788	13	
RENAULT	TRAFIC 1.9D	98-	FSQ-600,F8Q,M6	13	
RENAULT	CLIO II 1.9D	98-	F8Q-630, 662	13	
RENAULT	KANGOO 1.9D	98-	F8Q-662, F8Q630	13	
RENAULT	KANGOO 1.9D	99-	F8Q-632	13	
RENAULT	MASTER 1.9D	98-	F8Q-788	13	
RENAULT	ESPACE III 2.2DCI	00-	G9T-710	20	
RENAULT	MASTER 2.2DCI	00-	G9T-720	20	
RENAULT	AVANTIME, MASTER DCI 2.2	00-		35	
ROVER	114 1.4D	92-	TUD3	1	
ROVER	218 1.8TD	91-95	XUD7TE	1	
ROVER	216 1.9D	91-	XUD9A	1	
ROVER	218 1.9SD	91-	XUD9	1	
ROVER	416 1.5TD	91-	XUD7TE	1	
ROVER	418 1.9D	91-	XUD9A	1	
ROVER	825 2.5D	91-95	HR492,425	1	
ROVER	825 2.5TD	91-96	VM425 SURA	1	
ROVER	METRO 1.4D	92-95	TUD3	1	
ROVER	115 1.5D	95-97	TUD5	12	
ROVER	220 2.0SD	96-	20T2RN	12	
ROVER	220 2.0TDI	96-	20T2N	12	
ROVER	25 2.0TD	00-	20T2R	12	
ROVER	420 2.0TD/Sdl	95-	20T2N	12	
ROVER	420 2.0TDI	96-	20T2R	12	
ROVER	45 2.0TD	00-	20T2R	12	
ROVER	620 2.0D	95-99	20T2R	12	
ROVER	75 2.0CDT	99-	M47BMW	12	
ROVER	825 2.5TD	96 99	VM425	12	
SAAB	9-3 2.2DTI	98-	D223L, X22DTH	16	
SEAT	CORDOBA 1.9D	93-	1Y,AEF	1	
SEAT	CORDOBA 1.9RTD	94-	AAZ	1	
SEAT	IBIZA 1.9D	93-96	1Y	1	
SEAT	IBIZA 1.9TD	93-	AAZ	1	
SEAT	INCA 1.9D	95-	1Y	1	
SEAT	INCA VAN 1.9D	96-	1Y, AEY	1	
SEAT	TERRA 1.3D	90-		1	
SEAT	TERRA 1.4D	90-	1W	1	
SEAT	TOLEDO 1.9D	91-98	1Y	1	
SEAT	TOLEDO 1.9TD	91-97	AAZ	1	
SEAT	ALHAMBRA 1.9TDI	96-01	1Z, AFN, AHU	12	
SEAT	ALHAMBRA 1.9TDI PD	02-	ASZ	12	
SEAT	ALHAMBRA 1.9TDI 4-MOTION	00-	AIN	12	
SEAT	AROSA 1.4TDI	99-	AMF	12	
SEAT	AROSA 1.7Di	97-	AKU	12	
SEAT	CORDOBA 1.7SDI	97-99		12	
SEAT	CORDOBA 1.9SDI	93-99	AEY	12	
SEAT	CORDOBA 1.9TDI	96-00	1Z, AHU, AFN	12	
SEAT	CORDOBA VARIO 1.9SDI	97-	AEY	12	
SEAT	CORDOBA VARIO 1.9SDI	99-	AGP, AQM	12	
SEAT	CORDOBA VARIO 1.9TDi	97-	AHU, AGR, ALH	12	
SEAT	CORDOBA VARIO 1.9TDI	99-	ASV	12	
SEAT	IBIZA 1.9SDI	93-99	AEY	12	
SEAT	IBIZA 1.9TDI	96-	1Z, AHU, AFN, AGR, ALH	12	
SEAT	INCA 1.9SDI	95-	AEY	12	
SEAT	INCA 1.9TDi	96-	AHU	12	
SEAT	LEON 1.9SDI	99-	AQM	12	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
SEAT	LEON 1.9TDI	01-	ARL	12	
SEAT	LEON 1.9TDI	99-	AGR, ALH, AHF	12	
SEAT	TOLEDO 1.9SDI	95-98	AEY	12	
SEAT	TOLEDO 1.9TDI	96-98	1Z, AFN	12	
SEAT	TOLEDO 1.9TDI	97-	AGR, AHU, ALH	12	
SEAT	TOLEDO 1.9TDI	98-	AHF, ASV	12	
SEAT	TOLEDO 1.9TDI	01-	ARL	12	
SEAT	2.0 TDI / PD	03-	BKB, BKD, AZV, BMN, BKP, BMR	Optional	8008-70
SKODA	FELICIA 1.9D	96-	AEF, EHH, 1Y	1	
SKODA	FELICIA VAN 1.90	98-	AEF, EHH	1	
SKODA	OCTAVIA 1.9D	96-		1	
SKODA	FABIA 1.9DI	99-	AGP	12	
SKODA	FABIA 1.9SDI	99-	ASY	12	
SKODA	FABIA 1.9TDI	99-	ATD	12	
SKODA	OCTAVIA 1.9SDI	97-	AGP, AQM	12	
SKODA	OCTAVIA 1.9TDI	00 -	AGR, AHF, ALH, ASV, ATD	12	
SKODA	OCTAVIA 1.9TDI	96-00	1Z	12	
SKODA	OCTAVIA 1.9PD	00-	ATD	12	
SKODA	2.0 TDI / PD	03-	BKB, BKD, AZV, BMN, BKP, BMR	Optional	8008-70
SMART	FOR FOUR 1.5 CDI	04-		Optional	8008-56
SUZUKI	BALENO 1.9TD	99-	XUD9	1	
SUZUKI	VITARA 1.9TD	93-	XUD9	1	
SUZUKI	VITARA 2.0TD	95-	ET, FT, GT, TA, RF	6	
SUZUKI	GRAND VITARA 2.0TDi (HDI)	00-	DW10	18	
TOYOTA	COROLLA 2.0D	97-	2CES	4	
TOYOTA	DYNA 3.0D 24V	93-	B, 11B	4	
TOYOTA	DYNA 3.0D 12V	93-	B, 11B	4	
TOYOTA	DYNA 3.7D 24V	93-	14B	4	
TOYOTA	DYNA 3.7D 12V	93-	14B	4	
TOYOTA	HI-ACE 3.0D 24V	93-	B, 11B	4	
TOYOTA	HI-ACE 3.0D 12V	93-	B, 11B	4	
TOYOTA	HI-ACE 3.7D 24V	93-	14B	4	
TOYOTA	HI-ACE 3.7D 12V	93-	14B	4	
TOYOTA	LAND CRUISER 4.2D	90-99	1HZ OHC	4	
TOYOTA	LAND CRUISER 4.2D	90-98	1HZ OHC	4	
TOYOTA	LAND CRUISER 4.2TD	90-95	1HDT OHC	4	
TOYOTA	LITE ACE 2.0D 12V	85-95	2C-II	4	
TOYOTA	AVENSIS 2.0TDI	97-00	2CT, 2CTE	4	
TOYOTA	CARINA E 2.0D	92-97	2C	4	
TOYOTA	CARINA E 2.0TD	96-97	2CT	4	
TOYOTA	COROLLA 1.8D	87-	1C	4	
TOYOTA	COROLLA 2.0D	92-97	2C, 2CU	4	
TOYOTA	DYNA 100 2.50	88-95	2L OHC	5	
TOYOTA	DYNA 150 2.80	88-	3L OHC	5	
TOYOTA	HI-ACE 2.4D	89-95	2L	5	
TOYOTA	HI-ACE 2.5D	84-95	2L	5	
TOYOTA	HI-ACE 2.5TD	95-	2LT	5	
TOYOTA	HI-LUX 2.4D	88-97	2L	5	
TOYOTA	HI-LUX 2.4TD	90-95	2LT	5	
TOYOTA	HI-LUX 2.4TD	90-95	2LT	5	
TOYOTA	HI-LUX 2.4TD TARO	89-97	2L	5	
TOYOTA	HI-LUX 2.4TD TARO	89-97	2L	5	
TOYOTA	LAND CRUISER 2.5D	90-	2L-TE	5	
TOYOTA	LAND CRUISER 2.5TD	88-93	2LT	5	
TOYOTA	LANO CRUISER 2.8D	93-	3L	5	
TOYOTA	STARLET 1.5D	89-	1N	5	
TOYOTA	4RUNNER 2.4TD	90-95	2LT	5	
TOYOTA	4RUNNER 2.5D	93-95	2LT	5	
TOYOTA	4RUNNER 2.8D	93-	3L	5	
TOYOTA	COROLLA 2.0TD	00-	1CDFTV (D-4D)	10	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
TOYOTA	PREVIA 2.0TD	99-	1CDFTV (D-4D)	10	
TOYOTA	RAV-4 2.0TD	99-	1CDFTV (D-4D)	10	
TOYOTA	AVENSIS 2.0TDI	99-	1CDFTV (D-40)	10	
VAUXHALL	ARENA 2.5TD	98-	S8U-780	1	
VAUXHALL	ARENA 2.5DT	98-99	S8U-758, SBU-782	1	
VAUXHALL	ASTRA 1.7D	91-	17D,17DR	1	
VAUXHALL	ASTRA 1.7TD	98-	X17DTL	1	
VAUXHALL	ASTRA VAN 1.7D	88-94	17D, 17DR	1	
VAUXHALL	ASTRA VAN 1.7TD	94-	X17DTL	1	
VAUXHALL	CAVALIER 1.7D	88-95	17D	1	
VAUXHALL	FRONTERA 2.3D	91-95	23DTR	1	
VAUXHALL	MOVANO 2.5D	98-	S8U-772	1	
VAUXHALL	MOVANO 2.5DTi	99-	S8U-772	1	
VAUXHALL	MOVANO 2.8DTi	98-	S9W	1	
VAUXHALL	OMEGA 2.5TD	94-	BMW 2.5	1	
VAUXHALL	ASTRA 1.7TD		Y17 ENGINE	9	
VAUXHALL	ASTRA 1.7TD	90-91	17DT, TC4EE1 (ISUZU)	11	
VAUXHALL	BRAVA 2.2D	90-96	4FD1	11	
VAUXHALL	BRAVA 2.3D	88-96		11	
VAUXHALL	BRAVA 3.1TD	95-	4JG2T	11	
VAUXHALL	CAVALIER 1.7TD	90-95	17DT, TC4EE1	11	
VAUXHALL	COMBO 1.7D	94-	17D, X17D	11	
VAUXHALL	CORSA 1.5D	93-	15D, 4EC1	11	
VAUXHALL	CORSA 1.5TD	88-93	15TD, T4EC1 OHC	11	
VAUXHALL	CORSA 1.5XD	96--00	X15D, 4EC1 OHC	11	
VAUXHALL	CORSA 1.5XTD	96--00	X15TD, 4EE1 OHC	11	
VAUXHALL	CORSA 1.7D	93-00	X17D . 4EE1 OHC	11	
VAUXHALL	CORSA VAN 1.7D	93-	17D, X17D	11	
VAUXHALL	MIDI 2.0TD	84-94		11	
VAUXHALL	MIDI 2.2D	88-94		11	
VAUXHALL	MONTEREY 3.1TD	94-	4JG2TC	11	
VAUXHALL	NOVA 1.5D	87-93	4EC1 (15D) 8047 495	11	
VAUXHALL	NOVA 1.5TD	89-93	T4EC1 (15TD)	11	
VAUXHALL	NOVA 1.5TD	88-93	T4EC1 (15TD) TO 804794	11	
VAUXHALL	VECTRA 1.7TD	95-96	X17DT	11	
VAUXHALL	FRONTERA 2.5TD	96-98	25TD, VENTURI-25TD, TDS	12	
VAUXHALL	MOVANO 1.9DTi	99-	F9Q-770	12	
VAUXHALL	VIVARO 1.9DTi	99-	F9Q-770	12	
VAUXHALL	ARENA 1.9D	98-99	F8Q600, F8Q-606	13	
VAUXHALL	ASTRA 2.0TDi	97-98	X200	16	
VAUXHALL	ASTRA 2.0TDi	98-	X20DTL	16	
VAUXHALL	ASTRA 2.0TDi	97-98	X20D, Y20DTL, Y20DTH	16	
VAUXHALL	ASTRA 2.2DTi	00-	Y22DTR	16	
VAUXHALL	FRONTERA 2.2DTi	98-	X22DTH	16	
VAUXHALL	FRONTERA 2.2DTi	00-	Y22DTH	16	
VAUXHALL	OMEGA 2.0TDI (DTH)	98-	X20DTH	16	
VAUXHALL	OMEGA 2.2TDi	00-	Y22DTH	16	
VAUXHALL	SINTRA 2.2DTi	98-99	X22DTH	16	
VAUXHALL	VECTRA 2.0DTi	98-	X20DTH	16	
VAUXHALL	VECTRA 2.0DTi	99-	X20DTH	16	
VAUXHALL	VECTRA 2.0TDi	96-00	X20DTL	16	
VAUXHALL	VECTRA 2.2DTi	00-	Y22DTR	16	
VAUXHALL	ZAFIRA 2.0DTi	99-	X20DTL, Y20DTH	16	
VAUXHALL	ZAFIRA 2.2DTi	99-	X22DTL	16	
VAUXHALL	CORSA 1.3CDTi	04-		21	
VOLVO	S60, S80, V 70 LL	01-	D5244 T / T2	Optional	8008-52
VOLVO	440, 460 1.9TD	93-96	F8Q	1	
VOLVO	850 2.5TDi	95-98	D5252T (D24TIC)	12	
VOLVO	940, 960 2.4TDI	94-97	D24TIC	1	
VOLVO	S40 1.9TD,1.9TDI	96-	D4192T (F8QT)	1	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
VOLVO	S40 1.9DCI	00-	F9Q	12	
VOLVO	S60 2.5TDi	01-	D5252T	12	
VOLVO	S70 2.5TDI	96-00	D5252T	12	
VOLVO	S80 2.5TDi	98-	D5252T	12	
VOLVO	V40 1.9TD	96-	F8Q (D4192T)	1	
VOLVO	V40 1.9DCI	00-	F9Q	12	
VOLVO	V70 2.5TDI	96-	D5252T	12	
VW	CADDY 1.6D	90-	ME, JK	1	
VW	CADDY 1.9D	96-	1X, 1Y, AEF	1	
VW	CARAVELLE 1.9D	90-96	1X	1	
VW	CARAVELLE 2.4D	90-95	AAB, AJA	1	
VW	GOLF MK3 1.9D	91-97	1Y	1	
VW	GOLF MK3 1.9TD	91-97	AAZ	1	
VW	GOLF MK4 1.9D	97-99	1Y	1	
VW	GOLF MK4 1.9	97-99	AAZ	1	
VW	LT28 2.4TDI	92-96	ACL	1	
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	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	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	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	
VW	BEETLE 1.9TDI	98-00	ALH, AGR	12	
VW	BEETLE 1.9TDI	00-	ATD	12	
VW	BORA 1.9SDI	98-	AGP, AQM	12	
VW	BORA 1.9TDi	98-	AHF, AHL, AJM	12	
VW	BORA 1.9TDI PD	00-	ATU, ARL, ANU	12	
VW	CADDY 1.7SDi	96-	AHB	12	
VW	CADDY 1.9SDi	96-	AEY	12	
VW	CADDY 1.9TDi	96-	AHU, ALE	12	
VW	CARAVELLE 2.5TDI	95-	ACV	12	
VW	GOLF MK3 1.9SDI	93-99	AEY	12	
VW	GOLF MK3 1.9TDi	91-96	1Z, ALE	12	
VW	GOLF MK3 1.9TDi	93-99	AFN	12	
VW	GOLF MK4 1.9SDI	98-	AGP, AEY	12	
VW	GOLF MK4 1.9IDi	97.99	AFN	12	
VW	GOLF MK4 1.9TDI	97.	AGR, AHF	12	
VW	GOLF MK4 1.9TDi CABRIO	98-	AHU, ALH	12	
VW	GOLF MK4 1.9TDi PD	98-01	AJM	12	
VW	GOLF MK4 1.9TDi PD	00-	ATD.ARL.ASZ	12	
VW	LT28 2.5SDI	96-	AGX	12	
VW	LT28 2.5TDI	96-	AHD	12	
VW	LT28 2.5TDI	99-	APA	12	
VW	LT28 2.5TDI	99-	ANJ	12	
VW	LT28 2.8TDI	96-	AGK	12	
VW	LT35 2.5SDI	96-	AGX	12	
VW	LT35 2.5DI	96-	AHD	12	
VW	LT35 2.5TDI	99-	APA	12	
VW	LT35 2.5TDI	99-	ANJ	12	
VW	LT35 2.8TDI	96-	AGK	12	

Manufacturer	Model	Year	Engine code	Adapter	Optional
Hersteller	Modell	Jahr	Motorcode	Adapter	Optional
VW	LT46 2.5SDi	96-	AGX	12	
VW	LT46 2.5TD	96-	AHD	12	
VW	LT46 2.5TDI	99.	APA	12	
VW	LT46 2.5TDI	99-	ANJ	12	
VW	LUPO 1.2TDI	99-	ANY, AYZ	12	
VW	LUPO 1.4TDI	99-	AMF	12	
VW	LUPO 1.7SDI	98-	AKU	12	
VW	2.0 TDI / PD	03-	BKB, BKD, AZV, BMN, BKP, BMR	Optional	8008-70
VW	MULTIVAN 2.5TDI	03-	AJT	12	
VW	MULTIVAN 2.5TDI	03-	ACV	12	
VW	PASSAT 1.9TD	90-96	AAZ	1	
VW	PASSAT 1.9TDi	90-00	12.AFN.AHU.AHH	12	
VW	PASSAT 1.9TDI	01-	AVB, ATJ, AVF, AVG, AJM	12	
VW	PASSAT 2.5TDi V6	98-	AFB, AKN	17	
VW	POLO 1.3D	90-94	1W, MN	1	
VW	POLO 1.4TDi	99	AMF	12	
VW	POLO 1.7SDI	97-	AHG, AKU, AKW	12	
VW	POLO /CLASSIC 1.9D	95-	AEF	1	
VW	POLO 1.9SDi	99-	AQM	12	
VW	POLO /CLASSIC 1.9SDi	96-	AGD	12	
VW	POLO 1.9TDi	98-	AFN	12	
VW	POLO / CLASSIC 1.9TDi	96-	AHU, AFN, ALE	12	
VW	POLO 1.9TDI	99-	ALH, AGR	12	
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	12	
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	12	
VW	TOURAEQ 5.0 TDI	03-	AYH	12	
VW	TOURAN 1.9TDI	03-		12	
VW	VENTO 1.9D	91-98	1Y	1	
VW	VENTO 1.9SDI	95-97	AEY	12	
VW	VENTO 1.9TD	91-98	AAZ	1	
VW	VENTO 1.9TDI	96	12	12	
VW	VENTO 1.9TDI	96-98	AHU,AFN	12	
VW	POLO 1.4D	90-94	1W	1	