

Technical data:

4-cycle
 Operation gasoline injection
 Max. engine output
 acc. to DIN 130 kW/177 PS
 acc. to SAE 168 net bhp
 Max. torque
 acc. to DIN 234 Nm/23.6 mkg
 acc. to SAE 168 net lb-ft
 Number of cylinders 6
 Bore/stroke 88/78.8 mm
 Total piston displacement 2746 cm³

1 Camshaft sprocket
 2 Duplex roller chain
 3 Oil filter cap
 4 Camshaft bearing
 5 Intake valve
 6 Camshaft (Intake valve)
 7 Fuel metering device
 8 Spark plug
 9 Cylinder head cover
 10 Intake pipe

11 Fuel pressure line
 12 Injection valve
 13 Cylinder head
 14 Oil-return line
 15 Piston
 16 Connecting rod
 17 Flywheel
 18 Intermediate flange
 19 Crankshaft
 20 Crankshaft bearing

21 Oil pan, upper section
 22 Oil drain plug
 23 Oil pump
 24 Vibration damper
 25 Water pump
 26 Magnetic fan coupling
 27 Cooling water thermostat
 28 Camshaft housing
 29 Ball pin
 30 Ignition lines

31 Nozzle (crankcase ventil.)
 32 Intake muffler
 33 Filter element
 34 Breather line
 35 Baffle plate
 36 Air flow sensor
 37 Venturi
 38 Electric starter valve
 39 Idle adjustment screw
 40 Drive shaft

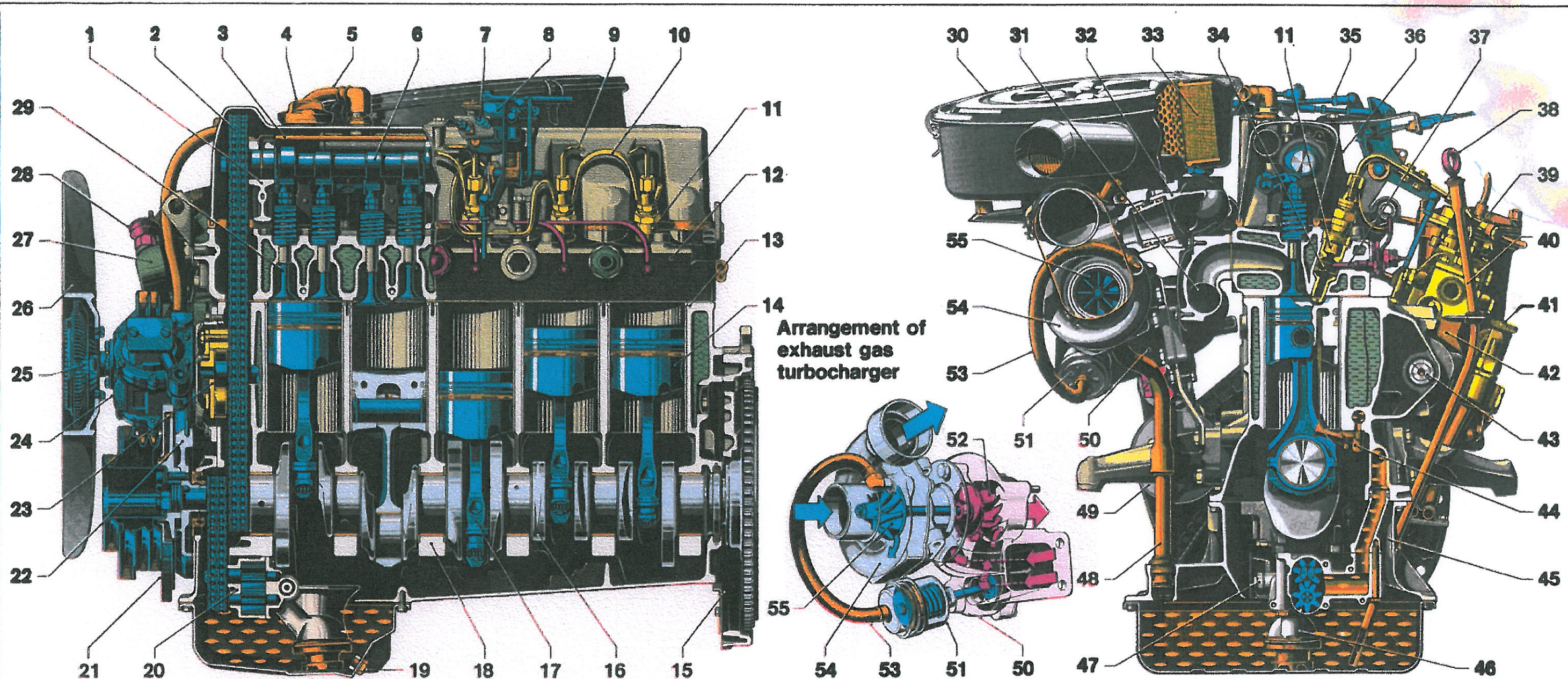
41 Oil filter
 42 Oil pressure relief valve
 43 Oil pan, lower section
 44 Cylinder crankcase
 45 Engine support
 46 Starter motor
 47 Exhaust manifold
 48 Guide tube
 49 Oil dipstick
 50 Rocker arm



Engine M 110 with Mechanically Controlled Gasoline Injection
 Type 280 E

Daimler-Benz AG
 Stuttgart-Untertürkheim
 TG 15 674

englisch L 77 Printed in Germany



Arrangement of
exhaust gas
turbocharger

Technical data:

Operation 4-cycle Diesel
Max. engine output
acc. to DIN 85 kW/115 PS
acc. to SAE 110 net bhp
Max. torque
acc. to DIN 235 Nm/24 mkg
acc. to SAE 168 net lb-ft
Number of cyl. ...5
Bore/stroke 90.9 mm/92.4 mm
Eff. total piston
displacement 2998 cm³

1 Camshaft bearing
2 Duplex silent chain
3 Oil tube (camshaft lubrication)
4 Oil filler cap
5 Breather line
6 Camshaft
7 Wire cable (idle adjustment)
8 Shut-off lever on engine
9 Fuel pressure line
10 Fuel leakage line
11 Injection nozzle

12 Cylinder head
13 Crankcase
14 Piston
15 Intermediate flange
16 Crankshaft
17 Connecting rod
18 Crankshaft bearing cap
19 Screw plug
20 Oil pump
21 Vibration damper
22 Balancing disc

23 Injection timer
24 Dual-diaphragm vacuum pump
25 Viscous-type fan coupling
26 Fan
27 Cooling water thermostat
28 Temperature switch
29 Exhaust valve
30 Air cleaner
31 Exhaust manifold
32 Charge air distributor pipe
33 Filter element

34 Pre-chamber
35 Control linkage
36 Cylinder head cover
37 Glow plug
38 Dipstick
39 Oil filter
40 Guide tube
41 Manual fuel pump
42 Injection pump
43 Intermediate gear shaft
44 Piston cooling nozzle

45 Oil pan - top section
46 Strainer
47 Oil pressure relief valve
48 Oil return flow pipe
(exhaust gas turbocharger)
49 Starter motor
50 Turbine case
51 Charge pressure control valve
52 Turbine
53 Connecting hose
54 Compressor housing
55 Compressor



Engine OM 617 A Longitudinal and Cross Section

Type 300 SD TURBO DIESEL

Daimler-Benz AG
Stuttgart-Untertürkheim
TG 15 678