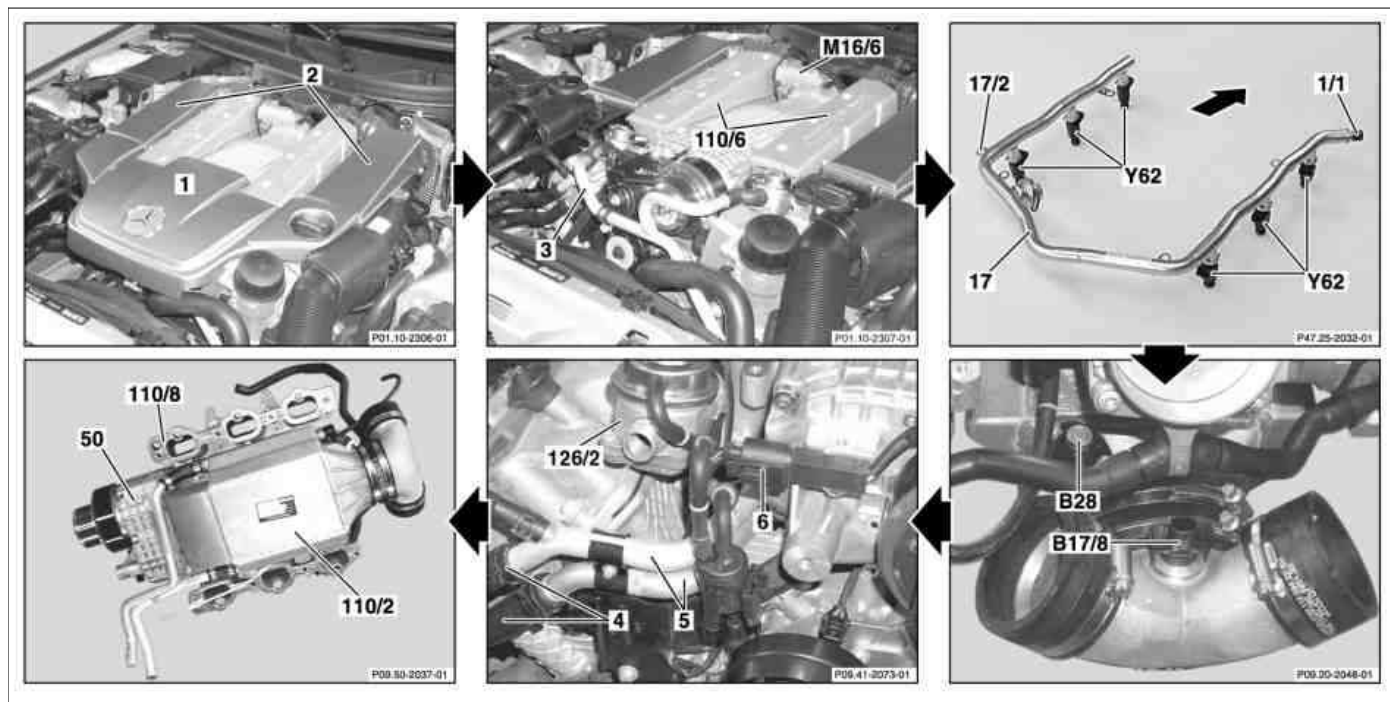




P09.50-2038-09

Shown on engine 112

- | | | | |
|-----|----------------------------|-------|----------------------------|
| 1 | Engine cover | 5 | Aluminum pipes |
| 1/1 | Service valve | 6 | Electrical connector |
| 2 | Air cleaner housing | 17 | Fuel distributor rail |
| 3 | Aluminum distribution pipe | 17/2 | Feed line |
| 4 | Coolant hoses | 50 | Compressor |
| | | 110/2 | Charge air cooler |
| | | 110/6 | Top charge air distributor |

- | | |
|-------|-------------------------------|
| 110/8 | Bottom charge air distributor |
| B17/8 | Charge air temperature sensor |
| B28 | Pressure sensor (charge air) |
| M16/6 | Throttle valve actuator |
| Y62 | Fuel injection valves |

		Remove/install		
	Danger!	Risk of death caused by vehicle slipping or tilting off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Danger!	Risk of explosion caused by fuel igniting, risk of poisoning caused by inhaling and swallowing fuel and risk of injury to eyes and skin caused by contact with fuel	No fire, sparks, open flames or smoking. Only pour fuels into suitable and appropriately marked containers. Wear protective clothing when handling fuel.	AS47.00-Z-0001-01A
1		Remove engine cover (1)	Pull top engine cover (2) upwards at both air filter housings and at bracket.	
2		Remove air filter housing (2).		AR09.10-P-1150SVK
3		Remove top charge air distributor (110/6)		AR09.41-P-1320SVK
4		Remove poly-V belt for supercharger		AR13.21-P-1202RVK
5		Release fuel pressure through service valve (1/1)	Make sure to collect fuel. Pressure hose	*119589046300
6		Unbolt feed line (17/2) at fuel distributor rail (17)	Make sure to collect fuel. Set of plugs	*BA07.52-P-1001-01A *129589009100
7		Disconnect electrical connectors at fuel injection valves (Y62)	Press together security catches.	
8		Remove screw/bolt for fuel distributor rail (17)	 Set of plugs	*BA07.52-P-1003-01A *BA07.52-P-1002-01A
9		Lift fuel distributor rail (17) including fuel injectors (Y62) from bottom charge air distributor (110/8) toward top	Installation: Check O-ring for damage. Oil O-rings.	
10		Detach gray vacuum line at rubber hose	Installation: Coat gray vacuum line with liquid lubricant. Antifriction agent	*BR00.45-Z-1010-06A

11	Unplug connector for throttle valve actuator (M16/6)		
12	Unplug connector for pressure sensor (B28)		
13	Unplug connector for charge air temperature sensor (B17/8)		
14	Detach electrical connector at the supercharger magnetic clutch (6)	 Carefully detach connector since the connector housing can be damaged.	
15	Detach rear vacuum line at intake manifold		
16	Remove lower engine compartment paneling	Model 215, 220 Model 211	AR61.20-P-1105M AR61.20-P-1105T
 Danger!	Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning caused by swallowing coolant.	Do not open cooling system unless coolant temperature is below 90°C. Open cap slowly and release the pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
17 	Drain coolant at radiator Notes on coolant	All engines	AR20.00-P-1142RVK AH20.00-N-2080-01A
18	Detach coolant hoses (4) at aluminum pipes (5)	Special pliers	
19	Unscrew screw/bolt for bottom charge air distributor (110/8)		*BA09.41-P-1002-01C
20	Bolt bracket on supercharger	 Bracket	*112589006200
21	Attach engine hoist to lifting eye of bracket	Load regulator gotis://H_00.12_04.0	
22	Lift out supercharger (50) together with charge air cooler (110/2) and bottom charge air distributor (110/8)		
23	Unbolt charge air cooler (110/2) from supercharger (50)		*BA09.50-P-1001-01B
24	Install in the reverse order		
25	Inspect cooling system for leaks		AR20.00-P-1010RVK
26 	Read out fault memory Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A

Fuel distributor

Number	Designation		Engine 113.990/ 991
BA07.52-P-1001-01A	Fuel feed line to fuel distributor	Nm	38
BA07.52-P-1002-01A	Bolt, fuel distributor to intake manifold	Nm	10
BA07.52-P-1003-01A	Bolt, fuel distributor to bottom part of charge air distributor	Nm	9

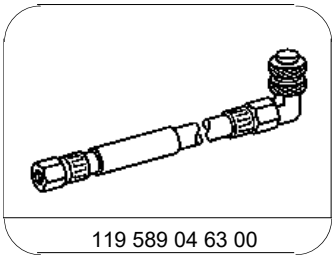
Charge air pipe/charge air cooling

Number	Designation		Engine 113.990/ 991
BA09.41-P-1002-01C	Bolt, bottom part of charge air distributor to cylinder head	Nm	20

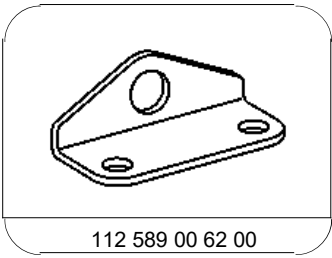
Supercharger

Number	Designation	Engine 113.990	Engine 113.991

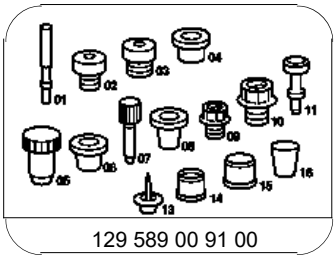
BA09.50-P-1001-01B	Bolt, supercharger to charge air cooler	Nm	20	20



Pressure hose



Bracket



Set of stop plugs

Repair materials

Number	Designation	Order number
BR00.45-Z-1010-06A	Lubricant, rubber assembly 1 l	A 000 989 03 67