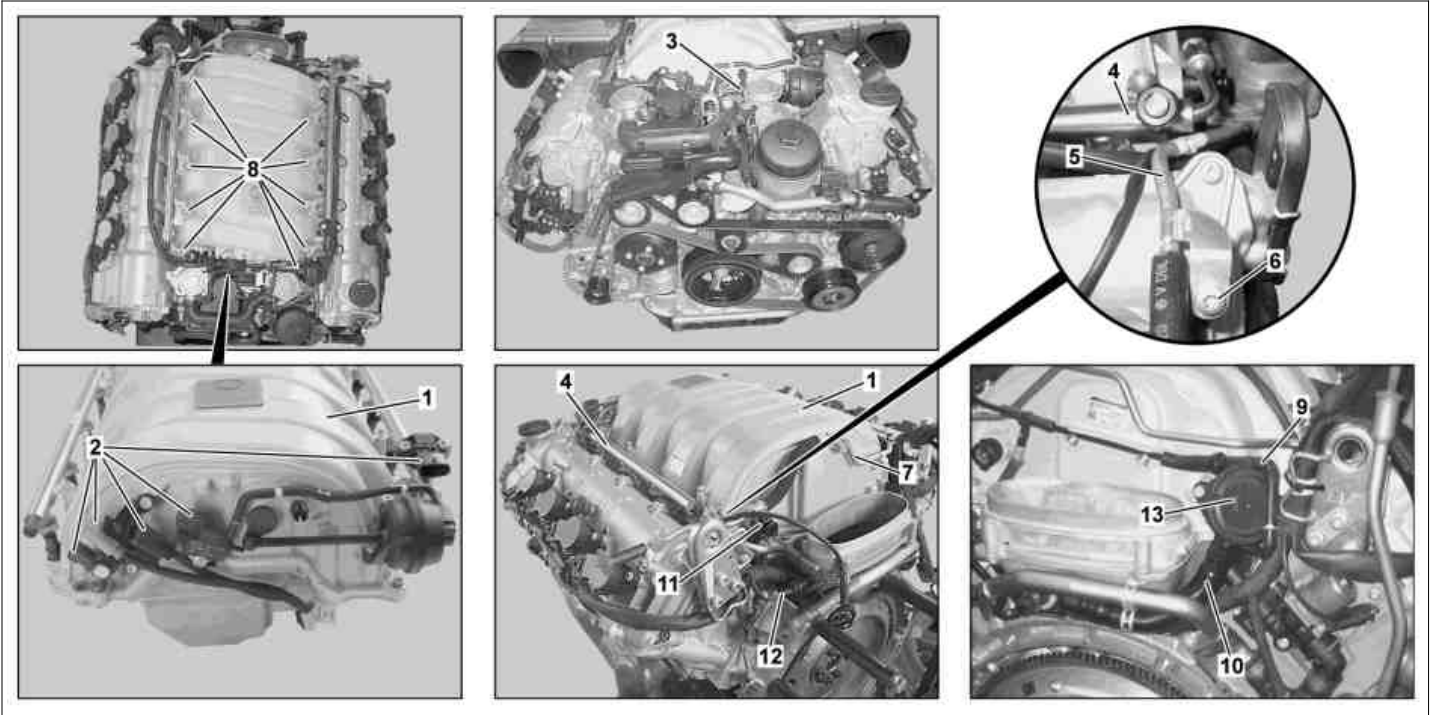


ENGINE 156.982 in MODEL 209.377 /477

ENGINE 156.983 in MODEL 211.077 /277, 219.377



P09.20-2194-09

1 Intake manifold
2 Plug connections
3 Vacuum line
4 Fuel distributor

5 Purge line
6 Bolt
7 Fuel pipe
8 Bolts

9 Vacuum hose
10 Vacuum line
11 Connection
12 Plug connection
13 Vacuum reservoir

Modification notes

6.8.09	Value changed: Bolt, intake manifold to cylinder head	*BA09.20-P-1002-01R
	Value changed: Bolt, intake manifold to cylinder head	*BA09.20-P-1002-01R
	Value changed: Bolt, intake manifold to cylinder head	*BA09.20-P-1002-01R

	Remove/install		
⚠ 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
⚠ Danger!	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
1	Switch ignition off, remove ignition key (transmitter key).		
2	Open engine hood	Model 209 Model 211 Model 219	AR88.40-P-1000Q AR88.40-P-1000T AR88.40-P-1000TX
3	Remove both engine air intake ducts		
4	Remove front engine cover	Do not tilt front engine cover, but lift upwards vertically otherwise the retaining lugs can break off.	
5	Remove air filter housing		AR09.10-P-1150TMG
6	Release fuel pressure with pressure hose via service valve		AR07.03-P-1460-01TMG *119589046300
7	Detach fuel line from fuel distributor (4)	Installation: Install new sealing rings.	

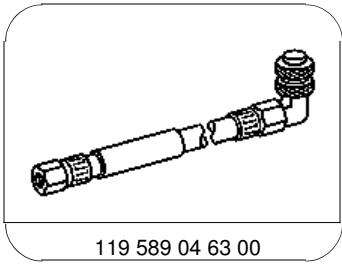
		Nm	*BA07.03-P-1001-01C
8	Disconnect connectors (2) at intake pipe (1) at front		
9	Detach vacuum line (3)		
10	Detach brake booster vacuum line at connection (11)		
11	Remove insulating cover		
12	Disconnect connectors for injection valves	i Place wiring harness to side.	
13	Remove bolt (6) and purge line (5)	Nm	*BA07.03-P-1002-01C
14	Detach vacuum hose (9) from intake manifold (1) or from vacuum unit (13)	i Detach hose to vacuum reservoir.	
15	Remove vacuum line (10).		
16	Disconnect connector (12)		
17	Remove bolts (8) from intake pipe (1) then remove intake pipe (1) upwards	i Close off intake ports in doing so Injection valves is not damaged. i Installation: Clean sealing surfaces; replace intake manifold seals and bolts. i Installation: Observe tightening pattern for fastening the intake manifold. Nm	AR09.20-P-1310-03AMG *BA09.20-P-1002-01R BT09.20-P-0005-01AMG
BT	Seals and bolts on the intake manifold		
18	Install in the reverse order		
Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
19	Carry out engine test run and check intake manifold (1) for leaks	In the event of a leak, determine and eliminate cause, otherwise malfunctions and serious environmental pollution may occur.	

Nm Injectors, injection valves, lines

Number	Designation		Engine 156
BA07.03-P-1001-01C	Union nut, fuel line to fuel distributor	Nm	20
BA07.03-P-1002-01C	Bolt, fuel distributor to resonance intake manifold	Nm	9

Nm Intake manifold

Number	Designation		Engine 156
BA09.20-P-1002-01R	Bolt, intake manifold to cylinder head	Stage 1	Nm 10
		Stage 2	⚡° 90
		Stage 3	⚡° 10



119 589 04 63 00

Pressure hose