

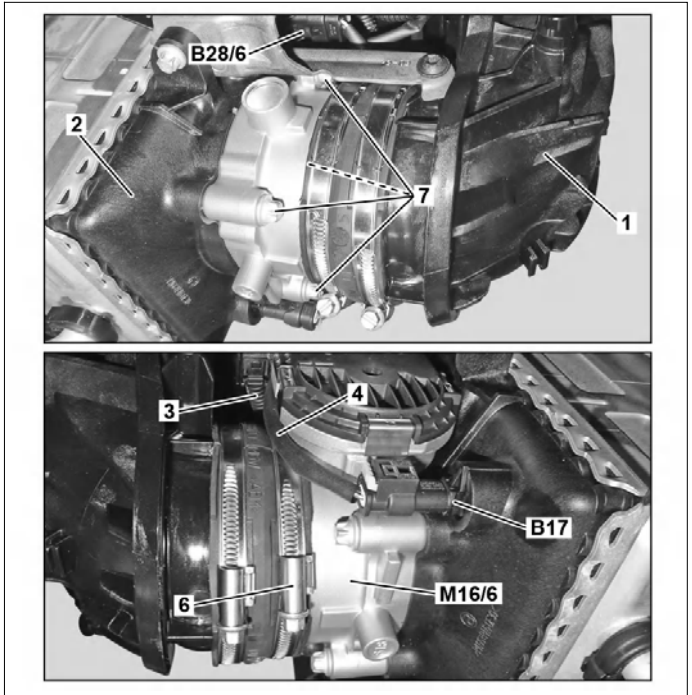
ENGINES 157, 278 in MODEL 212, 218

ENGINES 278 in MODEL 207

Illustrated on model 218.373

- 1 Intake manifold
 2 Charge air cooler
 3 Electrical line
 4 Electrical line
 6 Clip
 7 Bolts

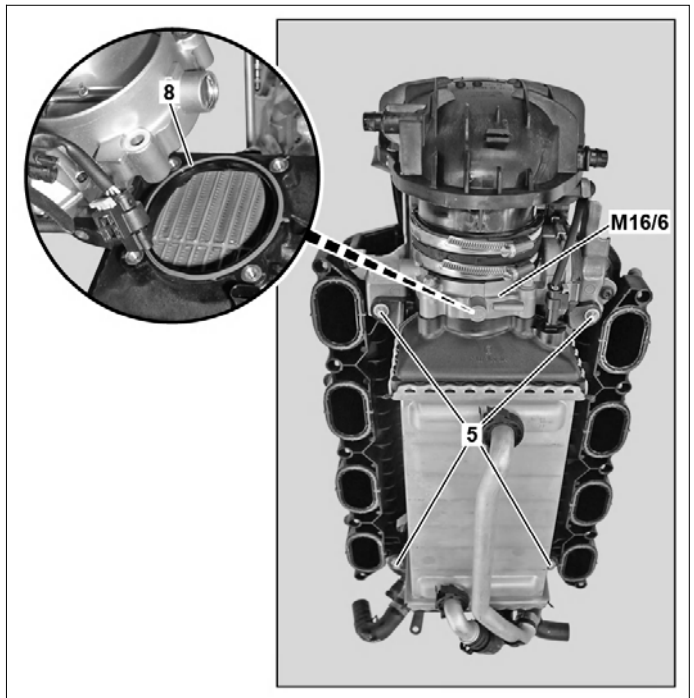
- B17 Intake air temperature sensor
 B28/6 Pressure sensor upstream of throttle valve
 M16/6 Throttle valve actuator





P07.51-2093-12

Illustrated on model 218.373

- 5 Bolts
 8 Gasket
 M16/6 Throttle valve actuator



P07.51-2094-12

 	Remove/install		
1	Remove intake manifold (1)		AR09.20-P-1310ELB
2	Disconnect electrical connectors on intake air temperature sensor (B17) and pressure sensor downstream of throttle valve (B28/6)		
3	Disconnect electrical plug connector on throttle valve actuator (M16/6)		
4	Unclip electrical line (4) on throttle valve actuator (M16/6)		
5	Unscrew bolts (5) for charge air cooler (2) on intake manifold (1)	Nm	*BA09.41-P-1001-010
6	Loosen clamp (6) for intake manifold (1) on throttle valve actuator (M16/6)		

7	Detach charge air cooler (2) and throttle valve actuator (M16/6) on intake manifold (1)		
8	Unclip electrical line (3) on throttle valve actuator (M16/6)		
9	Remove bolts (7) on throttle valve actuator (M16/6)	Nm	*BA09.41-P-1002-01O
10	Detach throttle valve actuator (M16/6) from charge air cooler (2)	i Installation: Ensure correct seating of the seal between throttle valve actuator (M16/6) and charge air cooler (2)	
11	Remove seal (8) for throttle valve actuator (M16/6) on charge air cooler (2)	i Installation: Install new seal (8). Hook seal (8) onto charge air cooler (2).	
12	Install in the reverse order		
13	Read out fault memory with STAR DIAGNOSIS and erase if necessary		AD00.00-P-2000-04A

Nm Charge air pipe/charge air cooling

Number	Designation		Engine 157	Engine 278
BA09.41-P-1001-01O	Bolt, charge air cooler to charge air distribution line	Nm	9	9
BA09.41-P-1002-01O	Bolt, throttle valve actuator to charge air cooler	Nm	9	9