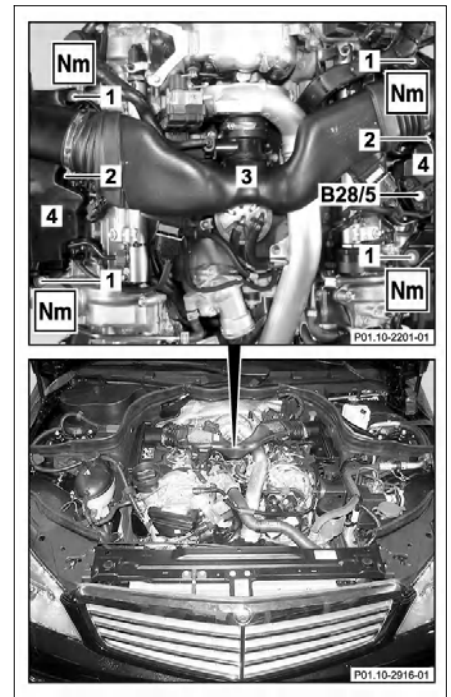


Engine 642 in model 221

Shown on ENGINE 642.9

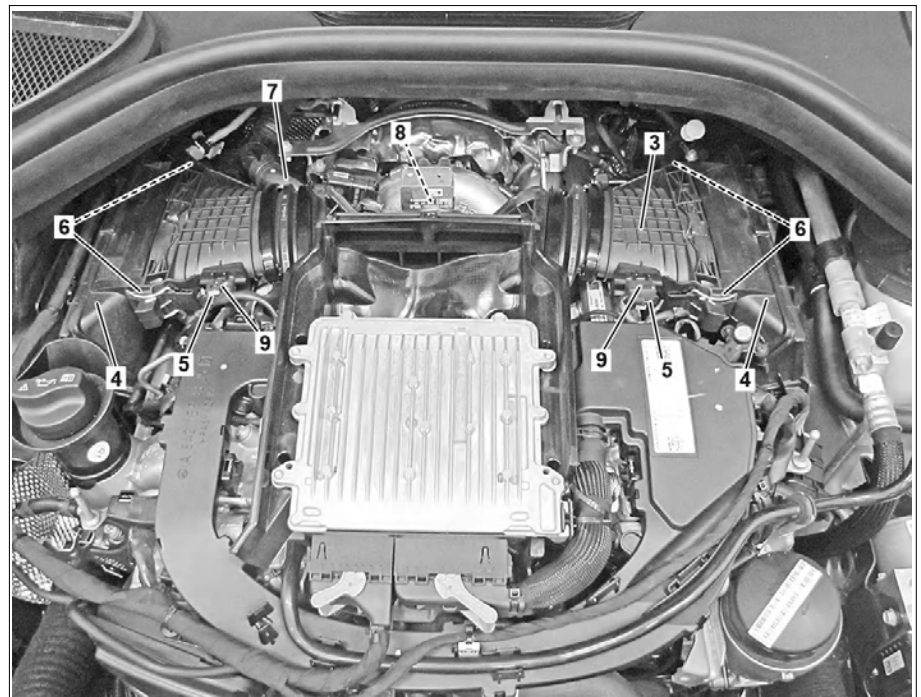
- 1 Screw/bolts
- 2 Hose clamps
- 3 Engine air intake duct downstream of air filter
- 4 Air filter housing
- B28/5 Pressure sensor downstream of air filter



P09.10-2202-03









Shown on engine 642.8

- 3 Engine air intake duct downstream of air filter
- 6 Retaining clips
- 7 Hose
- 8 Clamp
- 9 Hot film MAF sensor



P09.10-2355-06

	<b>Risk of injury</b> . Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
ⓘ	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
ⓘ	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
↔ ↔	<b>Remove/install</b>		
1	Remove engine cover		
2.1	Disconnect electrical connection (5) on pressure sensor downstream of air filter (B28)	Engine 642.9 in model 221	

		 The electrical connection is located at the air filter housing (4) on the left.	
2.2	Disconnect electrical connections at hot film mass air flow sensor (9)	Engine 642.8 in model 221	
3	Remove left and right engine air intake duct upstream of air filter	Engine 642.9 in model 221	
4.1	Slacken hose clamps (2) at engine air intake duct downstream of air filter (3)	Engine 642.9 in model 221  Flexible boots must not be put under tension or pressure and not separated. The engine air intake duct downstream of air filter (3) will be damaged otherwise.	
4.2	Open retaining clamps (6) and detach left and right air filter housing (4) at the side from engine air intake duct downstream of air filter (3)	Engine 642.8 in model 221.026/083/126/183  Flexible boots must not be put under tension or pressure and not separated. The engine air intake duct downstream of air filter (3) will be damaged otherwise.  <b>Installation:</b> Ensure that seal is in the correct installation position between air filter housings (4) and engine air intake duct downstream of air filter (3).	
5	Remove screw/bolt (1)	Engine 642.9 in model 221  Bolt connecting air filter housing to cylinder head cover	*BA09.10-P-1001-01H
6	Loosen clamp (8) on ATL		
7	Pull air filter housing (4) out of the engine air intake duct downstream of the air filter (3)	Engine 642.9 in model 221  Flexible boots must not be put under tension or pressure and not separated. The engine air intake duct downstream of air filter (3) will be damaged otherwise.	
8	Pull air filter housing (4) up and out	Engine 642.9 in model 221	
9	Detach bracket of CDI control unit and place with screwed on CDI control unit to one side	Engine 642.8 in model 221	
10	Pull off engine air intake duct forwards downstream of air filter (3)	 Flexible boots must not be put under tension or pressure and not separated. The engine air intake duct downstream of air filter (3) will be damaged otherwise.  <b>Installation:</b> Do not crush seal between ATL and engine air intake duct downstream of air filter (3). Parts of the squashed sealing ring will damage the ATL otherwise.	
11	Detach hose (7) for crankcase ventilation	Engine 642.8 in model 221	
12	Remove engine air intake duct downstream of the air filter (3)		
13	Install in the reverse order		

 Air filter

Number	Designation	Engine 642 (except 642.970)
BA09.10-P-1001-01H	Bolt connecting air filter housing to cylinder head cover	Nm 9