

ENGINE 271.940 in MODEL 203.042 /242 /742, 209.342

ENGINE 271.941 in MODEL 211.042 /242

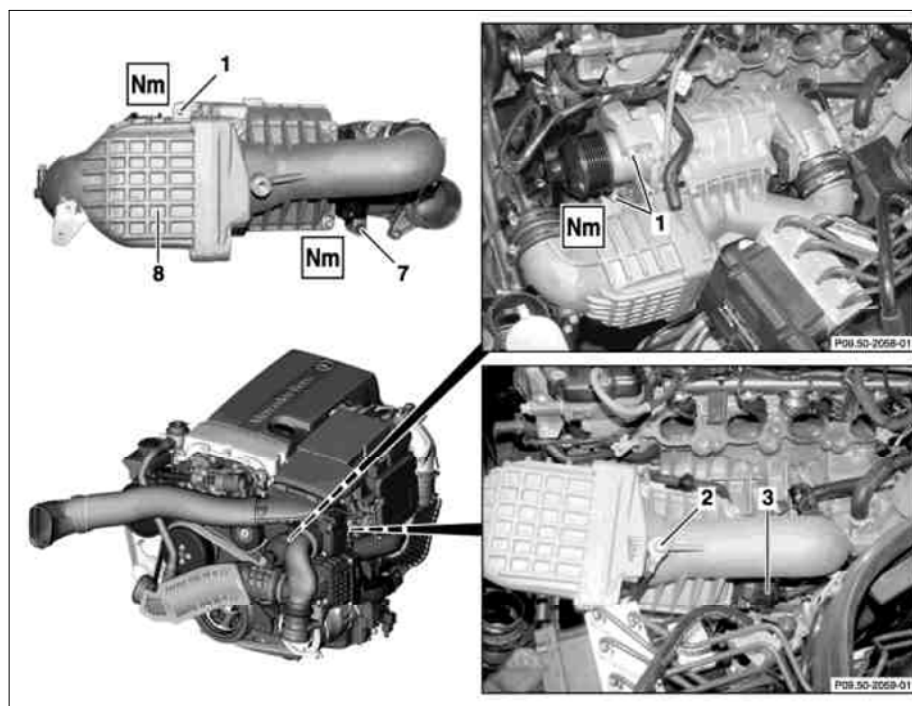
ENGINE 271.946 in MODEL 203.046 /246 /746

ENGINE 271.948 in MODEL 203.040 /740

ENGINE 271.942 in MODEL 209.343 /443, 203.043 /243 /743

#### Shown on model 209

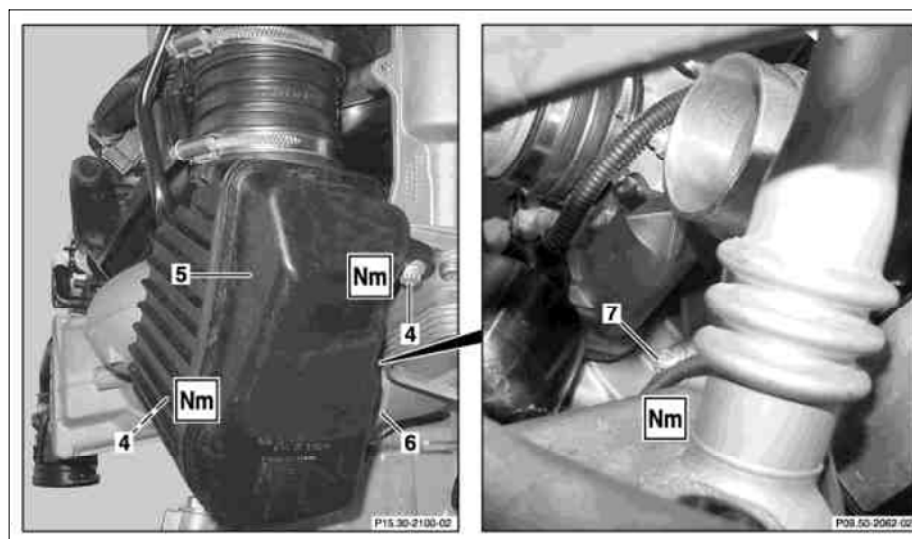
- 1 Screw
- 2 Ground cable
- 3 Coupling
- 7 Screw
- 8 Compressor



P09.50-2060-01

#### Shown on model 209

- 4 Intake muffler screw
- 5 Intake muffler
- 6 Compressor intake fitting
- 7 Screw



P09.50-2061-05

☒ ☒	Remove/Install		
⚠ <b>Danger!</b>	<b>Risk of explosion</b> due to oxyhydrogen gas. <b>Risk of poisoning and caustic burns</b> caused by swallowing battery acid. <b>Risk of injury</b> caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries	No fire, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and safety glasses. Pour battery acid only into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
1  ⓘ	Disconnect battery ground cable  Notes on battery	ⓘ Model 209: Do not connect quiescent current retention unit, as this may cause interference in the control unit. All models Model 203 Model 209 Model 211.0 Model 211.2	AH54.10-P-0001-01A AR54.10-P-0003P AR54.10-P-0003Q AR54.10-P-0003T AR54.10-P-0003TA
2	Remove air cleaner housing		AR09.10-P-1150Q

3	Remove intake manifold	Model 203.040/042/046/242/246/740/ 742/746 Model 209.342 Model 211.242 Model 211.042 except bivalent natural gas drive, Code 924 Model 211.042 with bivalent natural gas drive, Code 924 Model 203.043/243/743 Model 209.343/443	AR09.20-P-1310QK  AR09.20-P-1310TN  AR09.20-P-1310Q
4	Loosen poly-V-belt of basic drive	To do this, swivel torx recess next to tensioning pulley anti-clockwise. See # Remove/install poly-V-belt	AR13.22-P-1202QK
5	Unscrew upper bolts (1) from compressor (8)		*BA09.50-P-1001-01C
6	Loosen ground cable (2) at compressor (8)		
<b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling from the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates below the support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
7	Remove engine compartment paneling	Model 203, 209 Model 211	AR61.20-P-1105P AR61.20-P-1105T
8	Remove screws (4) on intake muffler (5)	Intake muffler to supercharger Screw of intake muffler to oil filter housing	*BA09.50-P-1004-01C *BA09.50-P-1006-01C
9	Pry off intake muffler (5)	Detach intake muffler (5) from compressor intake fitting (6) by hand and lift upwards and out.	
10	Unscrew bottom bolt (7) of compressor (8)		*BA09.50-P-1002-01C
11	Loosen coupling (3)	To do this, remove compressor from crankcase, rotate 180°, and remove coupling (3)	
12	Remove compressor (8)		
13.1	Detach intake and pressure connection from compressor (8)	If replacing the compressor (8).	AR09.50-P-8841QK
14.1	Detach recirculated air flap from compressor	If replacing the compressor (8).	AR09.50-P-8843QK
15	Install in the reverse order		
16	Read out fault memory and erase	Faults stored due to simulations, or cables being disconnected for assembly / testing operations, must be processed and erased from the fault memories after the work is completed. See # STAR-DIAGNOSIS diagnosis system	*WE58.40-Z-1013-06A
17	Make electrical system operational	See # Perform basic programming	
		Model 203 Model 209 Model 211.042/242	AR00.19-P-0200P AR00.19-P-0200Q AR00.19-P-0200T

### Compressor

Number	Designation			Engine 271.940/ 942/946/ 948	Engine 271.941
BA09.50-P-1001-01C	Bolt of compressor to timing case	M8	Nm	20	20
BA09.50-P-1002-01C	Bolt of compressor to engine support	M8	Nm	20	20
BA09.50-P-1004-01C	Intake muffler to compressor	M6	Nm	9	9
BA09.50-P-1006-01C	Bolt of intake muffler to oil filter housing	M6	Nm	11	11

### Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS compact diagnosis system for passenger cars, order number 6511 1801 00
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