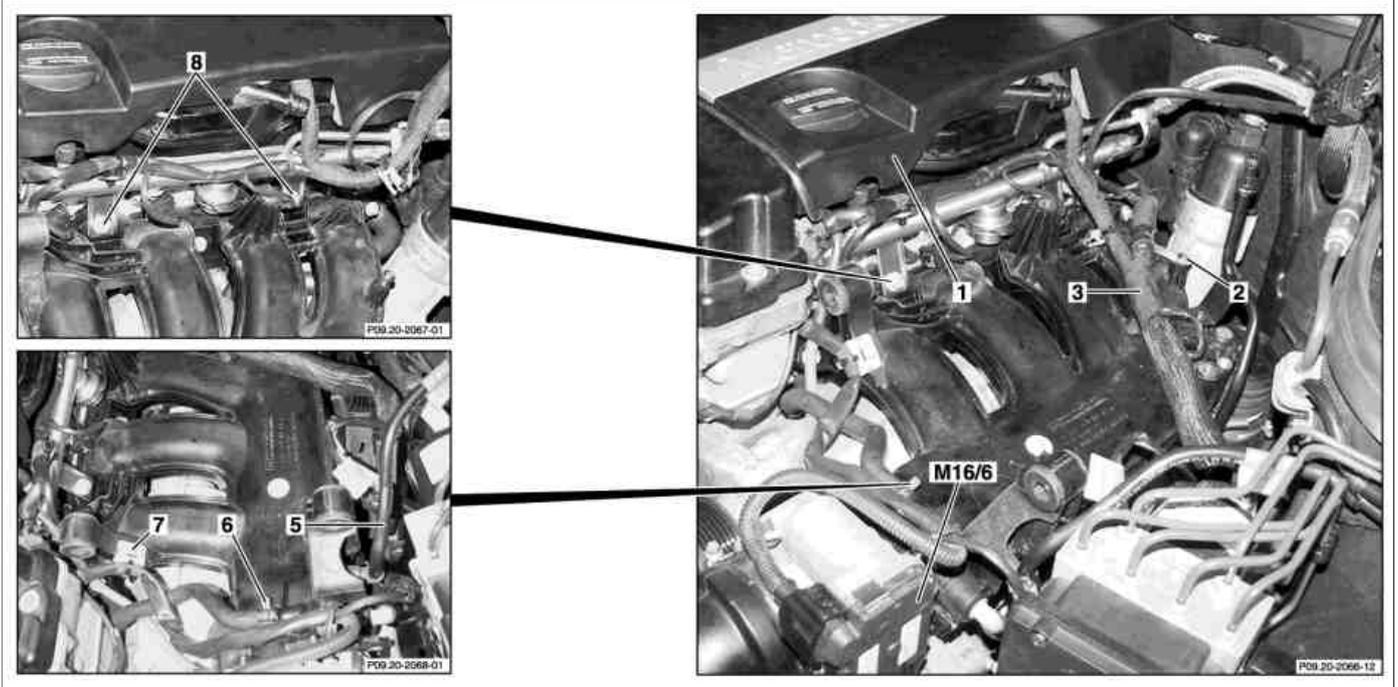
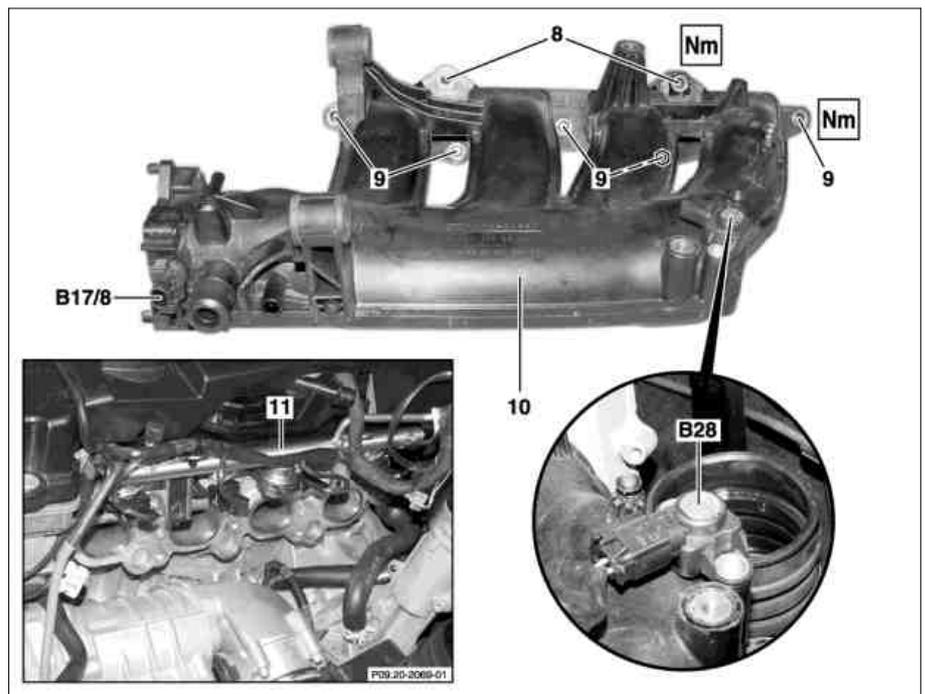


ENGINE	271.940 in MODEL 203.042 /242 /742, 209.342 /442
ENGINE	271.941 in MODEL 211.242
ENGINE	271.946 in MODEL 203.046 /246 /746
ENGINE	271.948 in MODEL 203.040 /240 /740
ENGINE	271.941 in MODEL 211.042 except CODE (924) Bivalent natural gas drive
ENGINE	271.921 in MODEL 203.730
ENGINE	271.955 in MODEL 209.341 /441
ENGINE	271.956 in MODEL 211.241
ENGINE	271.956 in MODEL 211.041 except CODE (924) Bivalent natural gas drive
ENGINE	271.957 in MODEL 203.741



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- |       |                               |       |                         |
|-------|-------------------------------|-------|-------------------------|
| 1     | Engine cover                  | 7     | Clamp                   |
| 2     | Screw                         | 8     | Bolts                   |
| 3     | Wiring harness                |       |                         |
| 5     | Hose                          | M16/6 | Throttle valve actuator |
| 6     | Hose                          |       |                         |
| 8     | Bolts                         |       |                         |
| 9     | Bolts                         |       |                         |
| 10    | Intake manifold               |       |                         |
| 11    | Fuel distributor rail         |       |                         |
| B17/8 | Charge air temperature sensor |       |                         |
| B28   | Pressure sensor               |       |                         |



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### Modification notes

16.5.06	"Disconnect/connect battery ground line" removed		
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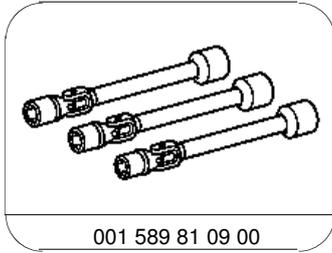
	Remove/install		
1	Open engine hood	Model 203 Model 209 Model 211	AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T
2	Remove engine cover (1)	 Hold engine cover (1) with both hands and pry it off.	
3	Remove air filter housing		AR09.10-P-1150Q
4.1	Remove charge air line	Model 203, 209  For this step slacken upper and lower hose clamp and remove charge air manifold toward compressor.	
4.2	Detach the charge air line from the throttle valve actuator (M16/6) and set aside	Model 211	
5	Remove throttle valve actuator (M16/6)	Model 203, 209	AR07.61-P-1401QK
6	Unplug connector of charge air temperature sensor (B17/8)	 Detach clamp (7) on wiring harness for charge air temperature sensor (B17/8) from intake manifold (10).	
7	Detach hose (6) of crankcase ventilation		
8	Detach hose (5) of tank ventilation system from intake manifold (10).		
9	Release fuel distributor rail (11) with injectors	 Remove only two bolts (8) and pry off fuel distributor rail (11) (leave enough space to remove the intake manifold (10)). Model 203, 209 Model 211 	AR07.03-P-1450Q AR07.03-P-1450TK *BA07.52-P-1001-01B
10	Slacken wiring harness (3)	 For this step unscrew bolt (2) and place wiring harness (3) to the side.	
11	Unplug connector for pressure sensor (B28)		
12	Remove bolts (9) on intake manifold (10)	 	*BA09.20-P-1001-01I *001589810900
13	Remove intake manifold (10)	 For this step press wiring harness (3) slightly to the side.  <b>Installation:</b> Clean sealing surfaces. Replace seals on intake manifold (10). Check that guide sleeves for intake manifold (10) are correctly seated in cylinder head, in order to prevent leaks.	
14	Remove throttle valve actuator (M16/6)	Model 211 When replacing intake manifold (10)	
15	Remove pressure sensor (B28)	When replacing intake manifold (10)	
16	Remove charge air temperature sensor (B17/8)	When replacing intake manifold (10)	
17	Install in the reverse order		
 <b>Danger!</b>	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> 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
18	Check for leaks with engine running		
19	Read out and erase fault memory using STAR DIAGNOSIS	 Stored faults which may be caused by assembly work, test work, removed lines or a simulation, must be processed and erased in fault memories after completing the work.	
 <b>AD</b>	Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A

 **Fuel distributor**

Number	Designation	Engine 271.9		
BA07.52-P-1001-01B	Bolt, fuel distributor to cylinder head	Stage 1	Nm	14
		Stage 2	°	-

**Nm** Intake manifold

Number	Designation	Engine 271
BA09.20-P-1001-011	Bolt, intake manifold to cylinder head M7 Nm	14



Flexible head wrench set