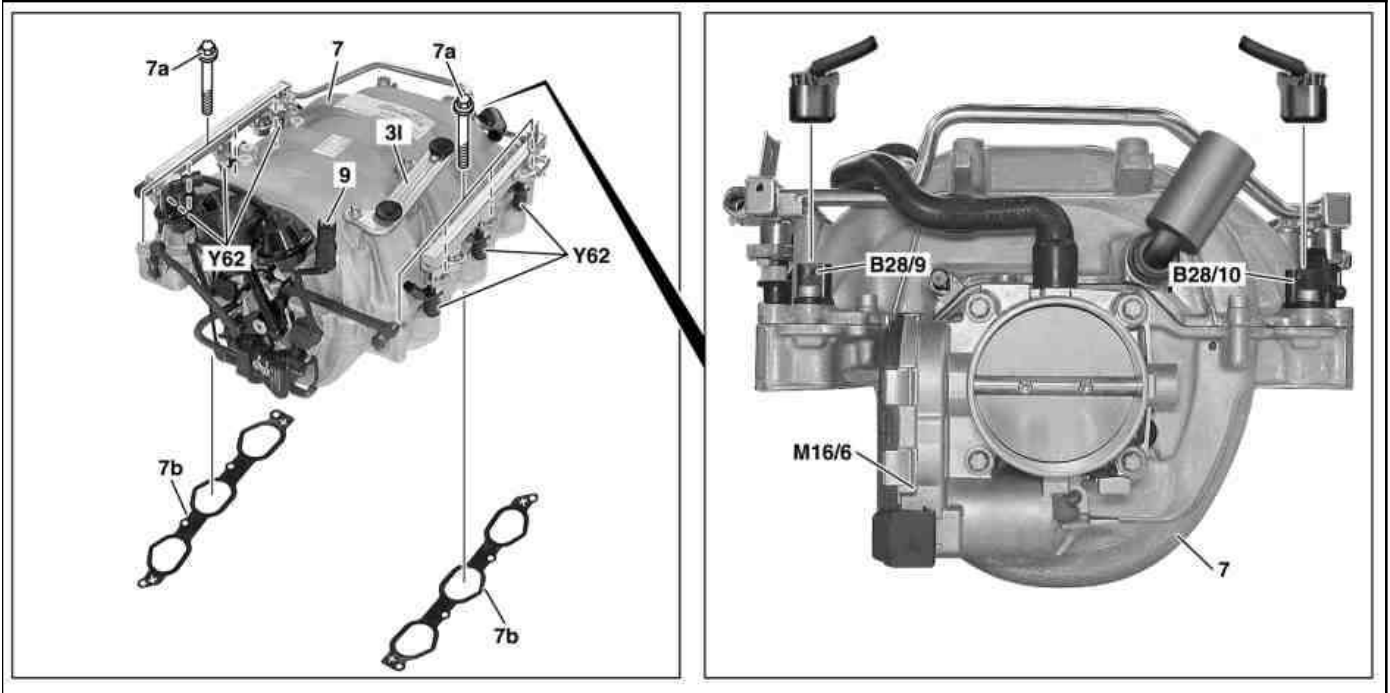
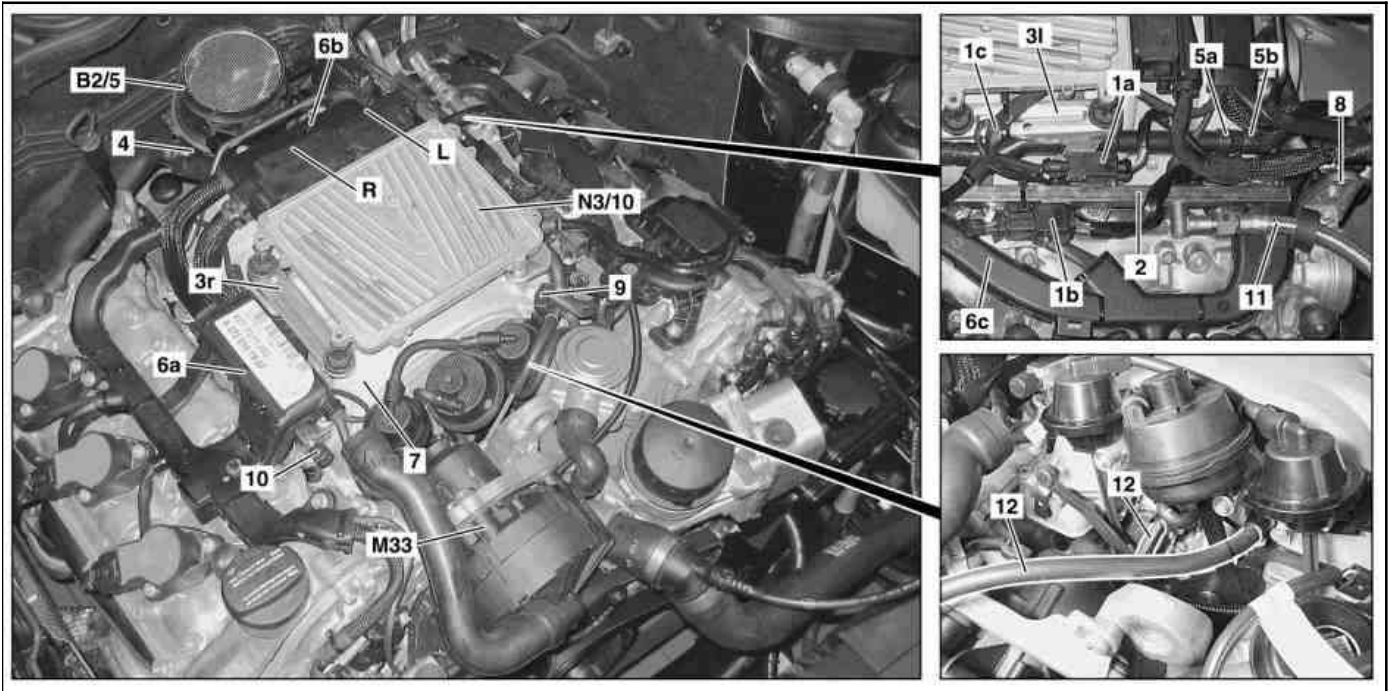


ENGINE 272.920 in MODELS 203.052 /252 /752  
 ENGINE 272.940 in MODELS 203.054 /254, 209.354 /454  
 ENGINE 272.960 in MODELS 203.056 /256 /756, 209.356 /456  
 ENGINE 272.970 in MODELS 203.087 /287  
 ENGINE 272.941 in MODELS 203.092 /292  
 ENGINE 273 in MODEL 209



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- |                                     |   |   |
|-------------------------------------|---|---|
| <b>3l</b> Left control unit bracket | <b>9</b> Electrical connector                                 | <b>B28/10</b> Right intake manifold tumble flap position sensor |
| <b>7</b> Resonance intake pipe      | <b>B28/9</b> Left intake manifold tumble flap position sensor | <b>M16/6</b> Throttle valve actuator                            |
| <b>7a</b> Bolts                     |   | <b>Y62</b> Fuel injection valves                                |
| <b>7b</b> Seals                     |   |   |



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- |                                      |                                |   |
|--------------------------------------|--------------------------------|---|
| <b>1a</b> Electrical connector       | <b>5b</b> Hose                 | <b>11</b> Fuel pipe                       |
| <b>1b</b> Electrical connector       | <b>6a</b> Feed line duct       | <b>12</b> Pneumatic lines                 |
| <b>1c</b> Electrical feed line       | <b>6b</b> Feed line duct       | <b>B2/5</b> Hot film mass air flow sensor |
| <b>2</b> Fuel distributor            | <b>6c</b> Feed line duct       | <b>M33</b> Electric air pump              |
| <b>3l</b> Left control unit bracket  | <b>7</b> Resonance intake pipe | <b>N3/10</b> ME control unit              |
| <b>3r</b> Right control unit bracket | <b>8</b> Engine lifting eye    | <b>L</b> Left connector                   |
| <b>4</b> Air duct housing            | <b>9</b> Electrical connector  |   |
| <b>5a</b> Hose                       | <b>10</b> Service valve        |   |

	<b>Remove/install</b>		
<b>⚠ Danger!</b>	<b>Risk of injury</b> caused by <b>fingers being pinched or crushed</b> when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
<b>⚠ Danger!</b>	<b>Risk of explosion</b> caused by fuel igniting, <b>risk of poisoning</b> caused by inhaling and swallowing fuel and <b>risk of injury</b> 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
	Notes on avoiding damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Turn key in ignition switch to position "0".		
2	Open engine hood and raise to vertical position	Model 203 Model 209	AR88.40-P-1000P AR88.40-P-1000Q
3	Remove air filter housing		AR09.10-P-1150QB
4	Remove the right connector (R) at the ME-SFI [ME] control unit (N3/10)		
5	Disconnect electrical connectors (1a, 1b)		
6	Remove jack for electrical connector (1b) on fuel distributor (2)	<b>Installation:</b> Install new tie straps.	
7	Remove electrical feed line (1c) from left control unit holder (3l)	<b>Installation:</b> Install new tie straps.	
8	Detach ME control unit (N3/10) from left control unit holder (3l) and right control unit holder (3r) and lay to one side	Do <b>not</b> remove the left connector (L) at the ME-SFI [ME] control unit (N3/10).	
9	Remove hot film mass air flow sensor (B2/5)		AR07.07-P-1453QB
10	Remove air guide housing (4)		AR09.20-P-0080QB
11	Disconnect hoses (5a, 5b) from crankcase ventilation system		
12	Remove the right control unit holder (3r)		*BA07.08-P-1002-01A
13	Remove feed line duct (6a) from cylinder head cover and resonance intake manifold (7)	 	*BA15.18-P-1001-01B *BA15.18-P-1002-01B
14	Remove feed duct (6b) from resonance intake manifold (7)		*BA15.18-P-1001-01B
15	Remove the left rear motor suspension lug (8)	 	*BA01.30-P-1005-01O *BA15.18-P-1003-01B
16	Remove feed line duct (6c) from cylinder head cover		*BA15.18-P-1002-01B
17	Release and disconnect the electrical connectors at the fuel injection valves (Y62)		
18	Release and disconnect the electrical connectors on the left intake manifold tumble flap position sensor (B28/9) and right intake manifold tumble flap position sensor (B28/10)		
19	Disconnect electrical connector (9).		
20	Release and disconnect electrical connector at throttle valve actuator (M16/6)		
21	Disconnect electrical connector at electric air pump (M33)		
22	Reduce fuel pressure with pressure hose via service valve (10)		AR07.03-P-1460-01VA *119589046300
23	Disconnect fuel line (11) from fuel distributor (2)	Seal connections immediately with stop plugs  	*129589009100 *BA07.03-P-1001-01B
24	Remove bolts (7a)		*BA09.20-P-1001-01N
25	Lift the resonance intake manifold (7) to front and detach pneumatic lines (12) from connection fittings at resonance intake manifold (7)		

26	Take out the resonance intake manifold (7)	<b>i</b> <b>Installation:</b> Replace gaskets (7b).	
27	Cover the openings in the cylinder heads	<b>(!*) Installation:</b> Objects that have entered the intake tract must always be removed before fitting the resonance intake manifold (7); otherwise there may be engine damage.	
<b>Only perform work steps 28 to 31 when replacing the resonance intake manifold</b>			
28	Detach left control unit holder (3l) from resonance intake manifold (7)	Nm	*BA07.08-P-1002-01A
29	Detach the fuel distributor (2) with the fuel injection valves (Y62) from the resonance intake manifold (7)	Nm	*BA07.03-P-1002-01B
30	Detach the throttle valve actuator (M16/6) from the resonance intake manifold (7)	Nm	*BA07.61-P-1001-01D
31	Remove left intake manifold tumble flap position sensor (B28/9) and right intake manifold tumble flap position sensor (B28/10) from resonance intake pipe (7)		
32	Install in the reverse order		
	<b>Checking</b>		
<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 running engine Carry out an engine test run and check the intake tract and fuel system for leaks	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
33			

#### Control unit

Number	Designation		Engine 272	Engine 273
BA07.08-P-1002-01A	Bolt, control unit holder to resonance intake manifold	Nm	8	8

#### Engine wiring harness

Number	Designation		Engine 272	Engine 273
BA15.18-P-1001-01B	Bolt, feed line duct to resonance intake manifold	Nm	8	8
BA15.18-P-1002-01B	Bolt connecting feed line duct to cylinder head cover	Nm	8	8
BA15.18-P-1003-01B	Bolt, feed line duct to motor suspension lug	Nm	8	8

#### Cylinder head

Number	Designation		Engine 272	Engine 273
BA01.30-P-1005-01O	Bolt connecting suspension lug to cylinder head	M8 Nm	20	20

#### Injection nozzles, injection valves, lines

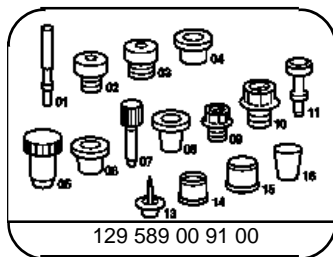
Number	Designation		Engine 272 without code 917	Engine 272 with code 917	Engine 273
BA07.03-P-1001-01B	Union nut, fuel feed line to fuel distributor	Nm	20	20	20
BA07.03-P-1002-01B	Bolt connecting fuel distributor to resonance intake manifold	Nm	9	9	9

**Nm Intake manifold**

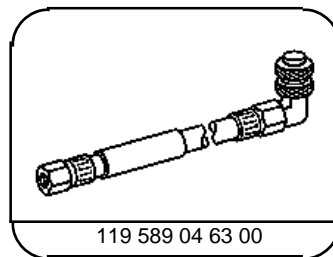
Number	Designation		Engine 272	Engine 273
BA09.20-P-1001-01N	Bolt connecting resonance intake manifold to cylinder head	Nm	9	9

**Nm ME gasoline injection and ignition system**

Number	Designation		Engine 272	Engine 273
BA07.61-P-1001-01D	Bolt connecting throttle valve actuator to resonance intake manifold	Nm	9	9



Set of stop plugs



Pressure hose