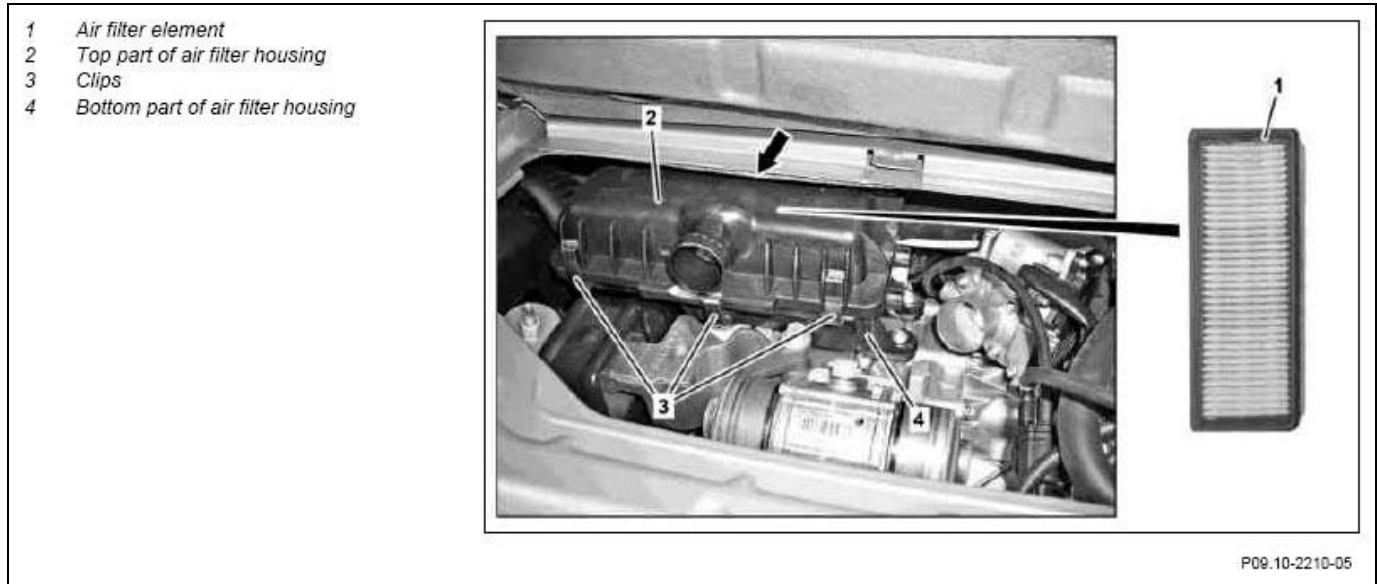




**MAINTENANCE > REPLACE AIR FILTER ELEMENT - AP09.10-P-0980MCU >**

**ENGINE 132.910 in MODEL 451.3 /4**

Fig 1: Identifying Air Filter Element Components



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

 <b>Remove/install</b>	
1	Remove resonance tank
 <b>AR</b>	Remove/install resonance chamber
2	Open clamps (3) and remove top part of air filter housing (2)
3	Take out air cartridge (1)
4	Install in the reverse order

**i Installation:** Insert top part of air filter housing (2) in the rear area (arrow) in the guides on the bottom part of air filter housing (4) and close clamps (3).

**i Installation:** Clean bottom part of air filter housing (4) with rag.

AR09.20-P-0010MCU

**TESTING & REPAIR > TESTING AND REPAIR WORK: SMART: AIR INTAKE, SUPERCHARGING - AR09.00-Z-9132CB >**

**ENGINE 132**

Remove/install air ducting for charge air	ENGINE 132.930 in MODEL	AR09.41-P-
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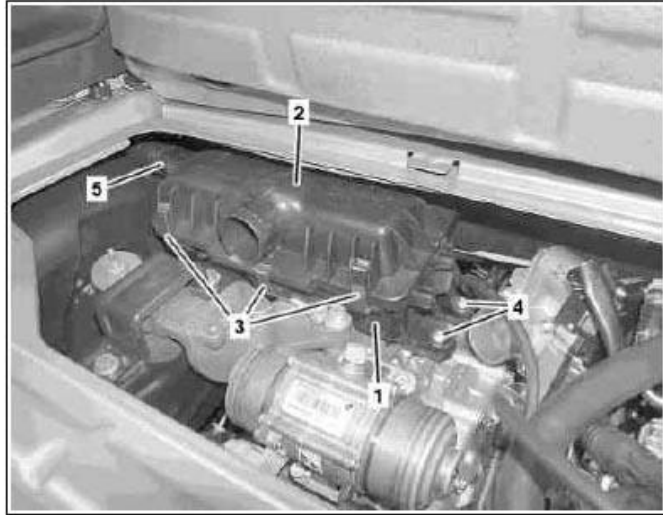
cooler	451.3 /4	6823MCC
Remove/install air filter housing	ENGINE 132.930 in MODEL 451.3 /4	AR09.10-P-1150MCB
Remove/install air filter housing	ENGINE 132.910 in MODEL 451.3 /4	AR09.10-P-1150MCC
Remove/install air filter housing	ENGINE 132.910 in MODEL 451.3 /4	AR09.10-P-1150MCU
Remove/install boost pressure sensor	ENGINE 132.930 in MODEL 451.3 /4	AR09.41-P-2001MCC
Remove/install charge air cooler	ENGINE 132.930 in MODEL 451.3 /4	AR09.41-P-6817MCC
Remove/install charge air cooler fan	ENGINE 132.930 in MODEL 451.3 /4	AR09.41-P-6820MCC
Remove/install charge air hose downstream of the charge air cooler	ENGINE 132.930 in MODEL 451.3 /4	AR09.41-P-8625MCC
Remove/install charge air manifold	ENGINE 132.930 in MODEL 451.3 /4	AR09.41-P-1310MCC
Remove/install intake manifold	ENGINES 132.910 in MODEL 451.3 /4	AR09.20-P-1310MCC
Remove/install intake manifold	ENGINES 132.910 in MODEL 451.3 /4	AR09.20-P-1310MCU
Remove/install oil feed line for turbocharger	ENGINES 132.930 in MODEL 451.3 /4	AR09.40-P-6022MCC
Remove/install oil return flow line of turbocharger	ENGINES 132.930 in MODEL 451.3 /4	AR09.40-P-6021MCC
Remove/install resonance chamber	ENGINES 132.930 in MODEL 451.3 /4	AR09.20-P-0010MCB
Remove/install resonance chamber	ENGINES 132.910 in MODEL 451.3 /4 up to 30.8.10	AR09.20-P-0010MCC
Remove/install resonance chamber	ENGINE 132...	AR09.20-P-0010MCU
Remove/install turbocharger	ENGINES 132.930 in MODEL 451.3 /4	AR09.40-P-6020MCC
Remove/install wastegate valve	ENGINE 132.930 in MODEL 451.3 /4	AR09.40-P-1000MCC

## TESTING & REPAIR > REMOVE/INSTALL AIR FILTER HOUSING - AR09.10-P-1150MCU >

ENGINE 132.910 in MODEL 451.3 /4

Fig 1: Identifying Air Filter Housing Components

- 1 Air filter housing bottom section
- 2 Top section of air filter housing
- 3 Retaining clips
- 4 Bolts
- 5 Air intake duct



PD9.10-2209-11

Courtesy of MERCEDES-BENZ OF NORTH AMERICA.




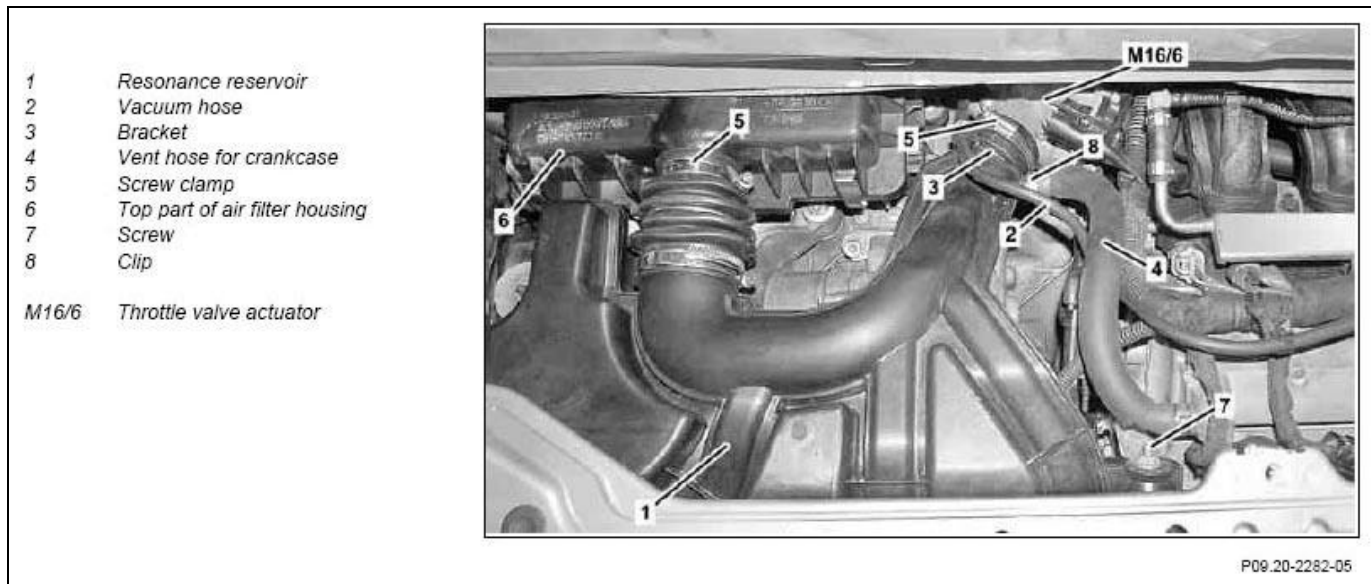
  <b>Remove/install</b>		
1	Remove resonance tank	AR09.20-P-0010MCU
2	Unlock retaining clamps (3) and remove top section of air filter housing (2) from air filter housing bottom section (1)	 <b>Installation:</b> Ensure correctObserve seating of top section of air filter housing (2) in the mounts on the air filter housing bottom section (1).
3	Remove air filter element from air filter housing bottom section (1)	
4	Remove bolts (4) for air filter housing bottom section (1) on transmission and remove together with shims	
5	Unclip air filter housing bottom section (1) upwards from holder on transmission	
6	Remove air intake pipe (5) on air filter housing bottom section (1)	
7	Lead air filter housing bottom section (1) out of engine compartment	
8	Install in the reverse order	

Fig 1: Identifying Resonance Chamber Components



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

❏ ❏	<b>Remove/install</b>		
1	Remove interior flap above engine		AR88.40- P-1100- 03MCC
2	Remove O2 sensor downstream of CAT [KAT]	* not for USA	AR07.04- P- 0080MCF
3	Unclip vacuum hose (2) from brackets (3) on resonator (1)		
4	Remove clamp (8) on crank case vent hose (4) on resonator (1)	ⓘ Retrofit clamp (8) on vehicles where not installed. ⓘ <b>Installation:</b> Replace clamp (8). Install clamp (8) as near as possible to resonator (1). Clamping pliers with side blade	
5	Detach crankcase vent hose (4) on resonator (1)		
6	Loosen screw clamps (5) and detach resonator (1) from air filter housing upper section (6) and from throttle valve actuator (M16/6)		
7	Unscrew bolt (7) and remove resonator (1)		
	Remove bracket (3) from		

8 re onator (1)

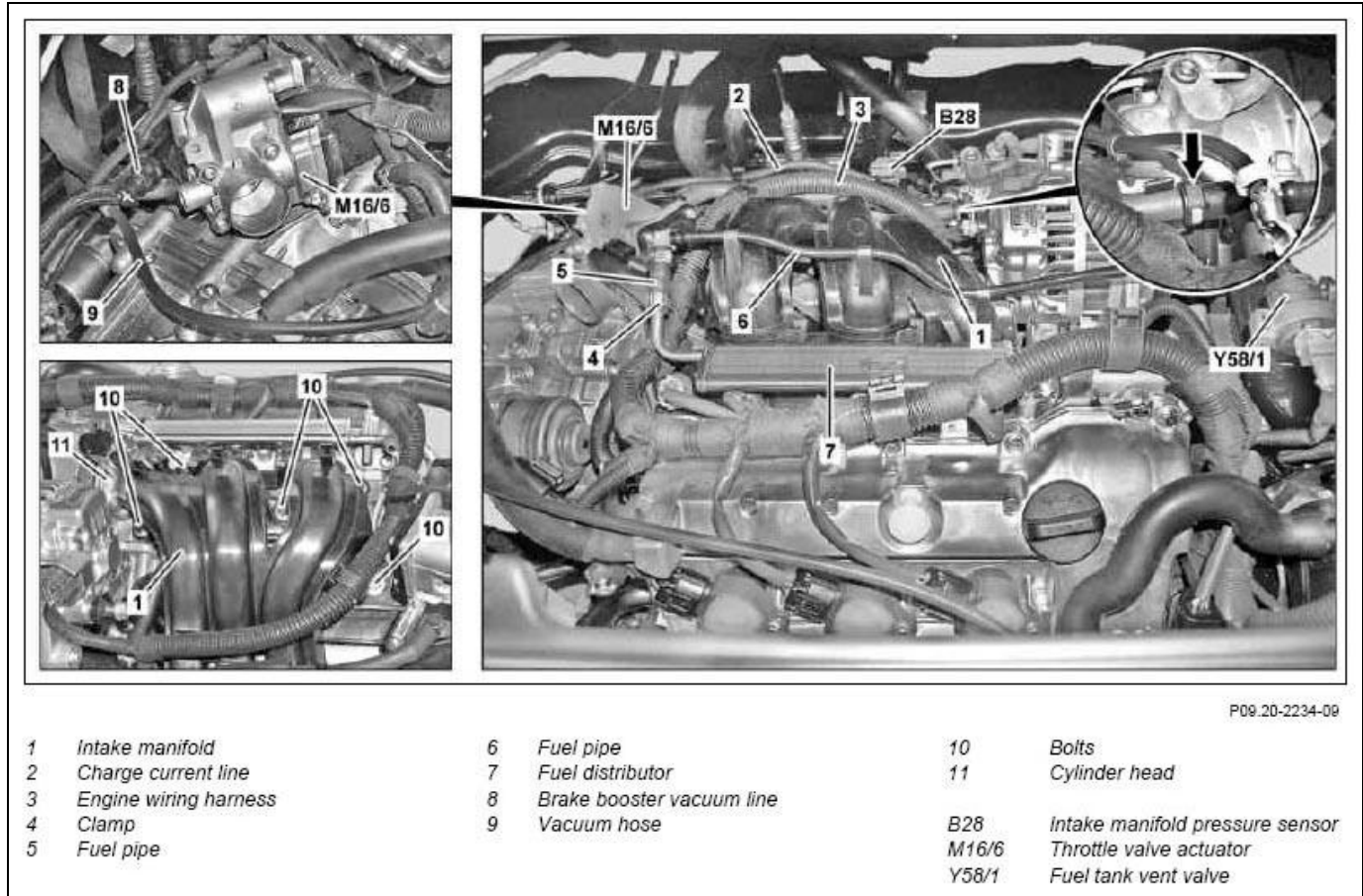
When replacing the re onator (1)

9 Install in the reverse order

### TESTING & REPAIR > REMOVE/INSTALL INTAKE MANIFOLD - AR09.20-P-1310MCU >







#### ENGINES 132.910 in MODEL 451.3 /4

Fig 1: Identifying Intake Manifold Components



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

<b>Remove/install</b>		
<b>Danger!</b>	<p><b>Risk of explosion</b> caused by fuel igniting, risk of poisoning caused by inhaling and swallowing fuel and <b>risk of injury</b> to eyes and skin caused by contact with fuel</p> <p>No fire, sparks, open flames or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.</p>	AS47.00-Z-0001-01A
1	Remove interior flap above engine	AR88.40-P-1100-03MCC
2	Disconnect ground line of battery	AR54.10-P-0003MCC
3	Lower rear drive module	AR01.00-P-

4	Lower vehicle with vehicle lift		
5	Detach charge current line (2) on intake manifold (1)		
6	Detach engine wiring harness (3) on intake manifold (1)		AR15.18-P-1000-01MCV
7	Unclip and interrupt separation point (arrow) for the line coming out of the mount on the intake manifold (1) from the tank vent valve (Y58/1)		
8	Detach clamp (4) and remove fuel line (5) from fuel distributor (7) Then unclip fuel line (6) from mounts on intake manifold (1)	<p> Seal fuel line (5) and fuel distributor (7) using suitable stop plugs.</p> <p><b>Installation:</b> Replace clamp (4).</p>	
9	Detach brake booster vacuum line (8) from intake manifold (1)		
10	Detach vacuum hose (9) from intake manifold (1)		
11	Remove bolts (10) and intake manifold (1) from cylinder head (11)	<p> Ensure that the spacer sleeves in the intake manifold (1) do not fall into the cylinder head (11) otherwise this can lead to engine damage.</p> <p><b>Installation:</b> Replace profiled rubber seals between the intake manifold (1) and the cylinder head (11).</p>	*BA09.20-P-1001-01J
			
12	Remove throttle flap actuator (M16/6) from intake manifold (1)	When replacing the intake pipe (1).	AR07.61-P-1401MCU
13	Remove intake manifold pressure sensor (B28) from intake manifold (1)	When replacing the intake pipe (1).	AR07.04-P-0100MCU
14	Remove fuel distributor (7) from intake manifold (1)	When replacing the intake pipe (1).	AR07.03-P-1450MCU
15	Install in the reverse order		
	<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	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