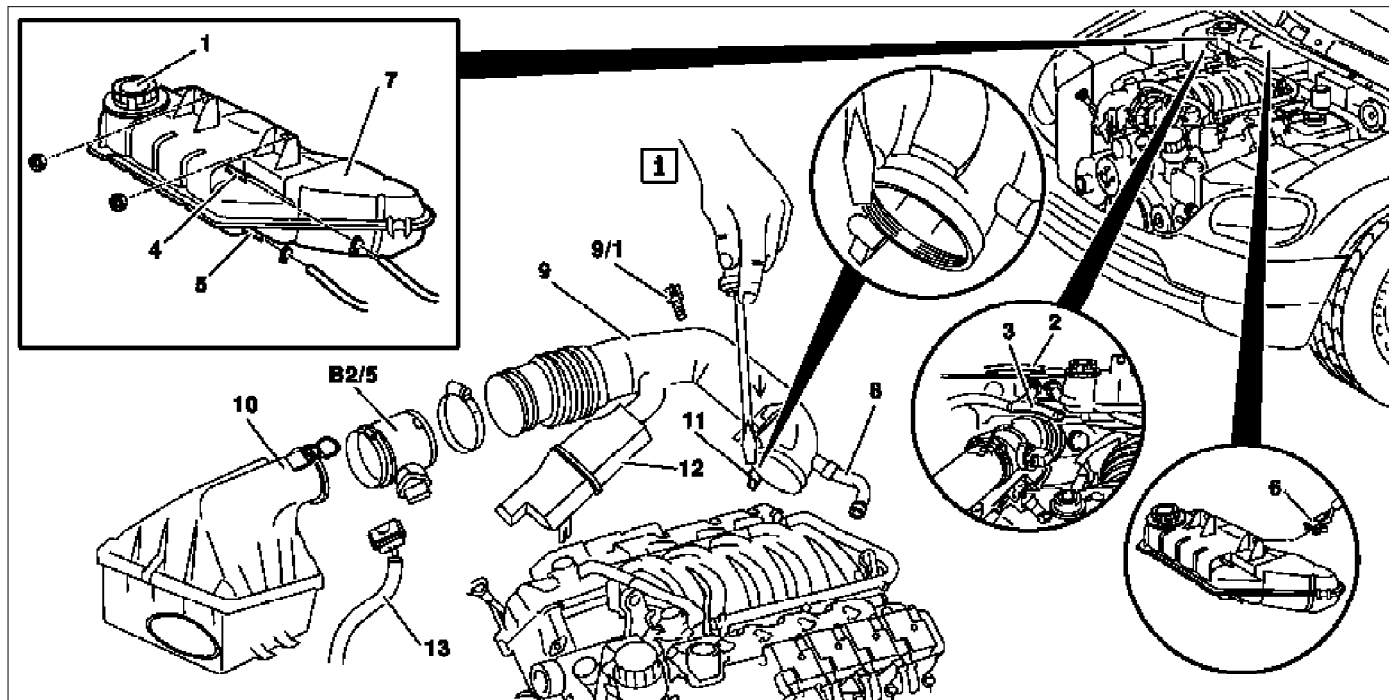


ENGINE 113.942 in MODEL 163.172

ENGINE 113.981 in MODEL 163.174

ENGINE 113.965 in MODEL 163.175



P07.61-2143-09

1 Expansion reservoir cap

2 Overflow pipe

3 Coolant line

4 Coolant line (expansion tank heat duct)

5 Coolant line (expansion tank radiator)

6 Connector

7 Expansion reservoir

8 Crankcase ventilation vacuum hose

9 Air intake pipe

9/1 Bolt

10 Air cleaner housing

11 Lock of air intake pipe

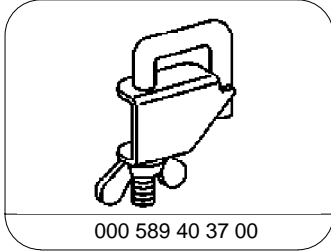
12 Resonance housing

13 Connector of hot film mass air flow sensor

B2/5 Hot film mass air flow sensor

☒ ☒	Remove/Install		
<p><b>⚠ Danger!</b></p> <p>1</p>	<p><b>Risk of injury</b> to skin and eyes suffering scalding from contact with hot coolant spray. <b>Risk of poisoning</b> from swallowing coolant.</p> <p>Open expansion reservoir cap (1) and drain overpressure</p>	<p>Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage bottles.</p> <p>Wear protective gloves, protective clothing and eye protection.</p> <p><b>i</b> 1-stage cap: Rotate cap half a revolution counterclockwise, release pressure relief, then unscrew cap.</p>	AS20.00-Z-0001-01A
2	Remove overflow pipe (2) from expansion tank (7)		
3	Detach coolant line (3), coolant line (expansion reservoir! Hheat duct) (4) and coolant line (expansion reservoir! Kradiator) (5) at expansion reservoir (7)	<p><b>i</b> Collect coolant</p> <p><b>☒</b> Clamp</p> <p><b>☒</b> 6 mm socket hexagon</p> <p><b>☒</b> 7 mm socket hexagon</p>	<p>*000589403700</p> <p>*WH58.30-Z-1001-06A</p> <p>*WH58.30-Z-1002-06A</p>
4	Remove expansion tank (7)		
5	Disconnect plug connector (6)		
6	Remove expansion tank (7)		
7	Detach vacuum hose crankcase ventilation (8)		
8	Unscrew air intake pipe (9) from cylinder head cover	<b>i</b> Unscrew bolt (9/1).	
9	Remove hot film mass air flow sensor (B2/5) from air filter housing (10)		

10	Push air intake pipe locking mechanism (11) downwards using screwdriver	<b>i</b> During this step unhinge air intake pipe at top  <b>i</b> Do not damage lock of air intake pipe (11).	
11	Remove resonance housing (12)		
12	Remove air intake pipe (9) and hot film mass air flow sensor (B2/5)	<b>i</b> For this step unplug plug of hot film mass air flow sensor (13).	
13	Install in the reverse order		
14	Pour in coolant		AR20.00-P-1142HA
15	Inspect cooling system for leaks		AR20.00-P-1010HA



000 589 40 37 00

Clamp

**Commercially available tools** (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1001-06A	6 mm hexagon socket wrench to flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-6
WH58.30-Z-1002-06A	7 mm socket hexagon on flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-7