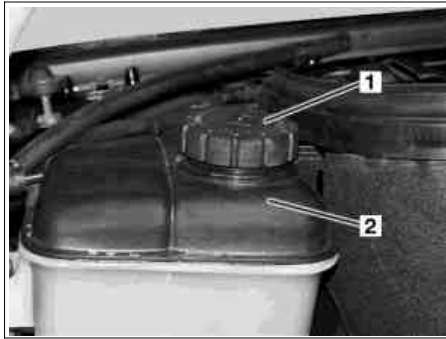
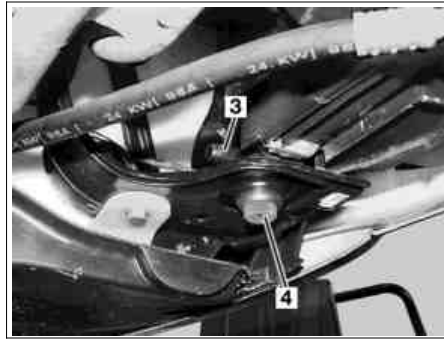


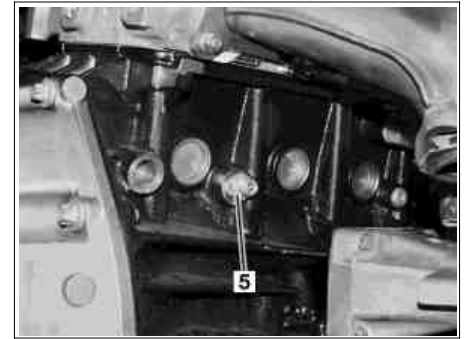
- ENGINE 112.912 in MODEL 203.061 /261, 209.361 /461**
- ENGINE 112.955 in MODEL 209.365 /465**
- ENGINE 112.961 in MODEL 203.065 /265**
- ENGINE 113.968 in MODEL 209.375 /475**
- ENGINE 113.987 in MODEL 209.376 /476**
- ENGINE 112.946 in MODEL 203.064 /264 /764**
- ENGINE 112.916 in MODEL 203.081 /281**
- ENGINE 112.953 in MODEL 203.084 /284**
- ENGINE 113.988 in MODEL 203.076 /276**
- ENGINE 113.989 in MODEL 171.473**



P20.00-2055-01



P20.20-2089-01



P20.00-2056-01

- 1 Cooling system cap
- 2 Coolant compensation tank

- 3 Connection at radiator
- 4 Drain plug of radiator

- 5 Drain plug for crankcase

**Modification notes**

14.10.04	Fill coolant using vacuum method added	Step 12	
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	<b>Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by scalding from contact with hot coolant spray. <b>Risk of poisoning</b> from swallowing coolant.	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 containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
		Notes on coolant		AH20.00-N-2080-01A
1	Open engine hood	Model 171 Model 203 Model 209		AR88.40-P-1000V AR88.40-P-1000P AR88.40-P-1000Q
2.1	Disconnect battery ground cable	Only when draining coolant at crankcase, right. Do not connect quiescent current retention device. Model 171 Model 203 Model 209		AR54.10-P-0003V AR54.10-P-0003P AR54.10-P-0003Q
3	Open cooling system cap (1) at coolant expansion reservoir (2)	Turn cooling system cap(1) 1/2 one revolution anti-clockwise, release pressure, then unscrew cooling system cap (1).		
4	Remove lower engine compartment paneling	Model 171 Models 203, 209		AR61.20-P-1105V AR61.20-P-1105P
	<b>Drain coolant from radiator</b>			
5	Slide collector siphon hose onto fitting at radiator (3).			
6	Open the radiator drain plug (4) and drain the coolant	Catch coolant with suitable vessel.		
7	Tighten radiator drain plug (4) and detach collector siphon hose from fitting at radiator (3).			
	<b>Drain coolant at crankcase</b>			

8	Loosen crankcase drain plug (5) and push collector siphon hose onto crankcase drain plug (5).		
9	Open the crankcase screw plug (5) and drain the coolant	Catch coolant with suitable vessel.	
10	Pull collector siphon hose off crankcase drain plug (5) and tighten crankcase drain plug (5).		*BA20.00-P-1001-02B
11	Lower vehicle		
	<b>Filling</b>		
12	Pour in coolant and bleed cooling system	Reuse the clean coolant.  	AR20.00-P-1142-04A *210589009100 *285589002100
<b>BB</b> <b>BB</b>	Coolant specifications	Sheet 310.1	BB00.40-P-0310-01A
	Anticorrosion/antifreeze agents (Sheet 325.0)	Sheet 325.0	BB00.40-P-0325-00A
	Notes on coolant level		*BF20.00-P-1001-02K AH20.00-P-1142-01P
13	Inspect cooling system for leaks		AR20.00-P-1010P
14	Install lower engine compartment paneling	Model 171 Models 203, 209	AR61.20-P-1105V AR61.20-P-1105P
15.1	Connect ground cable to battery	Only when the coolant has been drained at the crankcase, right. Model 171 Model 203 Model 209	AR54.10-P-0003V AR54.10-P-0003P AR54.10-P-0003Q
16	Close engine hood	Model 171 Model 203 Model 209	AR88.40-P-1000V AR88.40-P-1000P AR88.40-P-1000Q

**Engine cooling, general**

Number	Designation	Engines	Engine
		112, 113.940/941/ 942/943/944/ 945/946/948/ 960/961/963/ 964/965/966/ 967/968/971/ 980/981/984/ 986/987/988/ 990/991/992/ 995	113.989
BA20.00-P-1001-02B	Coolant drain plug to crankcase	Nm	12

**Cooling system**

Number	Designation	Engine 112.912/946 in model 203	Engine 112.912/946/955 in model 209	Engine 113.968 in model 209, 211 engine 113.969 in model 211
BF20.00-P-1001-02K	Cooling system Total filling capacity	Liters	≈10.5	≈10.5
				≈11.5

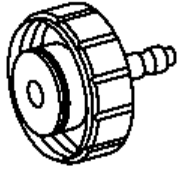
	Capacity of anticorrosion/ antifreeze agent down to -37 °C	Liters	≈5.25	≈5.25	≈5.75
	Filling capacity of anticorrosion/ antifreeze down to -45 °C	Liters	≈5.75	≈5.75	≈6.25
	Specifications for Operating Fluids	Sheet	BB00.40-P-0310-01 A	BB00.40-P-0310-01 A	BB00.40-P-0310-01 A
		Sheet	BB00.40-P-0325-00 A	BB00.40-P-0325-00 A	BB00.40-P-0325-00 A

 Cooling system

Number	Designation		Engine 112.916/953	Engine 112.961 in Model 203.065/ 265 AMG	Engine 113.987/988		
BF20.00-P-1001-02K	Cooling system	Total filling capacity	Liters	≈10.0	≈10.5	≈11.5	
		Capacity of anticorrosion/ antifreeze agent down to -37 °C	Liters	≈5.0	-	≈5.8	
		Filling capacity of anticorrosion/ antifreeze down to -45 °C	Liters	≈5.5	-	≈6.3	
		Specifications for Operating Fluids	Sheet		BB00.40-P-0310-01 A	-	BB00.40-P-0310-01 A
			Sheet		BB00.40-P-0325-00 A	-	BB00.40-P-0325-00 A

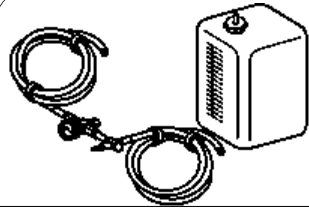
 Cooling system

Number	Designation		Engine 113.989 in model 171	
BF20.00-P-1001-02K	Cooling system	Total filling capacity	Liters	≈11.5
		Capacity of anticorrosion/ antifreeze agent down to -37 °C	Liters	≈5.55
		Filling capacity of anticorrosion/ antifreeze down to -45 °C	Liters	≈6.1
		Specifications for Operating Fluids	Sheet	BB00.40-P-0310-01 A



210 589 00 91 00

Test cap



285 589 00 21 00

Vacuum-type cooling system filler