

P20.00-2221-09

3 Fitting

5 Crankcase drain plug on the left

6 Crankcase drain plug on the right







4 Drain plug on radiator

10 Drain hose

**Modification notes**

6.3.06	Cooling system	Engine 272, 273	<a href="#">*BF20.00-P-1001-02U</a>
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	Drain		
<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> caused by 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.	<a href="#">AS20.00-Z-0001-01A</a>
<b>📌</b>	Notes on coolant		<a href="#">AH20.00-N-2080-01A</a>
1	Open engine hood		<a href="#">AR88.40-P-1000V</a>
2	Disconnect ground line from battery	When draining coolant at crankcase on the right.	<a href="#">AR54.10-P-0003V</a>
3	Open cooling system cap at coolant expansion reservoir	<b>i</b> Turn coolant cap 1/2 counterclockwise in one revolution and release excess pressure, then undo cooling system cap.	
4	Remove lower engine compartment paneling		<a href="#">AR61.20-P-1105V</a>
	<b>Drain coolant from radiator</b>		
5	Push siphon hose (10) onto left fitting (3) at radiator		
6	Open radiator drain plug (4) and drain coolant	<b>i</b> Catch coolant in a suitable vessel.	
7	Screw tight radiator drain plug (4) and detach siphon hose (10) from fitting (3)		
	<b>Drain coolant at crankcase, left</b>		
8	Loosen left crankcase drain plug (5) and slide siphon hose (10) onto left crankcase drain plug (5)		
9	Open left crankcase drain plug (5) and drain coolant	<b>i</b> Catch coolant in a suitable vessel.	
10	Detach siphon hose (10) and tighten left crankcase drain plug (5)	<b>Nm</b>	<a href="#">*BA20.00-P-1001-02E</a>
	<b>Drain coolant at crankcase, right</b>		
11	Loosen right crankcase drain plug (6) and slide siphon hose onto right crankcase drain plug (6)		
12	Open the right crankcase drain plug (6) and drain the coolant	<b>i</b> Catch coolant in a suitable vessel.	

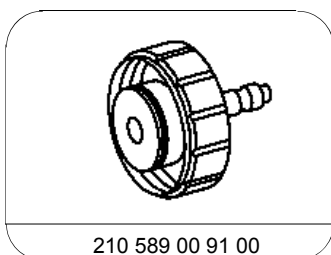
13	Detach siphon hose and tighten right crankcase drain plug (6)	Nm	*BA20.00-P-1001-02E
14	Lower vehicle		
	<b>Filling</b>		
15	Pour in coolant and bleed cooling system	<i>i</i> Reuse clean coolant.   Sheet 310.1 Sheet 325.0 	AR20.00-P-1142-04A *210589009100 *285589002100 BB00.40-P-0310-01A BB00.40-P-0325-00A *BF20.00-P-1001-02U AH20.00-P-1142-01V
 <b>BB</b>	Coolant specifications		
 <b>BB</b>	Anticorrosion/antifreeze agents (Sheet 325.0)		
	Notes on coolant level		
16	Inspecting cooling system for leaks		AR20.00-P-1010V
17	Install lower engine compartment paneling		AR61.20-P-1105V
18	Connect ground cable to battery	When the coolant has been drained at the crankcase on the right.	AR54.10-P-0003V
19	Connect STAR DIAGNOSIS, read out fault memory and erase if necessary	If ground line for battery has been disconnected.	

 **Engine cooling, general**

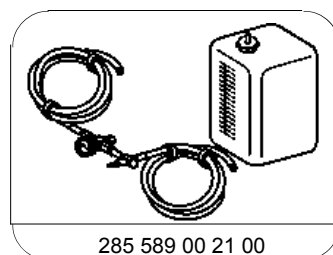
Number	Designation	Engine 272
BA20.00-P-1001-02E	Coolant drain plug to crankcase Nm	12

 **Cooling system**

Number	Designation	Engine 272 in model 171, 209, Engine 272.920/940/941 in model 203	
BF20.00-P-1001-02U	Cooling system	Total filling capacity ≈Liters	7
		Antifreeze/water	Up to -37°C 50/50
			up to -45°C 55/45
	Specifications for Operating Fluids	Sheet	BB00.40-P-0310-01A
		Sheet	BB00.40-P-0325-00A



Test cap



Vacuum-type cooling system filler