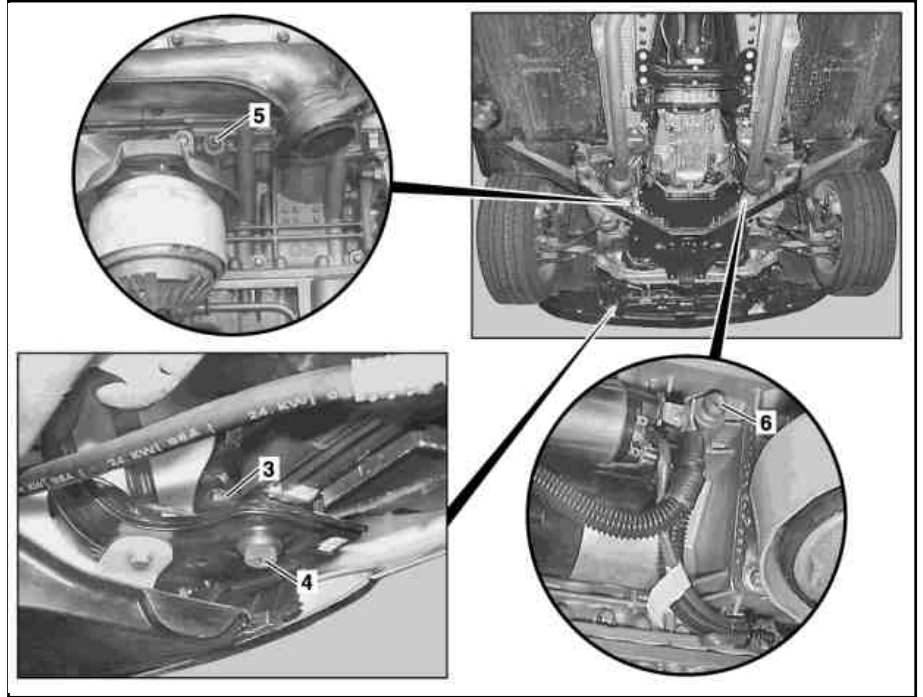


ENGINE 272.920 in MODELS 203.052 /252 /752
ENGINE 272.940 in MODELS 203.054 /254, 209.354 /454
ENGINE 272.960 in MODELS 203.056 /256 /756, 209.356 /456
ENGINE 272.970 in MODELS 203.087 /287
ENGINE 272.941 in MODELS 203.092 /292
ENGINE 273 in MODEL 209

- 3 Fitting
- 4 Drain plug of radiator
- 5 Crankcase drain plug on the left
- 6 Crankcase drain plug on the right



P20.00-2288-06

Modification notes

6.3.06	Cooling system	Engines 272, 273	*BF20.00-P-1001-02U
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	Drain		
⚠ Danger!	Risk of injury caused by fingers being pinched or crushed 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
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off the lifting platform.	Align vehicle between columns of lifting platform and position four support plates at lifting platform support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
⚠ Danger!	Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning 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 203 Model 209	AR88.40-P-1000P AR88.40-P-1000Q
2	Disconnect ground line from battery	When draining coolant at right drain plug (6) on crankcase Model 203 Model 209	AR54.10-P-0003P AR54.10-P-0003Q
3	Unscrew cap on coolant expansion reservoir	i Slowly unscrew cap and reduce excess pressure.	
4	Remove the front section of the lower engine compartment paneling		AR61.20-P-1105P
Drain coolant from radiator			
5	Slide siphon hose on to left fitting (3) at radiator		
6	Slacken siphon hose (4) at radiator and drain coolant.	i Collect coolant in the coolant container Observe regulations for disposal of coolant.	
Drain coolant at crankcase			

7	Remove rear section of lower engine compartment paneling		AR61.20-P-1105P
8	Loosen crankcase drain plug at left (5) and right (6) at crankcase until they can be turned by hand		
9	Slide drain hose onto crankcase drain plug at left (5) and right (6)		
10	Continue to manually loosen crankcase drain plug at left (5) and right (6) and drain off coolant	Collect coolant in the coolant container Observe regulations for disposal of coolant.	
	Filling		
11	Tighten drain plug (4) at radiator and detach siphon hose from fitting (3)	After coolant is drained at radiator	
12	Detach drain hose and tighten crankcase drain plug at left (5) and right (6)	After draining coolant at crankcase. 	*BA20.00-P-1001-02E
13	 BB Pour in coolant and bleed cooling system Notes on coolant level Coolant specifications	Cooler vacuum filling device 	AR20.00-P-1142-04T AH20.00-P-1142-01P BB00.40-P-0310-01A *285589002100 *BF20.00-P-1001-02U
14	Inspect cooling system for leaks		AR20.00-P-1010QB
15	Attach ground lead to battery	After draining coolant at right drain plug (6) on crankcase Model 203 Model 209	AR54.10-P-0003P AR54.10-P-0003Q
16	Install front or rear section for lower engine compartment paneling		AR61.20-P-1105P

Engine cooling, general

Number	Designation	Engine 272	Engine 273
BA20.00-P-1001-02E	Coolant drain plug to crankcase Nm	12	12

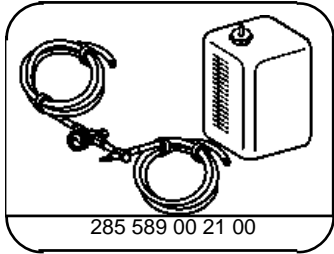
Cooling system

Number	Designation	Engine 272	Engine 272		
		in model 171, 209, Engine 272.920/940/941 in model 203	in model 230 Engine 272.960/970 in model 203		
BF20.00-P-1001-02U	Cooling system	Total filling capacity ≈Liters	7	7.5	
		Antifreeze/water	Up to -37°C	50/50	50/50
			Up to -45°C	55/45	55/45
	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 273 in model 209
BF20.00-P-1001-02U	Cooling system Total filling capacity ≈Liters	7.5

	Antifreeze/water	Up to -37°C	50/50
		Up to -45°C	55/45
	Specifications for Operating Fluids	Sheet	BB00.40-P-0310-01 A
		Sheet	BB00.40-P-0325-00 A



Vacuum-type cooling system filler