



P20.10-2165-08

1 Upper coolant hose
1a O-ring
2 Coolant thermostat housing

2a Bolt
2b O-ring
2c Gasket

3 Pulley
Y110 Three-disk thermostat valve

	Remove, install		
	Notes on avoiding damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Switch ignition off, remove ignition key (transmitter key).	On vehicles with Code 889 Keyless Go: Press keyless go start/stop button repeatedly until the ignition is switched off. Remove the Keyless Go transmitter card or transmitter key from the vehicle and store beyond the reach of the transmitter (min. 2 m).	
2	Drain coolant from radiator		AR20.00-P-1142TS
3	Remove left engine intake air duct and pull front engine cover upwards and out of the mounts		
4.1	Dismount the top coolant hose (1) from the coolant thermostat housing (2) and place it on the side	Engine 272 Installation: Replace O-ring (1a).	
4.2	Loosen coolant pipe from coolant thermostat and front cover at left cylinder head and place to one side	Engine 273 Nm Nm	*BA20.10-P-1005-01U *BA20.10-P-1006-01U
5	Remove guide pulley (3) of poly-V-belt		AR13.20-P-0001TS
6	Unlatch electrical connector at three-disk thermostat valve (Y110) and disconnect		
7	Remove bolts (2a, 2 pieces)	Nm	*BA20.10-P-1003-01U
8	Pull out coolant thermostat housing (2) with coolant thermostat from timing case cover	The coolant thermostat and coolant thermostat housing (2) are a single unit. The coolant thermostat must not be taken out of coolant thermostat housing (2) as it can get damaged in the process. Installation of engine 272: Replace O-ring (2b) and gasket (2c). Installation of engine 273: Replace gasket (2c).	
9	Install in the reverse order		
	Checking		
Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the running engine	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A

10	Conduct engine test run and check the engine for leaks		
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Nm Coolant pump, coolant thermostat

Number	Designation		Engine 272	Engine 273
BA20.10-P-1003-01U	Bolt connecting coolant thermostat housing at timing case cover	Nm	25	25
BA20.10-P-1005-01U	Bolt connecting coolant pipe to coolant thermostat housing	Nm	-	9
BA20.10-P-1006-01U	Bolt connecting coolant pipe to cylinder head front cover	Nm	-	9