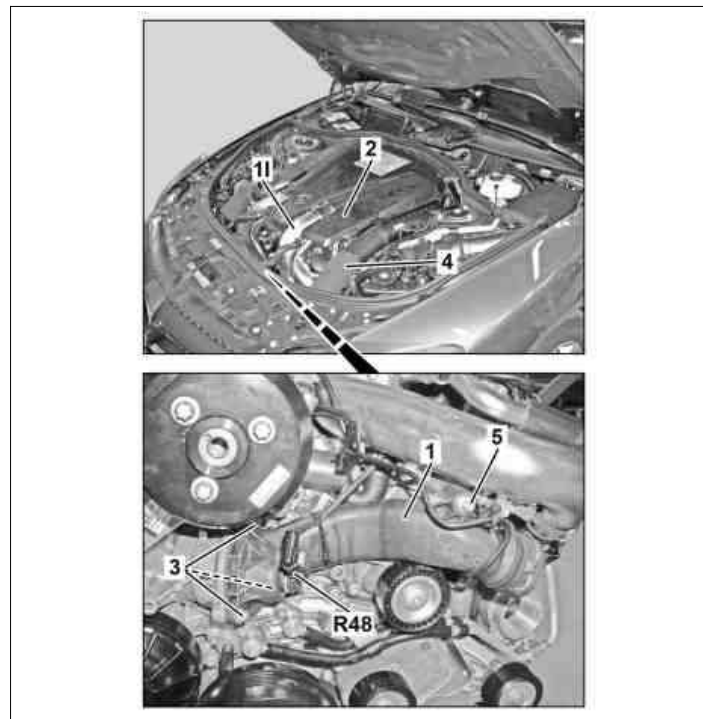


ENGINE 278 in MODEL 207

ENGINE 157, 278 in MODEL 212, 218

- 1 Coolant thermostat housing  
 1l Upper charge air duct on the left  
 2 Left engine cover  
 3 Screw/bolts  
 4 Engine air intake duct  
 5 Screw/bolt  
 R48 Coolant thermostat heating element



P20.10-2287-12

	<b>Risk of injury</b> caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	No parts of the body or limbs should be within the operating area when the components are moving.	AS00.00-Z-0011-01A
	<b>Remove/install</b>		
1	Switch off ignition		
2	Remove left engine cover (2)		
3	Remove engine air intake duct (4) on left air filter housing		
4	Remove poly-V belt		AR13.20-P-0001ELB
5	Remove upper charge air duct on the left (1l)		AR09.41-P-8620ELB
6	Disconnect electrical connector on coolant thermostat heating element (R48)		
7	Drain coolant Notes on coolant	ENGINE 278 in MODEL 207  ENGINE 157, 278 in MODEL 212, 218	AR20.00-P-1142FH AH20.00-N-2080-01A AR20.00-P-1142EL AR09.41-P-1311-01AL
8	Remove coolant hose on coolant thermostat housing (1)		
9	Remove screw/bolt (5) on oil filter housing	Screw/bolt, housing for coolant thermostat to oil filter housing	*BA20.10-P-1005-01W
10	Remove screw/bolts (3) for coolant thermostat housing (1) on coolant pump	Screw/bolt, coolant thermostat housing to coolant pump/oil filter housing	*BA20.10-P-1002-01W
11	Remove coolant thermostat housing (1)	 The coolant thermostat must not be removed from coolant thermostat housing (1). The coolant thermostat will be destroyed in the process. <b>Installation:</b> Replace O-ring and seal.	
12	Install in the reverse order		
	<b>Check</b>		

13	<p><b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running.</p> <p>Perform an engine test run and check engine for leaks</p>	<p>Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	AS00.00-Z-0005-01A
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**Nm** Coolant pump, coolant thermostat

Number	Designation	ENGINE 157	ENGINE 278
BA20.10-P-1002-01W	Screw/bolt, coolant thermostat housing to coolant pump/oil filter housing	2	2
	Stage 1 Nm	2	2
	Stage 2 Nm	9	9

**Nm** Coolant pump, coolant thermostat

Number	Designation	ENGINE 157	ENGINE 278
BA20.10-P-1005-01W	Screw/bolt, housing for coolant thermostat to oil filter housing	2	2
	Stage 1 Nm	2	2
	Stage 2 Nm	9	9