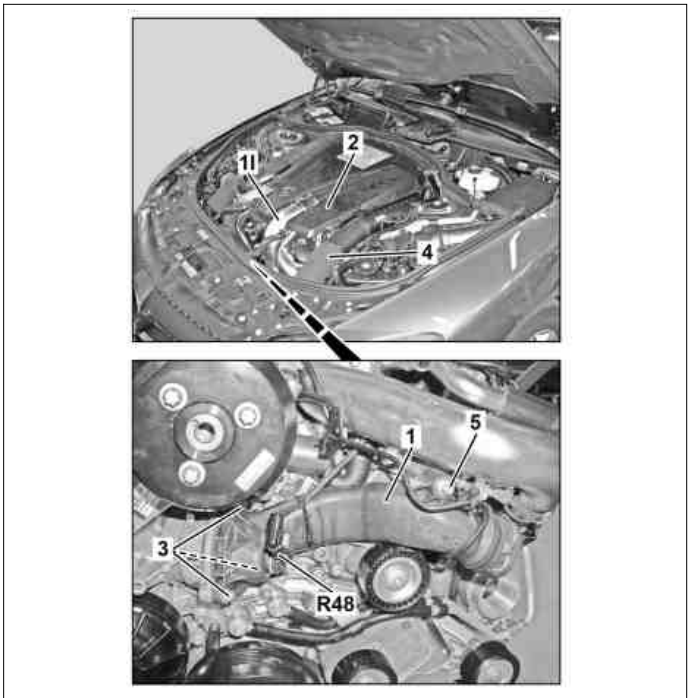


ENGINES 157, 278 in MODEL 216, 221

Shows model 216.373

- 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 Two-disk thermostat heating element



P20.10-2287-12

| ☒ ☒ | Remove/install | | |
|-----|--|---|---------------------|
| | Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof | Keep body parts and limbs well clear of moving parts. | AS00.00-Z-0011-01A |
| 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-0001MMB |
| 5 | Remove upper charge air duct on the left (1l) | | AR09.41-P-8620MMB |
| 6 | Disconnect electrical connector on two-disk thermostat heating element (R48) | | |
| 7 | Drain coolant at radiator | | AR20.00-P-1142MM |
| ⓘ | Notes on coolant | | AH20.00-N-2080-01A |
| 8 | Remove coolant hose on coolant thermostat housing (1) | | AR09.41-P-1311-01AL |
| 9 | Remove screw/bolt (5) on oil filter housing | Nm | *BA20.10-P-1005-01W |
| 10 | Remove screw/bolts (3) for coolant thermostat housing (1) on coolant pump | Nm | *BA20.10-P-1002-01W |
| 11 | Remove coolant thermostat housing (1) | ⓘ The coolant thermostat must not be taken out of the coolant thermostat housing (1) as it can get damaged in the process. ⓘ Installation: Install new O-ring and seal. | |
| 12 | Install in the reverse order | | |
| ◀ | Checking | | |
| 13 | 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 engine as it is running Perform engine test run and check engine for leaks | Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts. | AS00.00-Z-0005-01A |

Nm Coolant pump, coolant thermostat

| Number | Designation | Engine 157 | Engine 278 |
|--------|-------------|---------------|---------------|
| | | | |

| | | | | | |
|--------------------|--|---------|----|---|---|
| BA20.10-P-1002-01W | Screw/bolt, coolant thermostat housing to coolant pump | Stage 1 | Nm | 2 | 2 |
| | | Stage 2 | Nm | 9 | 9 |
| BA20.10-P-1005-01W | Screw/bolt, coolant thermostat housing to oil filter housing | Stage 1 | Nm | 2 | 2 |
| | | Stage 2 | Nm | 9 | 9 |