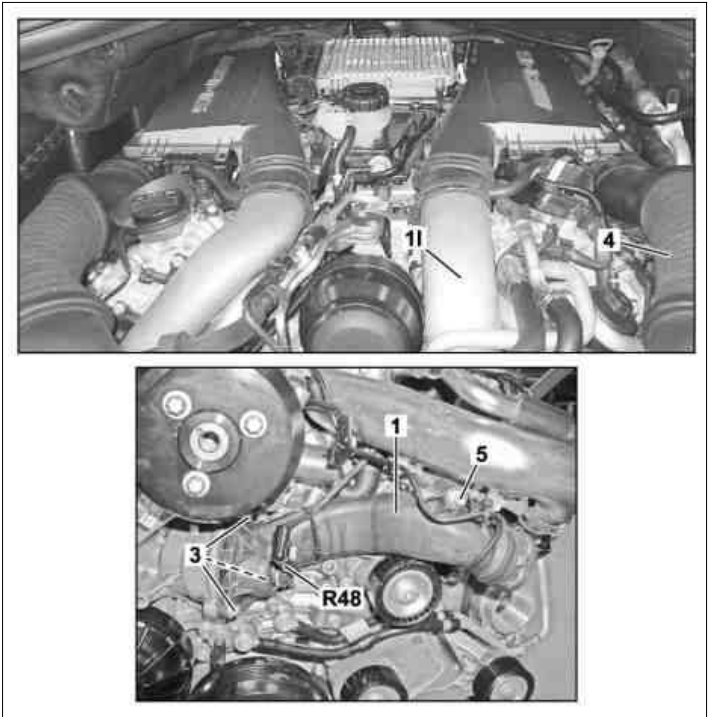


Engine 157, 278 in model 166

Engine 157, 278 in model 292

Shown on engine 157

- 1 Coolant thermostat housing
- 1l Left upper charge air line
- 3 Screw/bolts
- 4 Engine air intake duct
- 5 Screw/bolt
- R48 Coolant thermostat heating element




P20.10-2357-12

| ☒ ☒    | Remove/install  |    |   |
|--------|---|----|---|
| 1      | Remove poly-V belt  |    | AR13.22-P-1202MLJ   |
| 2      | Remove upper left charge air line (1l)  |    | AR09.41-P-8620MLJ   |
| 3      | Disconnect electrical connection on coolant thermostat heating element (R48)  |    |   |
| 4<br>ⓘ | Drain coolant at radiator<br>Notes on coolant   |    | AR20.00-P-1142GQ<br>AH20.00-N-2080-01A  |
| 5      | Detach coolant hose on coolant thermostat housing (1)   |    | AR20.20-P-7441-01RQ   |
| 6      | Remove screw/bolt (5) on oil filter housing   | Nm | Bolt, coolant thermostat housing to oil filter housing<br>*BA20.10-P-1005-01W   |
| 7      | Remove screw/bolts (3) for coolant thermostat housing (1) on coolant pump   | Nm | Bolt, coolant thermostat housing to coolant pump/oil filter housing<br>*BA20.10-P-1002-01W  |
| 8      | Remove coolant thermostat housing (1)   | ⓘ  | The coolant thermostat must not be removed from coolant thermostat housing (1). It will be destroyed otherwise.<br><b>i</b> <b>Installation:</b> Replace O-ring and seal. |
| 9      | Install in the reverse order  |    |   |
| ☒      | Check   |    |   |
| 10     | <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.<br>Perform an engine test run and check engine for leaktightness |    | Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.<br>AS00.00-Z-0005-01A            |

**Nm** Coolant pump, coolant thermostat

| Number             | Designation  |         | Engine 157 | Engine 278 |
|--------------------|--|---------|------------|------------|
| BA20.10-P-1002-01W | Bolt, coolant thermostat housing to coolant pump<br>oil filter housing | Stage 1 | Nm         | 2          |
|                    |  | Stage 2 | Nm         | 9          |

 Coolant pump, coolant thermostat

| Number             | Designation   |         | Engine 157 | Engine 278 |
|--------------------|---|---------|------------|------------|
| BA20.10-P-1005-01W | Bolt, coolant thermostat housing to oil filter<br>housing | Stage 1 | Nm         | 2          |
|                    |   | Stage 2 | Nm         | 9          |