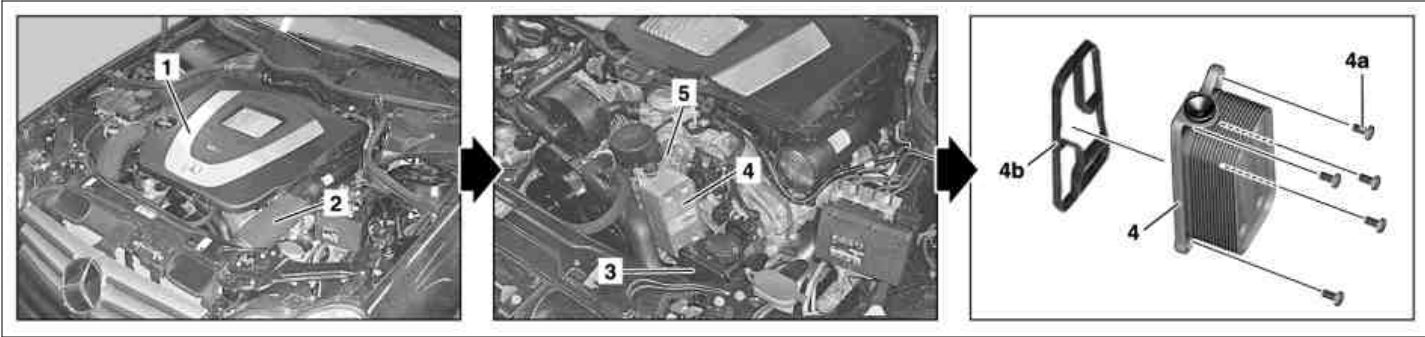


ENGINE 272.920 in MODEL 203.052 /252 /752
 ENGINE 272.940 in MODEL 203.054 /254, 209.354 /454
 ENGINE 272.941 in MODEL 203.092 /292
 ENGINE 272.960 in MODEL 203.056 /256 /756, 209.356 /456
 ENGINE 272.970 in MODEL 203.087 /287
 ENGINE 273 in MODEL 209



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Shown on model 209










- 1 Front engine cover
- 2 Intake air duct
- 3 Power steering reservoir
- 4 Oil/water heat exchanger
- 5 Oil filter housing
- 6 Coolant pipe
- 6a Coolant hoses
- 6b Bolts
- 7 Hose
- 8 Aspirator shutoff valve
- M33 Electric air pump

- 4a Bolts
- 4b Seal



P20.20-2318-06

| | | | |
|-------------------------|---|--|---------------------------|
| | <p>Remove/install</p> | | |
| <p>⚠ Danger!</p> | <p>Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.</p> | <p>Keep body parts and limbs well clear of moving parts.</p> | <p>AS00.00-Z-0011-01A</p> |
| <p>⚠ Danger!</p> | <p>Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning from swallowing coolant.</p> | <p>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.</p> | <p>AS20.00-Z-0001-01A</p> |

| | | | |
|--|---|--|--|
|  Danger! | Risk of death caused by vehicle slipping or toppling off of the lifting platform. | Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer. | AS00.00-Z-0010-01A |
| 1 | Open engine hood and raise to vertical position | Model 203 Model 209 | AR88.40-P-1000P AR88.40-P-1000Q |
| 2 | Raise vehicle with lifting platform | | AR00.60-P-1000P |
| 3 | Remove bottom engine compartment paneling |  Installation: Install the bottom engine compartment paneling only after leak test. | AR61.20-P-1105P |
| 4 | Drain coolant from radiator | | AR20.00-P-1142QB |
| 5 | Remove front engine cover (1) |  Pull out the front engine cover (1) from the mounts. | |
| 6 | Remove the left intake air duct (2) | | |
| 7 | Dismount hose (7) from electrical air pump (M33) and air shutoff valve (8) | Engine 273 | |
| 8 | Dismount coolant hoses (6a), unscrew bolts (6b) and remove coolant pipe (6) | Engine 273   | *BA20.10-P-1005-01U *BA20.10-P-1006-01U |
| 9 | Detach the expansion reservoir (3) of the power steering from the front cover | Engine 272 Model 203 without CODE (480) level control on rear axle Model 209 Model 203 with CODE (480) level control on rear axle | AR46.25-P-1000QB |
| 10 | Unscrew bolts (4a) |  | *BA18.30-P-1001-01G |
| 11 | Remove oil-water heat exchanger (4) from oil filter housing (5) |  Replace gasket (4b). | |
| 12 | 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 |
| 13 | Check engine oil level, correct if required. | | |
| 14 | Conduct engine test run and check the engine for leaks | | |

Coolant pump, coolant thermostat

| Number | Designation | Engine 273 |
|--------------------|--|------------|
| 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 |

Oil cooling system

| Number | Designation | Engine 272 | Engine 273 |
|--------------------|--|------------|------------|
| BA18.30-P-1001-01G | Bolt connecting oil-water heat exchanger to oil filter housing | Nm 12 | 12 |