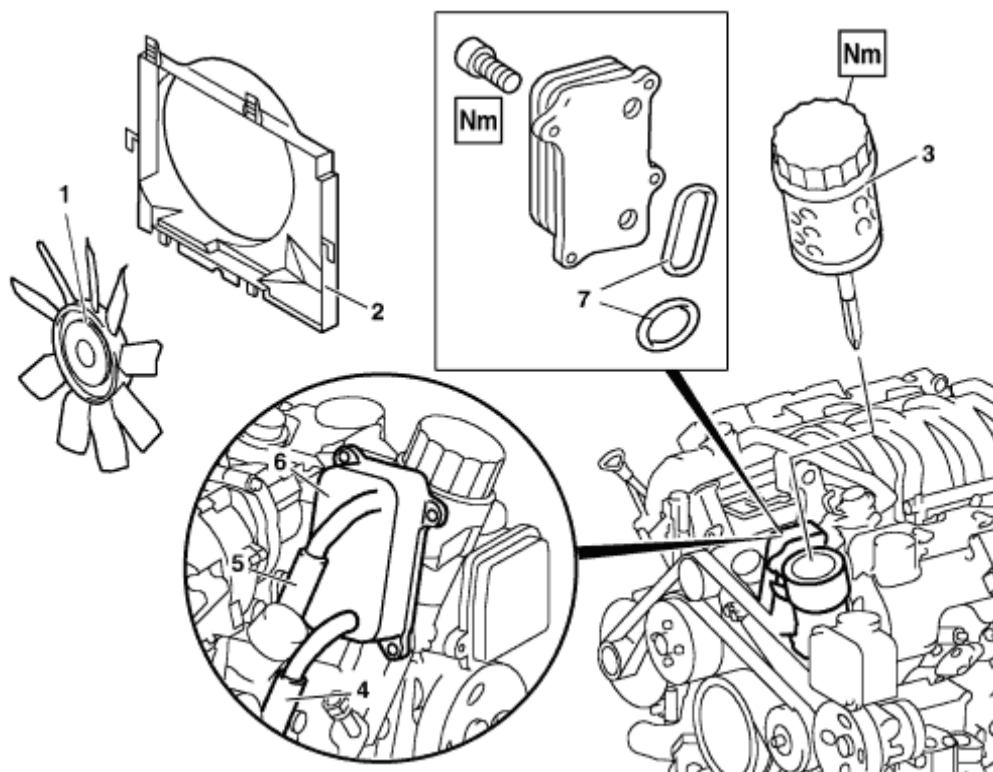


| | | |
|-----------------|---|---------|
| AR18.30-P-3481C | Remove/install oil-water heat exchanger at oil filter | 12.6.96 |
|-----------------|---|---------|

ENGINE 112
ENGINE 113 (except 113.965 /981)










Shown on engine 112 without air pump

- 1 Viscous fan
- 2 Fan shroud
- 3 Cap of oil filter housing
- 4 Coolant line
- 5 Coolant line
- 6 Oil-water heat exchanger
- 7 Seals



P18.30-0214-06

| | | | |
|---|-------------------------------------|---|--|
| | Remove/Install | | |
| 1 | Remove engine trim panel or cleaner | Remove engine trim panel or air cleaner by pulling it vertically up and off the cylinder head covers. | |
| | | | |

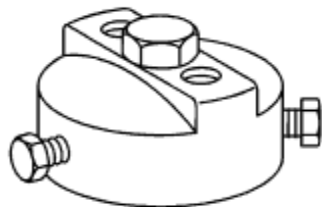
| | | | |
|--|--|---|------------------------------------|
| 2 | Remove viscous fan (1) |  Right-hand thread! | AR20.40-P-5660C |
| 3 | Remove fan shroud (2) |  On model 163 unscrew bolts at bottom of fan shroud. | |
| 4 | Unscrew oil filter housing cover (3) |  | BA18.20-P-1001-01D |
| | |  Socket wrench bit | 103 589 02 09 00 |
|  Danger! | Risk of injury to skin and eyes suffering scalding from contact with hot coolant spray. Risk of poisoning from swallowing coolant. | 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 bottles. Wear protective gloves, protective clothing and eye protection. | AS20.00-Z-0001-01A |
| 5 | Drain coolant at radiator |  Model 163: For draining coolant, remove bottom coolant line at radiator or at coolant pump. | AR20.00-P-1142HA |
| 6 | Remove coolant line (4, 5) at oil-water heat exchanger (6) | | |
| 7 | Remove air pump |  Only on engines fitted with air pump. | |
| | | Model 163 | AR14.30-P-7251A |
| 8 | Detach oil-water heat exchanger (6) at oil filter housing |  Installation: Install new sealing rings (7). | |
| | |  | BA18.30-P-1001-01B |
| 9 | Install in the reverse order | | |
| 10 | Inspect cooling system for leaks | | AR20.00-P-1010HA |

 Oil filter

| Number | Designation | | Engine 112 | Engine 113.942 |
|--------------------|-------------------------|----|------------|----------------|
| BA18.20-P-1001-01D | Screw cap at oil filter | Nm | 25 | 25 |

Nm Oil cooling system

| Number | Designation | | Engine 112 | Engine 113.942 |
|--------------------|--|----|------------|----------------|
| BA18.30-P-1001-01B | Oil-water heat exchanger to oil filter housing | Nm | 11 | 11 |



103 589 02 09 00

Socket wrench bit