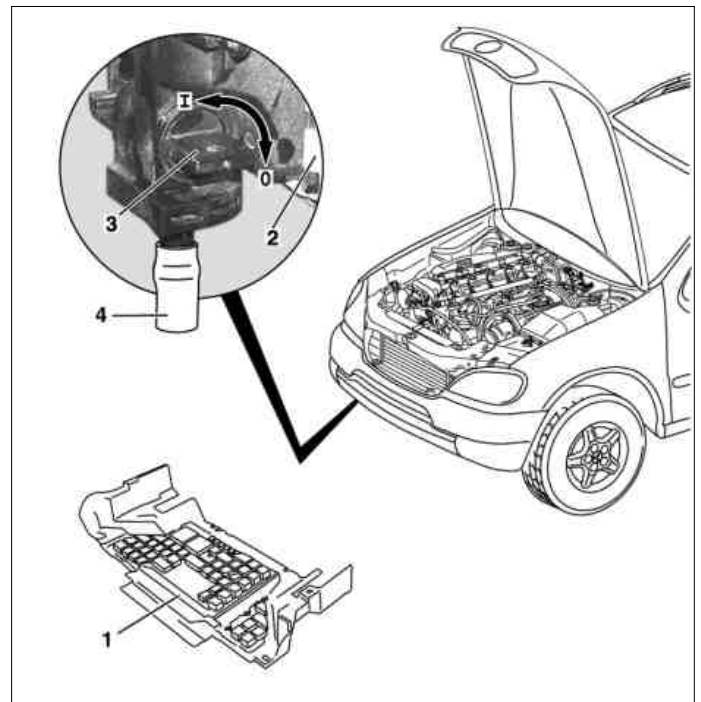


- 1 Front noise encapsulation
- 2 Radiator
- 3 Drain cock
- 4 Drain hose



P20.20-2083-12

## Modification notes

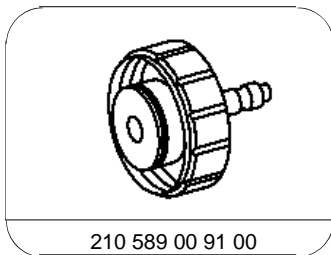
|          |                                  |         |  |
|----------|----------------------------------|---------|--|
| 14.10.04 | Fill coolant using vacuum method | Step 10 |  |
|----------|----------------------------------|---------|--|

|                  | Draining  |   |  |
|------------------|---|---|--|
| <b>⚠ Danger!</b> | <b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.  | Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.   | AS00.00-Z-0010-01A                                   |
| <b>⚠ Danger!</b> | <b>Risk of injury</b> to skin and eyes suffering scalding from contact with hot coolant spray.<br><b>Risk of poisoning</b> 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.<br>Wear protective gloves, protective clothing and eye protection. | AS20.00-Z-0001-01A                                   |
| <b>ⓘ</b>         | Notes on coolant  |   | AH20.00-N-2080-01A                                   |
| 1                | Open engine hood  |   | AR88.40-P-1000GI                                     |
| 2                | Open cooling system cap on coolant expansion reservoir  | <b>i</b> Turn cooling system cap half a turn in an anti-clockwise direction, release overpressure and undo cooling system cap.  |  |
| 3                | Raise vehicle.  |   |  |
| 4                | Remove bottom part of noise encapsulation at front (1)  |   | AR94.30-P-5400GH                                     |
| 5                | Slide the siphon hose onto the drain pipe (4) at the radiator   |   |  |
| 6                | Drain coolant at radiator (2) on right  | <b>i</b> To do this, turn drain tap (3) at radiator (2) into position "I" (arrow).<br>Catch coolant with suitable vessel.   |  |
| 7.1              | Remove oil from cooling and heating system  | If cooling and heating system contains impurities, clean.   | AR20.00-P-1250B                                      |
| 8                | Turn drain tap (3) at radiator (2) into position "0" (arrow)  |   |  |
| 9                | Lower vehicle   |   |  |
|                  | <b>Pouring in</b>   |   |  |
| 10               | Pour in coolant and bleed cooling system  | <b>i</b> Reuse the clean coolant.<br><b>☑</b><br><b>☑</b>   | AR20.00-P-1142-04A<br>*210589009100<br>*285589002100 |
| <b>BB</b>        | Coolant specifications  | Sheet 310.1   | BB00.40-P-0310-01A                                   |
| <b>BB</b>        | Anticorrosion/antifreeze agents (Sheet 325.0)   | Sheet 325.0   | BB00.40-P-0325-00A                                   |
|                  |   | <b>☑</b>  | *BF20.00-P-1001-02E                                  |

|          |   |                    |
|----------|---|--------------------|
| <b>i</b> | Notes on coolant level                              | AH20.00-P-1142-01A |
| 11       | Inspect cooling system for leaks                    | AR20.00-P-1010HA   |
| 12       | Raise vehicle.                                      |                    |
| 13       | Fit bottom part of noise encapsulation at front (1) | AR94.30-P-5400GH   |
| 14       | Lower vehicle                                       |                    |
| 15       | Close engine hood                                   | AR88.40-P-1000GI   |

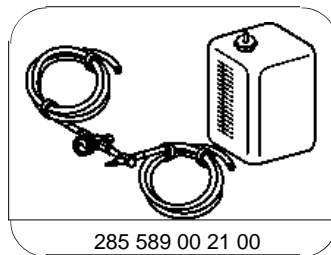
**Cooling system**

| Number             | Designation    | Engine<br>612.963  |                    |
|--------------------|----------------|--|--------------------|
| BF20.00-P-1001-02E | Cooling system | Total capacity<br>Liters   | ≈11,0              |
|                    |                | Capacity of anticorrosion/<br>antifreeze agent down to<br>-37 °C<br>Liters | ≈5.5               |
|                    |                | Capacity of anticorrosion/<br>antifreeze agent down to<br>-45 °C<br>Liters | ≈6,25              |
|                    |                | Specifications for Operating<br>Fluids<br>Sheet                            | BB00.40-P-0310-01A |
|                    |                | Sheet  | BB00.40-P-0325-00A |



210 589 00 91 00

Test cap



285 589 00 21 00

Vacuum-type cooling system filler