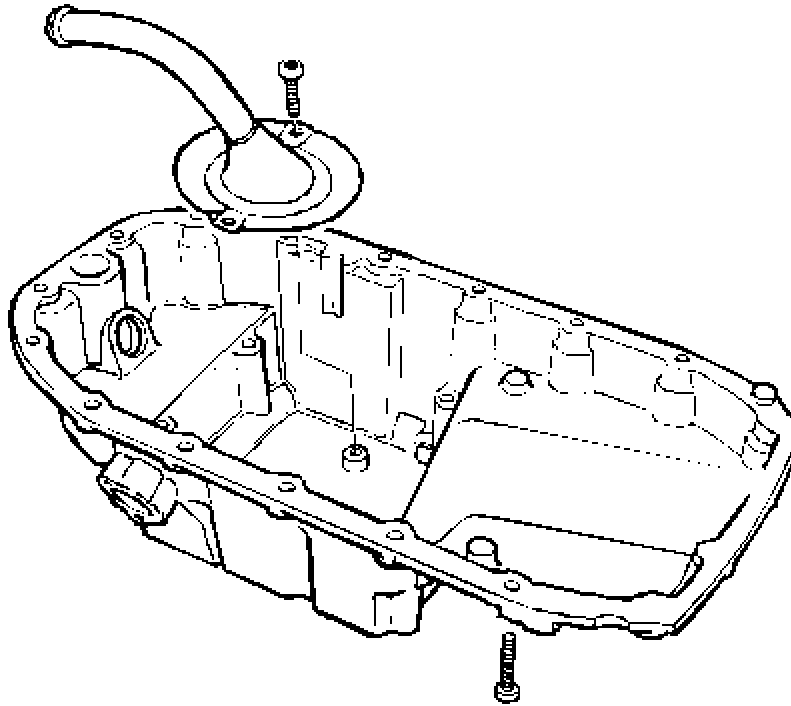


**SERVICE INFORMATION**

Bulletin Nbr: 210-1991 utg. 2

Date:.....December 1999

Market: all

**Carbon particles or loose deposits in the engine oil**

D210B615

**Cars affected**

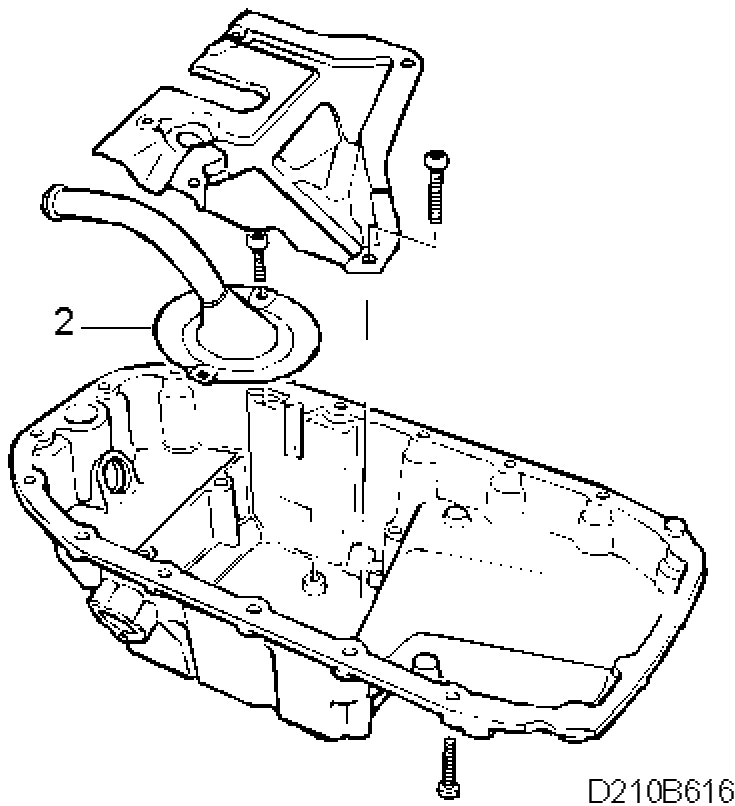
All cars with 4-cylinder engines

**Background**

With long service intervals and in certain difficult driving conditions such as low temperature, short driving distances or repeated cold starting, carbon particles or deposits may occur in the engine oil. This is detected when changing the oil or if the oil pressure light comes on when the engine is idling.

The procedure described in this Service Information must be carried out after customer complaint and excessively long oil change intervals.

**Diagnostic procedure**



Check in the service book to see if the service intervals have been followed. If not, carry out the procedures as described below.

**1 Draining engine oil**

Raise the car, place a suitable container under the oil sump, remove the drain plug for the engine oil and drain the engine oil.

**2 Checking oil quality**

Bend one end of a piece of welding wire and insert it through the oil sump drain hole. Scrape lightly around the bottom of the oil sump adjacent to the drain hole. Remove the welding wire and check the oil. Then, scrape lightly on the oil suction pipe strainer (2) and check the oil.

**Are there any deposits on the welding wire?**

**YES**

Continue with step 3.

**NO**

Continue with step 5.

**3 Removing oil sump**

Remove and clean the oil sump, see 2, Engine, Basic Engine, mechanical components, Basic engine, 4-cyl, Adjustment/replacement, Oil sump (in car). Clean also the oil suction pipe strainer. Replace the strainer if necessary.

#### **4 Fitting oil sump**

Check the oil sump and fit it, see 2, Engine, Basic engine, mechanical components, Basic engine, 4-cyl, Adjustment/replacement, Oil sump (in car).

#### **5 Change the oil filter and fill with engine oil**

Change oil filter and fill oil according to specifications, see 2, Engine, Basic engine, mechanical components, Basic engine, 4-cyl, Technical data, Lubricating system.