

10-10 Every 20 000 miles – diesel models

1 Press the 'Menu' button on the instrument indicator dash with 'Vehicle Information Menu' is displayed in the power information centre.

2 Turn the adjuster wheel on the instrument indicator dash to select 'Maintenance Oil Life'.

3 Turn the reset wheel, then press the

10/10/00 button on the dash to reset the system.

4 Turn the reset wheel and switch off the system.

Every 40 000 miles or 2 years

10 Fuel filter removed

1 Remove the glowplug as described in Chapter 11, Section 11.

2 Remove the retaining bracket, then the fuel filter housing cover. Then remove the fuel filter housing (see Illustration).

3 Fit the fuel filter using a method of the removal procedure. Make sure that the filter is

flow the correct way up as indicated on the side of the filter.

10 Fuel filter removed

Caution: Before starting any work on the fuel filter, wipe clean the filter assembly and the area around it. It is essential that no dirt or other foreign matter is allowed into the system. Obtain a suitable container

into which the filter can be drained and place bags or similar material under the filter assembly to catch any spillages.

4 The fuel filter is located under the cap attached to the right-hand side of the fuel tank.

5 Remove the front wheels, then jack up the fuel of the fuel and support it vertically on one stand (see Jacking and wheel support).

6 Loosen the cap nut from the filter housing as described in Section 1.

1.5 and 2.0 litre models

7 When the filter has completely drained, unscrew and remove the filter base (see Illustration).

8 Remove the housing ring from the filter housing (see Illustration).

9 Using a screw, pull the old filter from the housing (see Illustration).

10 Thoroughly clean the filter base and filter housing.

11 Locate the new filter in the housing and push it up until it engages with the retaining cap (see Illustration).

12 Fit a new sealing ring to the filter housing (see Illustration).

13 Tighten the filter base and tighten it to the



10.10a Remove the retaining bracket and open the fuel filter housing cover.



10.10b Then remove the filter from the housing.



10.10c Unscrew the fuel filter base.



10.10d ...and remove it from the housing.



10.10e Remove the sealing ring from the filter housing.



10.10f Using a screw, pull the old filter from the housing.



10.10g Locate the new filter in the housing and push it up until it engages with the retaining cap.



10.10h Fit a new sealing ring to the filter housing.

20-00 1.4 litre petrol engine in-car repair procedures



10.11a Locate the vent of pump cover into the side of the valve cover.

see them with the right-hand valve covered by the valve shims, facing the valve into (see Illustration).

16 Place the inlet of pump cover ring at position on the valve side.

17 Tighten the top of pump cover (see Illustration).

18 Fit the oil pump side nut to the side oil spring, then add the spring and put to the pump housing using a screwdriver, compress the side nut on the spring (see Illustration), and push the side nut and spring into position. Ensure that the flat side of the side nut head is facing toward the top of the timing cover (see Illustration).

19 With the oil pump assembled, measure the end and side clearances of the valve components using a straight edge and feeler gauge (see Illustrations). If any of the measurements exceed the clearance given in the specifications, a new pump side nut or a new timing cover will be required.

20 If oil is consistently being pumped the pump internal components with clean engine oil, then add the pump cover (see Illustration). Thoroughly tighten the pump cover retaining bolts in a sequence according to the specified torque.

21 Torquing with the crankshaft pulley to the timing cover, engaging the pulley shaft with the oil pump side nut. Tight the outer of the normal direction of rotation to ensure that the pump operates smoothly and the pulley can be turned easily.

22 Fit a new crankshaft oil seal to the timing cover as described in Section 11.

23 Tighten the timing chain and connect to the engine as described in Section 6.

10 Crankshaft oil seal removed

1 Remove the crankshaft pulley as described in Section 6.

2 The seal can now be carefully pressed out with a screwdriver or similar forward tool (see Illustration).

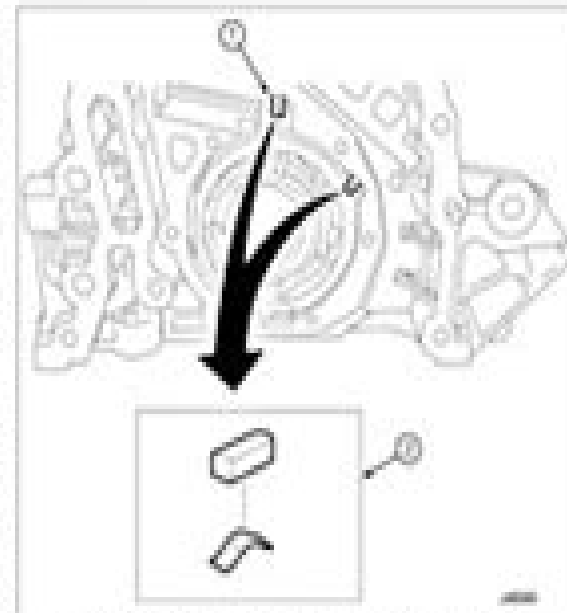
3 Clean the oil seal seat with a scraper or plastic scraper.

Timing chain and oil seal

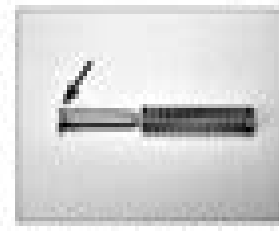
1 Remove the crankshaft pulley as described in Section 6.

2 The seal can now be carefully pressed out with a screwdriver or similar forward tool (see Illustration).

3 Clean the oil seal seat with a scraper or plastic scraper.



10.11b Fit the top of pump cover into side and push seal spring (2) into the location shown (1).



10.11c Ensure that the flat side (arrowed) of the oil pump side nut head is facing toward the top of the timing cover.



10.11d Measure the end clearance.



10.11e ...and side clearances of the valve components with clean engine oil, then add the pump cover.



10.11f Thoroughly lubricate the pump internal components with clean engine oil, then add the pump cover.

Vauxhall Astra J Service Manual

R. M. Jex



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