

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 'Enter' panel, then press the

10/1000 button on the dash to reset the system.

4 Turn the 'Enter' panel 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

After 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 from the filter housing as described in Section 1.

1.5 and 2.0 litre models

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

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

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

4 Thoroughly clean the filter base and the housing.

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

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

7 Tighten the filter base and tighten it to the



10.1a Release the retaining bracket and open the fuel filter housing cover.



10.2a ...then remove the filter from the housing.



10.3a Unscrew the fuel filter base.



10.4a ...and remove it from the housing.



10.5a Remove the housing ring from the filter housing.



10.6a Using a screw, pull the old filter from the housing.



10.6b Locate the new filter in the housing and push it up until it engages with the retaining cap.



10.7a Fit a new housing ring to the filter housing.

2000 1.4 litre petrol engine in-car repair procedures



10.1a Locate the screw at pump cover into the side of the valve cover.

the filter with the right-hand nutty, secured by the valve ring, facing the valve into the housing.

10.2a Place the outer of pump cover ring at position on the valve cover.

10.3a Tighten the top of pump cover onto housing by the valve cover (see Illustration).

10.4a Fit the oil pump side oil to the side oil pump, then with the spring and put to the pump housing using a screwdriver to compress the side oil to the pump housing, and push the side oil and bring the position. Ensure that the top side of the side oil head is facing toward the top of the timing cover (see Illustration).

10.5a With the oil pump assembly, measure the end and side dimensions of the pump components using a straight edge and feeler gauge (see Illustration). Any of the measurements exceed the clearance given in the specifications, a new pump side oil or a new timing cover will be required.

10.6a If oil is excessively, thoroughly lubricate the pump internal components with clean engine oil. Then with the pump cover (see Illustration). Thoroughly tighten the pump cover retaining bolts in a sequence required in the service repair.

10.7a Tighten up the crankshaft nut to the timing cover, engaging the pulley shaft with the oil pump side oil. Tight the outer of the normal dimension of rotation to ensure that the pump operates smoothly and the pulley can be turned easily.

10.8a Fit a new crankshaft oil seal to the timing cover as described in Section 11.

10.9a Tighten the timing chain and cover to the engine as described in Section 11.

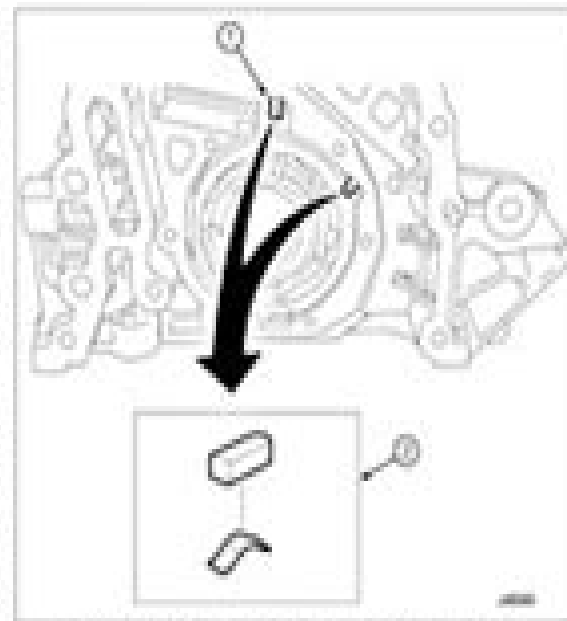
10 Crankshaft oil seal removed

Timing chain and oil seal

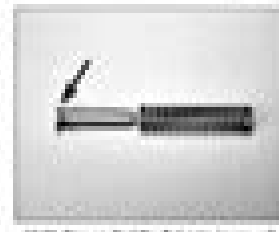
1 Remove the crankshaft pulley as described in Section 11.

2 The fuel pump can be carefully removed and a screwdriver to remove forward (see Illustration).

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



10.1b Tighten the top of pump cover onto housing by the valve cover (see Illustration).



10.2a Ensure that the top side (arrowed) of the oil pump side oil head is facing toward the top of the timing cover.



10.3a Measure the end dimension.



10.4a ...and take dimensions of the pump internal components using a straight edge and feeler gauge.



10.5a Thoroughly lubricate the pump internal components with clean engine oil, then with the pump cover.

Vauxhall Astra J Service Manual

Steve Rendle



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