

Oil trap electrically heated, replacing

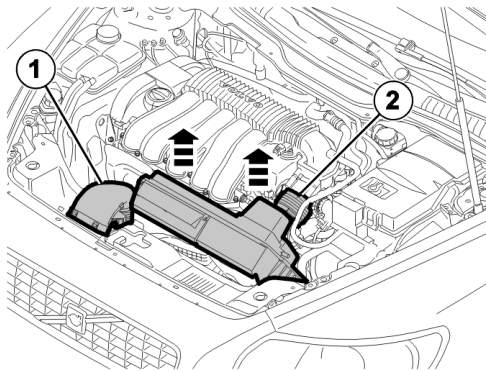
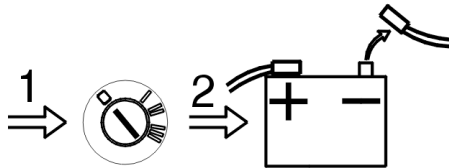
Removing

Note! As the illustrations in the information are used for different model years and/or models, some variation may occur. However, the essential information in the illustrations is always correct.

Preparatory work

Disconnect the battery's negative lead according to: [Battery, replacing](#).

Remove the cover for the fuse box engine compartment.



Removing air filter module

Remove:

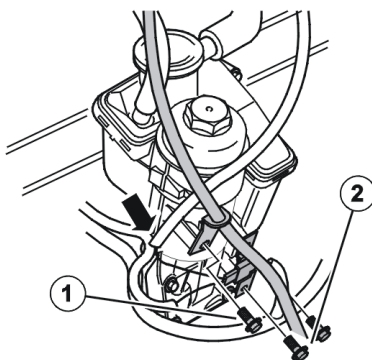
- the screws for the inlet pipe and the resonator in the front plate
- the inlet pipe with resonator for the air filter module (1)
- the hose for the mass air flow sensor (2)
- the brake vacuum hose from the air filter module. Part the connector for the mass air flow sensor.

Cut the cable ties for the cable harness on the air filter module. Lift up the air filter module straight up until it releases from the rubber mounts, then pull the module towards the left front fender so that the module can be lifted out.

Removing oil trap

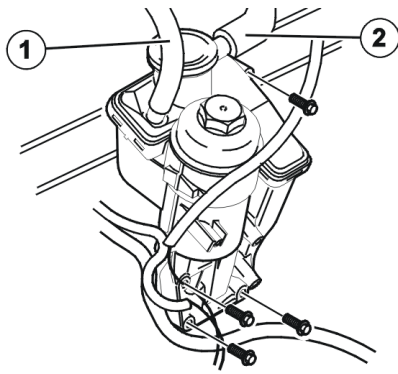
Remove:

- the screw (1) for the oil dipstick
- the oil dipstick. Pull straight up, seal the opening in the oil sump
- the screws (2), 2 pcs., for the bracket that holds the connector.



Fold aside the bracket and cable harness. Loosen the clip in the oil trap for the cable harness.

Removing oil trap, continued



Remove:

- the screws, 4 pcs., for the oil trap
- the clamp for the crankcase ventilation hose (1).

Loosen the hoses for the oil trap (1 and 2). Remove the oil trap. Check that the gaskets also are removed with the oil trap.

Note! Collect oil spills under the oil trap with paper.

Removing ignition cable casing

Applies to B5xx4Sx

Remove the ignition coil according to: [Ignition coil, replacing](#) .

Applies to B5xx4Tx

remove the ignition coil.

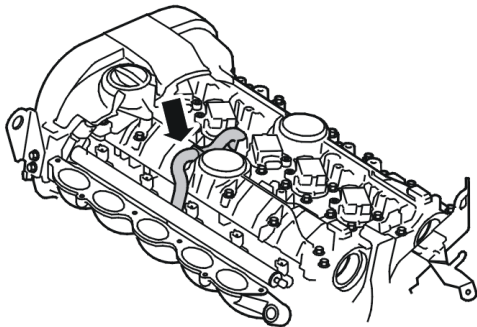
Removing hose for valve cover

Remove the hose with the hose clamp.

Installing

Installing hose for valve cover

Install the clamp on the crankcase ventilation hose. Press on the hose on the valve cover and clamp down.



Installing ignition cable casing

Applies to B5xx4Sx

Install the ignition coil according to: [Ignition coil, replacing](#) .

Applies to B5xx4Tx

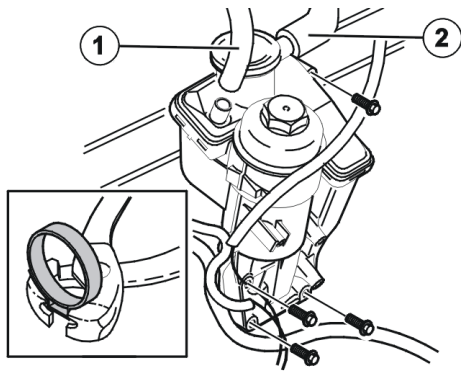
Install the ignition coil.

Installing oil trap

Caution! Check that the new O-rings are not damaged and that they are positioned correctly in the groove.

Install:

- the oil trap, press on the crankcase ventilation hose (2) at the same time
- the screws, 4 pcs. Tighten



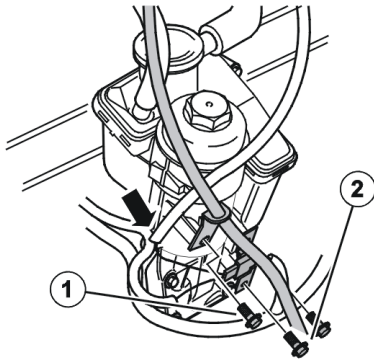
- the clamp on the crankcase ventilation hose (1). Tighten the clamp slightly before pressing on the hose
- the crankcase ventilation hose (1). Tighten the clamp.

Installing oil trap, continued

Install:

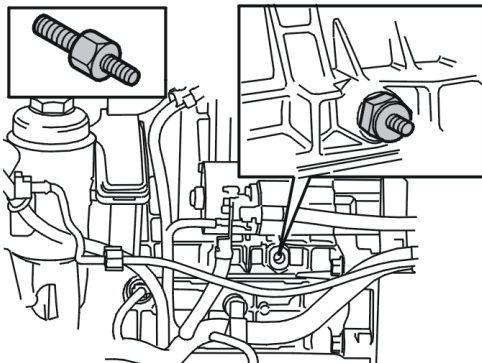
- the screws (2), 2 pcs. Tighten
- the oil dipstick, remove seal in the oil sump
- the screw (1). Tighten.

Press on the clip in the cable harness on the oil trap.



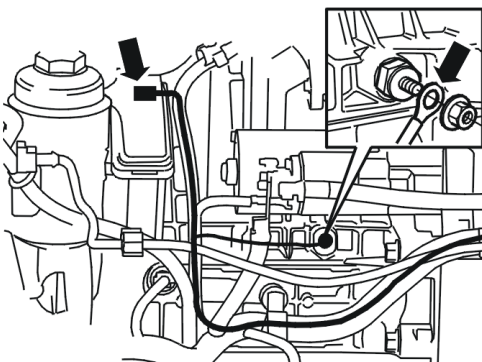
Installing pin bolt

Install the pin bolt to the engine block. Tighten.



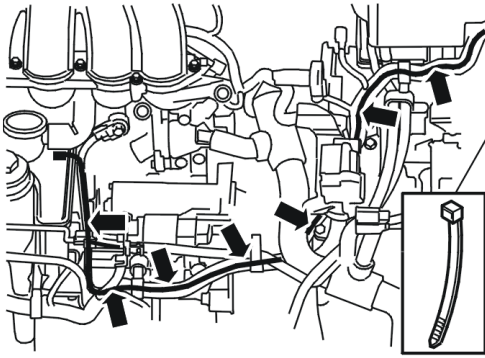
Installing cable harness for oil trap

Connect the lead for the 2-pin connector in the oil trap. Fit the ground lead for the pin bolt with the nut according to illustration. Tighten.



Routing of lead

Route the lead along the existing cable harness to the fuse box in the engine compartment. Fit the cable ties, 7 pcs., according to illustration.



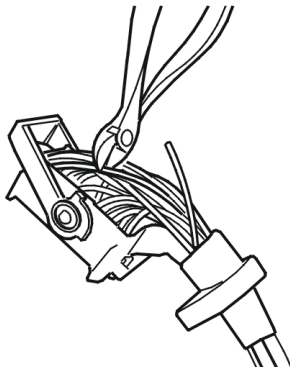
Installing lead connector

Loosen connector C90 to the fuse box in the engine compartment. Remove the tape around the rubber seal's end. Insert the lead through the rubber seal.



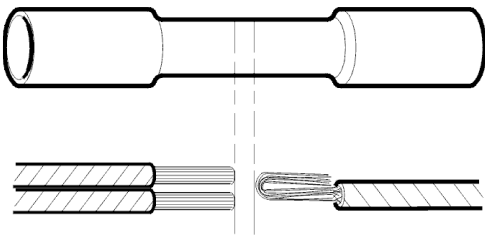
Installing lead connector, continued

Cut the lead from pin 14 in the connector C90 to the fuse box in the engine compartment. Cut approx. **30 mm** from pin 14. Strip the three lead ends approx. **7 mm**. Use stripping pliers [951 2620](#).



Joining lead branching point

Join the three leads with a shrink terminal according to: [Lead repair](#).

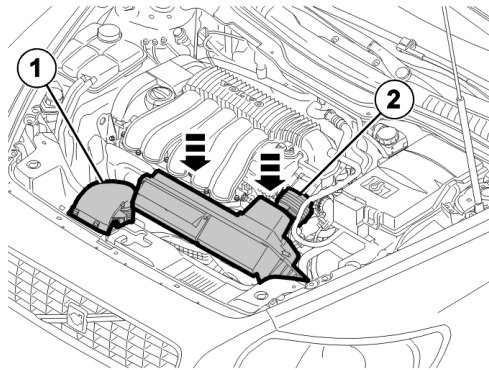


Insulation cable harness

Tape the edge of the rubber lead-through.

Install:

- the connector
- the cover for the fuse holder.



Installing air filter module

Hint: Lubricate the mounting catches on the air filter module with vaseline or similar.

Install:

- the air filter module by turning down the module and pulling it against the right front fender, hook it in its mounts by pressing it straight down
- the hose on the mass air flow sensor (2). Tighten the hose clamp
- the brake vacuum hose to the air filter module. Use new clamp
- the inlet pipe with the resonator (1) to the air filter module. Plug in the connector for the mass air flow sensor, and plug in the 2 connectors for the engine control module (ECM), lock with both red lock braces
- the protective casing over the engine control module (ECM).

Follow-up work

Install the battery's negative lead according to: [Battery, replacing](#) .