

Power steering pump, replacing

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

Preparation

Warning! Used fluid is considerably more dangerous than new fluid. Avoid skin contact with the oil.

Remove

- the oil hose from the mounting on top of the power steering pump
- the auxiliaries belt. See [Auxiliaries belt / belt tensioner, replacing](#) on diesel cars, or [Auxiliaries belt / belt tensioner, replacing](#) on 6-cylinder petrol cars, or [Auxiliaries belt / belt tensioner, replacing](#) on 5-cylinder petrol cars.

Note! If there is dirt in the fluid, drain the system and remove the hoses from the steering gear.

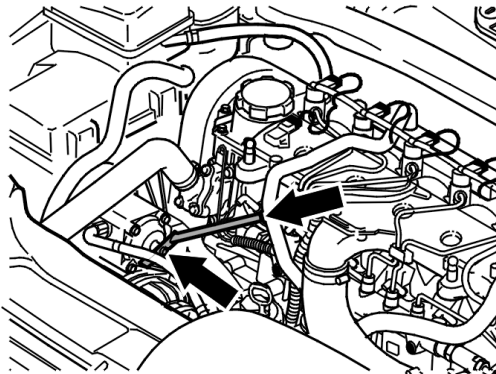
Removing the power steering pump/engine strut

Applies only to diesel cars:

Remove:

- the screw at the pump
- the screw at the engine.

Leave the strut hanging in the delivery line.



Removing the feeder hose and delivery line

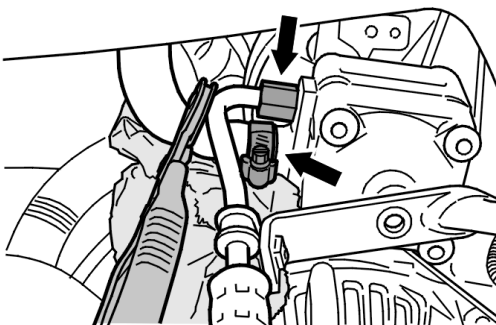
Install:

- the lock grip pliers on the feeder hose as close to the power steering pump as possible
- the lock grip pliers on the return hose at the fluid reservoir.

Note! Place paper over the generator (GEN) as protection against oil.

Remove:

- the screw nipple. Remove the delivery line from the pump



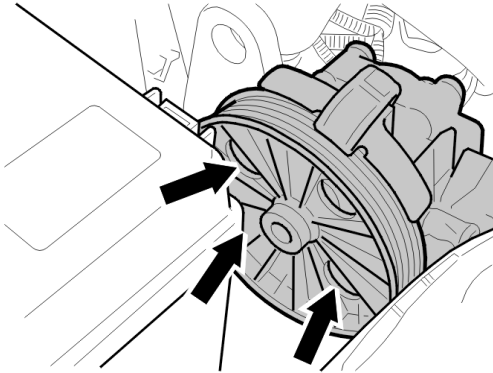
- the hose clamp. Remove the feeder hose from the power steering pump.

Warning! Avoid skin contact with the oil.

Removing the power steering pump

Remove:

- the 3 screws
- the servo pump.



Installing the power steering pump

Install:

- the servo pump
- the three screws. Tighten to **25 Nm**.

Installing the power steering pump

Install:

- the feeder hose. Tighten the clamp
- the delivery line. Do not tighten yet.

Installing the power steering pump/engine strut

Applies only to diesel cars:

Install:

- the strut
- the screw at the engine. Tighten to **24 Nm**
- the screw at the pump. Tighten to **24 Nm**.

Finishing

Tighten the delivery line. Tighten to **25 Nm**.

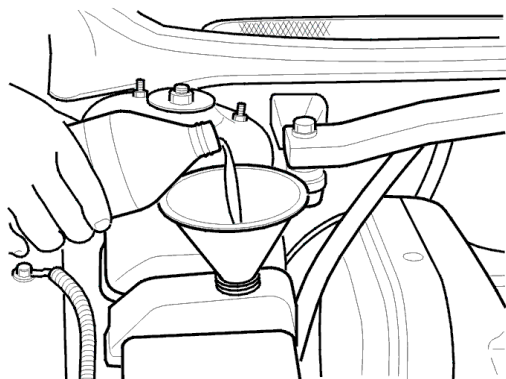
Remove paper and lock grip pliers.

Install the auxiliaries belt. See [Auxiliaries belt / belt tensioner, replacing](#) on diesel cars, or [Auxiliaries belt / belt tensioner, replacing](#) on 6-cylinder petrol cars, or [Auxiliaries belt / belt tensioner, replacing](#) on 5-cylinder petrol cars.

Fill the reservoir with oil.

Note! Use Volvo power steering fluid, P/N 1161529-1 to ensure the correct oil quality.

Repeatedly turn the steering wheel to full lock. Check and top up oil if required.



Lower the car.

Apply the handbrake. Start the engine.

A: Turn the steering wheel slowly to the right.
Hold on full lock for 2 seconds.

B: Turn the steering wheel slowly to the left,
hold on full lock for 2 seconds.

Repeat operations A and B approximately 10
times.