

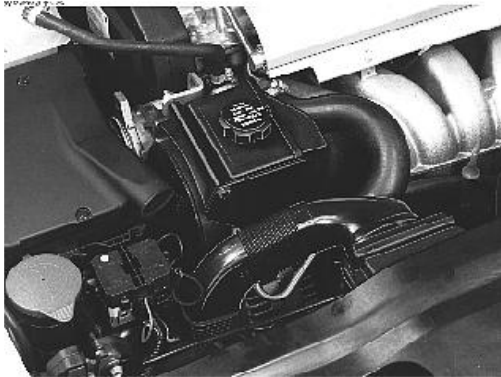
Replacing power steering pump

Special tools: [999 5443](#) , [999 5444](#)

Removal

Drain approximately 3 liters of coolant

The cock is on the left-hand side under the radiator



Remove radiator hose from thermostat housing

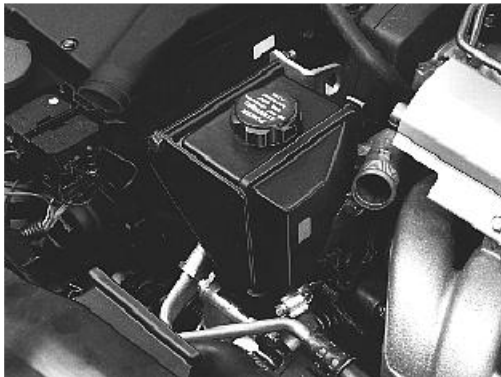
Remove:

- oil hose holder from dip stick
- cold air inlet hose to central control module.

Remove drive belt from the pump

Use a 3/8" interlock or bar to take load off the automatic tensioner. Remove belt.

Remove screw and spacer pipe for the splash guard

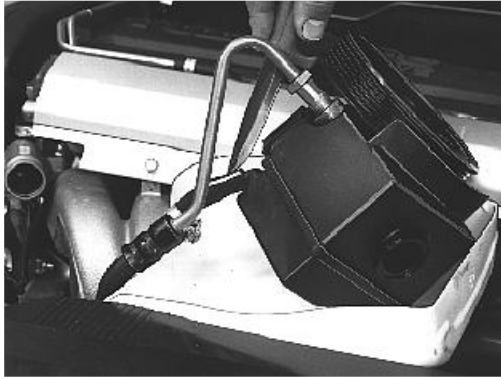


Slacken off the pressure pipe connection 1/4 turn

Undo lower mounting nuts a few turns

Remove the mounting screws for the pump:

- 3 x through the pulley holes
- 2 x on left-hand side.



Lift pump straight up

Use a small container to collect oil spillage.
Remove the pressure hose from the pump.
Remove the old O-ring.
Carefully cut the return pipe a little way.

Note! The hose should not be cut behind the marker line on the pipe end. Be careful with the reservoir terminals.

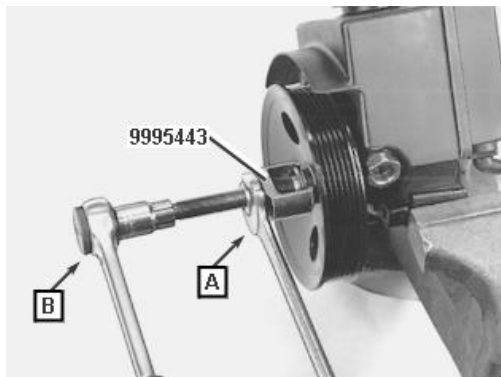
Raise the front suspension so that wheels hang free. Turn the steering from lock to lock. Collect fluid spillage from pressure and return hoses. Use a container. Ensure that no fluid drips into the generator (GEN).

Secure pump in a vise

Remove the pulley

Use extractor [999 5443](#) .

- Counterhold with A.
- Tighten with B.



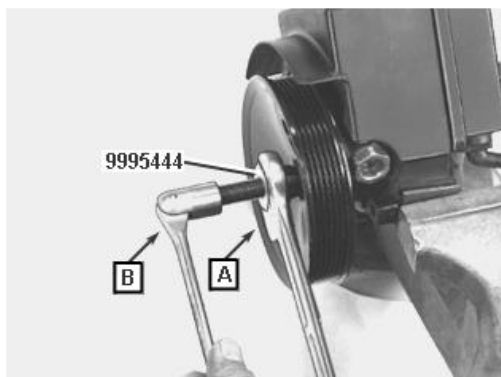
Reassembly

Install the pulley. Lubricate pump shaft with oil

Use press tool [999 5444](#) .

- Counterhold with B.
- Tighten with A.

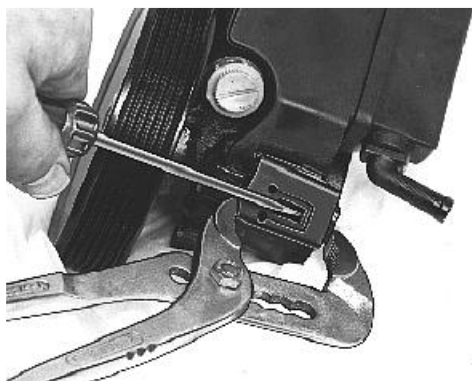
Caution! If not replacing reservoir, continue to [Installation](#) .



Replacing reservoir

Remove holders

Use a pipe wrench and a screwdriver.



Lift up locking catch and remove the O-ring

Assemble reservoir and pump

Use a new O-ring.

Ensure that the locking catches go into position when assembling.



Installation

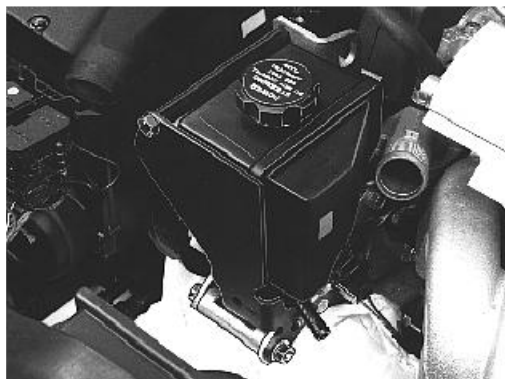
Install pump

Put paper over the generator (GEN). There may be oil left in the pump.

Install the five mounting screws. Tighten to **25 Nm**.

Install screw and spacer pipe for the splash guard. Tighten to **25 Nm**.

Tighten the lower mounting to **25 Nm**.



Install:

- return and pressure pipe. Use a new O-ring on the pressure pipe
- the hose bracket for the servo hoses in the dip stick
- radiator hose.

Install:

- pump drive belt



- cold air inlet hose to central control module.

Top up coolant

Top up oil level in the servo reservoir and bleed the system

For oil type, see specifications [Steering](#) .

Repeatedly turn the steering wheel to full lock.
Top up oil if necessary.

Lower the car.

Set the parking brake. Start the engine.

Check oil level during bleeding as below.

- **A.** Turn steering wheel slowly to the right, hold on full lock for 10 seconds.
- **B.** Turn steering wheel slowly to the left, hold on full lock for 10 seconds.

Repeat steps **A** and **B** 20 times. Move the car after the operation has been carried out 10 times to avoid damage to the tires.