

[S80-2-21-0030](#)

A knocking noise that may occur when driving at low speeds on uneven road or at sharp turns, can be caused by one of the the rear sub frame bushings moving in the sub-frame. The knocking can sometimes also be felt in the floorboard under the drivers feet. Install an O-ring between the sub-frame and the bodywork on the rear bushings on both left and right side as a service solution.

Affected vehicle		
Model	Factory	Chassis No.
S 80	1	000580 - 137346

Materials		
Description	Quantity	Part No.
O-ring	2	8638585
Screw	2	981062

[Subframe bushing, knocking noise](#)

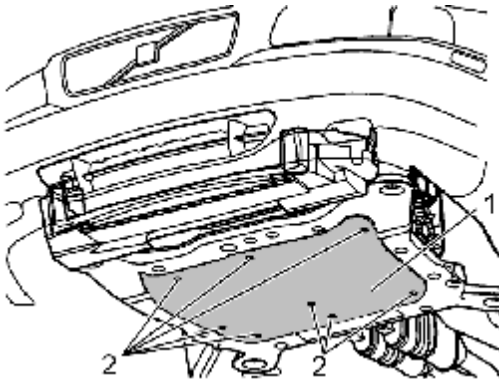
Knocking noise from subframe bushing

Removing the splash guard

Raise the car.

Remove

- the screws (2)
- the splash guard (1) under the engine.

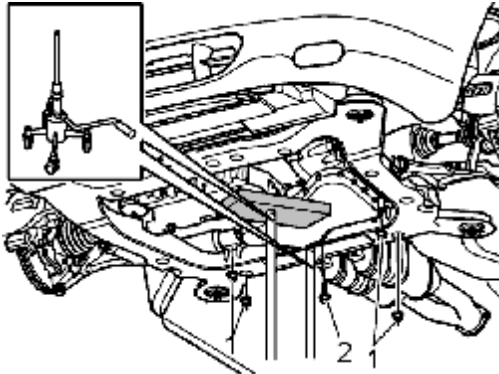


Removing nuts and screws

Install a jack under the sub-frame and one jack under the transmission/engine as a support.

Remove

- the four nuts (1)
- a screw (2) for the steering gear.

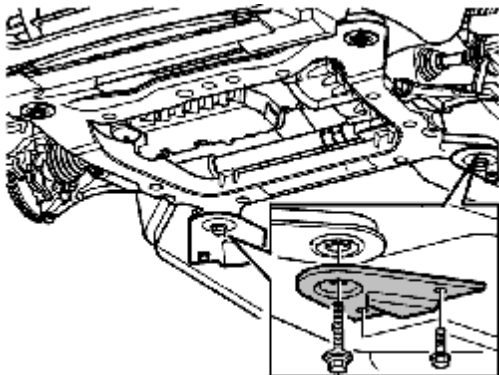


Removing the sub-frame

Remove

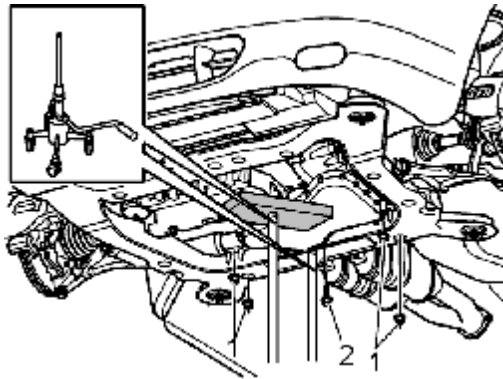
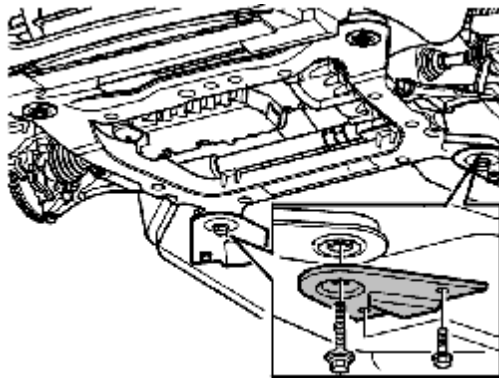
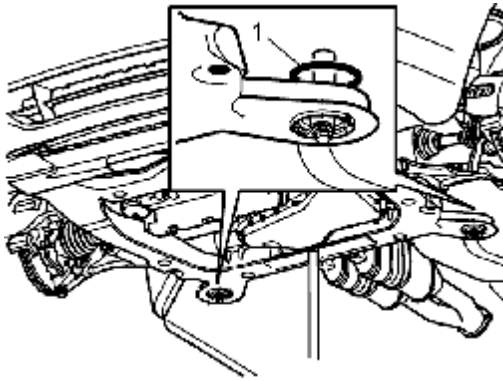
- the screws holding the sub-frame brackets to the bodywork on both sides
- the 2 rear screws for the sub-frame.

Carefully lower the sub-frame no more than 50 mm (2 ") using the jack.



Installing O-rings

Install the O rings (1) around the bushings on both the left and the right side. Ensure that the O-rings are positioned firmly against the sub-frame.



Installing the sub-frame

Lift the sub-frame using the jack.
Install the 2 screws in the sub-frame together with the sub-frame brackets.
Install the screws for the bracket.

Tighten

- the screw on the left-hand side of the sub-frame. Tighten to 105 Nm (77 lb.ft) . Angle-tighten to 120°
- the screw on the right-hand side. Tighten to the same values
- the screws for the bracket on both sides. Tighten to 50 Nm (37 lb.ft).

Installing nuts and screws

Install

- the 4 nuts (1) for the steering gear. Tighten to 50 Nm(37 lb ft)
- the screw (2) for the steering gear. Tighten to 50 Nm (37 lb ft)

Remove the jacks.

Installing the splash guard

Install

- the splash guard (1) under the engine
- the screws (2).

