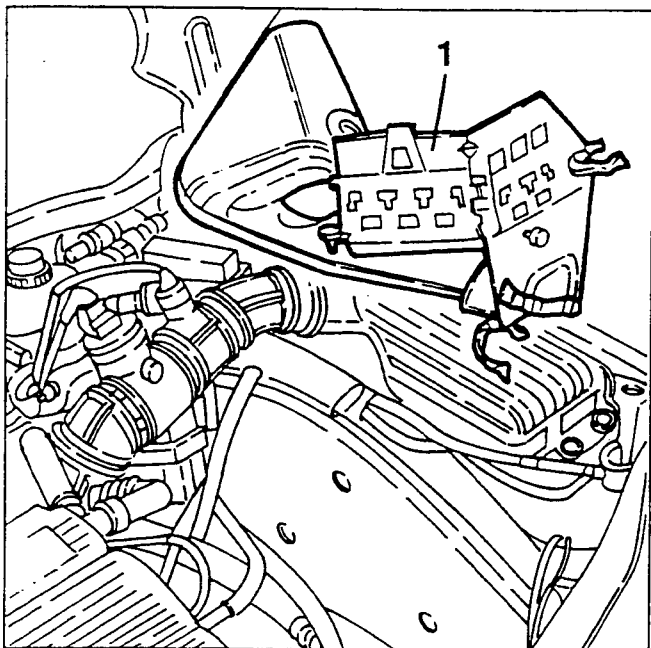
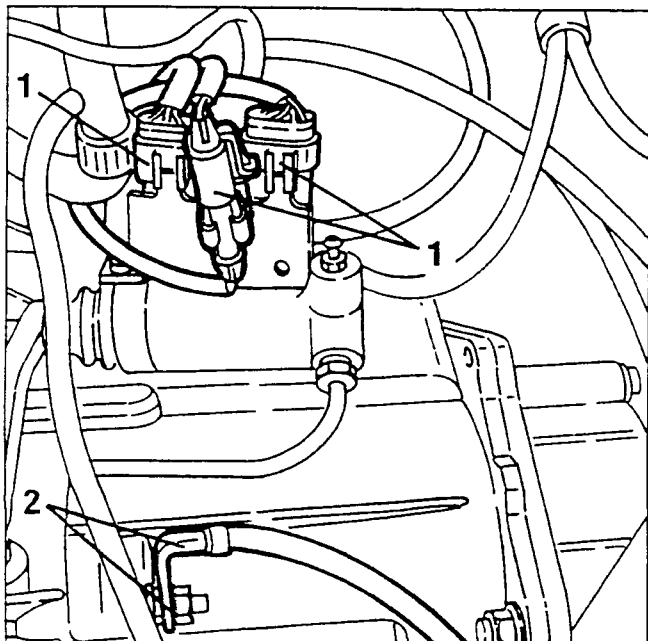


**REMOVING/REFITTING**

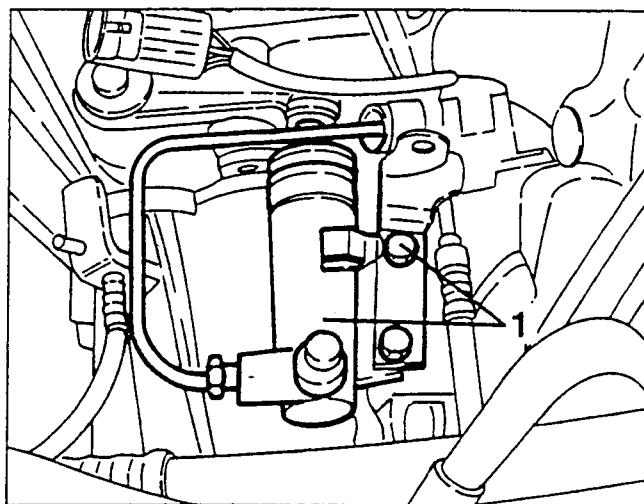
- Set the car on a lift.
  - Remove the front wheels and mud flaps.
  - Remove the battery.
  - Remove the relays from the battery support moving them to one side with their wirings so that they do not hinder the following operations.
1. Slacken the fastening screws, then remove the battery support after removing the rear cable support bracket from it.



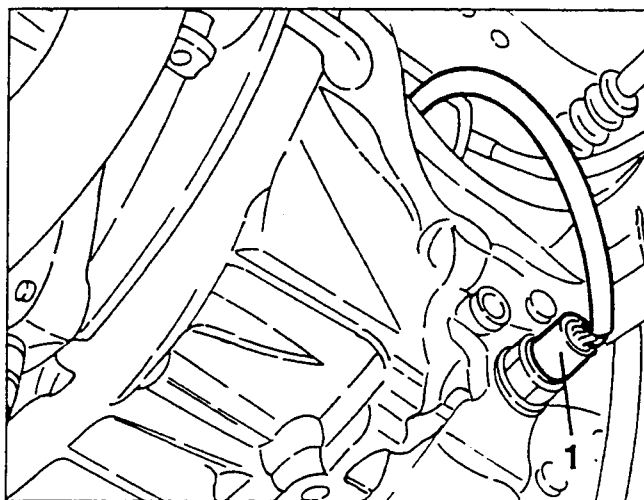
1. Remove the electrical connections from the support bracket fastened with the clutch control cylinder.
2. Disconnect the earth cable from the gearbox cover.



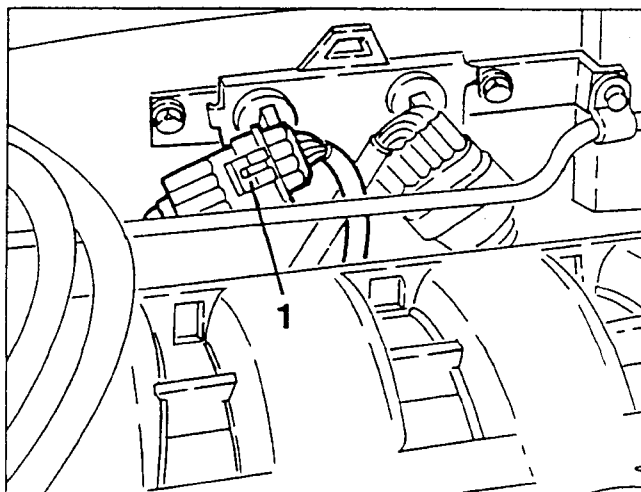
1. Slacken the fastening screws, then move aside the clutch control cylinder without disconnecting the hoses.



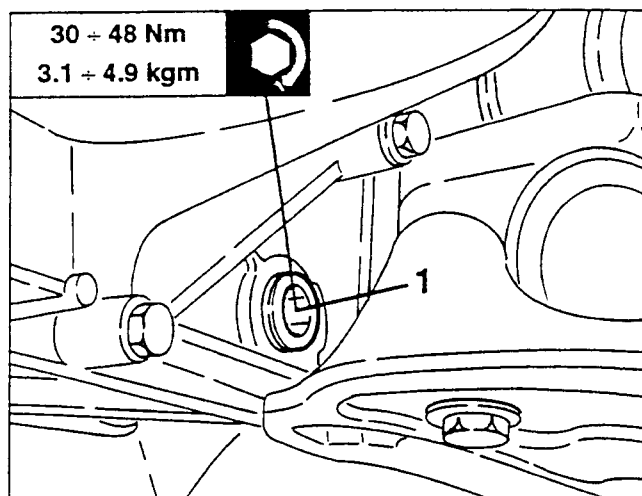
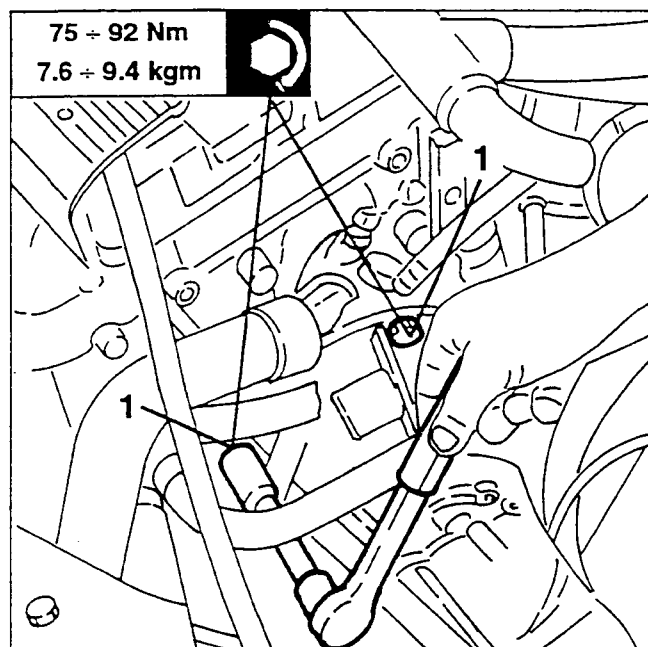
1. Disconnect the electrical connection from the reversing switch.



1. Disconnect the electrical connection of the lambda sensor.

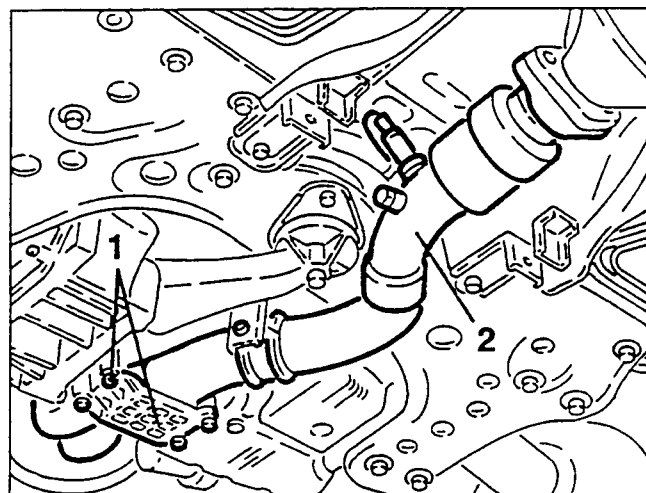


1. Slacken the two upper screws fastening the gearbox to the engine.



1. Slacken the fastening screws and remove the reinforcement bracket.

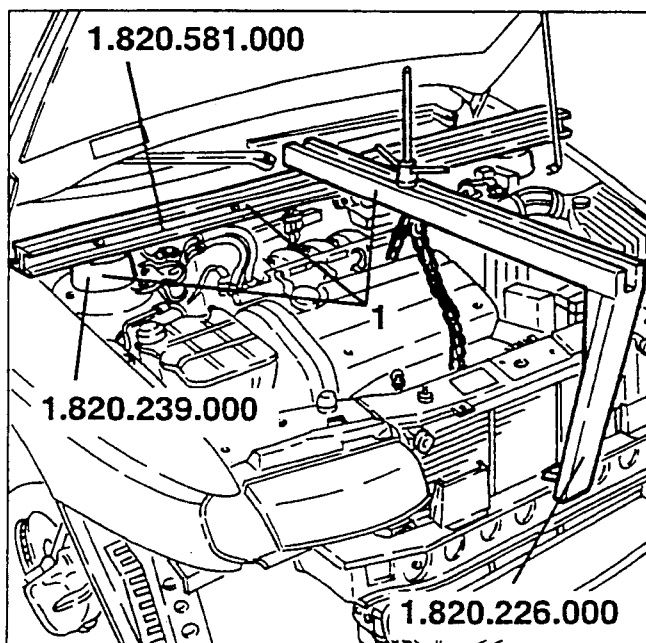
2. Remove the front section of the exhaust pipe complete with lambda sensor after slackening the fastenings concerned.



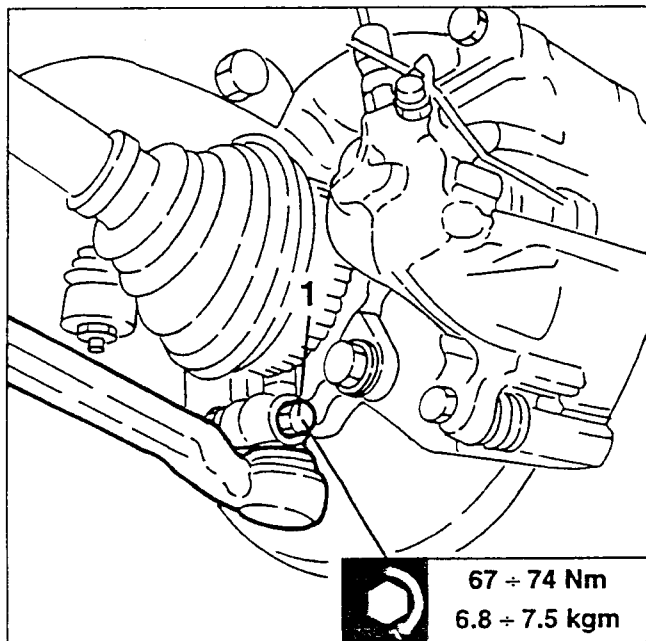
- Remove the front bumper (see GROUP 70).

1. Position the engine support no. 1.820.226.000, with the corresponding supports no. 1.820.239.000 and crossrail no. 1.820.581.000 as illustrated.

- Install two suitable support squares on the crankcase, then using a chain connect the support tool to the squares supporting the power unit in this manner.

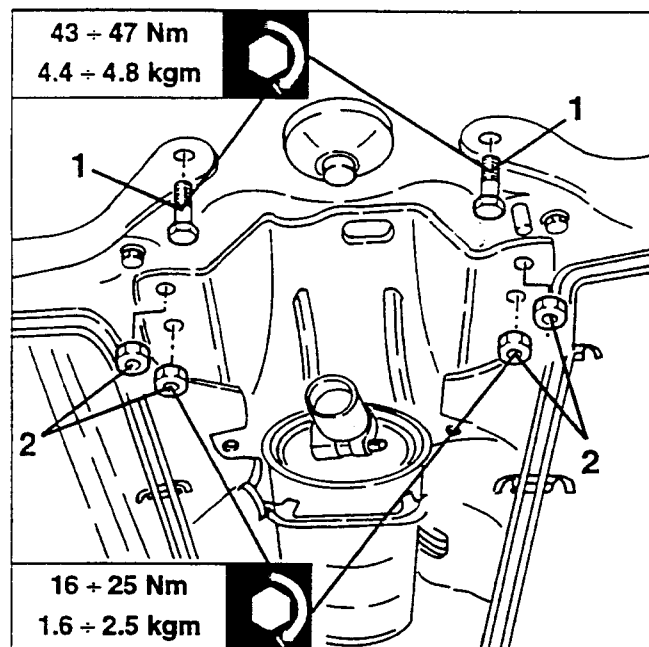


1. Slacken the bolts fastening the wishbones to the wheel uprights.

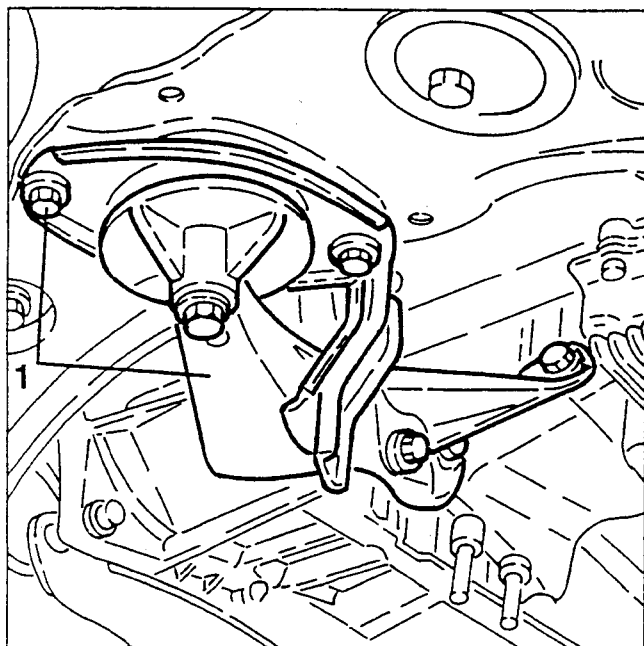


1. Raise the car, slacken the plug and drain the gearbox- differential oil into a suitable recipient.

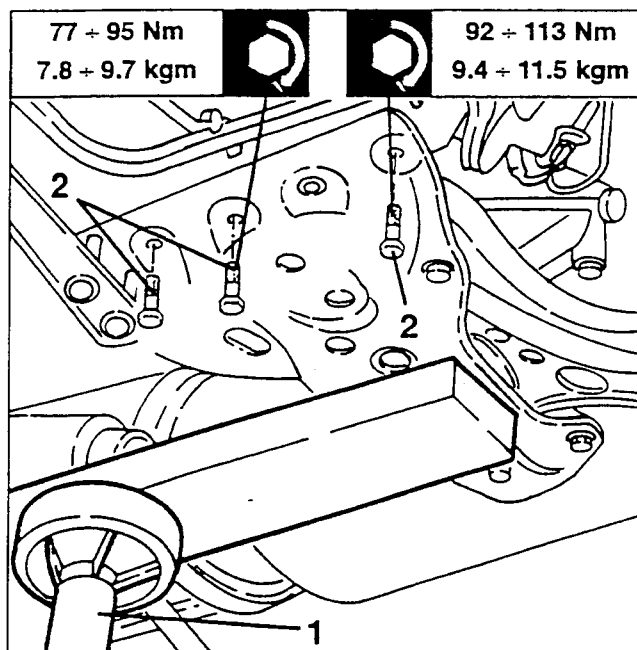
1. Slacken the two screws fastening the power steering to the front crossmember.
2. Slacken the four front nuts and slacken the other screws fastening the gearshift controls support, which must be slightly lowered to enable release from the front crossmember.



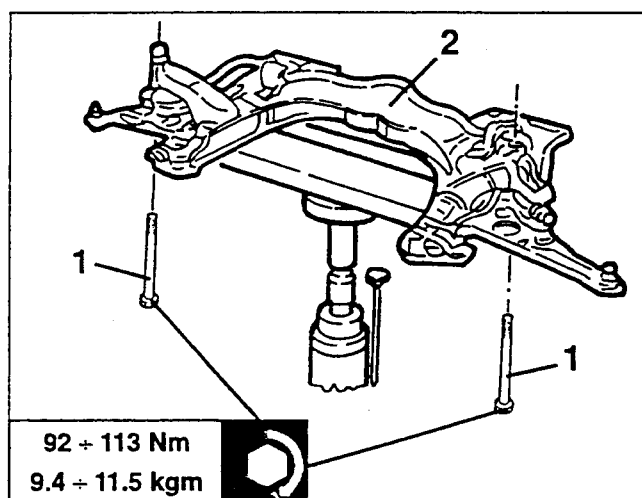
1. Slacken the fastening screws and remove the power unit rear support.



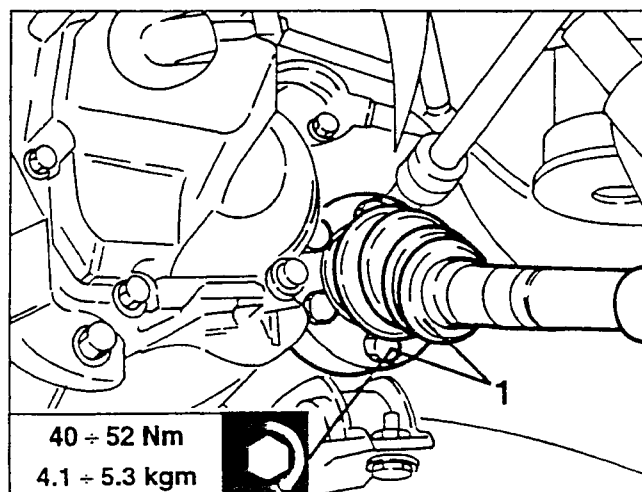
1. Set a hydraulic jack under the crossmember.
2. Slacken the six rear screws fastening the crossmember to the body.



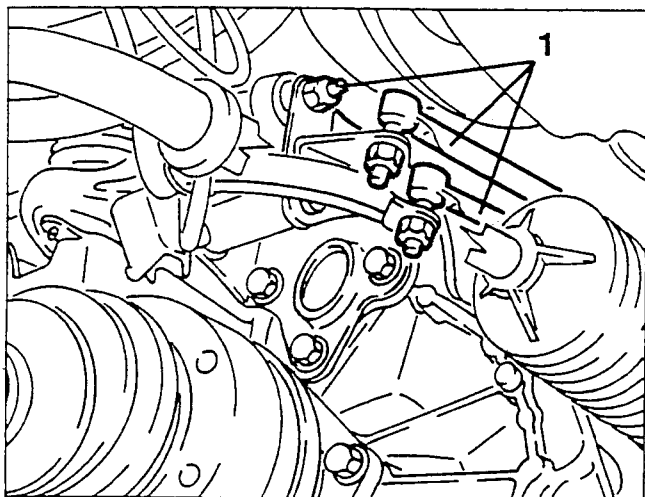
1. Slacken the two front screws fastening the crossmember to the body.
2. Lower the hydraulic jack and remove the crossmember.



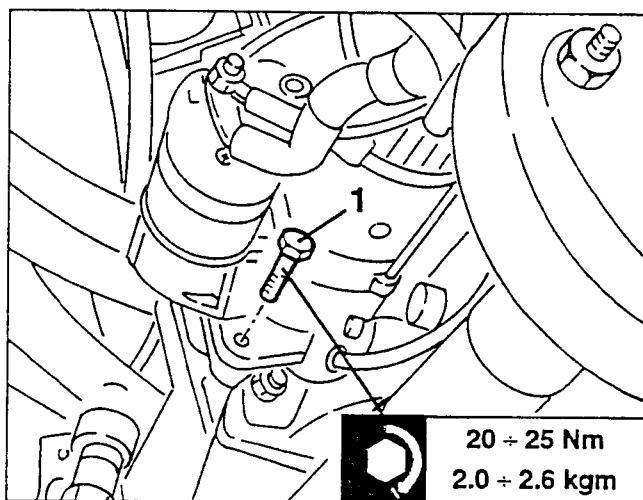
1. Slacken the fastening bolts and disconnect the left-hand CV joint of the differential side axle shaft.



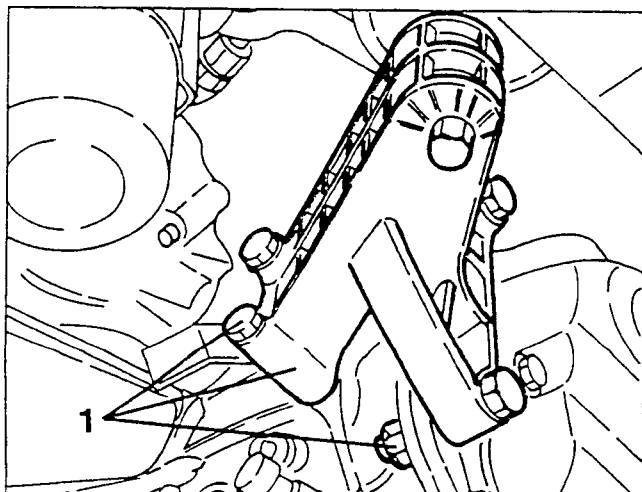
1. Working from the left-hand wheelhouse, slacken the fastening nuts and disconnect the gearshift control rods.



1. Slacken the three screws fastening the starter motor to the gearbox.



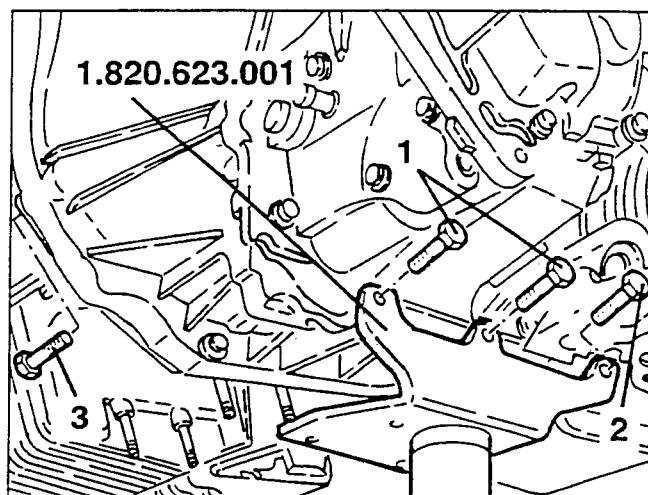
1. Slacken the fastening screws and bolts and remove the gearbox side power unit support.



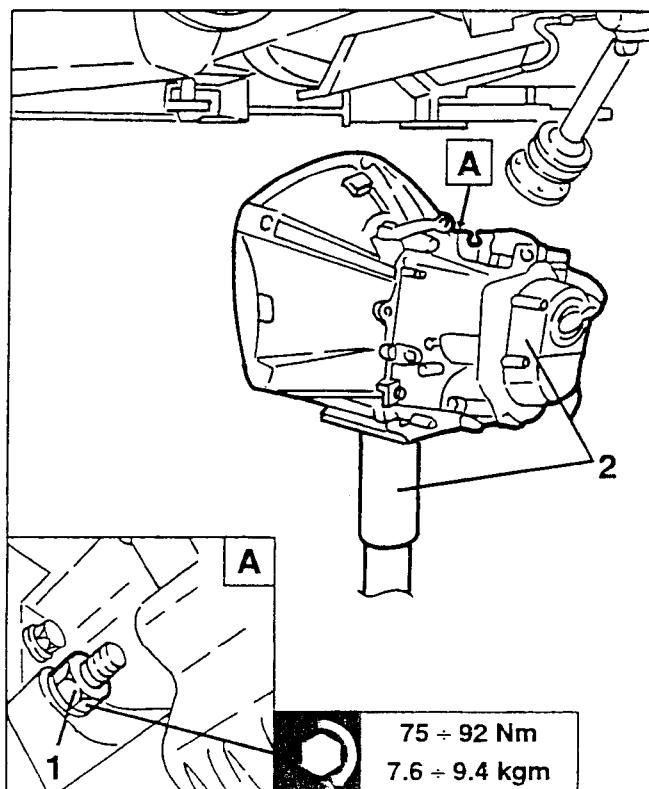
1. Slacken the two lower screws fastening the gear-box cover and in their holes insert bracket no. 1.820.623.001.

**NOTE:** For fastening the bracket use slightly longer screws than the ones removed.

2. Add a suitably sized bolt in the hole on the right of the bracket.
3. Slacken the screw fastening the gearbox to the engine.



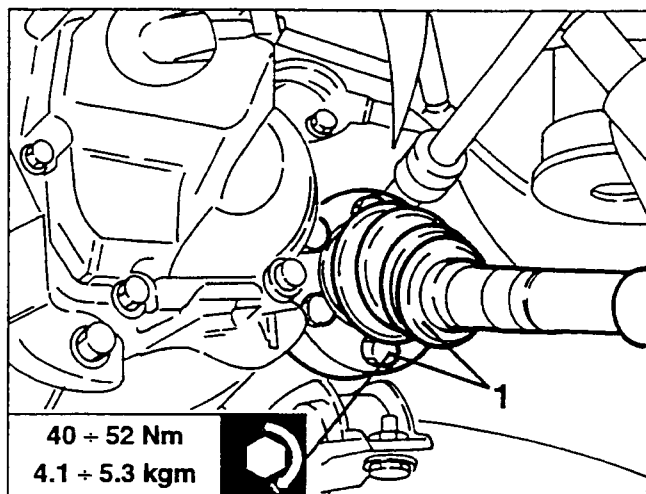
1. Slacken the remaining nut fastening the gearbox to the engine.
2. Lower the hydraulic jack and remove the gearbox-differential unit.



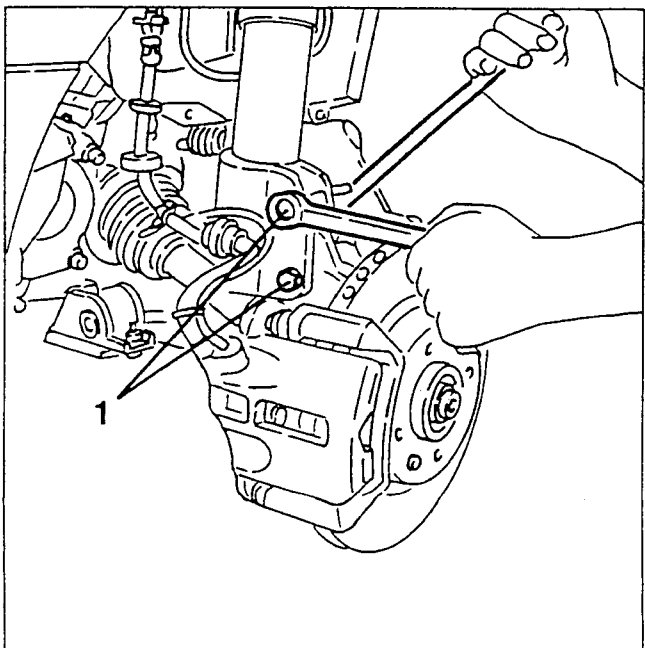
**ON-VEHICLE OPERATIONS****CHANGING THE DIFFERENTIAL  
CARRIER OIL SEAL  
GEARBOX SIDE**

- Set the car on a lift.
- Disconnect the battery (-) terminal.
- Raise the car.
- Remove the left front wheel and mud flaps.
- Working from the left front wheelhouse, disconnect the electrical connection of the brake pad wear sensor.
- Release the ABS inductive sensor cable from the support bracket.

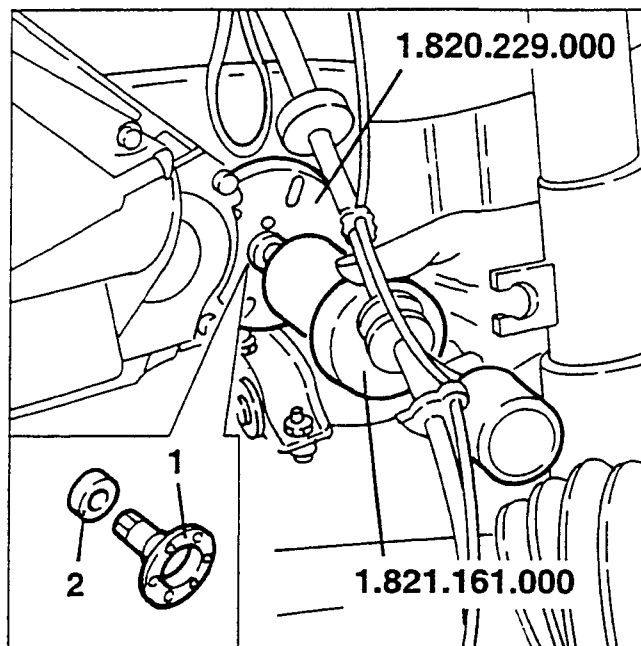
1. Slacken the fastening bolts and disconnect the left-hand CV joint from the differential side axle shaft.



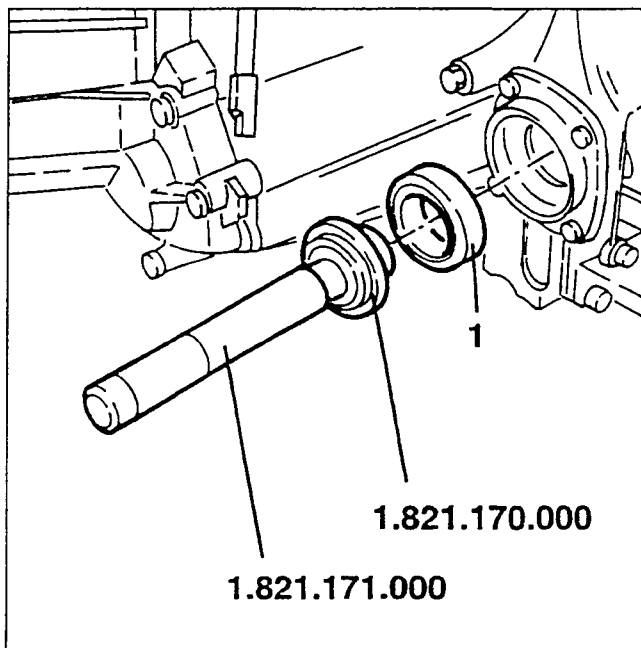
1. Slacken the two bolts fastening the left-hand upright to the shock absorber, then withdraw the upper bolt only.



1. Using tools no. 1.820.229.000 and no. 1.821.161.000, remove the flange from the differential.
2. Remove the oil seal to be changed.



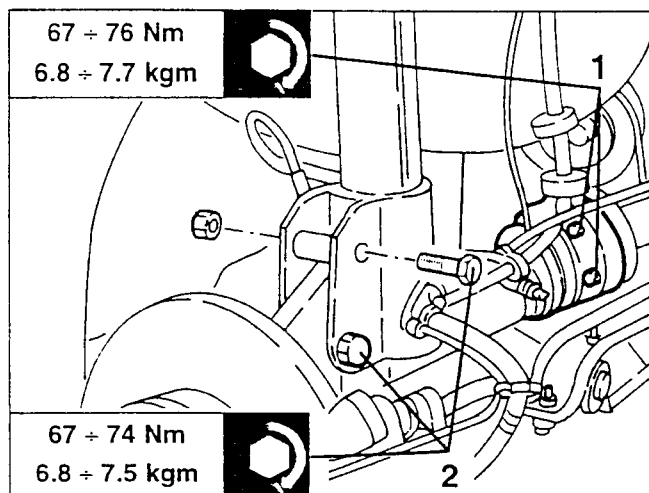
1. Using tools no. 1.821.170.000 and no. 1.821.171.000 install the new oil seal.



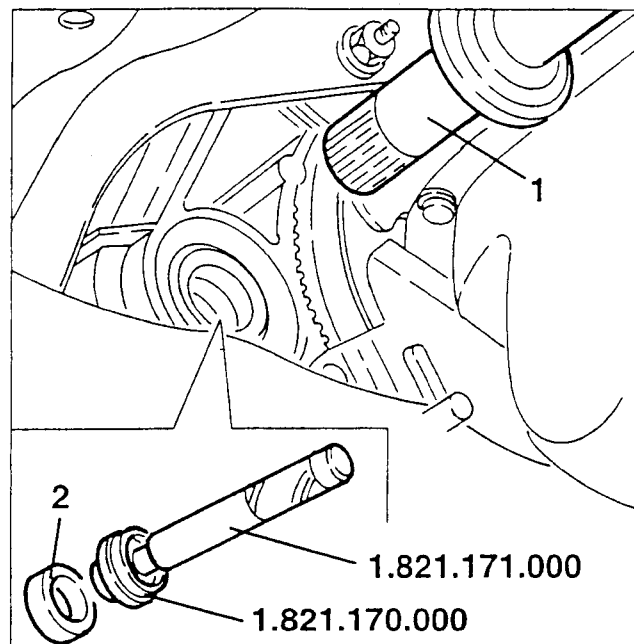
Complete re-assembly reversing the sequence followed for removal.

## CHANGING THE DIFFERENTIAL CARRIER OIL SEAL ENGINE SIDE

- Set the car on a lift.
- Disconnect the battery (-) terminal.
- Raise the car.
- Remove the right-hand wheel and wheelhouse.
- Working from the left-hand wheelhouse, disconnect the electrical connection of the brake pad wear sensor.
- Release the A.B.S. inductive sensor cable from the support bracket.
- 1. Slacken the fastening bolts and disconnect right-hand CV joint from the intermediate shaft.
- 2. Slacken the two bolts fastening the right upright, then withdraw the upper bolt only.
- Move back the right axle shaft just enough to disconnect it from the intermediate shaft.

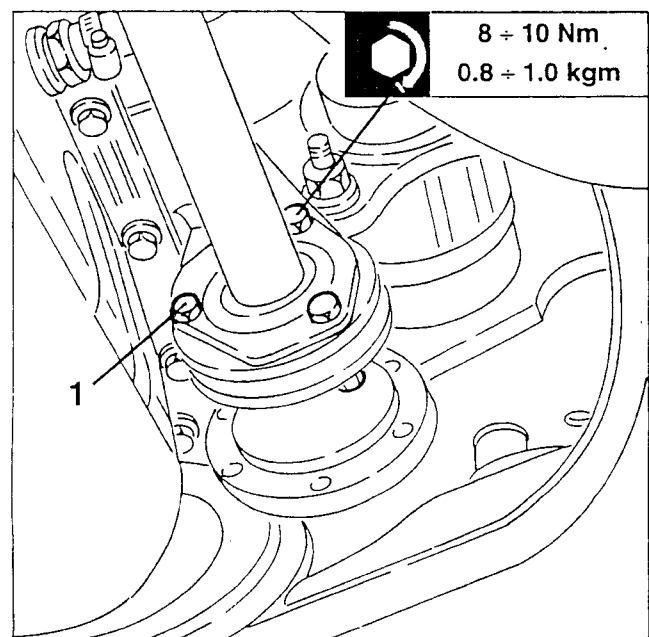


1. Withdraw the intermediate shaft from the differential and remove the oil seal to be changed.
2. Using tools no. 1.821.170.000 and no. 1.821.171.000 install the new oil seal.



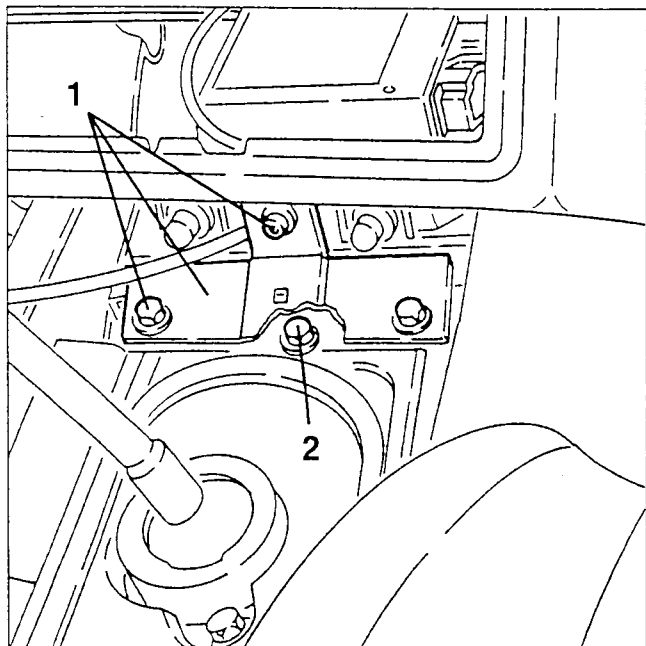
Complete re-assembly reversing the sequence followed for removal.

1. Slacken the screws fastening the intermediate shaft.

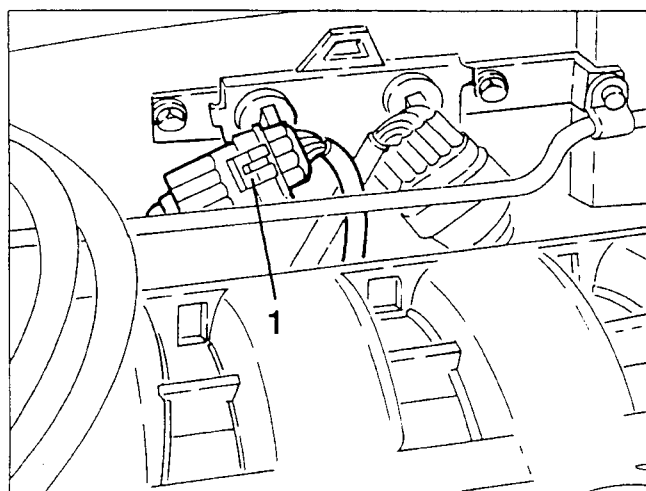


**GEARSHIFT CONTROL ROD****REMOVING/REFITTING**

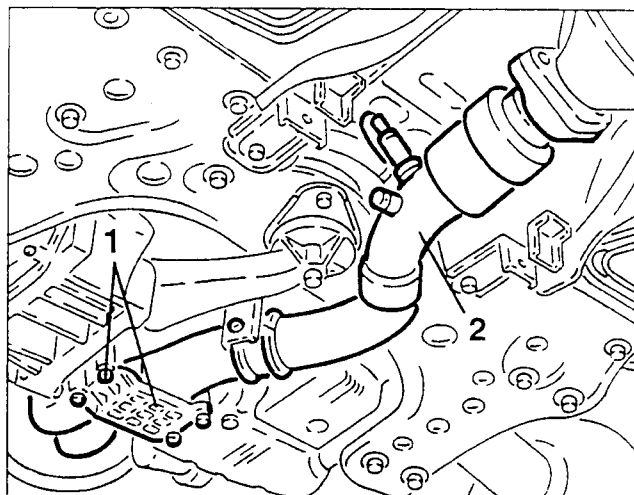
- Set the car on a lift.
- Remove the centre console (see GROUP 70).
- 1. Slacken the fastening screws and remove the lower dashboard fastening bracket.
- 2. Slacken the screw fastening the gearshift controls support.



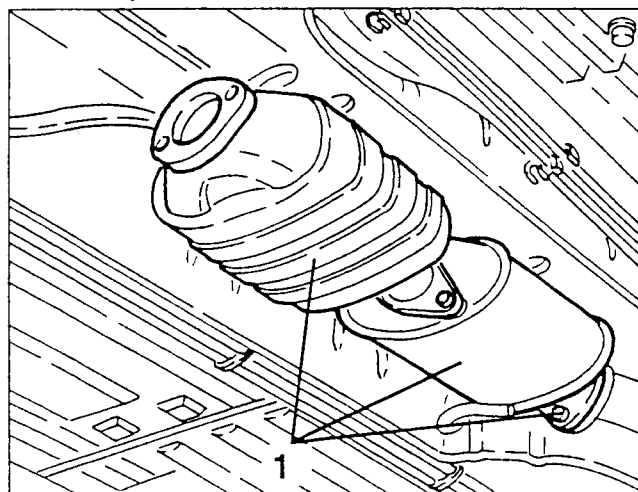
1. Disconnect the electrical connection of the lambda sensor.



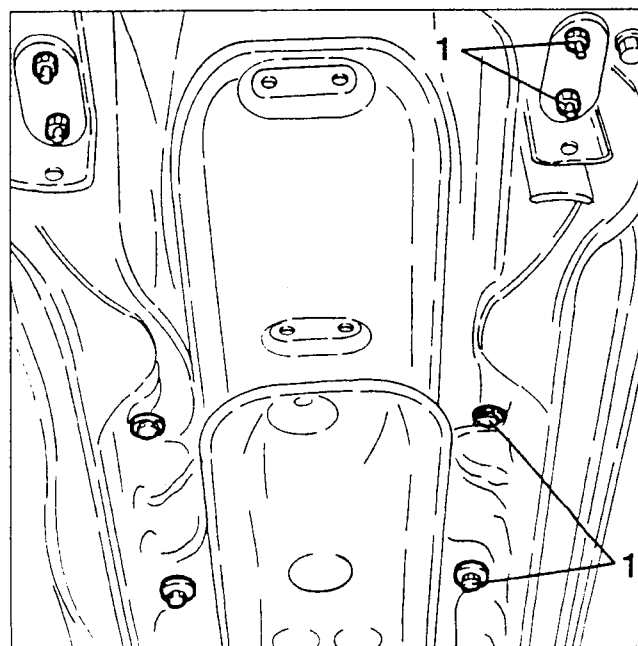
1. Raise the car, slacken the fastening screws and remove the reinforcement bracket.
2. Remove the front section of the exhaust pipe complete with the lambda sensor after loosening the fastenings.



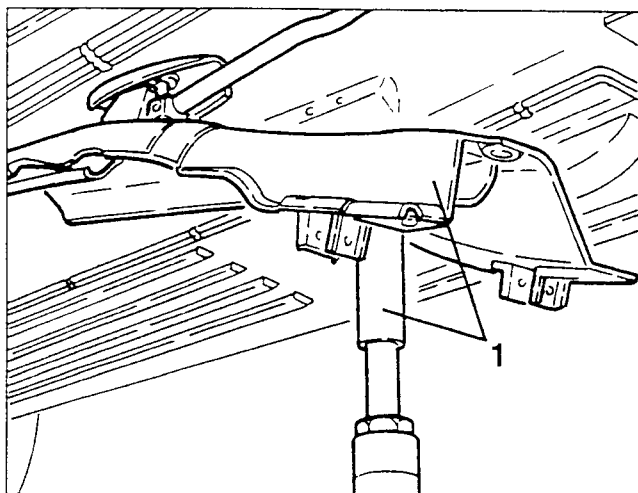
1. Slacken the fastening bolts and remove the catalytic converter complete with the first silencer of the exhaust system.



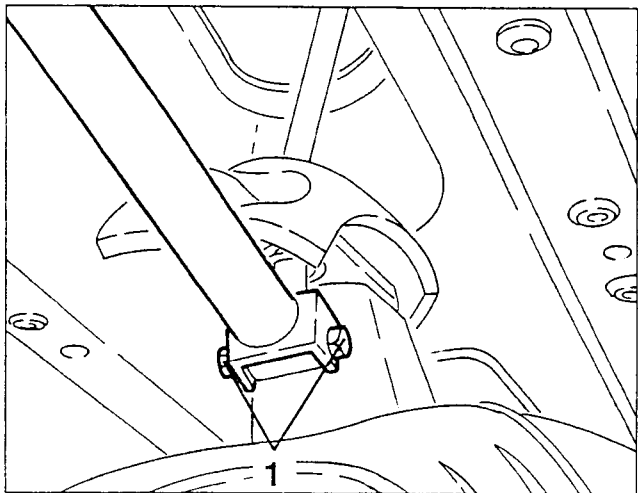
1. Slacken the screws fastening the gearshift controls support with the exception of the two rear ones.



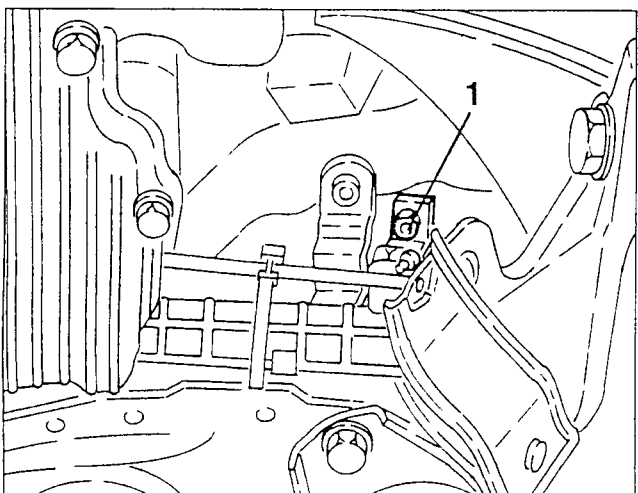
1. Using a hydraulic jack as support, lower the front of the gearshift controls support as illustrated.



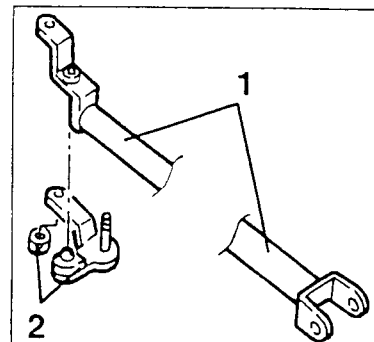
1. Disconnect the gearshift control rod from the lever slackening the fastening bolt.



1. Disconnect the gearshift control rod from the support on the power steering box slackening the fastening nut.



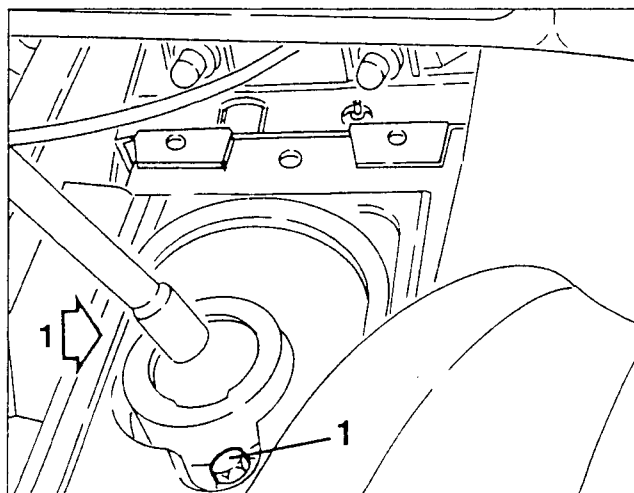
1. Remove the gearshift control rod.  
2. If necessary remove the relay levers slackening the remaining fastening nut.



## GEARSHIFT CONTROL LEVER

### REMOVING/REFITTING

Proceed as described in the procedure "Gearshift control rod - Removing/Refitting" as far as disconnection of the gearshift control lever from the rod and taking care to slacken the two screws (1) fastening the gearshift control lever to the support, before slackening the fastenings of the gearshift controls support.



1. From under the car, retrieve the gearshift control lever complete with joint and frame.

