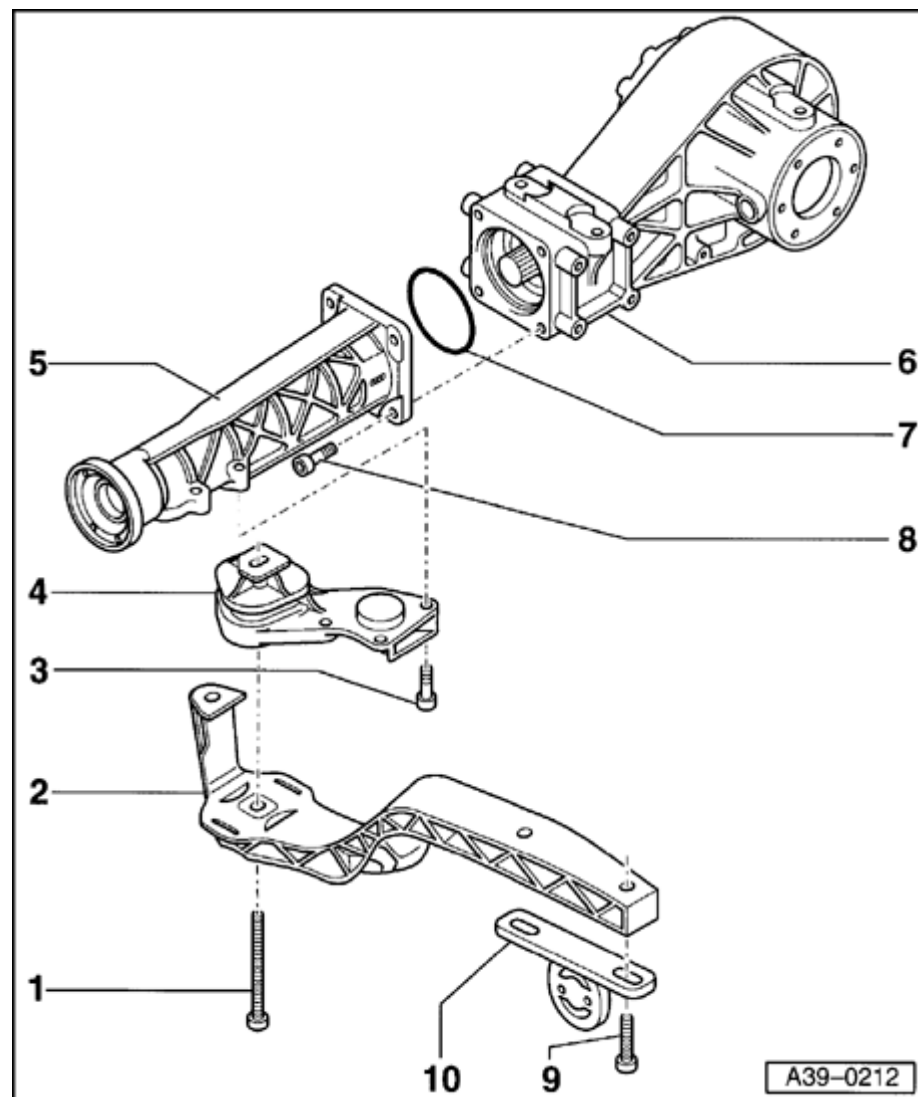


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Torque tube, removing and installing

Assembly overview

1 - Bolt - 40 Nm

2 - Front crossmember

3 - Bolt - 40 Nm

4 - Transmission support

5 - Torque tube

6 - Rear final drive housing

7 - O-ring

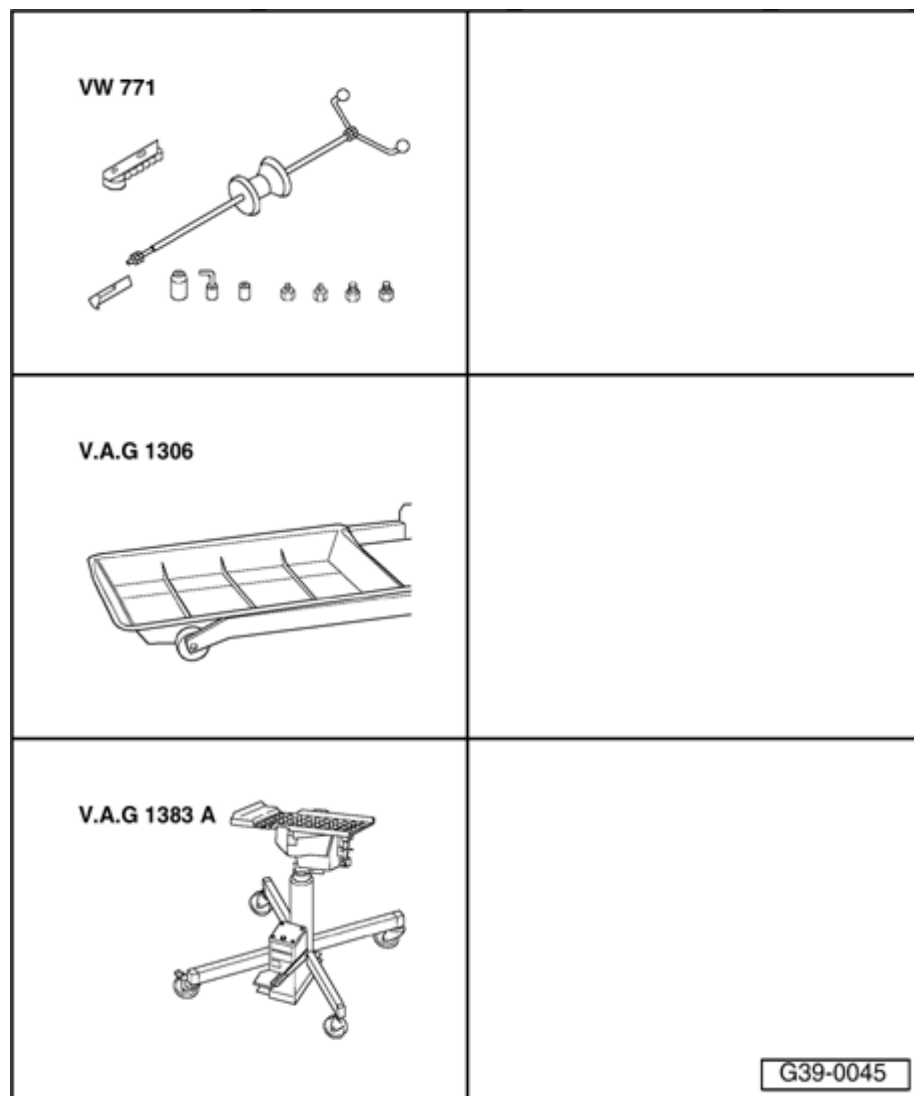
8 - Bolt - 35 Nm

9 - Bolt - 23 Nm

10 - Bracket

◆ For exhaust system

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Removing

- Rear final drive installed

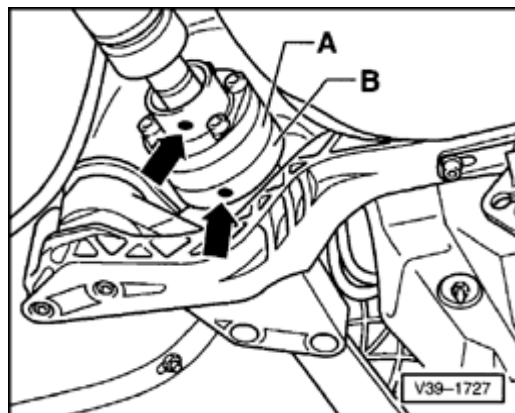
Special tools and equipment

- ◆ VW 771 slide hammer-complete set with 771/15 threaded piece
- ◆ VAG1306 drip tray
- ◆ Engine/transmission jack VAG1383A engine/gearbox jack

- Place VAG1306 drip tray underneath and drain gear oil.
- Remove rear part of exhaust system behind clamping sleeve(s):

⇒ *Repair Manual, Engine Mechanical, Repair Group 26; removing and installing exhaust system*

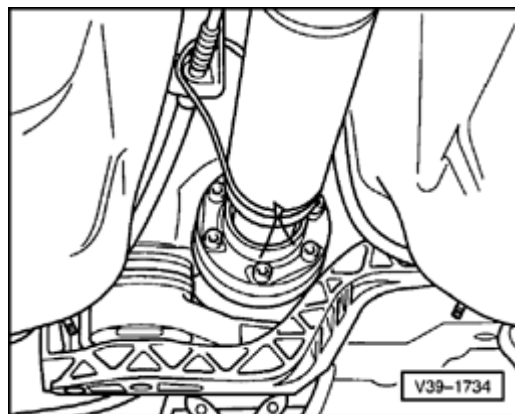
- Remove heat shields above driveshaft.
- Remove heat shield beside final drive.



A

- Check whether there is a factory marking (color marking) on the driveshaft. If not, mark location of driveshaft flange -A- to rear final drive -B- with color.
- Remove mounting bolts of driveshaft flange.

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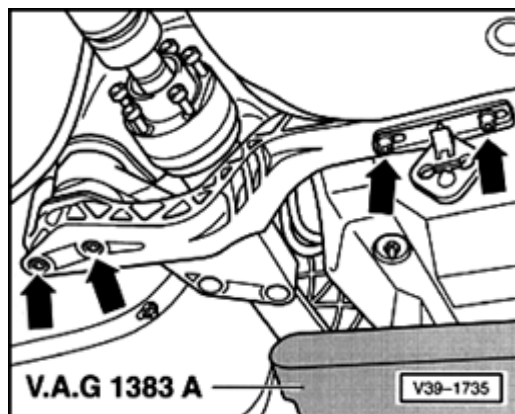


- A**
- Tie up driveshaft at mount for parking brake cable using wire.

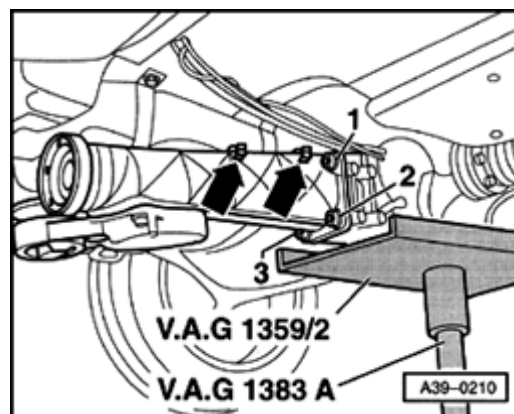
Note:

If the driveshaft cannot be pressed upward past the flange, tie up driveshaft after lowering final drive. When lowering, secure driveshaft against falling down and note permissible bending angle of driveshaft ⇒ Notes ⇒ [page 39-73](#) .

- Support final drive using VAG1383A engine/transmission hoist.



- A**
- Remove bolts (arrows) at front crossmember for rear final drive.
 - Remove front crossmember.



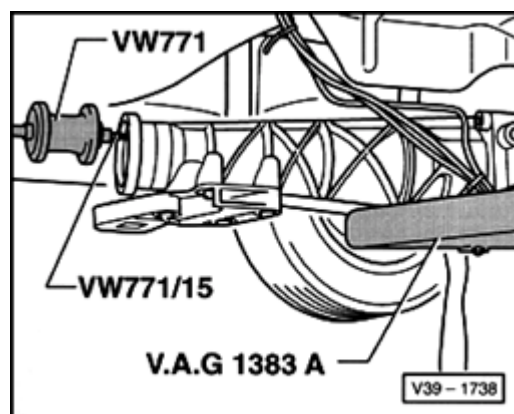
- Lower final drive approx. 10 cm.



- Remove 4 bolts for torque tube 1 to 3.

Note:

The 4. bolt is not visible in the illustration.



- Pull off flange shaft with torque tube.

Installing

Installation is reverse of removal, noting the following:

Notes:

- ◆ *After removing driveshaft, always remove any remaining locking fluid from thread holes in the transmission drive flanges and the rear final drive. Otherwise there is a possibility that the new bolts may get jammed when installed and shear when removed.*
- ◆ *Cleaning can be performed with a tap.*
- ◆ *Always replace seal between drive flange and driveshaft (remove protective film and attach seal to drive flange). Adhesive surface must be free of grease.*
- ◆ *Replace driveshaft bolts (self-locking).*
- Determine radial run-out at flange/driveshaft if a factory marking is present at the driveshaft ⇒ [page 39-86](#) and adjust color marking at driveshaft to new marking at flange.

- Install exhaust system free of stress:

⇒ *Repair Manual, Engine Mechanical, Repair Group 26; removing and installing exhaust system*

- Top-up and check gear oil in rear final drive ⇒ [page 39-94](#) .

Tightening torques

| Component | Nm |
|--|----|
| Torque tube to rear final drive | 35 |
| Driveshaft to final drive (Input flange) | 55 |
| Front crossmember for rear final drive to body | 40 |
| Front crossmember for rear final drive with exhaust system bracket to body | 23 |
| Oil filler plug | 35 |
| Nuts for clamping sleeve | 40 |