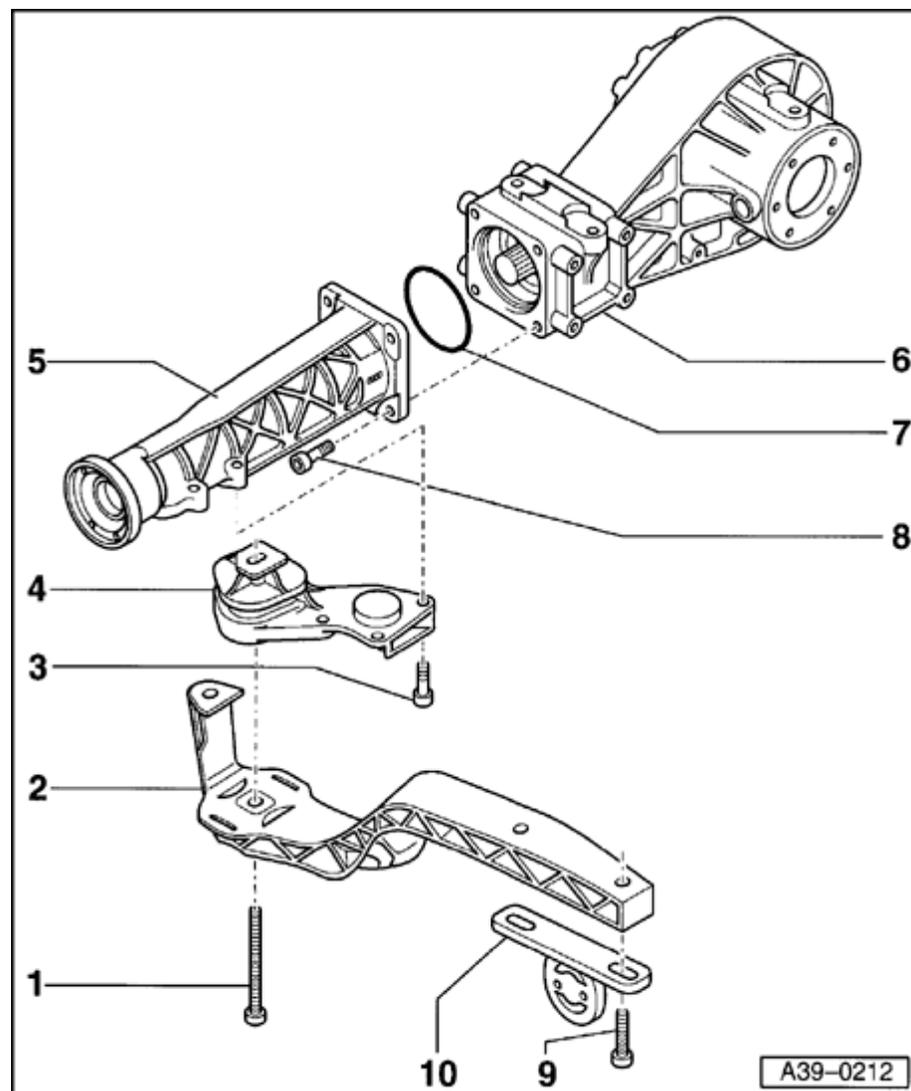


39-81



Drive flange housing, removing and installing

Assembly overview

- 1 - Bolt, 40 Nm
 - 2 - Front cross member
 - 3 - Bolt, 40 Nm
 - 4 - Final drive support
 - 5 - Drive flange housing
 - 6 - Rear final drive housing
 - 7 - O-ring
 - 8 - Bolt, 35 Nm
 - 9 - Bolt, 23 Nm
 - 10 - Bracket
- ◆ For exhaust system

Removing

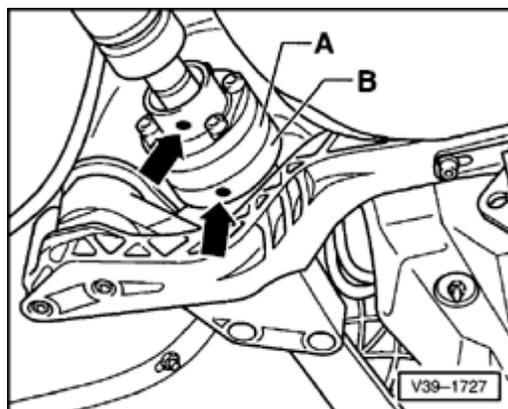
- Rear final drive installed

Special tools, testers and auxiliary items

- ◆ Multipurpose tool VW 771 and 771/15
- ◆ Drip tray V.A.G 1306
- ◆ Universal support V.A.G 1359/2
- ◆ Engine/transmission jack V.A.G 1383 A
- Place drip tray V.A.G 1306 underneath and drain transmission oil.
- Remove rear section of exhaust system (rearward of exhaust pipe clamp(s)):

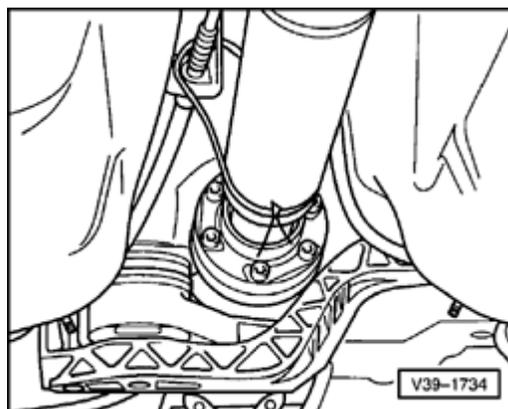
⇒ [Repair Manual, 2.7 Liter V6 5V BiTurbo Engine Mechanical, Engine Code\(s\): APB, Repair Group 26](#)

- Remove heat shield above driveshaft.
- Remove heat shield next to rear final drive.



A

- Check whether there is a factory marking (paint spot) on driveshaft. If not, mark position of driveshaft flange -A- in relation to rear final drive (arrow -B-) with paint.
- Unscrew bolts from driveshaft flange.



A

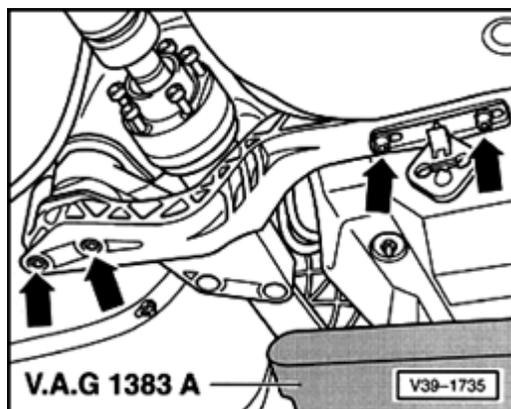
- Secure driveshaft to parking brake cable bracket with wire.

Note:

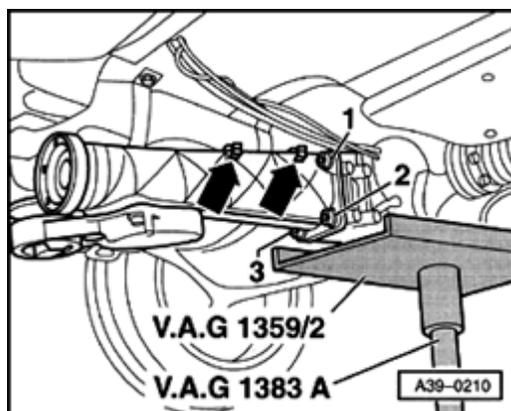
If it is not possible to push the driveshaft up and off the flange, lower the final drive before tying up the driveshaft. When lowering the final drive, prevent the driveshaft from dropping down, and do not bend the center joint further than the maximum angle permitted ⇒ [Page 39-64](#) , Notes.

39-84

- Support final drive with transmission jack V.A.G 1383 A.



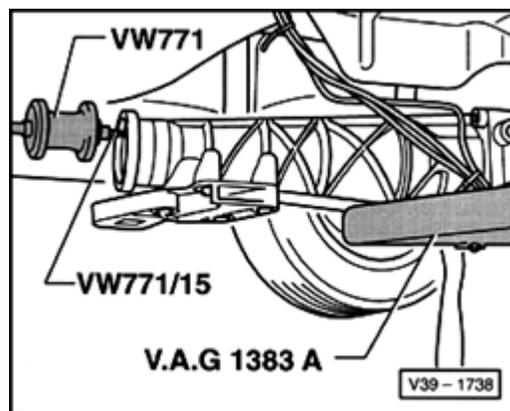
- A
- Unscrew bolts (arrows) on front cross member for rear final drive.
 - Detach front cross member.
 - Lower final drive about 10 cm.



- A
- Unscrew 4 bolts for drive flange housing (see -1-, -2- and -3- in illustration).

Note:

Fourth bolt not shown in illustration.



A

- Pull off drive flange with drive flange housing.

Installing

Installation is carried out in the reverse order;
when doing this note the following:

Note:

- ◆ *After removing the driveshaft, it is important to clean any remaining locking compound out of the threads in the drive flanges on the transmission and rear final drive. If this is neglected, the new bolts can seize when they are screwed in and shear off later if they have to be removed.*
- ◆ *The threaded holes can be cleaned with a thread tap.*
- ◆ *Replace gasket between driveshaft and drive flange (pull off backing foil and stick gasket onto drive flange). Surface must be free of grease.*
- ◆ *Replace driveshaft bolts (self-locking).*
- If there is a factory marking on the driveshaft, measure the radial run-out at the flange for the driveshaft (⇒ [Page 39-73](#)) and align the paint marking on the driveshaft with new marking on the flange.

- Align exhaust system free of stress.

⇒ [Repair Manual, 2.7 Liter V6 5V BiTurbo Engine Mechanical, Engine Code\(s\): APB, Repair Group 26](#)

- Top up gear oil in rear final drive and check oil level ⇒ [Page 39-80](#) .

Tightening torques

| Component | Nm |
|---|----|
| Drive flange housing to rear final drive | 35 |
| Driveshaft to final drive (input flange) | 55 |
| Front cross member for rear final drive to body | 40 |
| Front cross member for rear final drive and exhaust bracket to body | 23 |
| Oil filler plug | 35 |
| Nuts for clamp | 40 |