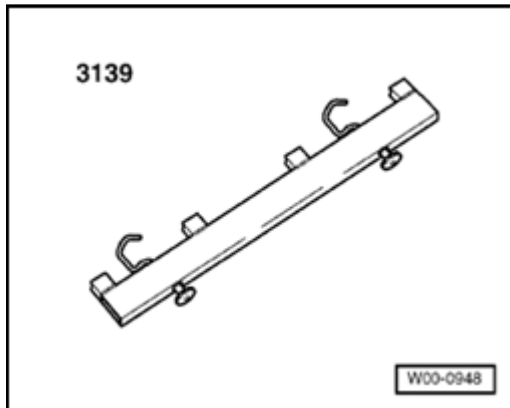


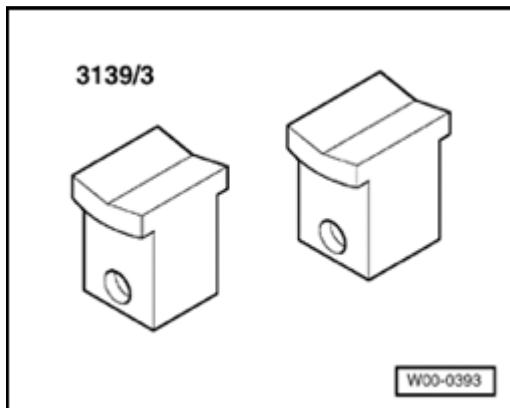
Audi > C5 > 1998-2005
5 Spd. Automatic Transmission 01L All Wheel Drive
39F - Driveshaft, servicing

Driveshaft, removing and installing

Special tools, testers and auxiliary items required



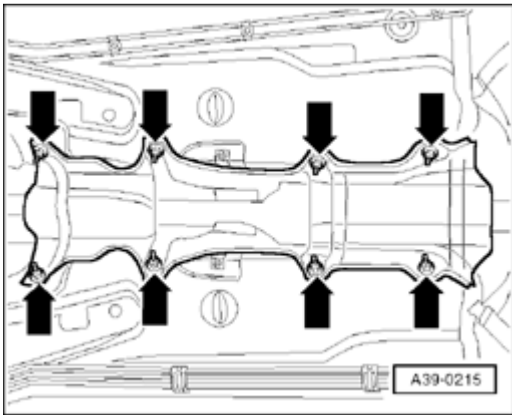
* Alignment fixture 3139



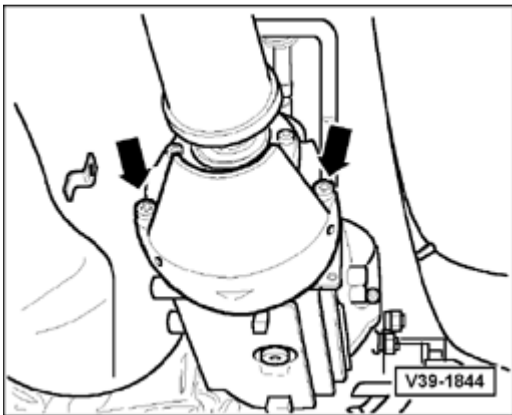
* Spacing device 3139/3

Removing

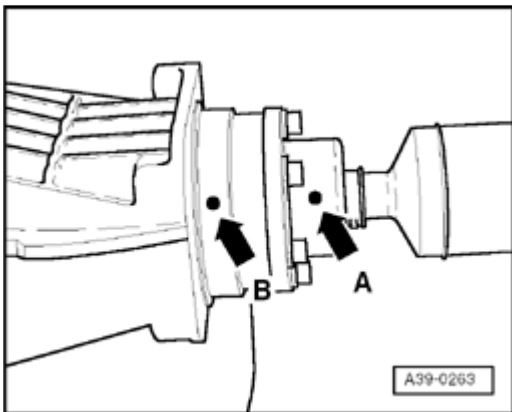
- See notes ⇒ [Driveshaft, servicing](#) .
- If present, remove cross member below exhaust system.
- Remove rear part of exhaust system from clamping sleeve(s) ⇒ Engine Mechanical - Repair Group 26 .



- Remove heat shields for driveshaft from body - **arrows** - .

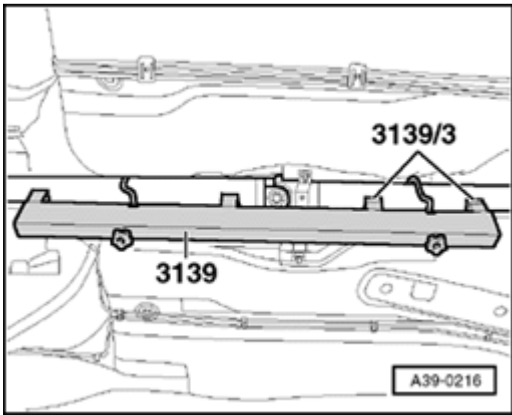


- Remove heat shield for driveshaft from cover for Torsen differential - **arrows** - .



- Check for a factory mark (colored dot) on driveshaft and on driveshaft flange on rear final drive. If not, mark location of driveshaft flange - **arrow A** - to rear final drive - **arrow B** - with color.

- Remove three upper bolts on each driveshaft constant velocity joint.

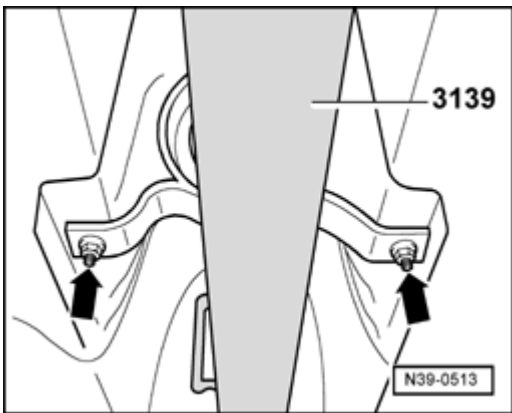


- Attach alignment fixture 3139 with adapters 3139/3 and tighten plastic nuts.

Note:

◆ *Never install assembly appliance onto balance plates.*

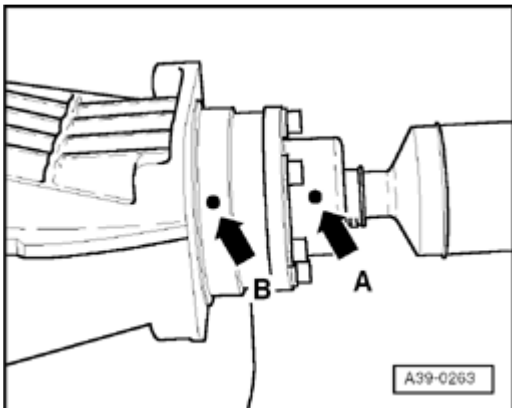
- Remove three remaining bolts from front and rear constant velocity joints.



- Remove securing nuts - **arrows** - for intermediate bearing and remove driveshaft using alignment fixture.

Note:

◆ *Always transport and store driveshaft in extended position.*



Installing

Install in reverse order, paying attention to the following:

Note:

- *For proper balance, the driveshaft flanges - **arrow A** - and rear final drive - **arrow B** - must be installed so that the factory color markings or markings which were made afterward are aligned.*
 - *If a new driveshaft is installed and the factory color marking on the rear final drive flange is no longer visible, check radial run out at flange/driveshaft ⇒ [Radial run-out at flange/driveshaft, measuring and marking](#) and adjust color marking at driveshaft to new marking at flange.*
 - *Replace gaskets on flange shafts (remove backing foil and place gasket on flange).*
 - *After removal of the drive shaft from the rear final drive, do not reinstall additional balance washer (thicker washer) that may be between washer and bolt head.*
 - *The threads in the drive flanges of the transmission and the rear final drive must absolutely be cleaned of locking compound residue after the driveshaft is removed. Otherwise there is a possibility that the new bolts may get jammed when installed and shear when removed.*
 - *Cleaning can be performed with a thread tap.*
 - *Replace driveshaft bolts (self-locking).*
- Adjust driveshaft after installation ⇒ [Driveshaft, adjusting](#) .
- Position exhaust system free of tension ⇒ Engine Mechanical - Repair Group 26 .

Torque specifications

Component	Nm
Center bearing to body	25
Driveshaft to manual transmission	55
Driveshaft to rear final drive	55
Driveshaft heat shield to torsen differential cover	25
Front cross member below exhaust system to body	25
Clamping sleeve nuts	40