

AXLE SHAFTS

Article Text

1993 Volkswagen Passat

For Volkswagen Technical Site: <http://vw.belcom.ru>

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Wednesday, March 22, 2000 10:02PM

ARTICLE BEGINNING

1993-94 DRIVE AXLES

Volkswagen Axle Shafts - FWD

Corrado SLC, Passat

TROUBLE SHOOTING

Refer to TROUBLE SHOOTING - BASIC PROCEDURES article in the GENERAL TROUBLE SHOOTING section.

REMOVAL, DISASSEMBLY, REASSEMBLY & INSTALLATION

NOTE: Clean bolts and nuts to ensure tightening torque is correct.

AXLE SHAFT

Removal

1) Remove axle shaft nut. Remove wheel. Remove brake caliper, and secure aside. Remove tie rod end bolts.

2) Remove 2 bolts attaching spindle assembly to strut assembly. Remove lower ball joint bolt or nut if necessary. Remove spindle assembly. Loosen inner CV joint from transaxle flange. On models with V6 engine, use Axle Press (3283) to press axle from wheel housing. Clean old locking compound from splines. Remove axle shaft assembly. See Fig. 1.

Disassembly & Reassembly

1) Remove axle shaft boot(s). Using a drift, remove protective cap from CV joint. Remove circlip from inner CV joint. Support CV joint with axle assembly on Support Stand (VW 402).

2) Using Driver (VW 408A), press inner CV joint off axle shaft. DO NOT disassemble inner CV joint, replace complete unit. To remove outer CV joint, use a driver and hammer to drive CV joint off axle shaft.

3) Rotate inner race and remove balls. Inspect for galling or wear. Cover balls with grease and reinstall in race.

4) To reassemble, reverse disassembly procedure. Refer to the AXLE SHAFT LENGTH table. Use new circlips and boot clamps during assembly.

Installation

To install, reverse removal procedure. Install new axle shaft nut. On models with V6 engine, apply locking compound to splines. See the TORQUE SPECIFICATIONS table.

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Article Text (p. 2)

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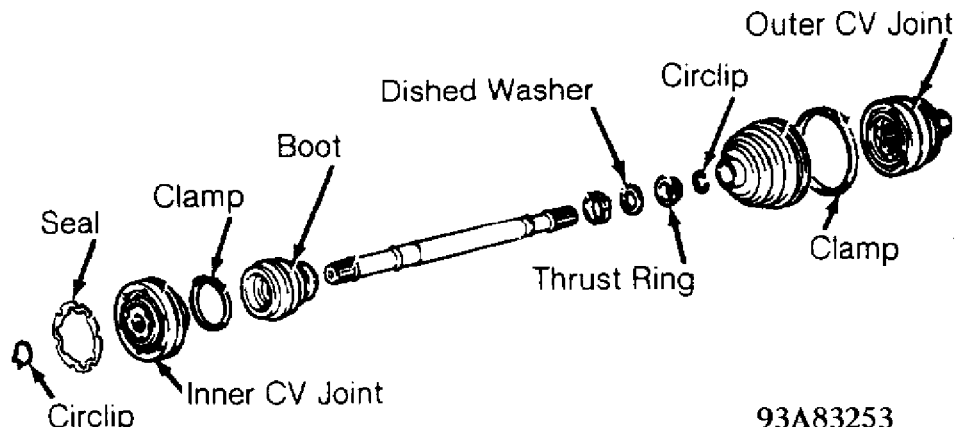


Fig. 1: View Of Axle Shaft (M/T Transaxle Shown; Others Similar)
Courtesy of Volkswagen United States, Inc.

AXLE SHAFT LENGTH TABLE

AA

Application	In. (mm)
Corrado SLC	
Left Axle	17.04 (432.8)
Right Axle	26.24 (666.5)

Passat

Vibration Dampener (1)

Left Axle	10.41 (264.5)
Right Axle	9.88 (251.0)

(1) - Measured from outer surface of CV joint to outer surface of vibration dampener.

AA

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

AA

Application	Ft. Lbs. (N.m)
Corrado SLC	
Axle Shaft Nut	195 (265)
Brake Caliper Bolt	46 (63)
Inner CV Joint-To-Transaxle Bolt	33 (45)
Lower Ball Joint Nut	25 (35)
Tie Rod End Nut	22 (30)
Spindle Assembly-To-Strut Nut	58 (78)

Passat

Axle Shaft Nut	195 (265)
Brake Caliper Bolt	92 (125)
Inner CV Joint-To-Transaxle Bolt	33 (45)
Lower Ball Joint Nut	46 (63)

AXLE SHAFTS

Article Text (p. 3)

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Tie Rod End Nut 30 (40)

Spindle Assembly-To-Strut Nut 69 (94)

AA

END OF ARTICLE