

# TRANSMISSION REMOVAL & INSTALLATION - A/T

## Article Text

1993 Volkswagen EuroVan  
For Volkswagen Technical Site  
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Saturday, March 18, 2000 10:38PM

### ARTICLE BEGINNING

1993-94 TRANSMISSION SERVICING  
Volkswagen Transmission Removal & Installation - Automatic  
EuroVan

### REMOVAL & INSTALLATION

#### REMOVAL

- 1) Obtain radio code. Disconnect negative battery cable. Remove bolts and tilt radiator forward. Remove upper transaxle-to-engine mounting bolts.
- 2) Raise and support vehicle. Remove noise deadening panel and left horn cap. Remove all electrical connectors from transaxle. Disconnect oxygen sensor wiring harness connector.
- 3) Disconnect front exhaust pipe. Remove transaxle support from engine and bearing housing. Remove transaxle inspection plate cover. Remove torque converter-to-drive plate bolts.
- 4) Release tension from torsion bars. Disconnect left shock absorber from lower suspension link. Disconnect axle shafts from transaxle and support with wire. Loosen alternator mounting.
- 5) Support engine and transaxle with jack and raise slightly. Disconnect remaining engine/transaxle mounts. Remove lower engine-to-transaxle mounting bolts. Lower engine and transaxle out of vehicle as an assembly.

#### INSTALLATION

To install, reverse removal procedure. Adjust accelerator and selector cables if necessary. Use NEW self-locking nuts. Ensure engine mounts are installed to original location. Tighten engine mounting bolts to specification with engine running at idle. Refer to the TORQUE SPECIFICATIONS table.

### TORQUE SPECIFICATIONS

#### TORQUE SPECIFICATIONS TABLE

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Applications	Ft. Lbs. (N.m)
Axle Shaft-To-Flange Bolts .....	41 (55)
Bearing Housing	
Engine Mount Bolts .....	48 (65)
Inner Bracket .....	33 (45)
Outer Bracket .....	48 (65)
Torque Converter-To-Drive Plate Bolts .....	44 (60)
Transaxle-To-Engine Bolts .....	55 (75)
M8 Bolts .....	15 (20)
M10 Bolts .....	44 (60)

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**Article Text (p. 2)**

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M12 Bolts ..... 59 (80)

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**END OF ARTICLE**