

TRANSMISSION REMOVAL & INSTALL - A/T (4R44E/5R55E)

1997 AUTOMATIC TRANSMISSION REMOVAL Ford Motor Co. - 4R44E/5R55E

APPLICATION

TRANSMISSION APPLICATION

Model	Transmission
3.0L	4R44E
4.0L	5R55E

REMOVAL & INSTALLATION

CAUTION: On vehicles equipped with electrical air suspension, power to air suspension system must be shut off prior to hoisting, jacking or towing an air suspension vehicle. The air suspension switch is located behind right kick panel area. Failure to do so can result in inflation or deflation of air springs, which may cause vehicle to shift during these operations.

CAUTION: When battery is disconnected, vehicle computer may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See the **COMPUTER RELEARN PROCEDURES** article in the **GENERAL INFORMATION** section before disconnecting battery.

Removal

1. Place selector lever in Neutral. Disconnect negative battery cable. Remove transmission dipstick. Raise and support vehicle. Drain transmission.
2. On 3.0L models, Remove torque converter access cover. On all models, Remove starter. Mark torque converter and flexplate alignment for installation reference. Remove and discard torque converter nuts.
3. Mark drive shaft alignment for installation reference. Remove drive shaft and plug extension housing. Remove speedometer cable from extension housing. Disconnect shift cable from transmission. Disconnect necessary electrical connections.
4. Remove engine mount-to-crossmember nuts. Support transmission with transmission jack. Remove crossmember. Remove transmission mount. On 3.0L models, remove catalytic converter.
5. On 4WD models, remove transfer case. See **TRANSFER CASE** article in **TRANSFER CASES**. On all models, remove oil filler tube. Disconnect oil cooler line at transmission and plug all openings. Position wiring harness and hardware aside. Remove transmission-to-engine retaining bolts. Remove transmission.

Installation

1. To install, reverse removal procedure. Use NEW "O" ring on filler tube. Ensure torque converter is fully seated. Align reference marks on drive shaft and axle flange or yoke.
2. Tighten torque converter drain plug and all bolts/nuts to specification. See **TORQUE**

SPECIFICATIONS. Fill transaxle with appropriate transmission fluid. For fluid type, capacity and control cable or linkage adjustment, see the TRANSMISSION SERVICING - A/T article.

TORQUE SPECIFICATIONS

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Application	Ft. Lbs. (N.m)
Crossmember-To-Frame Bolt	
Aerostar	28-38 (38-52)
Ranger	65-85 (88-115)
Torque Converter-To-Flexplate Nut	
	22-30 (30-41)
Transmission Mount-To-Crossmember Nut	
Aerostar	73-97 (99-132)
Ranger	65-85 (88-115)
Transmission Mount-To-Transmission Extension	
Housing Bolt	
	60-80 (81-108)
Transmission-To-Engine Bolt	
	30-41 (41-56)