

CLEANING AND INSPECTION (Continued)

Ensure that bearings are clean and then lubricate with transmission fluid. Replace any bearings and races which show signs of pitting or roughness.

Stator to Impeller Interference Check

1. Position stator support assembly on a bench with spline end pointing up.
2. Mount a converter on stator support with splines on one-way clutch inner race engaging mating splines of stator support.
3. Hold stator support stationary, and try to rotate torque converter both clockwise and counterclockwise. Converter should rotate freely without any signs of interference or scraping within converter assembly.
4. If there is an indication of scraping, trailing edges of stator blades may be interfering with leading edges of impeller blades. In such cases, replace converter.

Converter and Oil Cooler

Tools Required:

- Rotunda Torque Converter and Oil Cooler Cleaner 014-00028

When internal wear or damage has occurred in the transaxle, metal particles, clutch plate material, or band material may have been carried into the converter and oil cooler. These contaminants are a major cause of recurring transaxle troubles and **MUST** be removed from the system before the transaxle is put back into service.

Whenever a transaxle has been disassembled to replace worn or damaged parts or because the valve body sticks due to foreign material, the converter and oil cooler **MUST** be cleaned by using a mechanically agitated cleaner, such as Rotunda Torque Converter and Oil Cooler Cleaner 014-00028 or equivalent.

The lack of a drain plug in the AXODE (AX4S) converter increases the amount of residual flushing solvent retained in the converter after cleaning. This retained solvent is not acceptable and a method of diluting it is required. The following procedure is to be used after removal of the AXODE (AX4S) torque converter from the cleaning equipment.

1. **Thoroughly drain** remaining solvent through hub.
2. Add 1.9 L (2.0 qt) of clean transmission fluid to converter. Agitate by hand.
3. **Thoroughly drain** solution through converter hub.

SPECIFICATIONS

CLUTCH AND BAND APPLICATION CHART

Gear	Lo-Int Band	Overdrive Band	Forward Clutch	Intermediate Clutch	Direct Clutch	Reverse Clutch	Low One-Way Clutch	Direct One-Way Clutch
1st Gear Manual Low	Applied		Applied		Applied		Applied	Applied
1st Gear (Drive)	Applied		Applied				Applied	
2nd Gear (Drive)	Applied		Applied	Applied			Holding	
3rd Gear (Drive)				Applied	Applied			
4th Gear (Overdrive)		Applied		Applied	Applied			Holding
Reverse (R)			Applied			Applied	Applied	
Neutral (N)			Applied					
Park (P)			Applied					

FLUID CAPACITY

Type	Liters	Quarts
MERCON® Ford Specification E4AZ-19582-B	12.2	12.8

TORQUE SPECIFICATIONS

Description	N-m	Lb-Ft
Separator Plate to Main Control	9-12	7-9
Separator Plate to Pump Body	9-12	7-9

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TORQUE SPECIFICATIONS (Cont'd)

Description	N-m	Lb-Ft
Detent Spring to Chain Cover	9-12	7-9
Solenoid to Main Control	9-12	7-9
Low-Intermediate Servo Cover to Case	9-12	7-9
Overdrive Servo Cover to Case	9-12	7-9
Pump Cover to Pump Body	9-12	7-9
Filler Tube to Case	9-12	7-9

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