

Update / Correction Ford Transmissions – EP.TransF

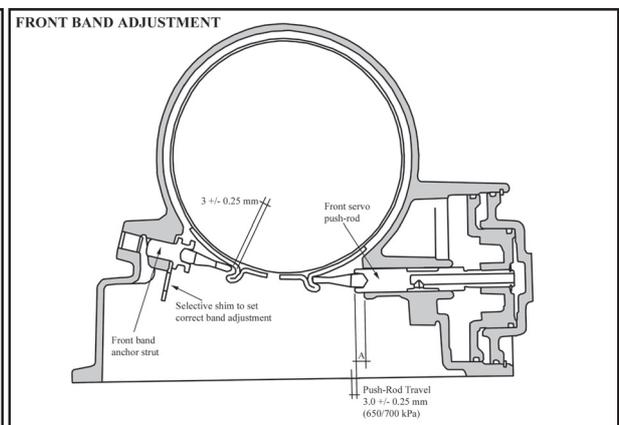
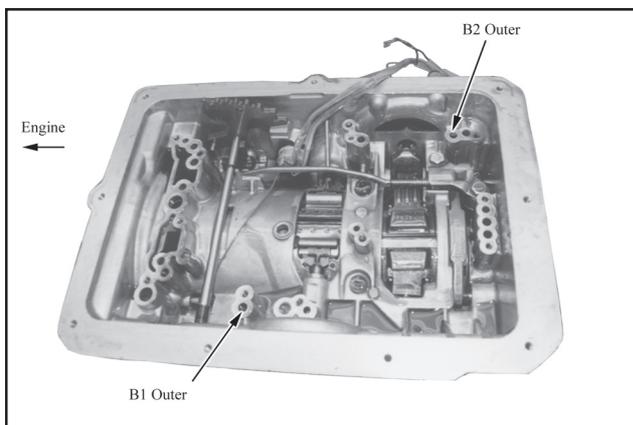
BTR LE Series Automatic Transmission

LE 93/97 Model (EF-AU) Band Adjustment: Page 169

* Band adjustment covered in manual only covers LE 85/91/95 Models. (EA-ED).

Front Band

1. From the transmission case measure the protrusion of the front servo push rod.
2. To the front servo apply area (B1 outer); apply air pressure at 650/700 kPa.
3. Measure the travel of the push rod.
4. Subtract 3mm from travel to determine shim size.



5. Release air.
6. Install the shim between the case abutment face and the anchor strut flange. Install shim by hand pressing on until a click is heard which indicates shim is clipped home correctly.

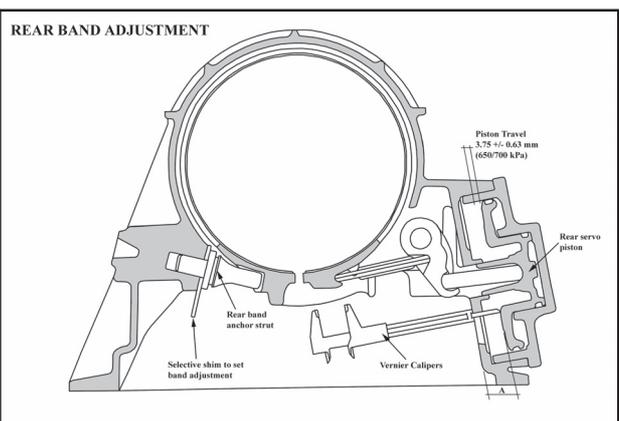
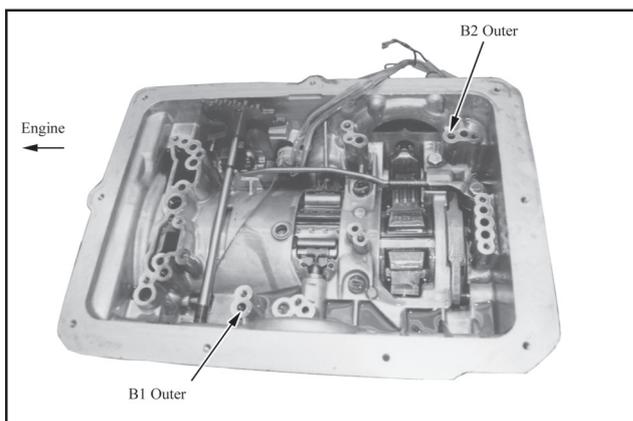
Note: Do not force or hammer shims into position.

7. Re-check push rod travel is within specification.

Push Rod Travel: $3 \text{ mm} \pm 0.25 \text{ mm}$

Rear Band

1. Using a set of vernier calipers measure the distance from the rear servo piston to the inner face of transmission case (distance A).
2. To the rear servo apply area (B2 outer); apply air pressure at 650/700 kPa.
3. Measure the travel of the piston.
4. Subtract 3.75mm from travel, then divide the remainder by 2.5 to determine shim size.



5. Release air.

6. Install the shim between the case abutment face and the anchor strut flange. Install shim by hand pressing on until a click is heard which indicates shim is clipped home correctly.

Note: Do not force or hammer shims into position.

7. Re-check push rod travel is within specification.

Push Rod Travel: 3.75mm +/- 0.625mm

LE 93/97 Model (EF-AU) Fluid Level Check: Page 167

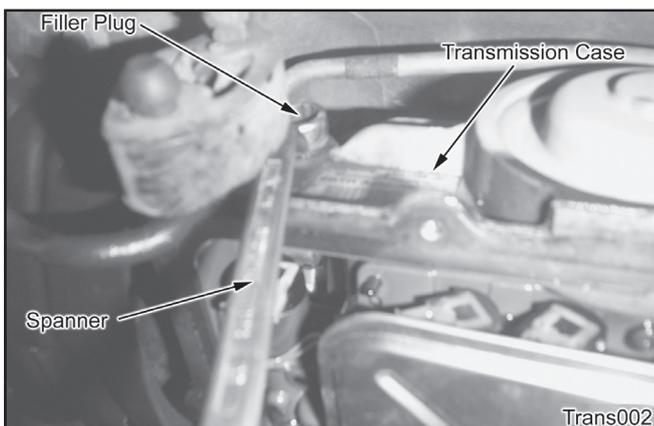
* Fluid level check covered in manual only covers LE 85/91/95 Models. (EA-ED).

Check Fluid Level

1. Apply parking brake on vehicle and raise vehicle on a hoist or place over a service pit. (vehicle needs to be level to check fluid).

2. The transmission sump should be warm to touch, but should not be at operating temperature.

3. Clean area around the filler plug to prevent dirt entering the transmission, then remove the transmission filler plug.



4. Check to ensure the transmission fluid is level with the bottom of the filler hole, top up fluid if required using specified transmission fluid.

Transmission Fluid TQ95

5. Once fluid is at correct level, install filler plug and tighten to specification.

Transmission Filler Plug 30-35 Nm

Changing Fluid

1. Raise vehicle and place a large drain tray under transmission oil pan.

2. Remove transmissions drain plug and allow fluid to drain.

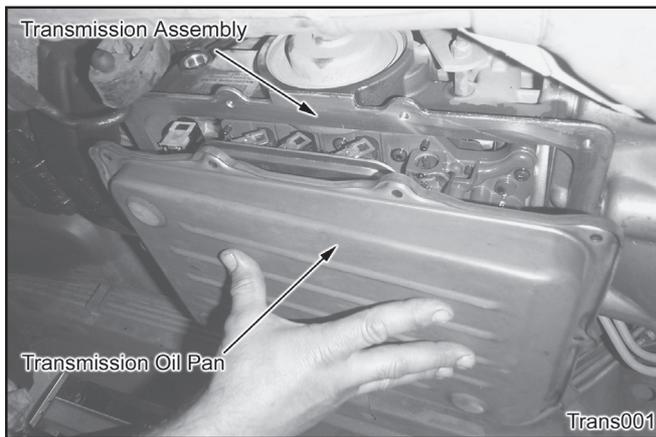
3. Remove oil pan retaining bolts and tap pan at one corner to break it loose, allow remaining fluid to drain, then remove pan.

4. Clean the area around the filler plug to prevent dirt entering the transmission, then remove the transmission filler plug.

5. Clean transmission case gasket surface and oil pan.

6. Install oil pan with a new gasket, tighten bolts to specified torque.

Oil pan bolt torque specification 4.5 Nm



7. Partially fill the transmission, then ensure the park brake is firmly applied and the gear selector is in park position.

8. Start the engine and allow to idle, cycle the gear selector through all positions, while adding transmission fluid until gear application is felt.

9. Add an additional 0.5 litres once the gear application is felt.

Transmission Fluid TQ95

Overall Fill Quantity:

Service Refill - converter full 4 litres approx.

Dry Transmission 9 litres approx.

10. Switch off engine then install filler plug and tighten to specification.

11. Drive the vehicle for approximately 3.5-4.5 km at light throttle (do not exceed 2500rpm).

12. Check transmission fluid level as described previously.

Transmission Filler Plug 30-35 Nm