

## FORD 4F27-E MAZDA FN4A-EL 1-2 FLARE AND 3-4 NEUTRAL

**COMPLAINT:** Ford or Mazda vehicles equipped with the 4F27-E or FN4A-EL, may exhibit a slight flare on the 1-2 upshift and a neutralizing or slide on the 3-4 upshift that is worse with hotter temperatures.

**CAUSE:** The cause may be, the bonded 2-4 servo piston is worn or the pin is loose from the piston, as shown in Figure 1. The cause for the piston being worn is because of a rough surface in the servo bore in the case.

**CORRECTION:** Replace the 2-4 servo piston, as shown in Figure 1. Using some fine sand paper or scotch-brite, lightly sand the bore of the case where the bonded rubber part of the servo rides, to ensure that is smooth. See Figure 2. Re-assemble the servo assembly back into the case as shown in Figure 3. **NOTE: If this repair is attempted in the vehicle, the linkage which is right over the 2-4 servo piston, will have to be removed, which means the mount bolts will have to be removed and the transmission lowered in the vehicle.**

### SERVICE INFORMATION:

2-4 BONDED SERVO PISTON (Ford part number).....XS4Z-7D021-AB

**NOTE:** This piston is also available at aftermarket parts distributors as well.

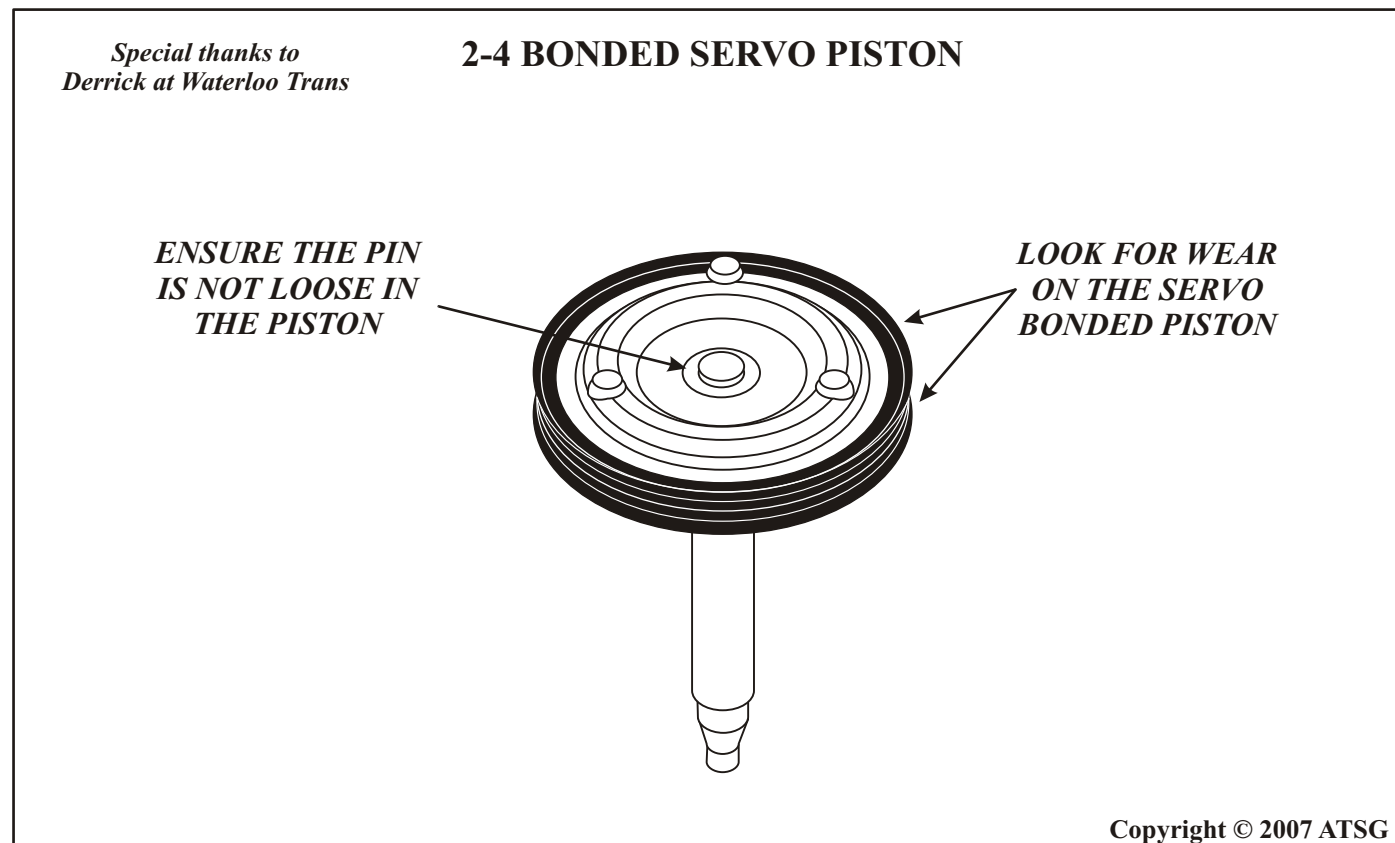
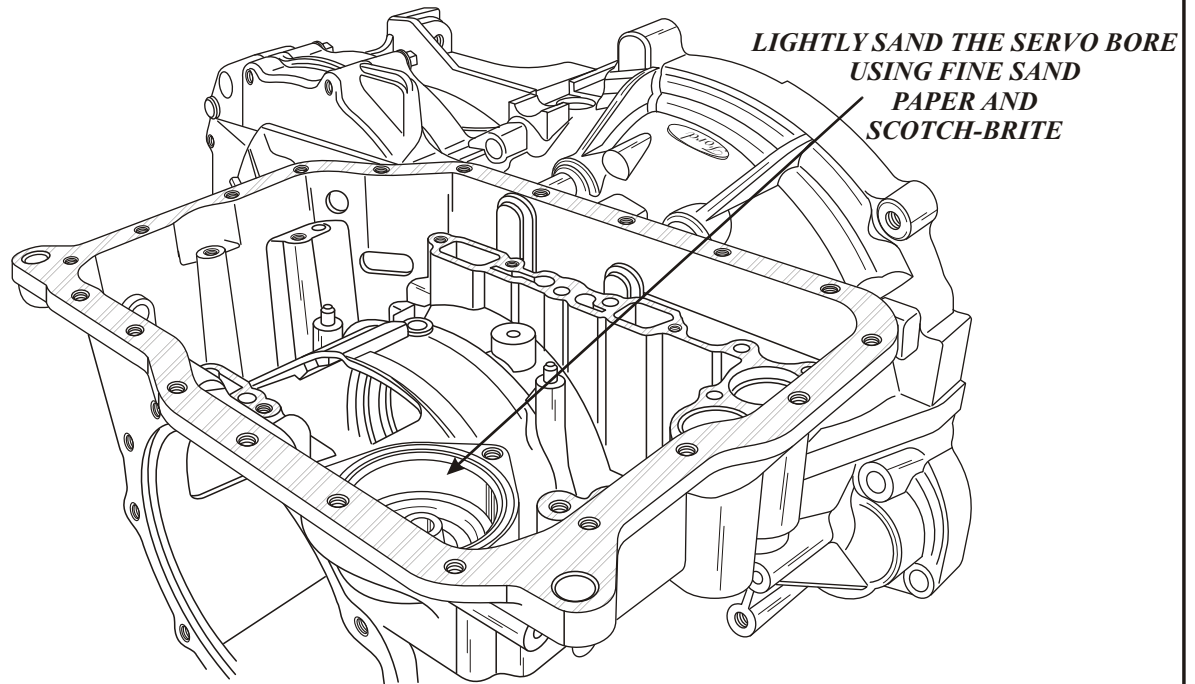


Figure 1

## SERVO BORE



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Figure 2

## SERVO RE-ASSEMBLY

2-4 SERVO COVER  
"O" RING SEAL

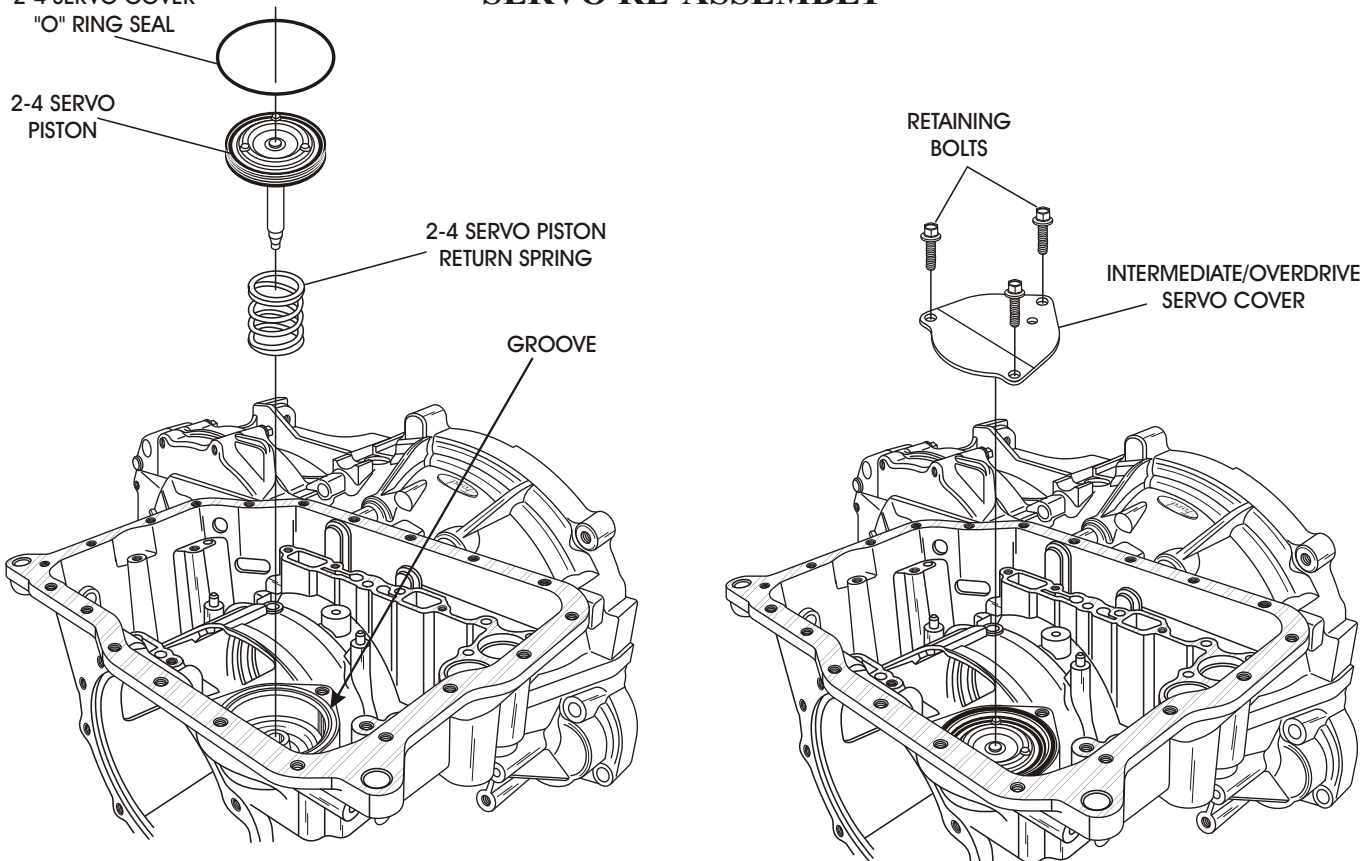
2-4 SERVO  
PISTON

2-4 SERVO PISTON  
RETURN SPRING

GROOVE

RETAINING  
BOLTS

INTERMEDIATE/OVERDRIVE  
SERVO COVER



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Figure 3