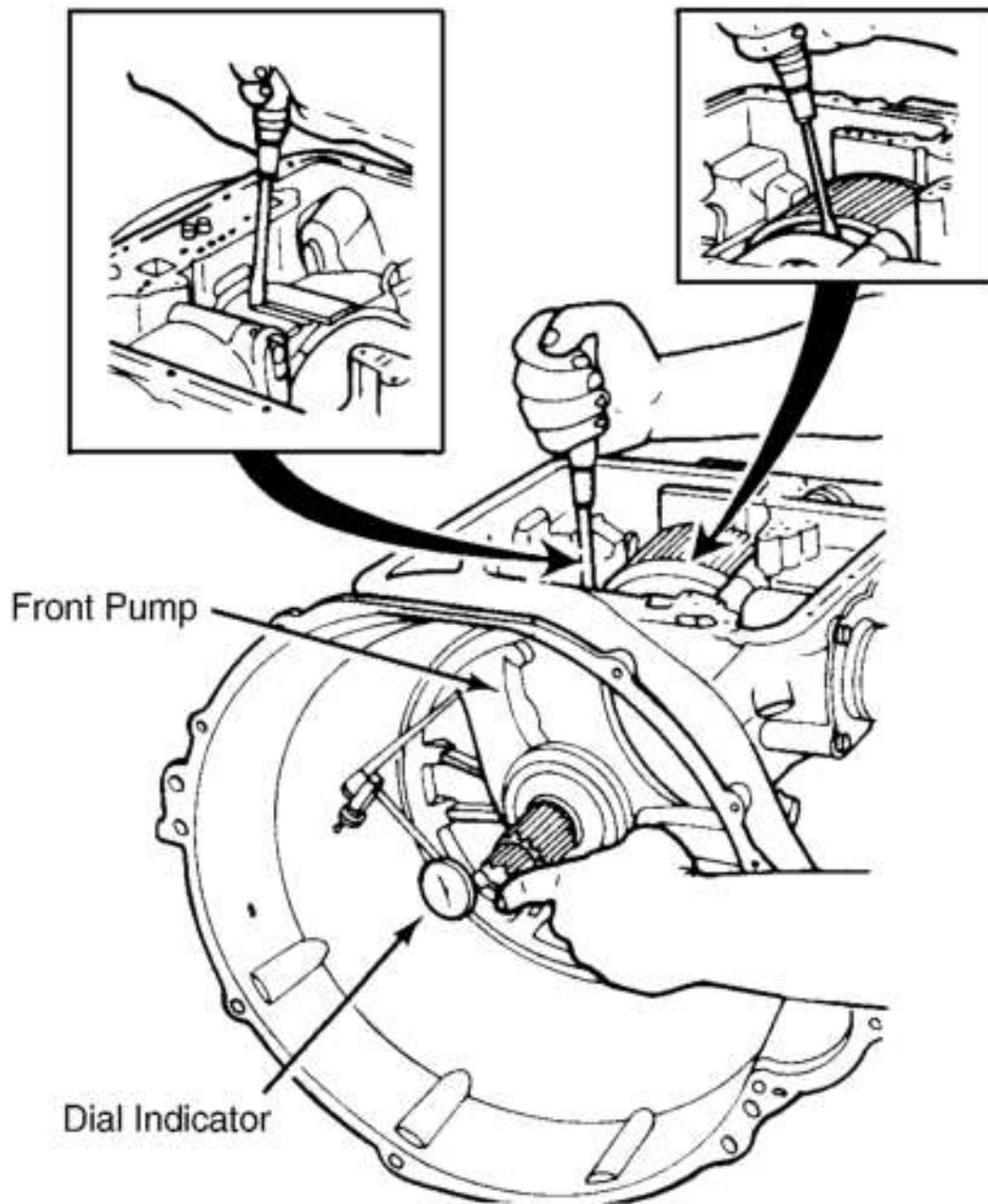


TRANSMISSION DISASSEMBLY

1. With transmission in a holding fixture, remove oil pan and gasket. Remove retaining bolts, and lift valve body assembly from transmission case.
2. Attach a dial indicator to front pump with indicator contact against input shaft. See **Fig. 11**. Install Oil Seal Replacer (T61L-7697-B) in extension housing to center output shaft.
3. Measure transmission end play. Push gear train to rear of case. Press input shaft inward until it bottoms. Zero dial indicator.
4. Push gear train forward. Read and record end play for reassembly reference. Remove tools from transmission.



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Fig. 11: Measuring Transmission End Play
 Courtesy of FORD MOTOR CO.

5. Remove vacuum diaphragm, rod and primary throttle valve from case. Slide input shaft from front pump. Remove front pump retaining bolts, pry gear train forward and remove pump.
6. Loosen band adjustment screw. Remove 2 band struts. Rotate band 90 degrees counterclockwise to align band ends with slot in case. Remove band from reverse-high clutch drum.
7. Remove forward part of gear train from transmission as an assembly. See **Fig. 12**. Remove servo cover retaining bolts, servo cover, piston, spring and gasket from case. Remove large snap ring

securing reverse planet carrier in low-reverse clutch hub.

8. Lift carrier from drum. Remove snap ring securing reverse ring gear and hub on output shaft. Slide assembly from shaft. Rotate low-reverse hub in clockwise direction and remove from case.
9. Remove reverse-high clutch snap ring and withdraw clutch discs, plates and pressure plate from case. See **Fig. 20**. Remove extension housing retaining bolts and vent tube from case.

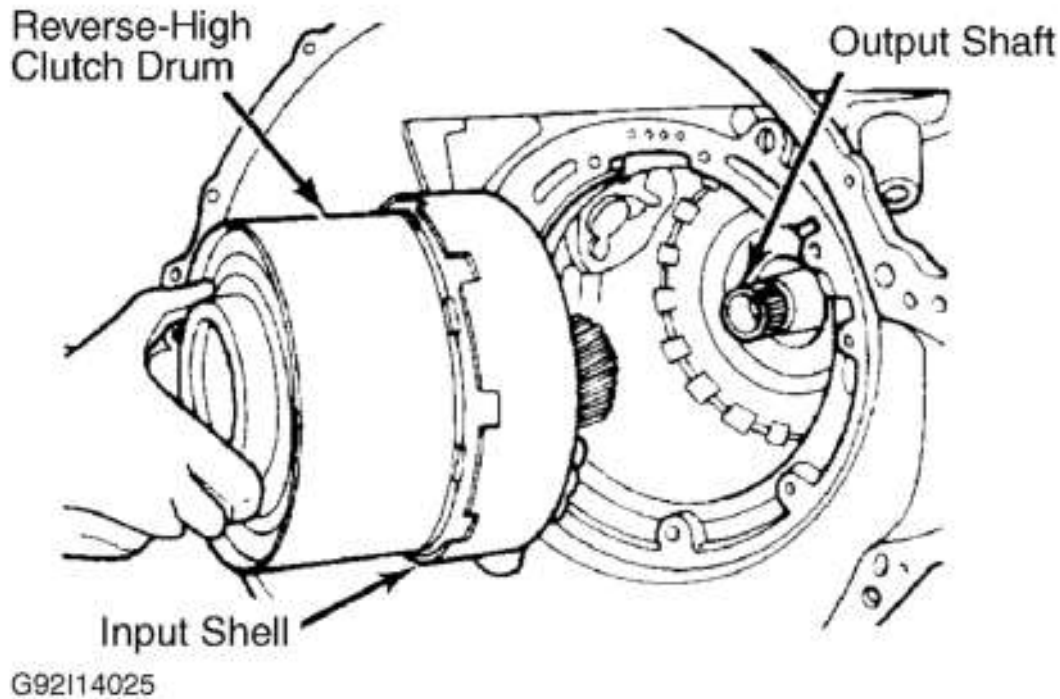


Fig. 12: Removing Reverse-High Clutch Drum
Courtesy of FORD MOTOR CO.

10. Remove extension housing and gasket. Slide output shaft assembly from case. Remove distributor sleeve retaining bolts. Remove sleeve, parking pawl gear and thrust washer.

NOTE: If thrust washer is staked in place, use a sharp chisel to cut off metal from behind thrust washer. Remove any metal particles from case.

11. Compress reverse clutch piston release spring. Remove snap ring. Lift out springs and retainer assembly.
12. Remove one-way clutch inner race retaining bolts from rear of case. Remove inner race. Remove reverse clutch piston by applying air pressure to low-reverse clutch apply passage in case. See **Fig. 8**.