

COMPONENT DISASSEMBLY & REASSEMBLY

NOTE: Clean and inspect all running surfaces and mating surfaces. Coat all moving components in transmission fluid before reassembly.

5TH-REVERSE SELECTOR MECHANISM

Disassembly & Reassembly

1. To disassemble, remove 5th-Reverse gear selector rod. See **Fig. 12** . Remove selector shaft. Remove reverse gear selector lever. Remove selector gate and 5th-Reverse gear selector rod guide sleeve. See **Fig. 13** .
2. To reassemble, install selector shaft. See **Fig. 12** . Install reverse gear selector lever. Install 5th-Reverse gear selector rod guide sleeve. Install selector gate and tighten bolts to specification. See **TORQUE SPECIFICATIONS** . Install 5th-Reverse gear selector rod.

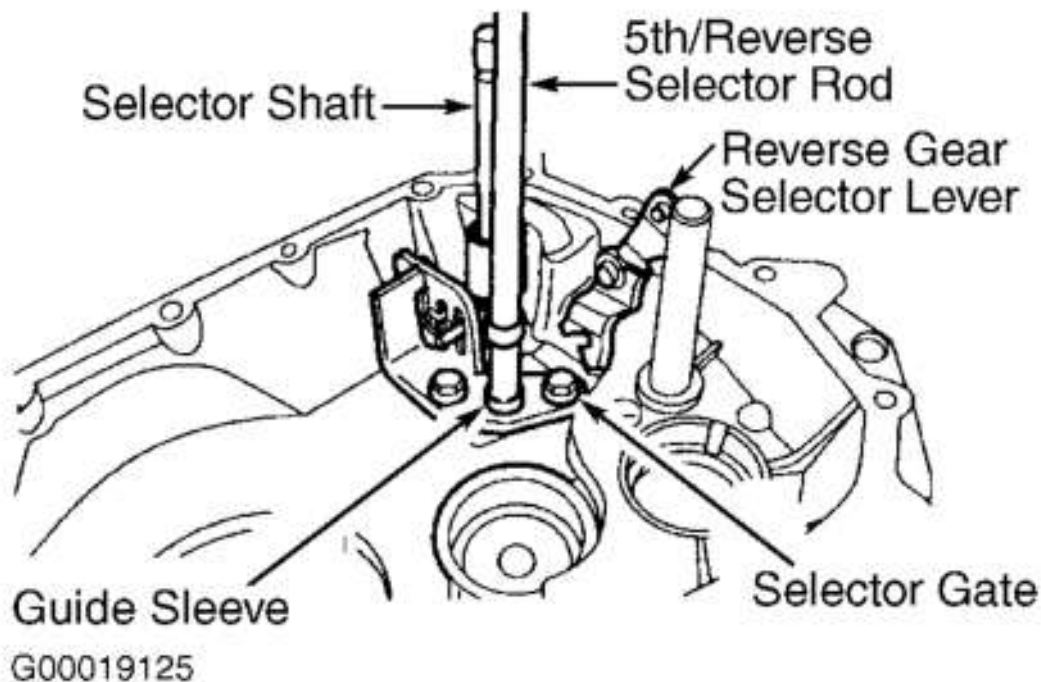


Fig. 12: Removing 5th-Reverse Selector Mechanism
Courtesy of FORD MOTOR CO.

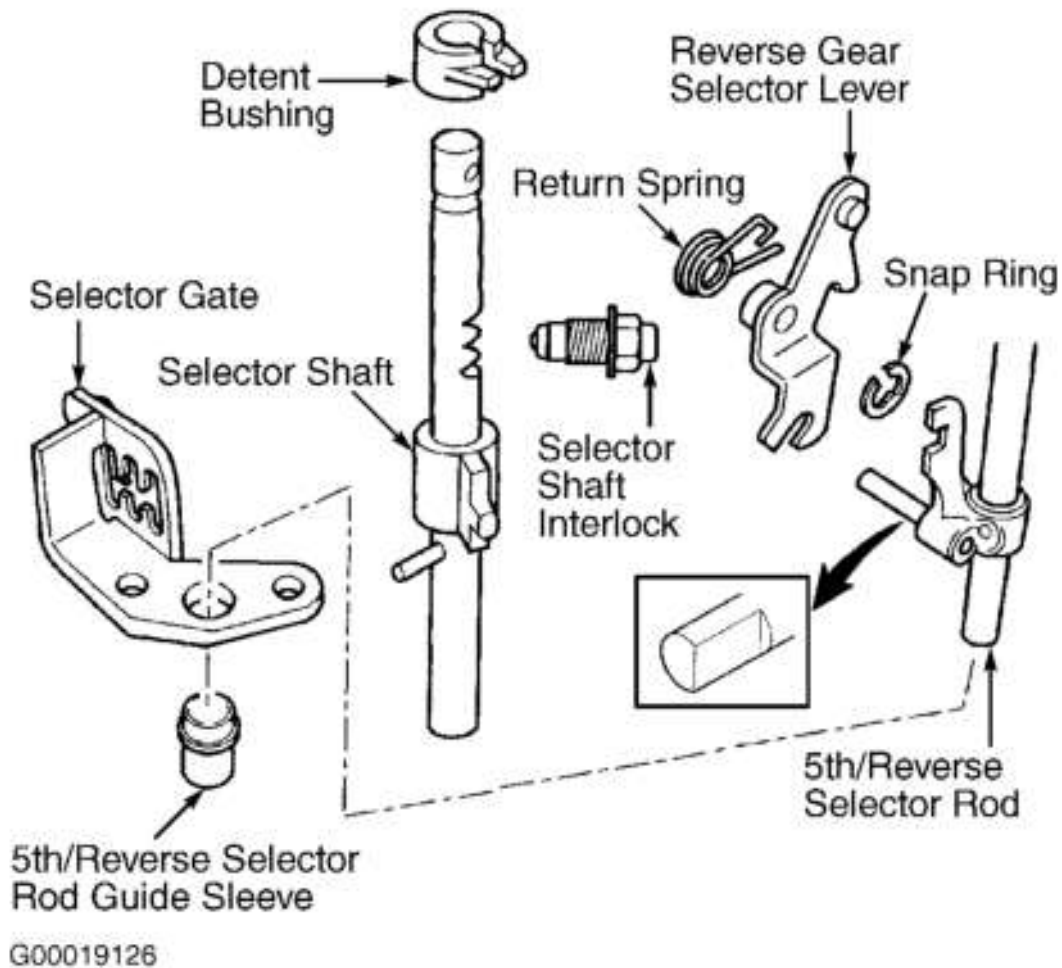


Fig. 13: Exploded View Of 5th-Reverse Selector Mechanism
 Courtesy of FORD MOTOR CO.

INPUT SHAFT

Disassembly & Reassembly

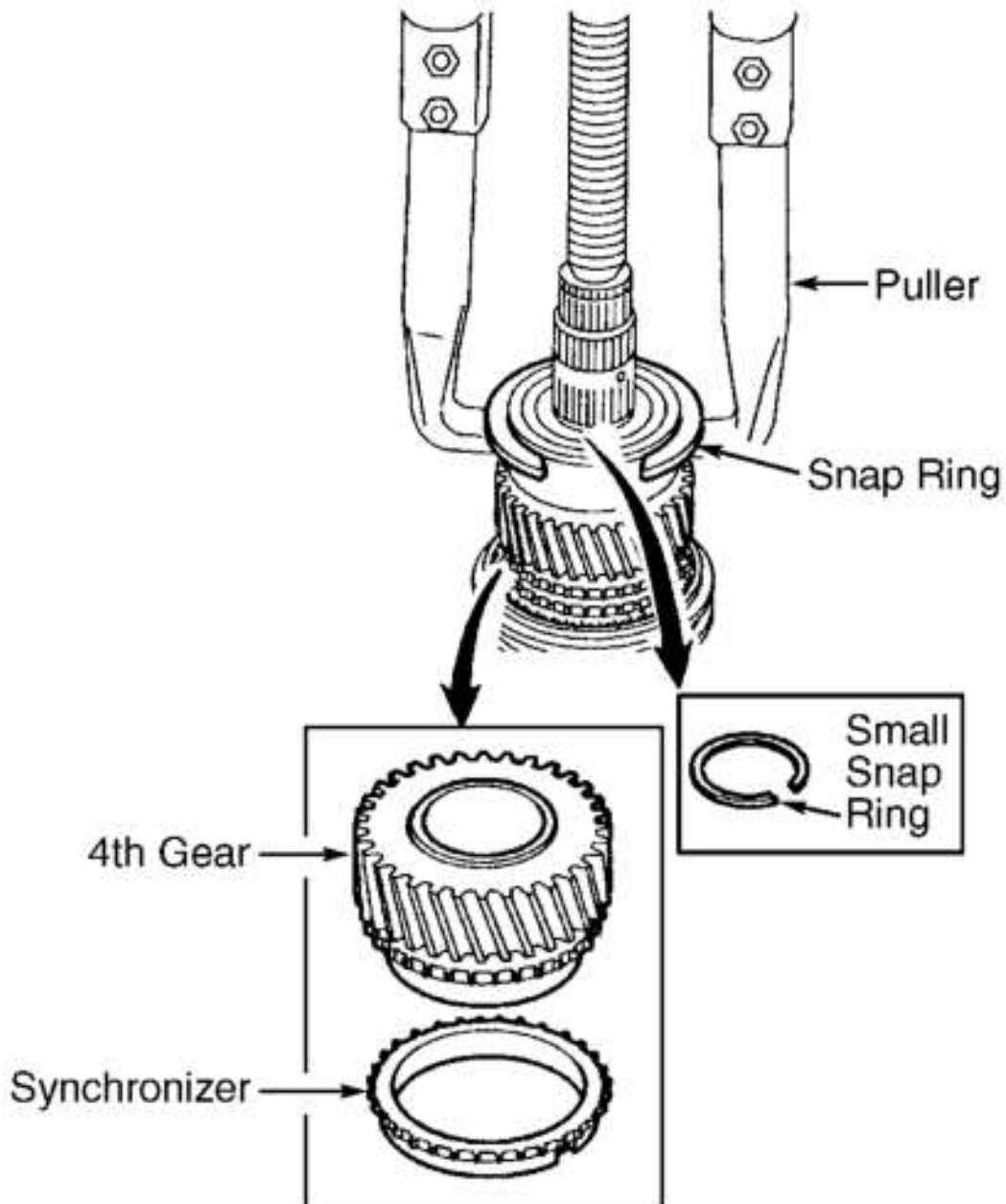
1. To disassemble, install snap ring onto transaxle end of input shaft bearing. Using a puller mounted underneath snap ring, remove bearing. Using a puller, remove bearing from clutch end of input shaft.
2. To reassemble, using a suitable pipe and a press, install bearing on clutch end of input shaft. Using a suitable pipe and a press, install bearing on transaxle end of input shaft, with snap ring groove in bearing facing outward.

OUTPUT SHAFT

Disassembly

1. Remove small snap ring from output shaft. See **Fig. 14** . Remove snap ring from bearing. Using a puller, remove bearing from output shaft. Remove 4th gear and synchronizer ring.

2. Remove 3rd-4th gear synchronizer snap ring. Remove 3rd-4th gear synchronizer unit. Remove 3rd gear and synchronizer ring. See **Fig. 15** . Disassemble 3rd-4th gear synchronizer unit, if necessary. See **Fig. 16** . Remove 2nd gear and synchronizer unit. See **Fig. 17** .
3. Remove 1st-2nd gear synchronizer snap ring. See **Fig. 18** . Remove 1st-2nd gear synchronizer unit and Reverse gear. Remove outer synchronizer ring, synchronizer cone and inner ring. Disassemble synchronizer hub.
4. Remove snap ring. See **Fig. 19** . Using Bearing Remover (205-295) and Collet (307-217), position collet under bearing race and remove race.



G00019128

Fig. 14: Removing Output Shaft Bearing
Courtesy of FORD MOTOR CO.

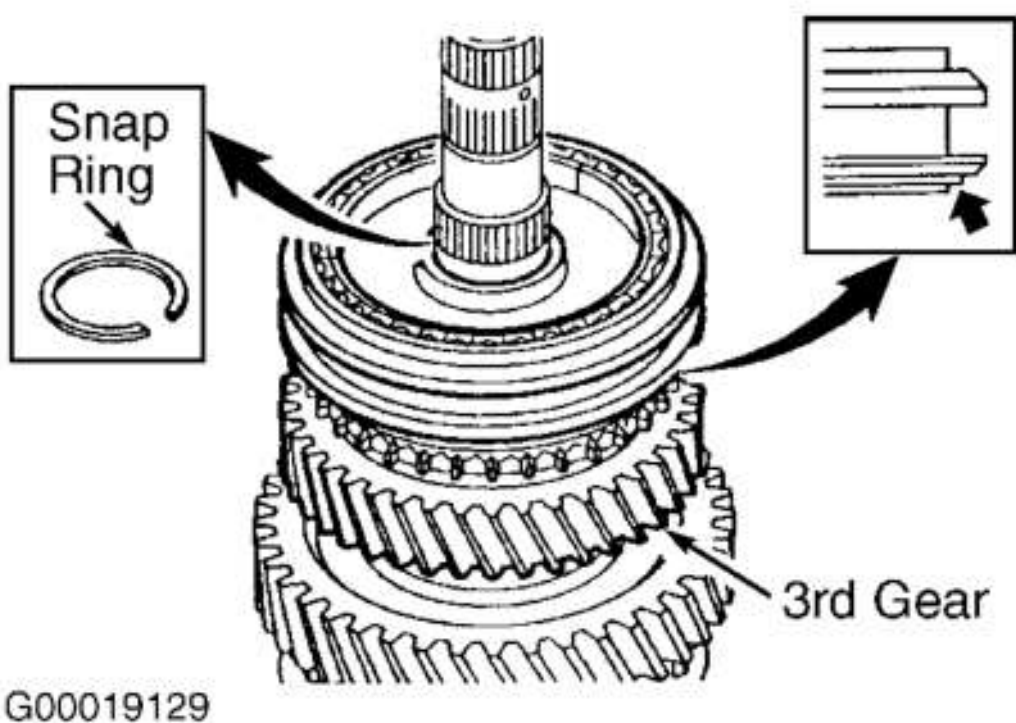


Fig. 15: Removing 3rd Gear & Synchronizer
Courtesy of FORD MOTOR CO.

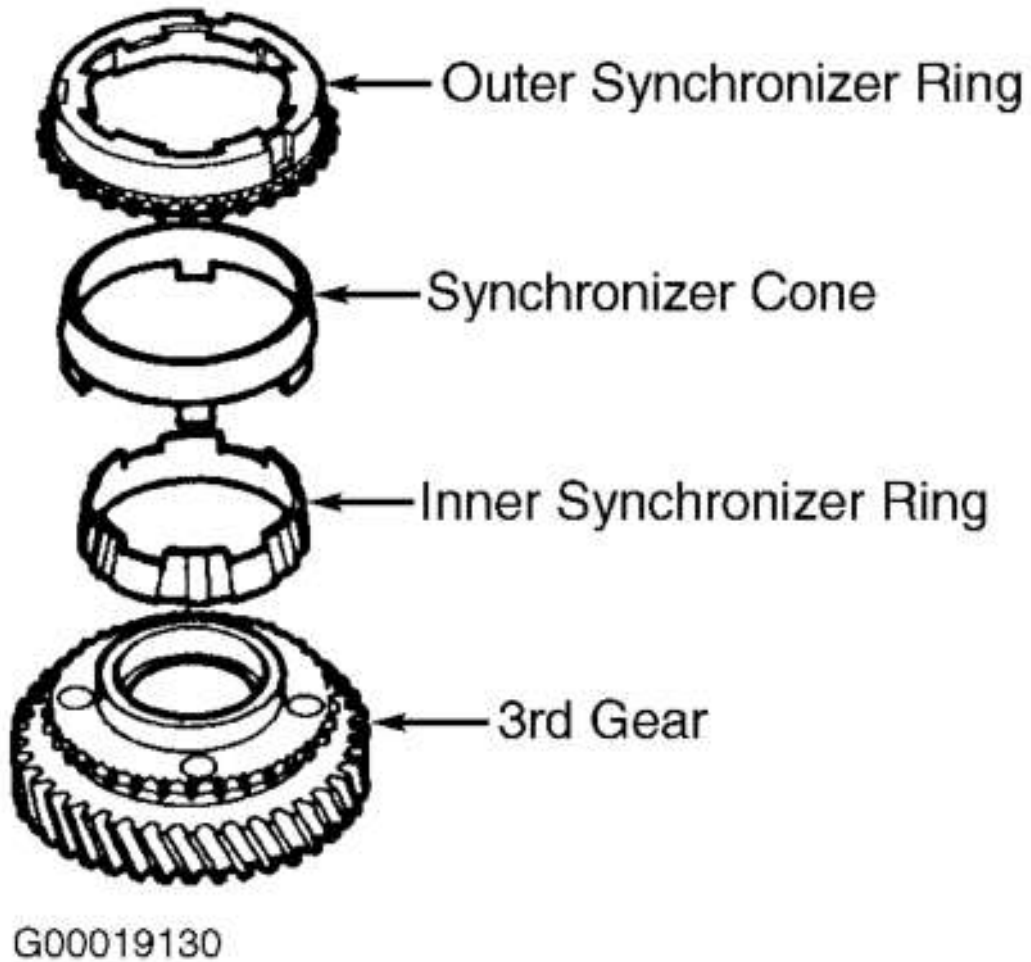
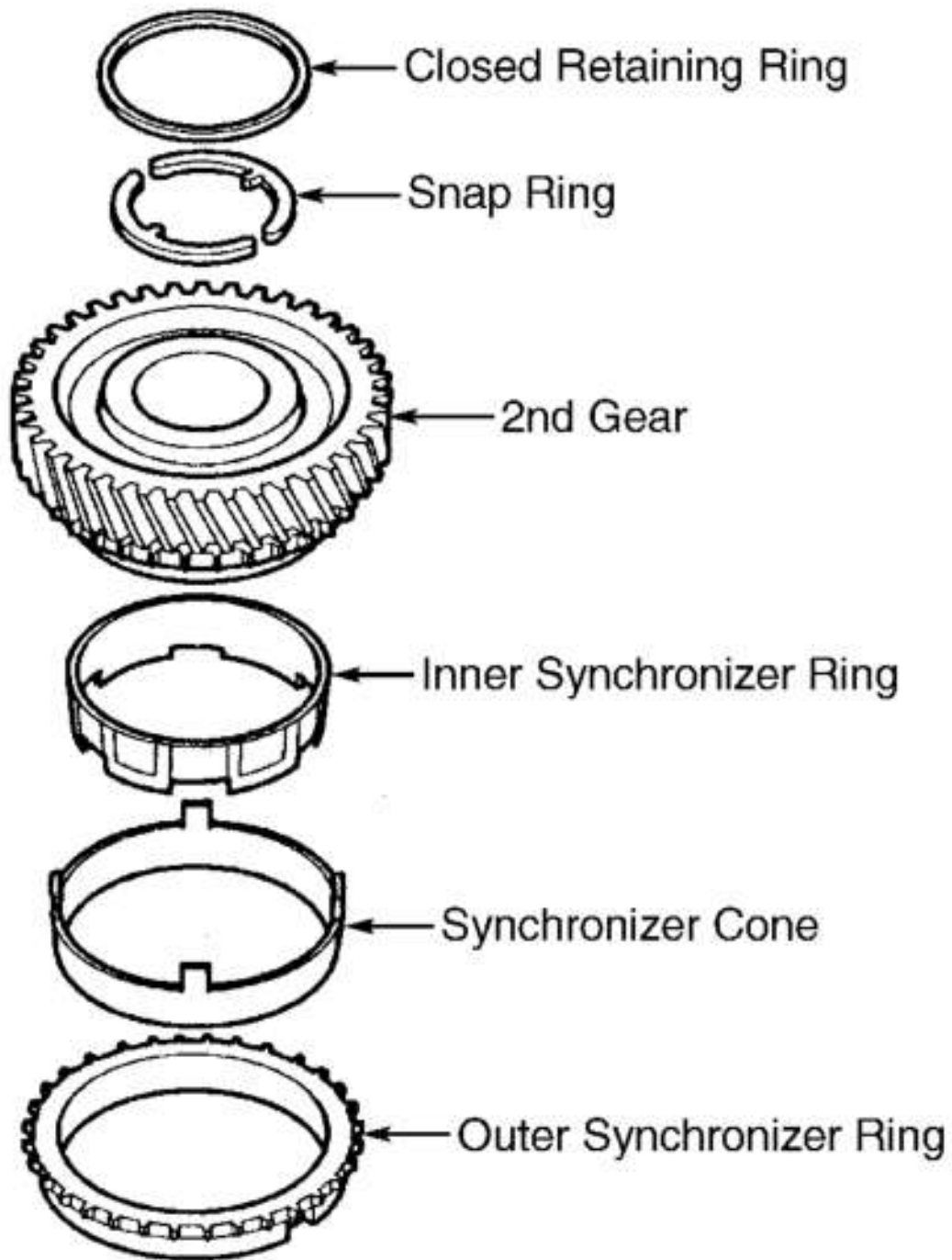
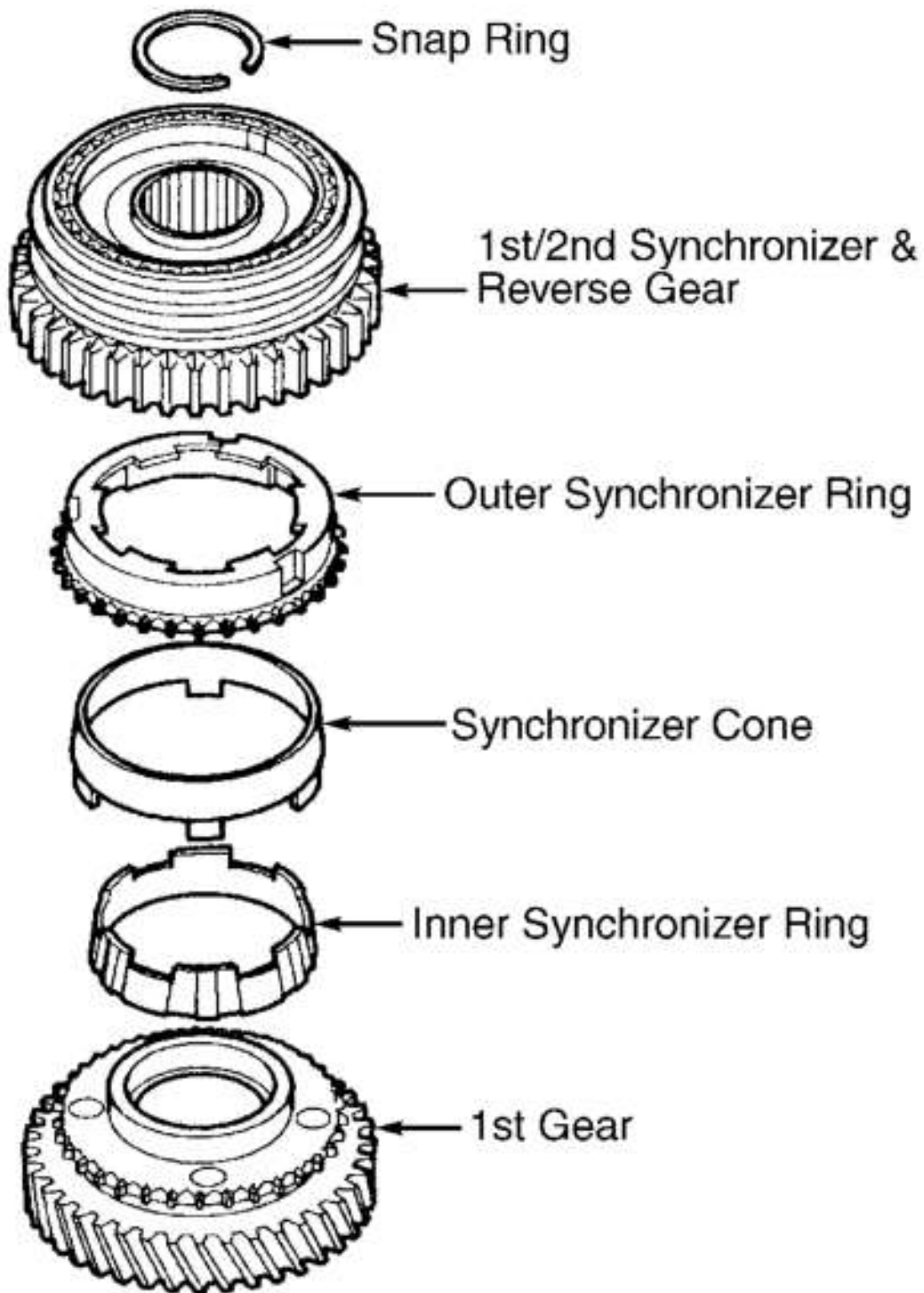


Fig. 16: Exploded View Of 3rd-4th Gear Synchronizer
Courtesy of FORD MOTOR CO.



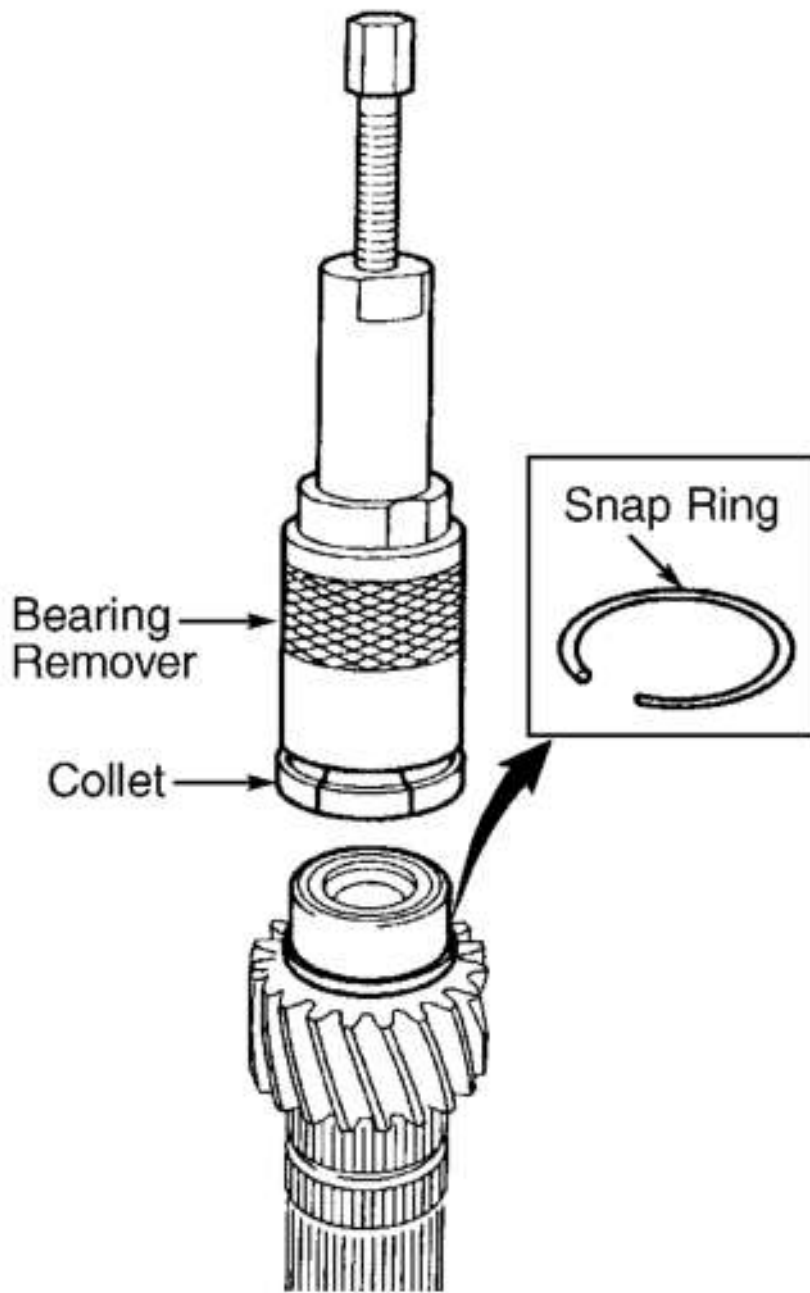
G00019132

Fig. 17: Exploded View Of 2nd Gear & Synchronizer
Courtesy of FORD MOTOR CO.



G00019131

Fig. 18: Exploded View Of 1st-2nd Gear Synchronizer
Courtesy of FORD MOTOR CO.



G00019133

Fig. 19: Removing Output Shaft Bearing Race
Courtesy of FORD MOTOR CO.

Reassembly

1. Evenly heat bearing race to about 80°F (26°C), and install race onto output shaft. Install snap ring. Assemble synchronizers units, if disassembled. Install 1st gear and 1st-2nd gear synchronizer unit with Reverse gear onto output shaft. Install snap ring. See **Fig. 18** .

2. Install 2nd gear and synchronizer unit onto output shaft. Install half-round snap rings and retaining ring. See **Fig. 17** . Install 3rd gear and synchronizer ring. Install 3rd-4th gear synchronizer unit with small collar facing upward. See **Fig. 20** . Install snap ring.
3. Install synchronizer ring and 4th gear. Using a press and suitable installer tube, press bearing onto output shaft. See **Fig. 21** . Install snap ring.

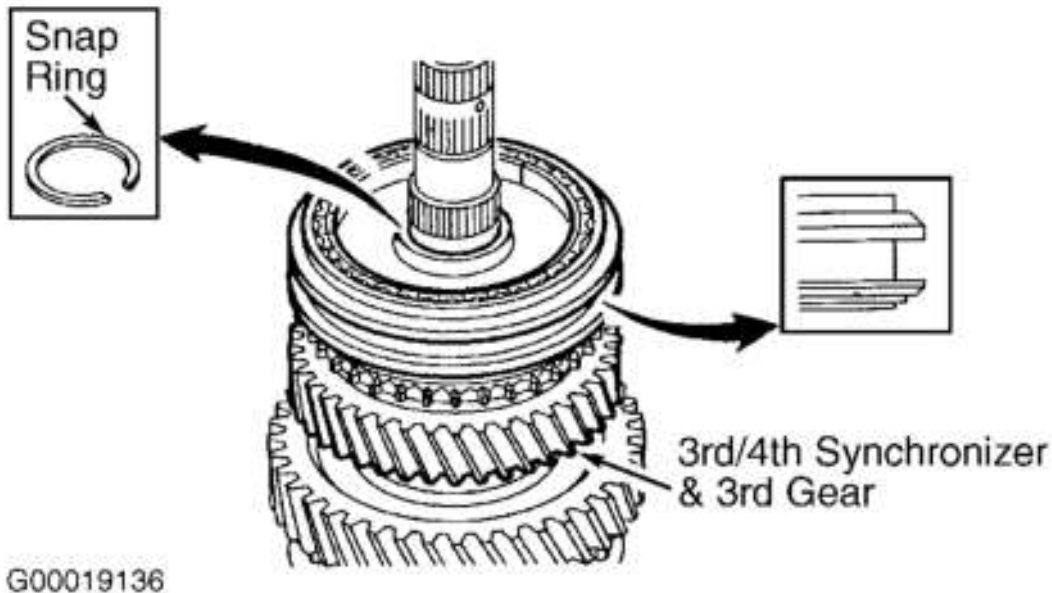
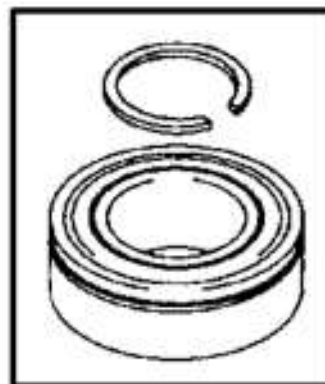
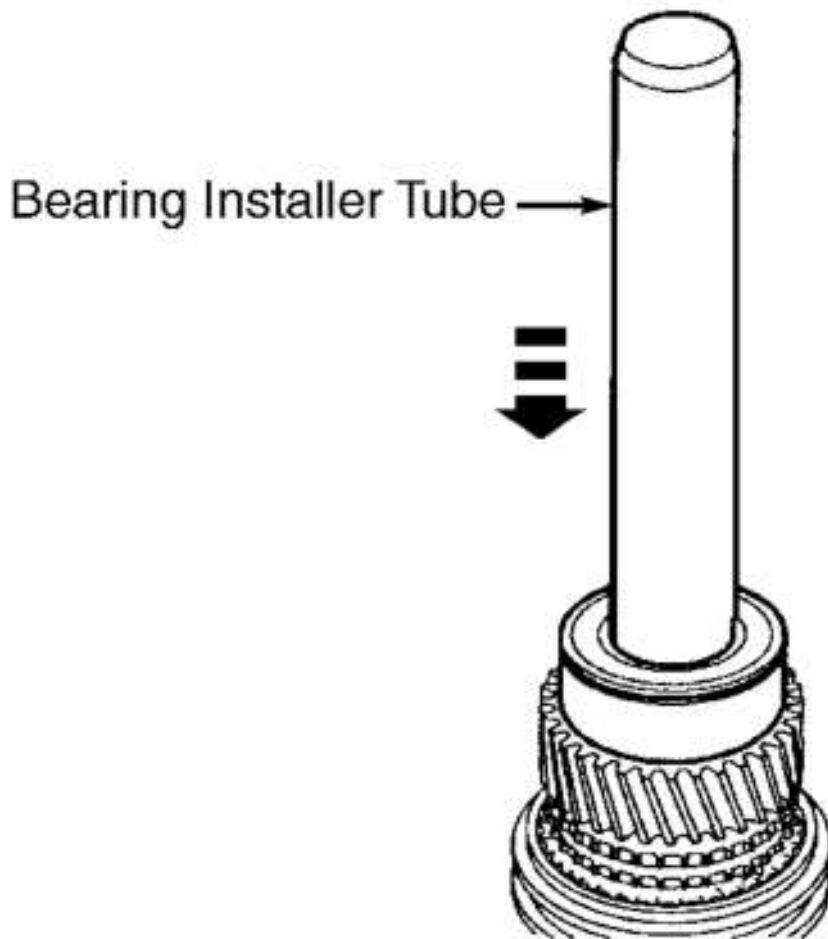


Fig. 20: Installing 3rd-4th Gear Synchronizer
Courtesy of FORD MOTOR CO.



G00019137

Fig. 21: Installing Output Shaft Bearing
Courtesy of FORD MOTOR CO.

DIFFERENTIAL

Disassembly & Reassembly

1. Using appropriate puller, remove bearings from differential carrier. Remove VSS ring. Remove side gears. Remove snap ring and carrier pinion gear shaft. Remove 2 carrier pinion gears and thrust washers. Remove ring gear and discard bolts.
2. To reassemble, use NEW bolts and install ring gear. Tighten bolts evenly to specification. See **TORQUE SPECIFICATIONS** . Slide carrier pinion gears and thrust washers into place, and install carrier pinion gear shaft and snap ring. Install 2 side gears. Install VSS ring. Install differential carrier bearings.