

F-4 - FRONT TRANSMISSION

Range Shift Gear and Related Parts

Separate the front transmission case from the rear transmission case.

Remove the 4WD shaft.

FIG. 8: Remove the snap ring from the shaft end of the drive pinion

Pull off the range shifter.



FIG. 7

FIG. 9: Pull off the range shift gears and the range shift counter gear.

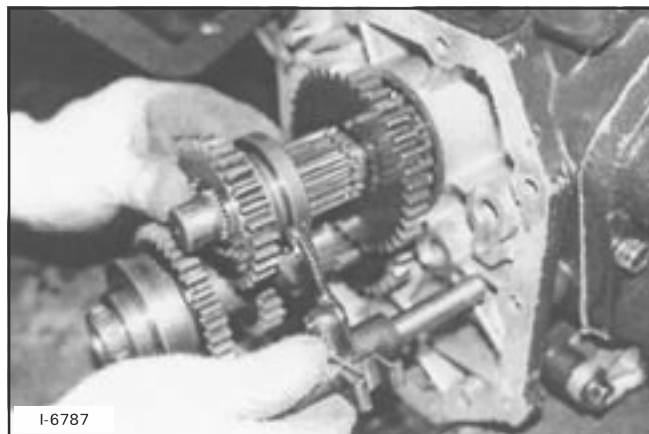


FIG. 8

FIG. 10: Remove the range shift gear and the 4WD gear.



FIG. 10

INSPECTION

Check each gear and shaft for damage, tooth bearing, etc.

Make sure that all radial roller bearings turn smoothly and are free from flaws.

Make sure that the oil lips and lip contact surfaces on shafts are free from flaws.

PRECAUTIONS FOR REASSEMBLY

When assembling, pay attention to the installing direction of the gears, collars, etc. Never forget to install bearings and collars.

Assemble the range gears and related parts following the next instructions.

FIG. 11: Install the 4WD gear and the range shift gear on drive pinion.

NOTE: The 4WD gear should be installed with the recessed side facing the bearing.

Sub-assemble the range shift gears and range shift counter gear and then the sub-assembled range shift gears into the rear transmission case.

Install the shifter.

Install the 4WD shaft.

If the PTO shaft joint coupling inside the rear transmission case fell during disassembly, reinstall it on the PTO shaft ahead of time.

Install the 4WD shift lever and the range shift lever.

Assemble the main gears and related parts following the next instructions.

Install the reverse gear.

Install the main counter gear on the drive pinion.

Sub-assemble the main shift gears and shifter. Then insert the sub-assembled main shift gears into the front transmission case.

Install the input metal (support) along with the PTO shaft.



FIG. 11