

FOUR-SPEED MANUAL (MUNCIE) TRANSMISSION

GENERAL DESCRIPTION

The Muncie four-speed fully synchronized (all forward gears) transmission, incorporating helical gears throughout, is available only on special order and is engineered to operate on all V-8 engine Firebird models.

The gear ratios of this transmission are 2.52 in first, 1.88 in second, 1.46 in third, 1.00 in fourth and 2.59 in Reverse gears. The transmission is identified by the two-letter yellow paint code FF, found on the top of the case.

Gearshifting is manual, through floor mounted gearshift controls only. The shift lever assembly is attached to the partial frame rear crossmember, through an L shaped bracket, for improved isolation from engine movement.

LINKAGE ADJUSTMENT - FLOOR SHIFT

1. Move selector lever to neutral position.

NOTE: Align shift levers in neutral position by inserting a locating pin (5/16" dia.) into notch of lever and bracket assembly.

2. Loosen swivel jam nuts (Fig. 7C-1) on transmission gearshift control First and Second, Third and Fourth and Reverse rods.

3. Set shifter levers (first and second, third and fourth and reverse) on transmission in neutral.

4. Make necessary adjustments to align shift control rods and transmission shifter levers in neutral and tighten swivel jam nuts to 25 lb. ft. torque.

5. Remove locating pin and check shift for proper operation.

DESIGN, OPERATION, SERVICE AND REPAIRS

Design, operation and service procedures for the Firebird four-speed Muncie transmission assembly are the same as shown in Section 7C of the 1967 Pontiac Service Manual.

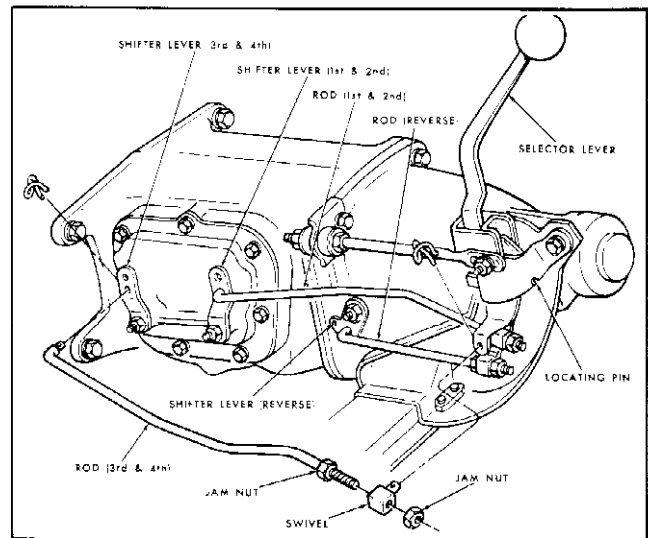


Fig. 7C-1 Gearshift Controls - Floor Shift