

## Reverse Fork

### Shift Shaft Clearance

1. Check clearance between fifth/reverse shift shaft pin and reverse shift fork.

#### PIN-TO-FORK CLEARANCE

Standard (New): 0.05—0.35 mm  
(0.002—0.014 in.)

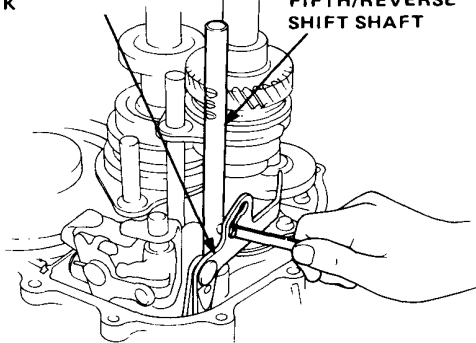
Service Limit: 0.5 mm (0.02 in.)

2. If clearance is beyond limit, measure width of slot in reverse shift fork.

Standard (New): 7.05—7.25 mm  
(0.278—0.285 in.)

REVERSE SHIFT  
FORK

FIFTH/REVERSE  
SHIFT SHAFT



### Gear Clearance

1. Check reverse idler gear-to-shift fork clearance.

#### GEAR-TO-FORK CLEARANCE

Standard (New): 0.2—1.0 mm (0.008—0.04 in.)

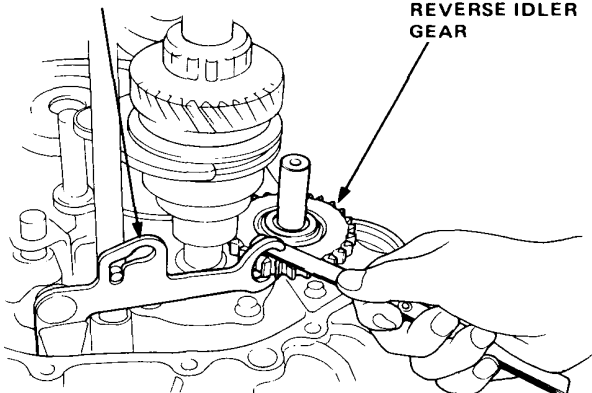
Service Limit: 1.7 mm (0.07 in.)

2. Pull out the reverse idler shaft and remove gear. If gear-to fork clearance is beyond limit, measure gap between ends of shift fork fingers.

Standard (New): 11.8—12.1 mm (0.46—0.48 in.)

REVERSE SHIFT FORK

REVERSE IDLER  
GEAR

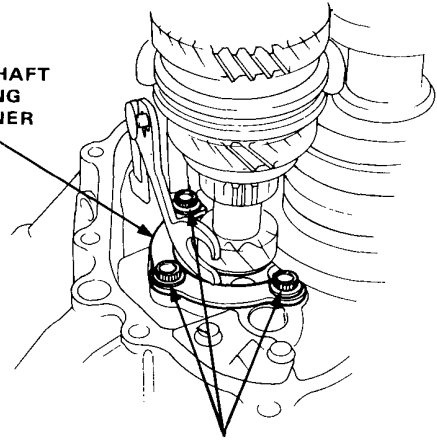


## Countershaft/Mainshaft

### Removal

1. Shift transmission into neutral.
2. Remove the mainshaft bearing retainer plate.

MAINSHAFT  
BEARING  
RETAINER

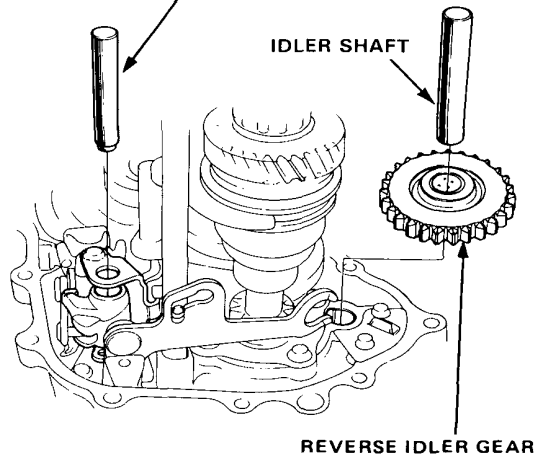


8 mm SPECIAL BOLTS

3. Pull out the shift guide shaft.
4. Pull out reverse idler shaft and remove gear.

SHIFT GUIDE SHAFT

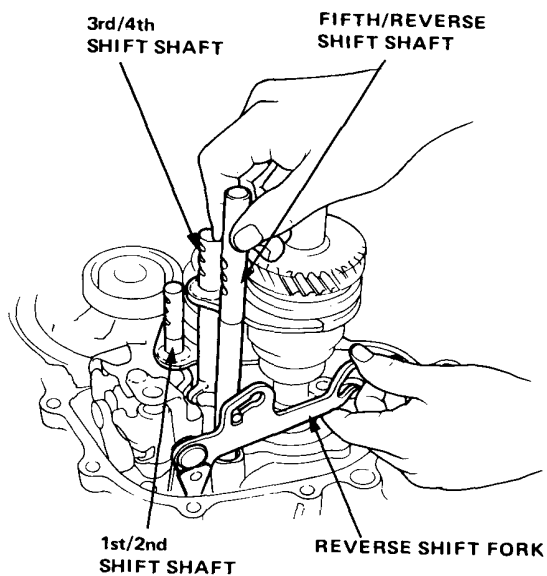
IDLER SHAFT



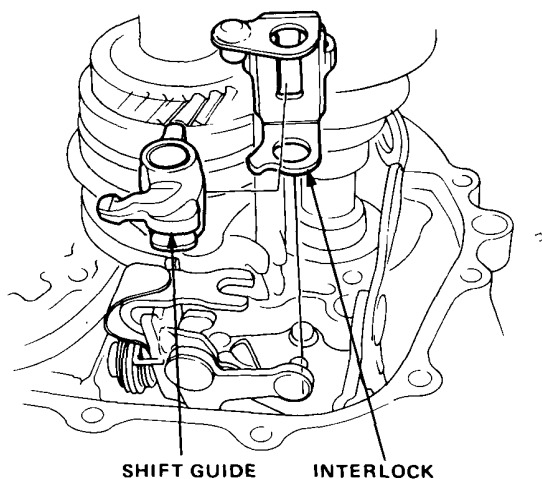
REVERSE IDLER GEAR



5. Pull the 3rd/4th and 1st/2nd shift shafts up, to shift into fourth and second.
6. Remove the 5th/reverse shift shaft by pulling it up while lifting the reverse shift fork.



7. Tilt interlock and shift guide to the side, then lift them out.



8. Remove countershaft and mainshaft as an assembly, with 1st/2nd & 3rd/4th shift shafts.

