MT02H–01

D00875

INSPECTION
1. INSPECT COUNTER 5TH GEAR RADIAL CLEARANCE
(a) Install the spacer, counter 5th gear and needle roller bearing to the counter gear.
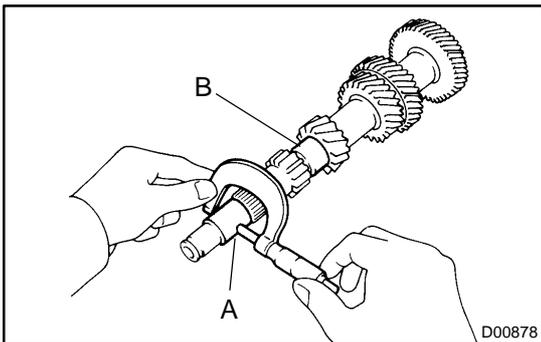(b) Using a dial indicator, measure the counter 5th gear radial clearance.
   Standard clearance:
   0.009–0.060 mm (0.0004–0.0024 in.)
   Maximum clearance:
   0.150 mm (0.0059 in.)
If the clearance exceeds the maximum, replace the counter gear, needle roller bearing or counter 5th gear.

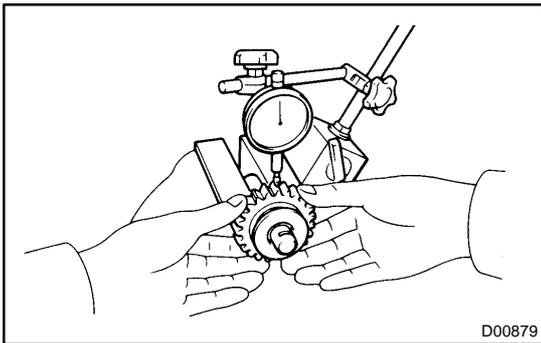D00878

2. INSPECT COUNTER GEAR
Using a micrometer, measure the outer diameter of the counter shaft journal.
   Minimum diameter:
   Part A: 26.975 mm (1.0620 in.)
   Part B: 29.950 mm (1.1791 in.)
If the outer race is less than the minimum, replace the counter gear.

D00879

3. INSPECT REVERSE IDLER GEAR RADIAL CLEARANCE
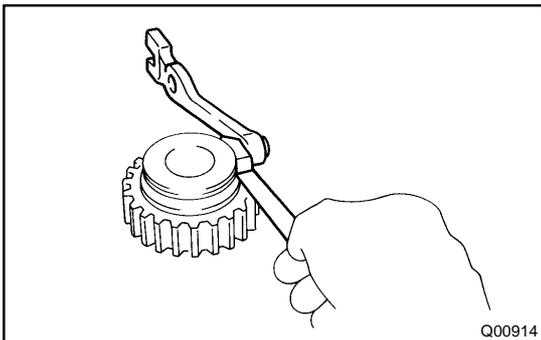Using a dial indicator, measure the reverse idler gear radial clearance.
   Standard clearance:
   0.041–0.074 mm (0.0016–0.0029 in.)
   Maximum clearance:
   0.194 mm (0.0076 in.)
If the clearance exceeds the maximum, replace the gear or shaft.

Q00914

4. INSPECT REVERSE IDLER GEAR AND SHIFT ARM SHOE CLEARANCE
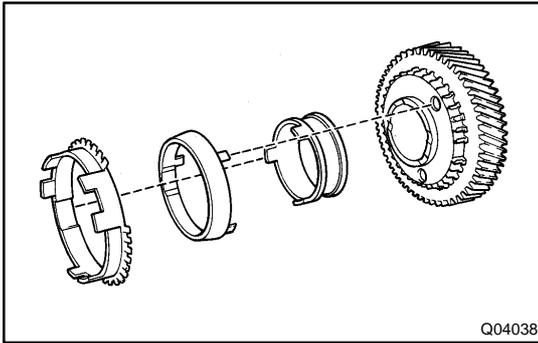Using a feeler gauge, measure the clearance between the reverse idler gear and shift arm shoe.
   Standard clearance:
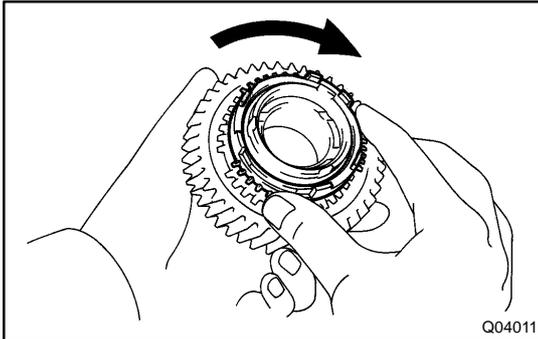   **0.20–0.41 mm (0.0079–0.0161 in.)**
   Maximum clearance:
   0.90 mm (0.0354 in.)
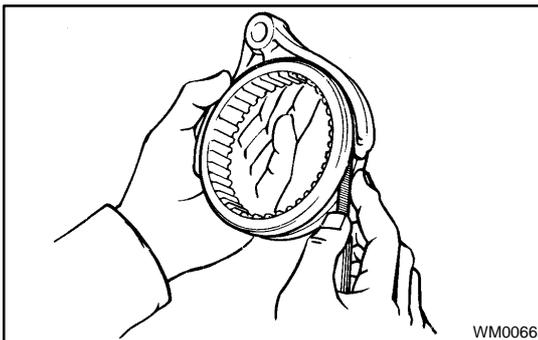If the clearance exceeds the maximum, replace the shift arm shoe or reverse idler gear.

Q04038

5. INSPECT 5TH GEAR SYNCHRONIZER RING

(a) Check for wear or damage.

(b) Install the synchronizer pull ring, cone ring and outer ring to the 5th gear.

Q04011

(c) Check the braking effect of the synchronizer ring. Turn the synchronizer ring in one direction while pushing it to the gear cone. Check that the ring locks.

If it does not lock, replace the synchronizer ring.

WM0066

6. INSPECT SHIFT FORK AND HUB SLEEVE CLEAR-ANCE

Using a feeler gauge, measure the clearance between the hub sleeves and shift forks.

Maximum clearance: 1.0 mm (0.039 in.)

If the clearance exceeds the maximum, replace the shift fork or hub sleeve.