

## INSPECTION

### 1. INSPECT COUNTER 5TH GEAR RADIAL CLEARANCE

- Install the spacer, counter 5th gear and needle roller bearing to the counter gear.
- Using a dial indicator, measure the counter 5th gear radial clearance.

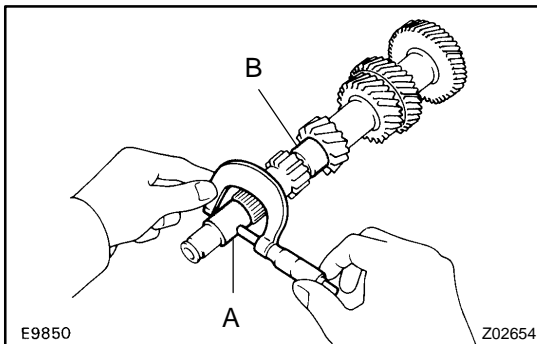
**Standard clearance:**

**0.009 - 0.060 mm (0.0004 - 0.0024 in.)**

**Maximum clearance:**

**0.060 mm (0.0024 in.)**

If the clearance exceeds the maximum, replace the counter gear, needle roller bearing or counter 5th gear.



### 2. INSPECT COUNTER GEAR

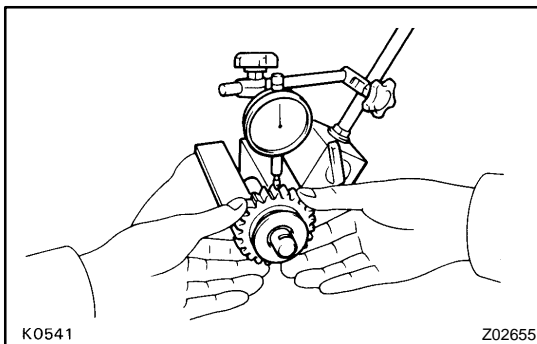
Using a micrometer, measure the outer diameter of the counter shaft journal.

**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.



### 3. INSPECT REVERSE IDLER GEAR RADIAL CLEARANCE

Using a dial indicator, measure the reverse idler gear radial clearance.

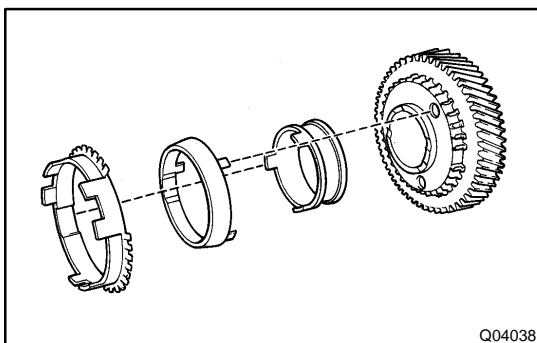
**Standard clearance:**

**0.041 - 0.074 mm (0.0016 - 0.0029 in.)**

**Maximum clearance:**

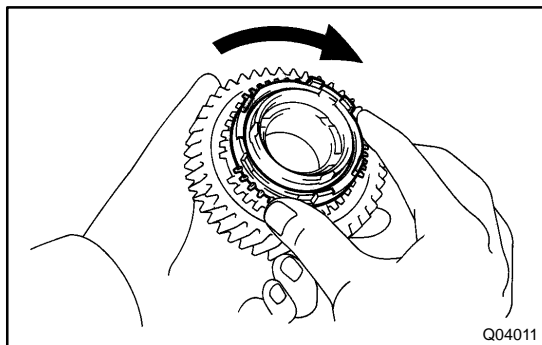
**0.074 mm (0.0029 in.)**

If the clearance exceeds the maximum, replace the gear or shaft.

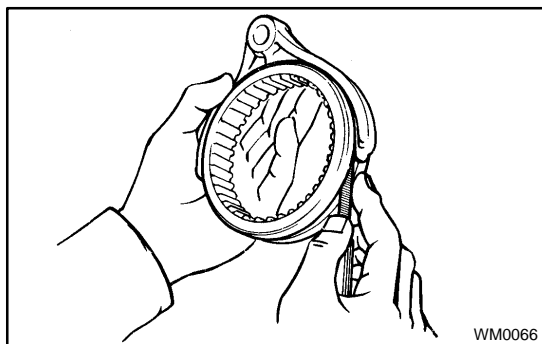


### 4. INSPECT 5TH GEAR SYNCHRONIZER RING

- Check for wear or damage.
- Install the synchronizer pull ring, cone ring and outer ring to the 5th gear.



- (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.



#### 5. INSPECT SHIFT FORK AND HUB SLEEVE CLEARANCE

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

**Maximum clearance: 0.84 mm (0.0331 in.)**

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