

# 5TH/REVERSE GEAR AND HOUSING PARTS INSPECTION

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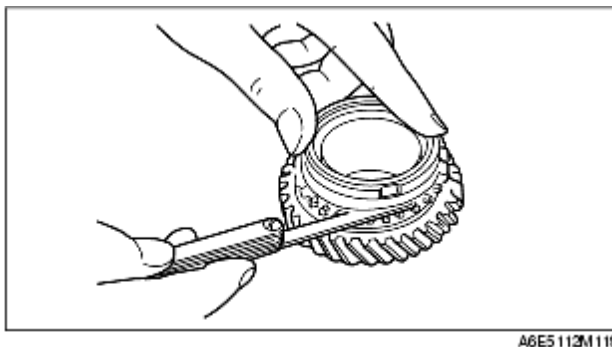
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## 5th and Reverse Gear Inspection

1. Inspect the synchronizer cones for wear.
  - If there is any malfunction, replace parts as necessary.
2. Inspect the gear teeth for damage, wear, and cracks.
  - If there is any malfunction, replace parts as necessary.
3. Inspect the synchronizer ring matching teeth for damage and wear.
  - If there is any malfunction, replace the synchronizer ring.

## Synchronizer Ring Inspection

1. Inspect the synchronizer ring teeth for damage, wear, and cracks.
  - If there is any malfunction, replace parts as necessary.
2. Inspect the tapered surface for wear and cracks.
  - If there is any malfunction, replace parts as necessary.
3. Measure the clearance between the synchronizer ring and the flank surface of the gear.



- If it is less than the minimum specification, replace the synchronizer ring.

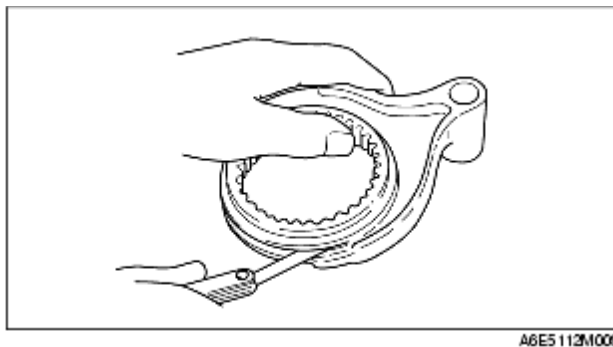
### Note

- Set the synchronizer ring squarely in the gear and measure around the circumference.

**Standard clearance**  
**1.50 mm {0.059 in}**  
**Minimum clearance**  
**0.80 mm {0.031 in}**

## Clutch Hub Component Inspection

1. Inspect the clutch hub sleeve and hub operation.
  - If there is malfunction, replace parts as necessary.
2. Inspect the gear teeth for damage, wear, and cracks.
  - If there is malfunction, replace parts as necessary.
3. Inspect the synchronizer keys for damage, wear, and cracks.
  - If there is malfunction, replace parts as necessary.
4. Measure the clearance between the hub sleeve and shift fork.

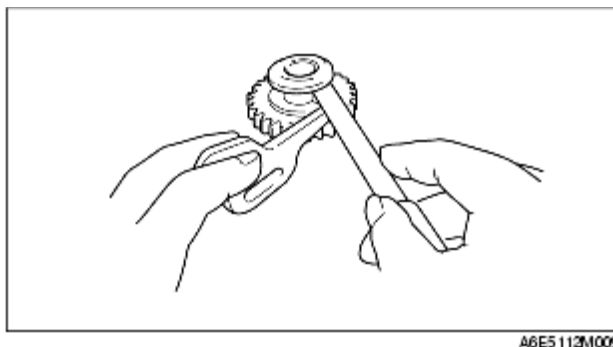


- If it exceeds the maximum specification, replace the hub sleeve and shift fork as a set.

**Standard clearance**  
**0.10-0.36 mm {0.004-0.014 in}**  
**Maximum clearance**  
**0.86 mm {0.034 in}**

## Reverse Idle Gear and Reverse Lever Inspection

1. Inspect the gear teeth for damage, wear, and cracks.
  - If there is any malfunction, replace the reverse idle gear.
2. Measure the clearance between the reverse idle gear bushing and the reverse lever.



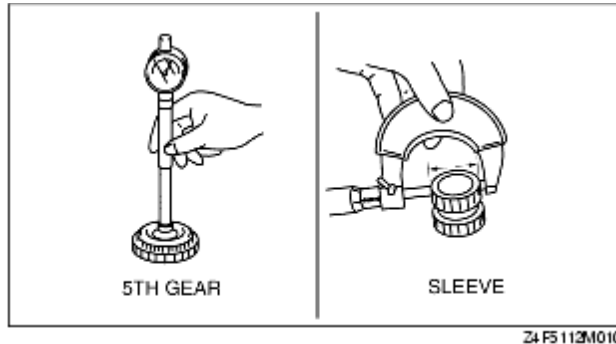
- If it exceeds the maximum specification, replace as necessary.

**Standard clearance**

**0.10-0.35 mm {0.004-0.013 in}**  
**Maximum clearance**  
**0.85 mm {0.033 in}**

## 5th Gear and Sleeve Inspection

1. Measure the clearance between the 5th gear and the sleeve.



- If not as specified, replace parts as necessary.

**5th gear inner diameter**  
**34.000-34.025 mm {1.3386-1.3395 in}**  
**Sleeve outer diameter**  
**33.945-33.970 mm {1.3365-1.3373 in}**  
**Clearance**  
**0.030-0.080 mm {0.0012-0.0031 in}**