

PRIMARY SHAFT COMPONENTS INSPECTION

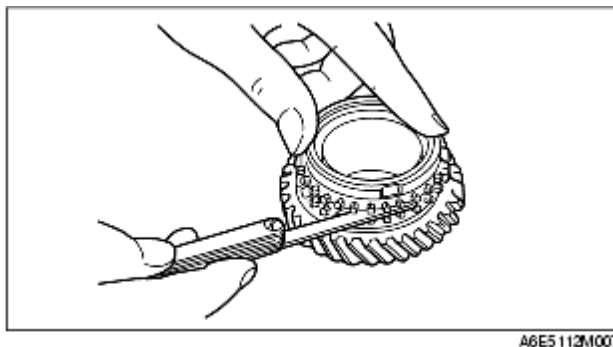
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4th Gear, 3rd Gear Inspection

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.

4th Synchronizer Ring, 3rd 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.

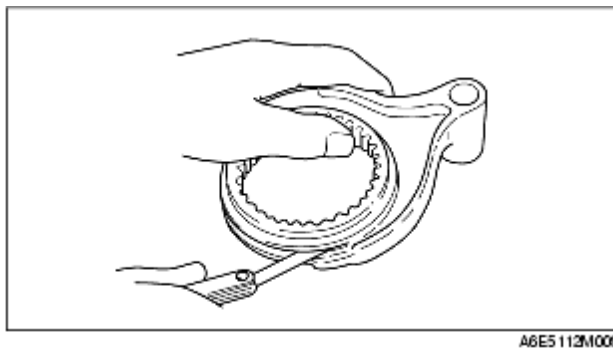
Note

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

Standard clearance
1.12-1.88 mm {0.044-0.074 in}
Minimum clearance
0.80 mm {0.031 in}

3rd/4th Clutch Hub Component Inspection

1. Inspect the clutch hub sleeve and hub operation.
 - 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 keys for damage, wear, and cracks.
 - If there is any malfunction, replace parts as necessary.
4. Measure the clearance between the hub sleeve and shift forks.



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

Standard clearance
0.20-0.50 mm {0.008-0.020 in}
Maximum clearance
1.00 mm {0.039 in}

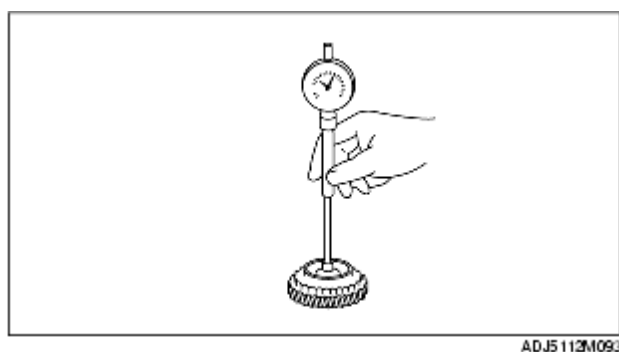
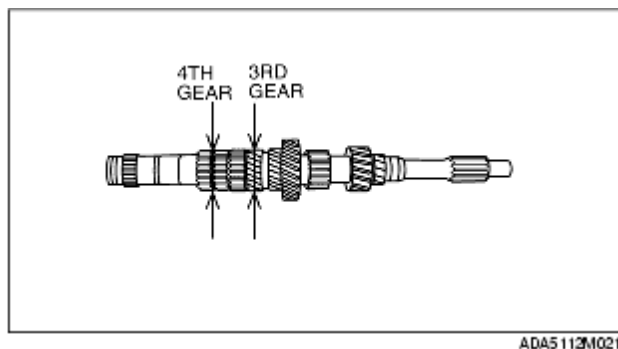
Primary Shaft Gear Inspection

1. Inspect the gear contact surface for damage and wear.
 - If there is any malfunction, replace the primary shaft.
2. Inspect the splines for damage and wear.
 - If there is any malfunction, replace the primary shaft.
3. Inspect the gear teeth for damage, wear, and cracks.
 - If there is any malfunction, replace the primary shaft.
4. Inspect the oil passage for clogging.
 - If there is any malfunction, replace the primary shaft.
5. Measure the shaft gear runout.

- If it exceeds the maximum specification, replace the primary shaft.

Maximum runout
0.050 mm {0.0020 in}

6. Measure the clearance between the shaft gears and the gears.



- If not within the specification, replace parts as necessary.

Gear	Shaft (Outer dia.)	Gear (Inner dia.)	Clearance
3rd	35.15-35.17 {1.384-1.385}	35.21-35.23 {1.386-1.387}	0.040-0.080 {0.0016-0.0031}
4th	31.95-31.97 {1.258-1.259}	32.01-31.03 {1.260-1.261}	