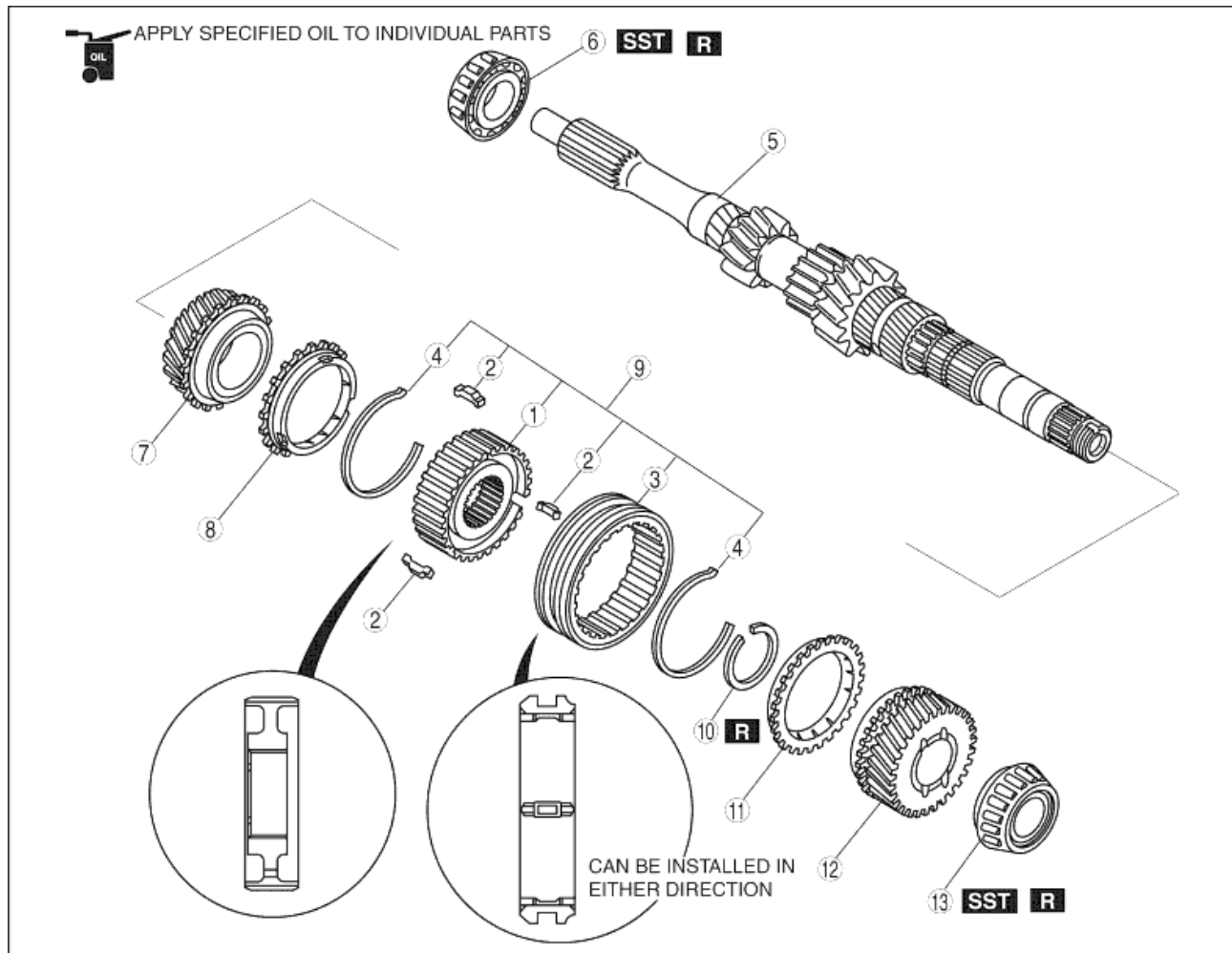


PRIMARY SHAFT COMPONENTS ASSEMBLY

A6E511217201M04

1. Assemble in the order shown in the figure.



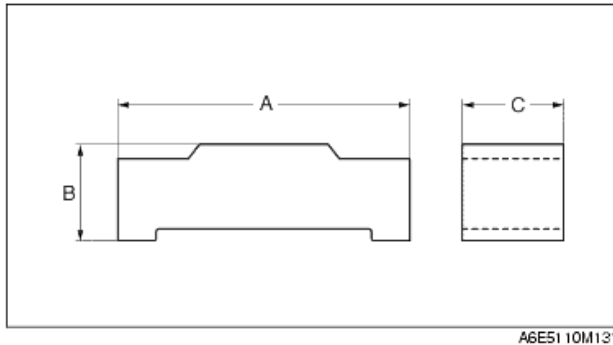
Z4F5112M031

1	3rd/4th clutch hub (See 3rd/4th Clutch Hub Assembly Note)
2	Synchronizer keys
3	3rd/4th clutch hub sleeve
4	Synchronizer key springs
5	Primary shaft gear
6	Bearing (primary shaft end) (See Bearing (Primary Shaft End) Assembly Note)
7	3rd gear (See 3rd Gear, 3rd Synchronizer Ring, and 3rd/4th Clutch Hub Component Assembly Note)
8	3rd synchronizer ring (See 3rd Gear, 3rd Synchronizer Ring, and 3rd/4th Clutch Hub Component Assembly Note)
9	3rd/4th clutch hub component (See 3rd Gear, 3rd Synchronizer Ring, and 3rd/4th Clutch Hub Component Assembly Note)
10	Retaining ring

11	4th synchronizer ring (See 4th Synchronizer Ring, 4th Gear, and Bearing (4th Gear End) Assembly Note)
12	4th gear (See 4th Synchronizer Ring, 4th Gear, and Bearing (4th Gear End) Assembly Note)
13	Bearing (4th gear end) (See 4th Synchronizer Ring, 4th Gear, and Bearing (4th Gear End) Assembly Note)

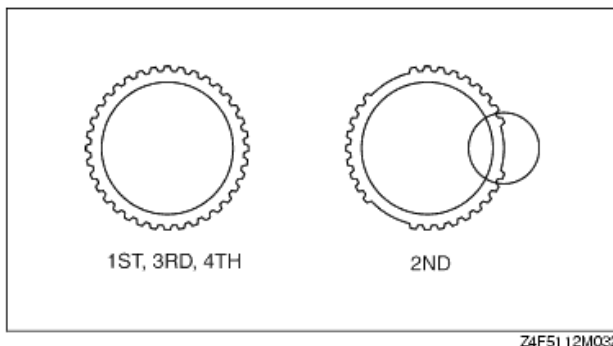
3rd/4th Clutch Hub Assembly Note

1. Install the synchronizer key springs in the clutch hub with the hooks in the grooves to hold the three synchronizer key in place.



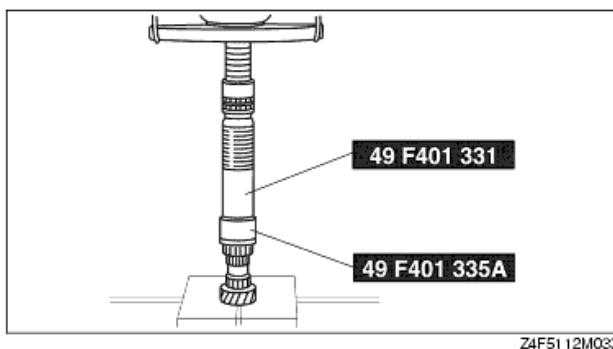
Synchronizer key size
A: 17.0 mm {0.669 in}
B: 4.3 mm {0.17 in}
C: 5.0 mm {0.20 in}

2. Align the synchronizer ring grooves with the synchronizer key during assembly.



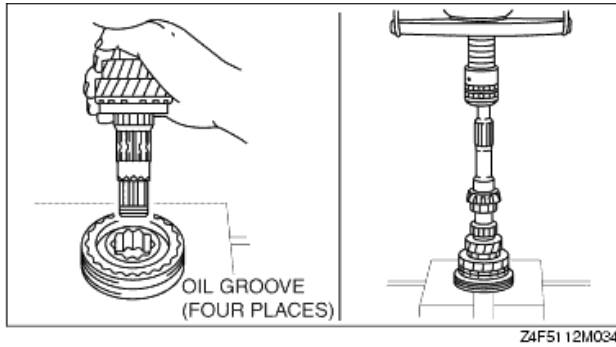
Bearing (Primary Shaft End) Assembly Note

1. Install the new bearing using the SST.



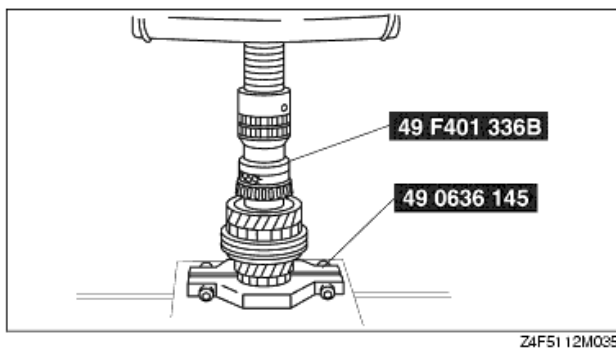
3rd Gear, 3rd Synchronizer Ring, and 3rd/4th Clutch Hub Component Assembly Note

1. Install the 3rd gear, 3rd synchronizer ring, and 3rd/4th clutch hub component using a press.

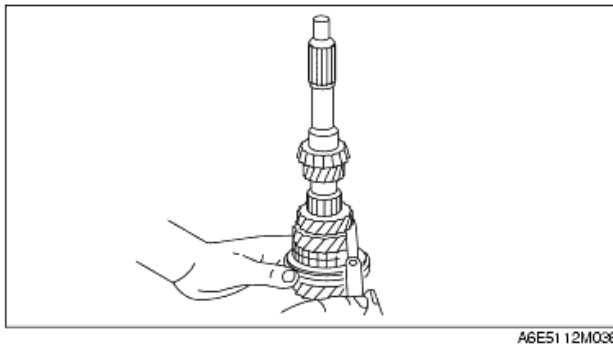


4th Synchronizer Ring, 4th Gear, and Bearing (4th Gear End) Assembly Note

1. Install the 4th synchronizer ring, 4th gear, and a new bearing using the SST.



2. Measure the clearance between the 3rd gear and 2nd gear.



- If not as specified, reassemble the primary shaft component.

Clearance
 0.05-0.20 mm {0.002-0.007 in}
 Maximum
 0.25 mm {0.010 in}

3. Measure the clearance between the 4th gear and bearing.

- If not as specified, reassemble the primary shaft component.

Clearance

0.17-0.37 mm {0.007-0.014 in}

Maximum

0.42 mm {0.017 in}