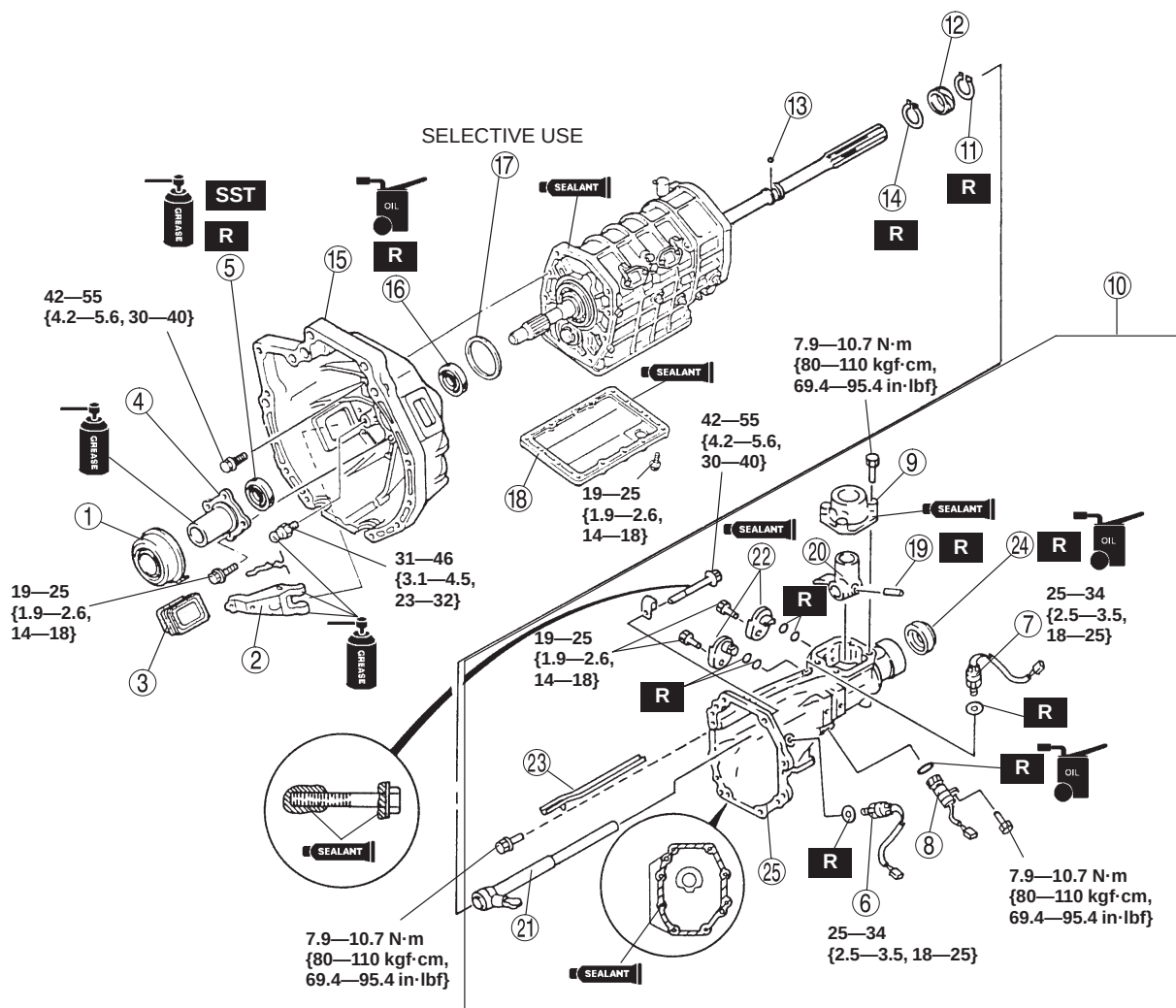


MANUAL TRANSMISSION

CLUTCH HOUSING, EXTENSION HOUSING, AND TRANSFER CASE DISASSEMBLY/ASSEMBLY

1. Disassemble in the order indicated in the table.
2. Assemble in the reverse order of disassembly.

4×2 (R15M-D)



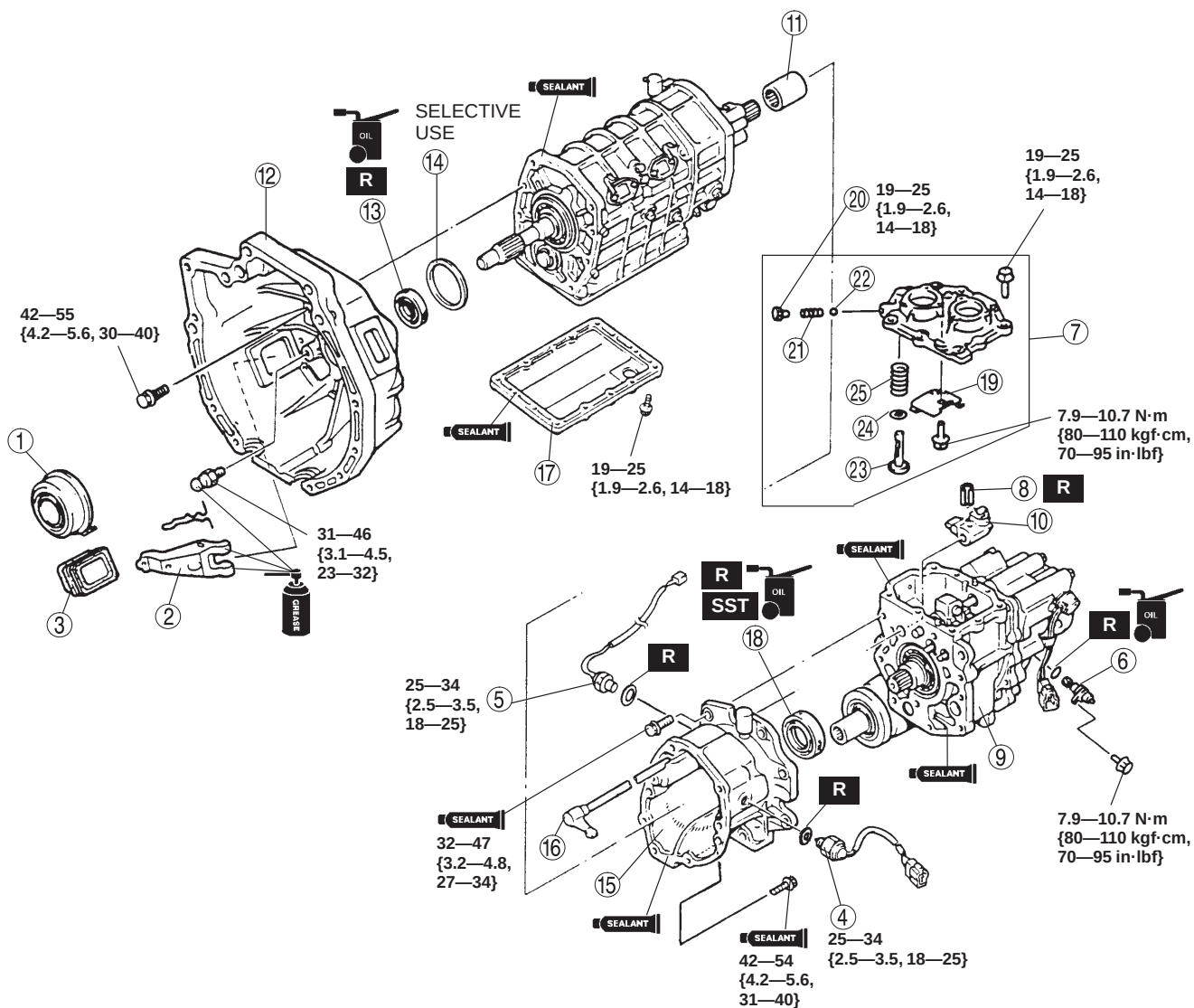
N·m {kgf·m, ft·lbf}

1	Clutch release collar
2	Clutch release fork
3	Boot
4	Front cover (F2 engine)
5	Oil seal (F2 engine) + Assembly Note
6	Back-up light switch
7	Neutral switch (F2 CIS and G6 engine)
8	Vehicle speedometer sensor
9	Control case
10	Extension housing component
11	Snap ring
12	Speedometer drive gear
13	Steel ball

14	Snap ring
15	Clutch housing
16	Oil seal (except F2 engine)
17	Adjustment shim + Assembly Note
18	Under cover
19	Roll pin
20	Control lever end
21	Control rod
22	Stopper pin
23	Oil pass
24	Oil seal (rear) + Assembly Note
25	Extension housing

MANUAL TRANSMISSION

4×4 (R15MX-D)



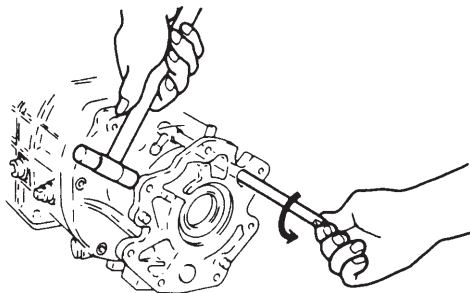
N·m {kgf·m, ft·lbf}

1	Clutch release collar
2	Clutch release fork
3	Boot
4	Back-up light switch
5	Neutral switch (G6 engine)
6	Vehicle speedometer sensor
7	Control cover component
8	Roll pin
9	Transfer case
10	Control lever end
11	Input sleeve
12	Clutch housing
13	Oil seal (front)
14	Adjustment shim + Assembly Note

15	Extension housing + Disassembly Note
16	Control rod
17	Under cover
18	Oil seal + Assembly Note
19	Oil pass
20	Plug
21	Spring
22	Steel ball
23	Select lock spindle
24	Washer
25	Spring

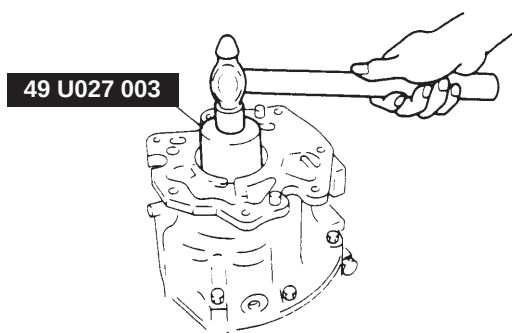
Extension Housing Disassembly Note

- Turn the control rod in the direction of the arrow, and remove the extension housing.



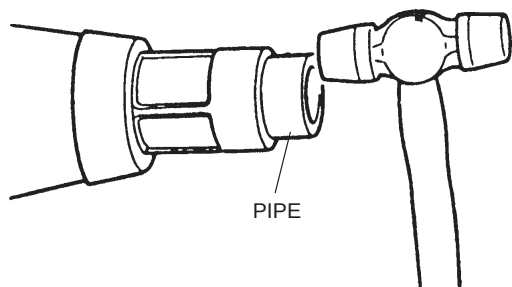
Oil Seal Assembly Note

- Apply oil to a new oil seal lip and install it in the extension housing using the SST.



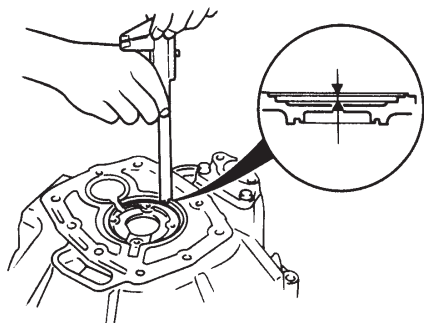
Oil Seal (Rear) Assembly Note

1. Apply the transmission oil to a new oil seal.
2. Install the oil seal until it touches the case by using a suitable piece of pipe.

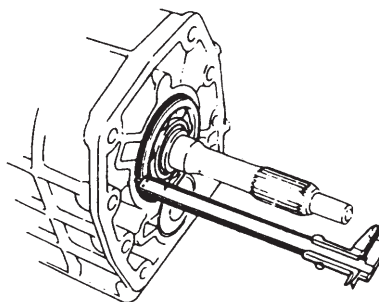


Adjustment Shim Assembly Note

1. Measure the depth of the main drive gear bearing bore in the clutch housing with vernier calipers.



2. Measure the main drive gear bearing height.



3. The difference between the two measurements indicates the required thickness of the adjustment shim.

Standard thrust play

0—0.1 mm {0—0.004 in}

Adjustment shim thickness

0.3 mm {0.012 in}, 0.4 mm {0.016 in}

0.5 mm {0.020 in}, 0.6 mm {0.024 in}

0.7 mm {0.028 in}

Oil Seal (F2 Engine) Assembly Note

- Apply the transmission oil to a new oil seal lip, and install it to the clutch housing by using the SST.

