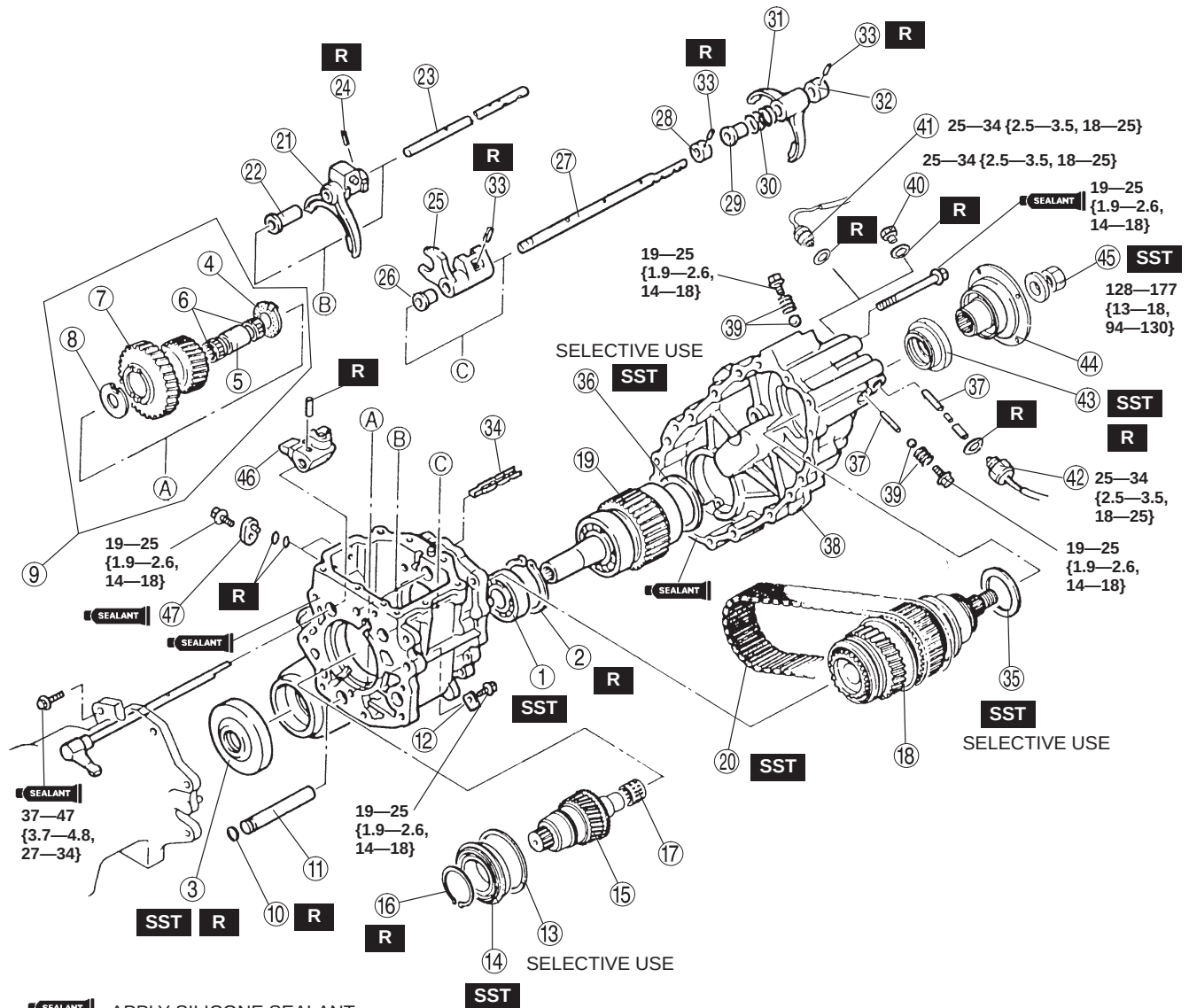


TRANSFER

TRANSFER COMPONENT ASSEMBLY

- Assemble in the order indicated in the table.



APPLY SILICONE SEALANT



APPLY SPECIFIED OIL TO INDIVIDUAL PARTS

N·m {kgf·m, ft·lbf}

1	Bearing (front drive sprocket) + Assembly Note
2	Snap ring
3	Oil seal + Assembly Note
4	Thrust washer
5	Spacer
6	Bearing
7	Counter gear
8	Thrust washer
9	Counter gear component
10	O-ring
11	Counter shaft gear support
12	Lock plate

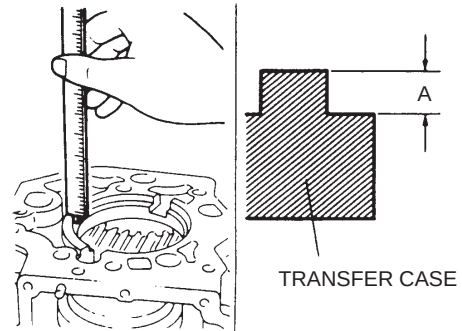
13	Adjustment shim + Assembly Note
14	Bearing (input shaft gear) + Assembly Note
15	Input shaft
16	Snap ring
17	Bearing
18	Output shaft component
19	Front drive sprocket component
20	Chain + Assembly Note
21	H—L shift fork
22	Spacer
23	H—L shift rod
24	Roll pin

TRANSFER

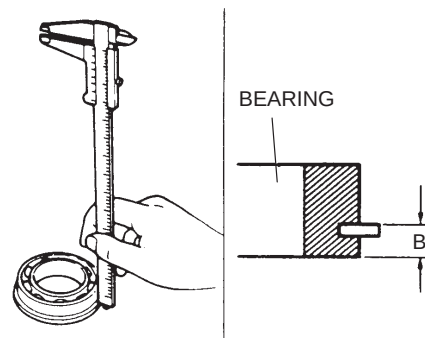
25	2W—4W shift end
26	Spacer
27	2W—4W shift rod
28	Retainer
29	Spacer
30	Spring
31	2W—4W shift fork
32	Retainer
33	Roll pin
34	Oil passage
35	Adjustment shim + Assembly Note
36	Adjustment shim + Assembly Note
37	Interlock pin
38	Chain cover
39	Detent ball and spring
40	Plug (except RFW model)
41	Transfer neutral switch (RFW model)
42	4 × 4 indicator switch
43	Oil seal + Assembly Note
44	Companion flange
45	Locknut + Assembly Note
46	Control lever end
47	Stopper pin

Adjustment Shim Assembly Note

1. Measure the bearing bore depth (A) of the transfer case by using vernier calipers.

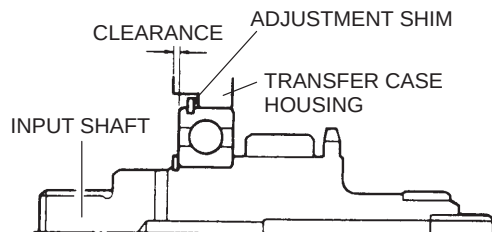


2. Measure height (B) of the bearing clip by using vernier calipers and a surface plate.



3. Calculate the difference between (A) and (B) to determine the clearance.

$$\text{Clearance} = (A) - (B)$$



4. Select and install the proper shim to obtain the standard clearance.

Standard clearance

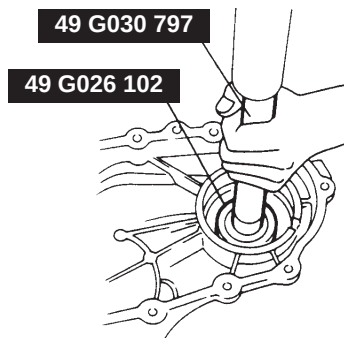
0—0.1 mm {0—0.0039 in}

Adjustment shim thickness

0.6 mm {0.024 in}, 0.7 mm {0.028 in},
0.8 mm {0.032 in}, 0.9 mm {0.035 in},
1.0 mm {0.039 in}, 1.1 mm {0.043 in},
1.2 mm {0.047 in}, 1.3 mm {0.051 in},
1.4 mm {0.055 in}

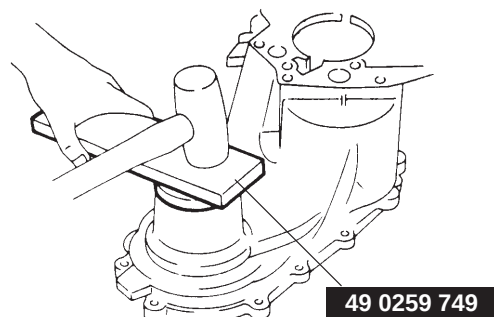
Bearing (Front Drive Sprocket) Assembly Note

- Install the bearing to the transfer case by using the SSTs.



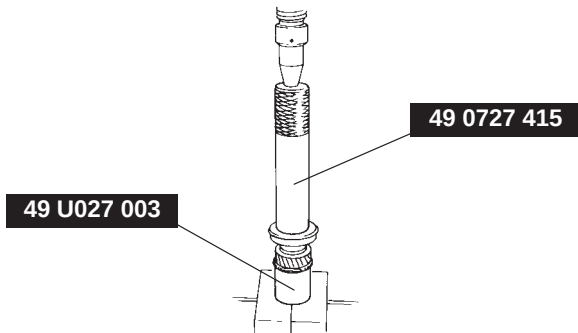
Oil Seal Assembly Note

- Apply oil to the lip of a new oil seal and install the oil seal in the transfer case by using the SST.



Bearing (Input Shaft Gear) Assembly Note

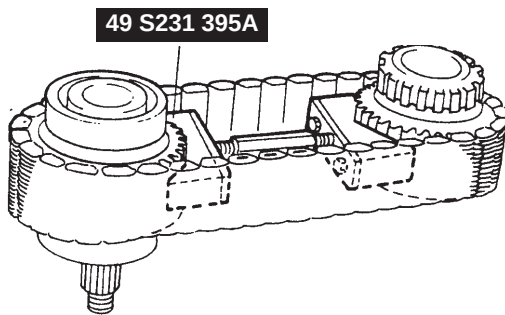
- Press the bearing on the input shaft gear by using the SSTs.



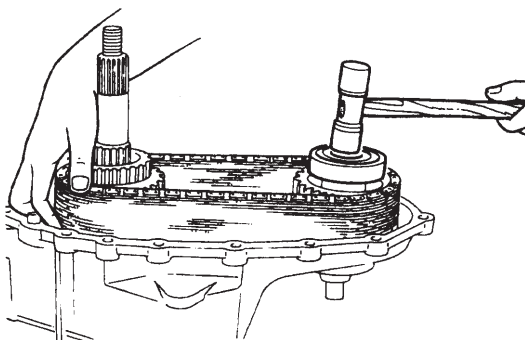
Chain Assembly Note

Note

- Do not overtighten the chain expansion tool.
1. Install the chain on the drive sprocket component and the front drive sprocket, and expand the chain by using the SST to set the center to center distance for easy installation into the transfer case.



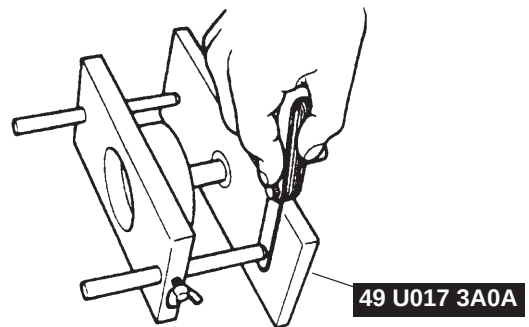
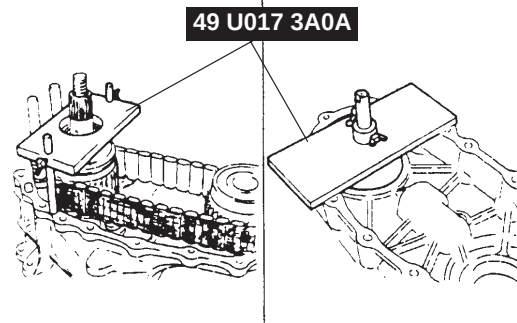
2. Install the front drive sprocket component into the transfer case by lightly tapping it with a plastic hammer, keeping the chain horizontal.



3. After installing, check that the chain rotates smoothly.

Adjustment Shim Assembly Note

1. Measure the bearing height and the bearing bore depth for the output shaft by using the SST.
2. Put the two pieces of the gauge set together and measure the clearance.



3. Select the proper adjustment shim to adjust the clearance.

Standard clearance

0.1—0.3 mm {0.004—0.011 in}

Adjustment shim thickness

0.5 mm {0.020 in}, 0.6 mm {0.024 in},
0.7 mm {0.028 in}, 0.8 mm {0.031 in},
0.9 mm {0.035 in}, 1.0 mm {0.039 in},
1.1 mm {0.043 in}, 1.2 mm {0.047 in},
1.3 mm {0.051 in}, 1.4 mm {0.055 in},
1.5 mm {0.059 in}, 1.6 mm {0.063 in},
1.7 mm {0.067 in}

4. Select the proper adjustment shim for the front drive sprocket bearing in same way as for the output shaft side.

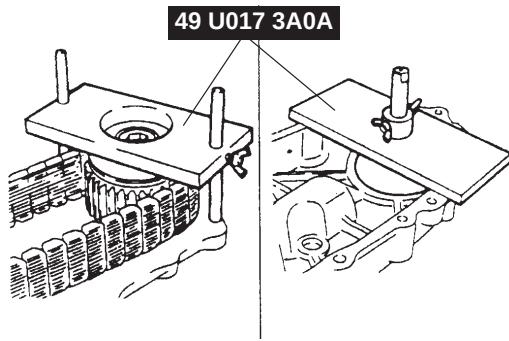
Standard clearance

0—0.1 mm {0—0.0039 in}

Adjustment shim thickness

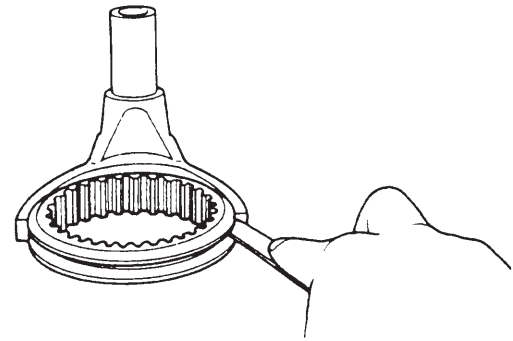
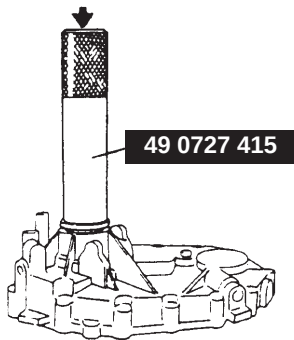
0.5 mm {0.020 in}, 0.6 mm {0.024 in},
0.7 mm {0.028 in}, 0.8 mm {0.031 in},
0.9 mm {0.035 in}, 1.0 mm {0.039 in},
1.1 mm {0.043 in}, 1.2 mm {0.047 in},

TRANSFER



Oil Seal Assembly Note

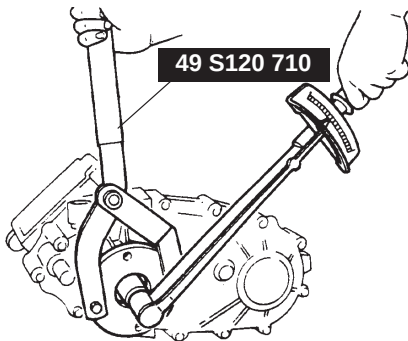
- Apply oil to the lip of a new oil seal and install the oil seal in the chain cover case by using the **SST**.



2. If not as specified, replace the shift fork and hub sleeve.

Locknut Assembly Note

1. Apply silicone sealant to the companion flange spline.
2. Use a new locknut and tighten the flange. Hold the companion flange by using the **SST**.



TRANSFER INSPECTION

Hub Sleeve and Shift Fork Inspection

1. Measure the clearance between the hub sleeve and shift fork.

Clearance

0.38—0.52 mm {0.015—0.020 in}

Maximum

0.8 mm {0.031 in}