

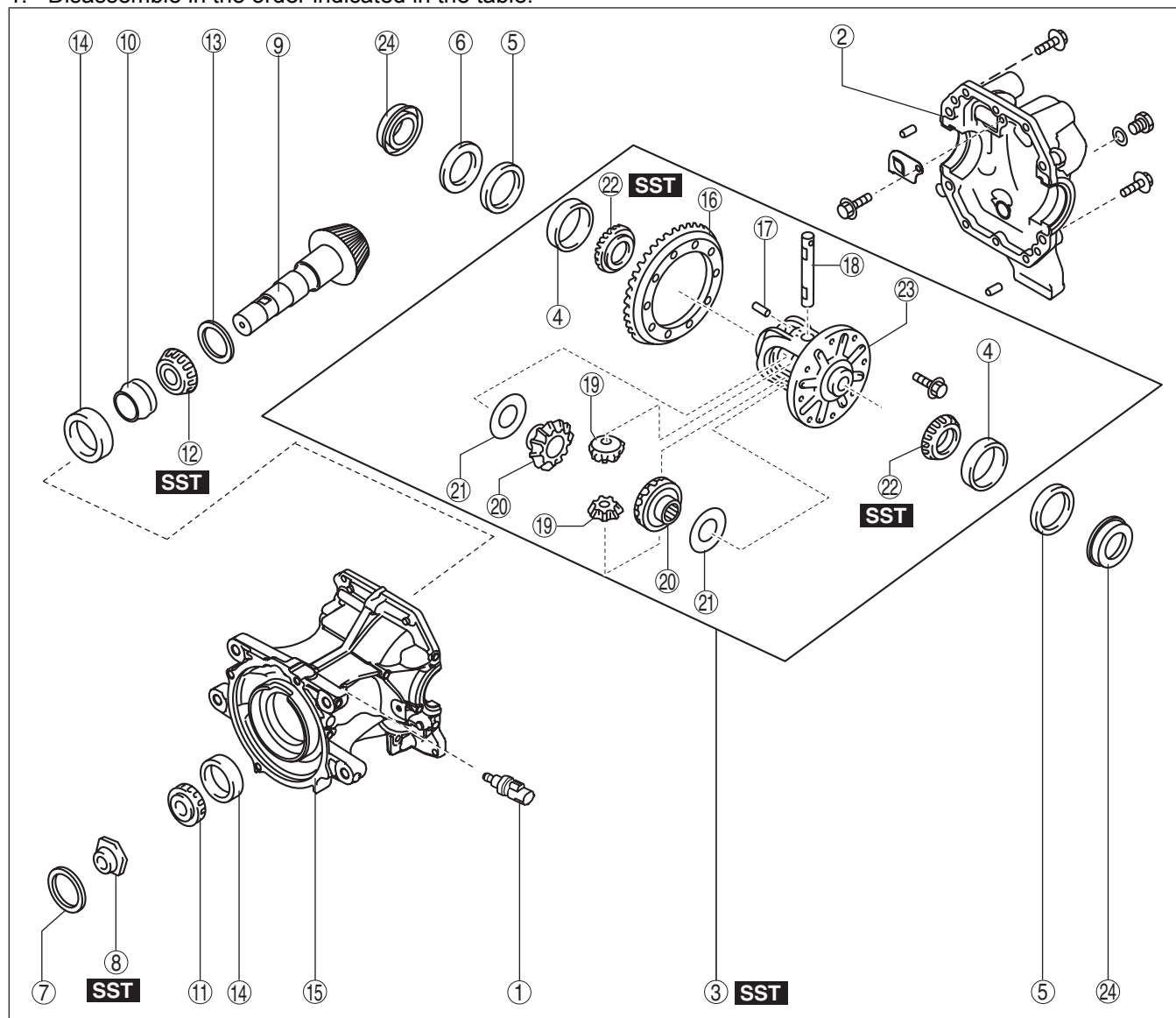
REAR DIFFERENTIAL DISASSEMBLY

id031400800500

Warning

- The engine stand is equipped with a self-lock mechanism, however, if the rear differential is in a tilted condition, the self-lock mechanism could become inoperative. If the rear differential unexpectedly rotates it could cause injury, therefore do not maintain the rear differential in a tilted condition. When turning the rear differential, grasp the rotation handle firmly.

1. Disassemble in the order indicated in the table.



1	Differential oil temperature sensor
2	Rear cover (See Rear Cover Disassembly Note.)
3	Rear differential component (See Rear Differential Component Disassembly Note.)
4	Side bearing outer race
5	Adjusting shim
6	Spacer
7	Oil seal (Coupling component)
8	Locknut (See Locknut Disassembly Note.)
9	Drive pinion (See Drive Pinion Disassembly Note.)

10	Collapsible spacer
11	Bearing inner race (front bearing)
12	Bearing inner race (rear bearing) (See Bearing Inner Race (Rear Bearing) Disassembly Note.)
13	Spacer
14	Bearing outer race (See Bearing Outer Race Disassembly Note.)
15	Differential carrier
16	Ring gear (See Ring Gear Disassembly Note.)
17	Pin
18	Pinion shaft
19	Pinion gear
20	Side gear

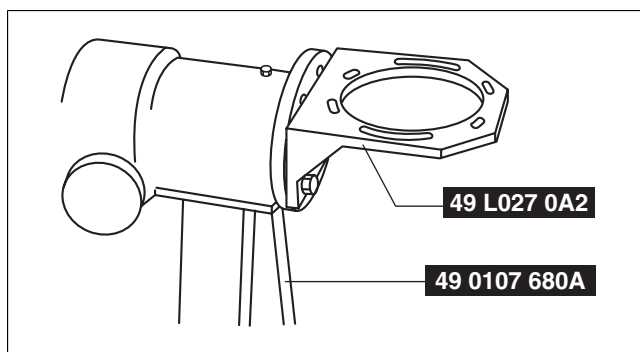
ac5wzw00002607

21	Thrust washer
22	Side bearing inner race (See Side Bearing Inner Race Disassembly Note.)

23	Gear case
24	Oil seal (side gear)

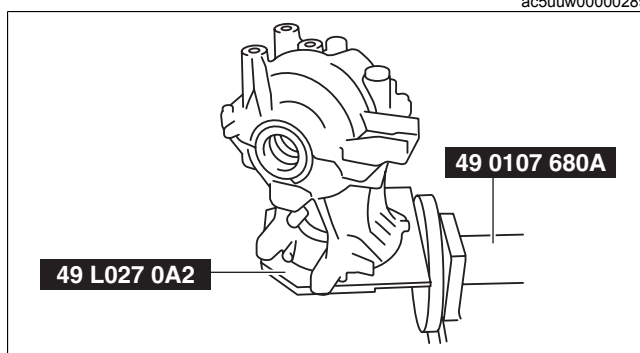
Rear Cover Disassembly Note

1. Install the **SSTs** to the engine stand.



ac5uuw00000289

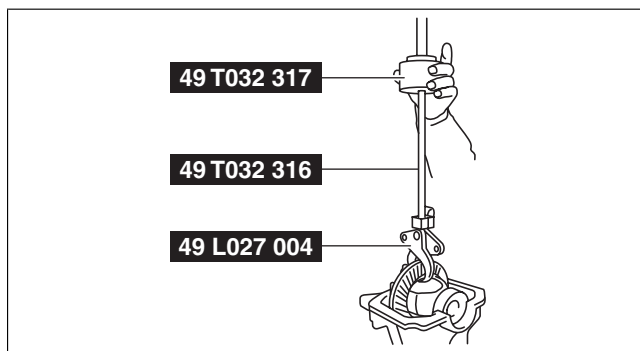
2. Install the rear differential to the **SSTs**.
3. Remove the rear cover.



ac5uuw00000290

Rear Differential Component Disassembly Note

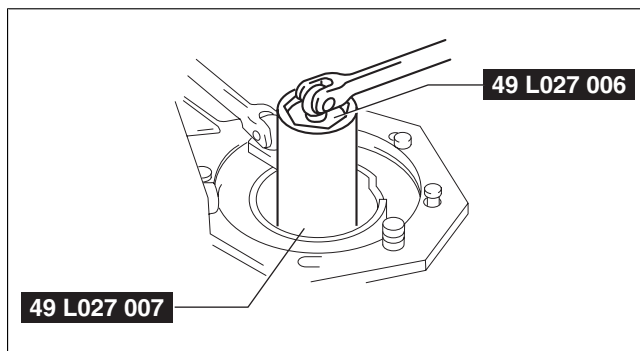
1. If the rear differential component cannot be removed by hand, remove the rear differential component using the **SSTs**.
2. Mark or otherwise distinguish between the removed left and right adjusting shims, spacers and side bearing outer races so that they are not mixed up at the time of reassembly.



ac5uuw00000291

Locknut Disassembly Note

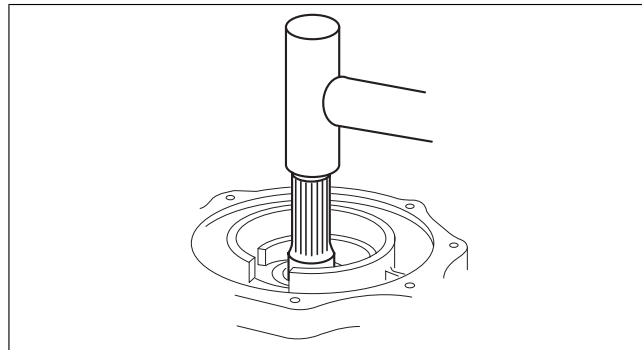
1. Remove the locknut using the **SSTs**.



ac5uuw00000292

Drive Pinion Disassembly Note

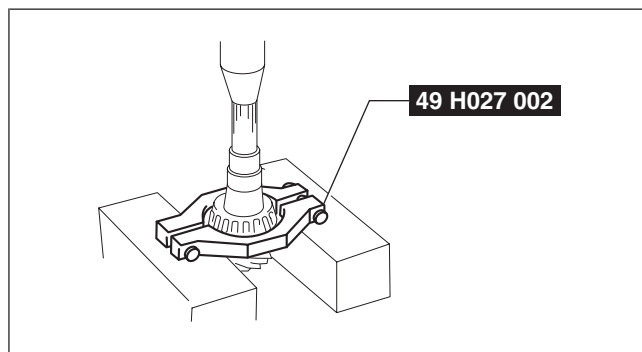
1. Remove the drive pinion by lightly tapping with a copper hammer.



acxuuw00004574

Bearing Inner Race (Rear Bearing) Disassembly Note

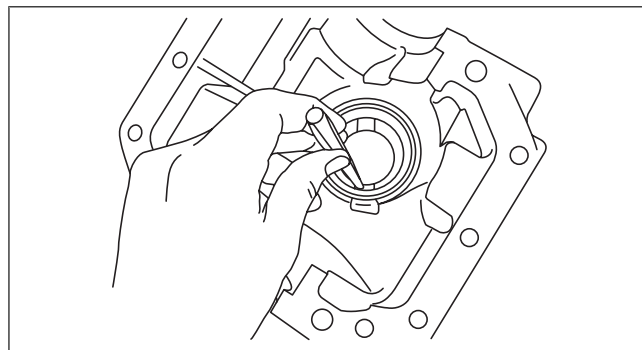
1. Remove the bearing inner races (rear bearing) using the **SST** and a press.



ac5uuw00000293

Bearing Outer Race Disassembly Note

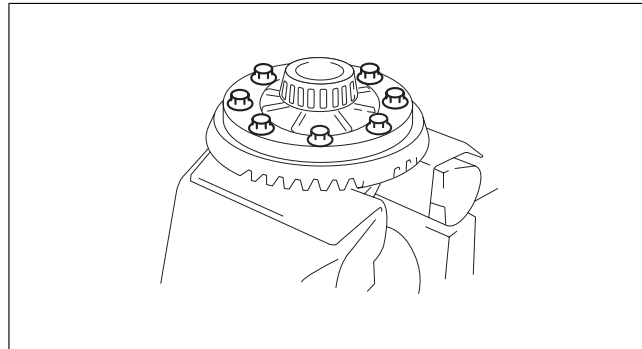
1. Remove the bearing outer races using the 2 grooves in the carrier and alternately tapping the sides of the races with a brass bar.



ac5uuw00000294

Ring Gear Disassembly Note

1. Secure the gear case in a vice and remove the bolts.
2. Lightly tap around the ring gear using a plastic hammer to remove the ring gear from the gear case.



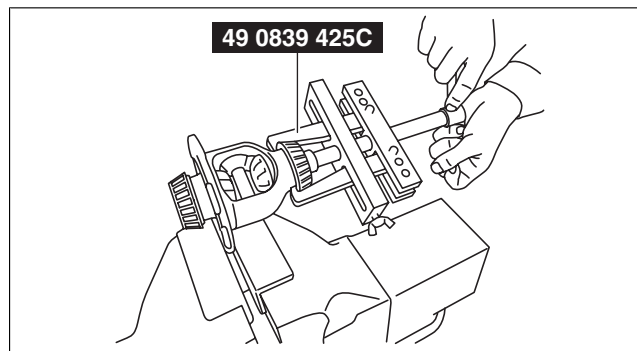
acxuuw00003143

Side Bearing Inner Race Disassembly Note

Note

- Mark or otherwise distinguish between the left and right side bearings so that they are not mixed up at the time of reassembly.

1. Remove the side bearing inner races from the gear case using the **SST**.



ac5uuw00000295