

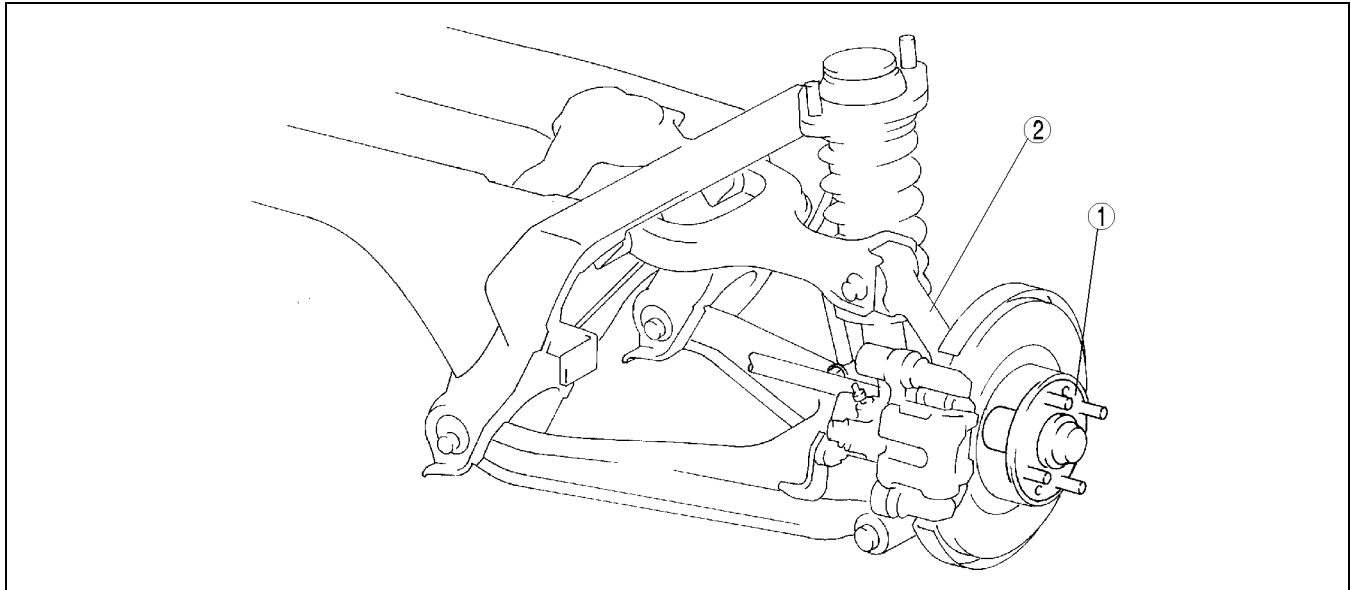
03-12 REAR AXLE

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REAR AXLE LOCATION INDEX

A5U031204016W01



Z5U0312W102

1	Wheel hub (See 03-12-1 WHEEL HUB, KNUCKLE PRE-INSPECTION) (See 03-12-2 WHEEL HUB, KNUCKLE REMOVAL/INSTALLATION)
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2	Knuckle (See 03-12-2 WHEEL HUB, KNUCKLE REMOVAL/INSTALLATION)
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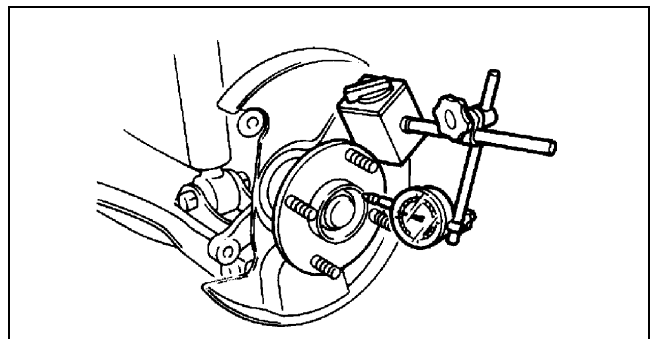
WHEEL HUB, KNUCKLE PRE-INSPECTION

A5U031204016W02

Wheel Bearing Play

1. Remove the wheel, brake caliper component and disc plate.
2. Position a dial indicator against the wheel hub.
3. Push and pull the wheel hub by hand in the axial direction and measure the wheel bearing play.
 - If the bearing play exceeds the specification, replace and tighten the locknut to the specified torque and retest.
 - Replace the wheel hub component as necessary.

Maximum wheel bearing play
0.05 mm {0.002 in}



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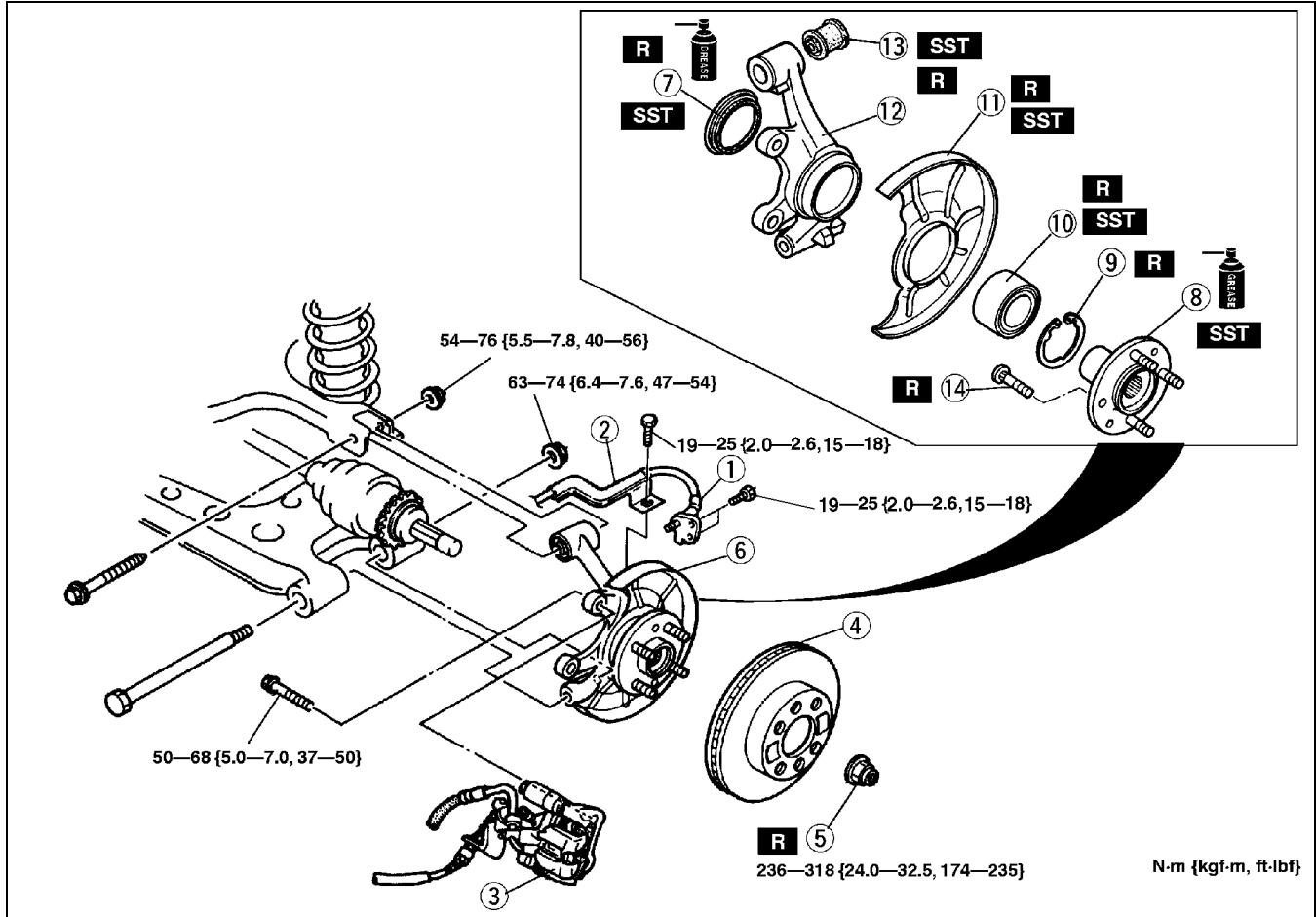
WHEEL HUB, KNUCKLE REMOVAL/INSTALLATION

A5U031204016W03

Caution

- Performing the following procedures without first removing the ABS wheel-speed sensor may possibly cause an open circuit in the harness if it is pulled by mistake. Before performing the following procedures, remove the ABS wheel-speed sensor (axle side) and fix it to an appropriate place where the sensor will not be pulled by mistake while servicing the vehicle.

- Remove in the order indicated in the table.
- Install in the reverse order of removal.



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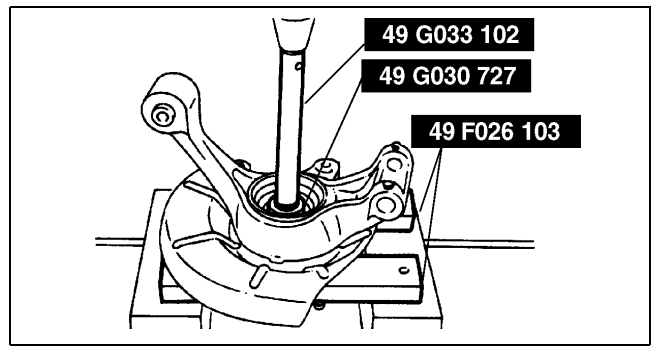
1	ABS wheel-speed sensor (if equipped)
2	Sensor bracket
3	Brake caliper component
4	Disc plate (See 04-11-17 Disc Plate Removal Note) (See 04-11-17 Disc Plate Installation Note)
5	Locknut (See 03-12-6 Locknut Installation Note)
6	Knuckle, wheel hub, and dust cover
7	Oil seal (See 03-12-5 Oil Seal Installation Note)
8	Rear wheel hub (See 03-12-3 Rear Wheel Hub Removal Note) (See 03-12-5 Rear Wheel Hub Installation Note)

9	Retaining ring
10	Wheel bearing (See 03-12-3 Wheel Bearing Removal Note) (See 03-12-5 Wheel Bearing Installation Note)
11	Dust cover (See 03-12-4 Dust Cover Removal Note) (See 03-12-4 Dust Cover Installation Note)
12	Knuckle
13	Bushing (See 03-12-4 Bushing Removal Note) (See 03-12-4 Bushing Installation Note)
14	Wheel hub bolt (See 03-11-4 Wheel Hub Bolt Removal Note)

REAR AXLE

Rear Wheel Hub Removal Note

1. Press the rear wheel hub component out using the **SSTs**.

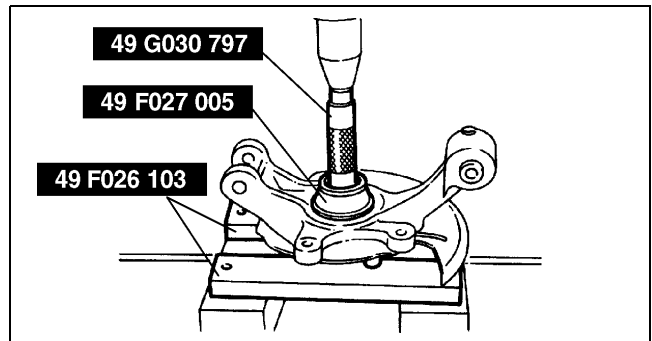


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03-12

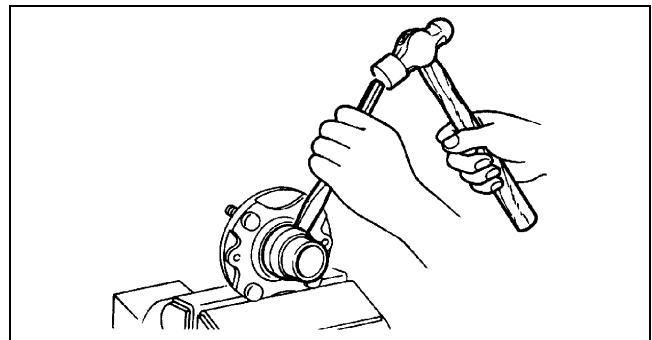
Wheel Bearing Removal Note

1. Press the wheel bearing out using the **SSTs**.



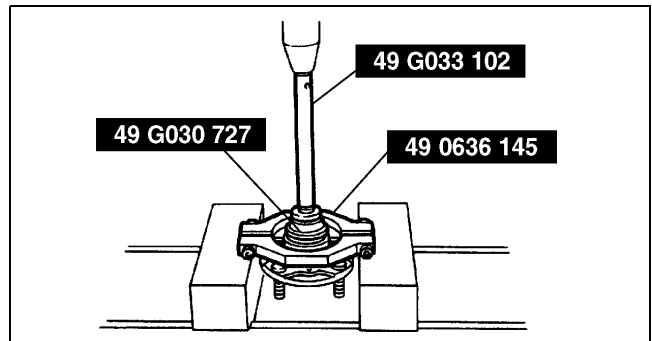
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2. Move the bearing inner race away from the rear wheel hub component using a chisel.



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3. Press the bearing inner race off the wheel hub using the **SSTs**.



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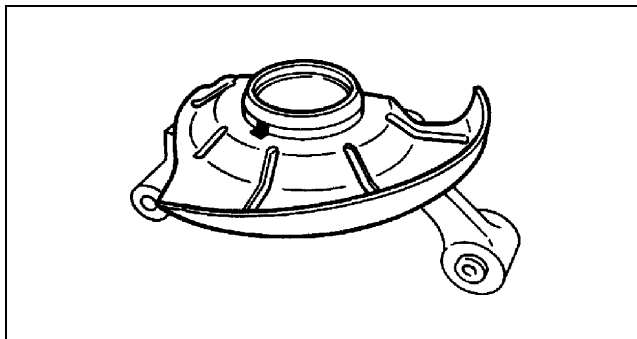
REAR AXLE

Dust Cover Removal Note

Note

- The dust cover does not need to be removed unless it is being replaced.

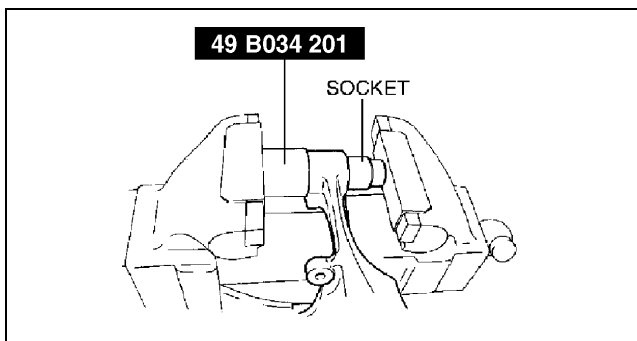
1. Mark the dust cover and knuckle for proper reassembly.
2. Remove the dust cover using a chisel.



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Bushing Removal Note

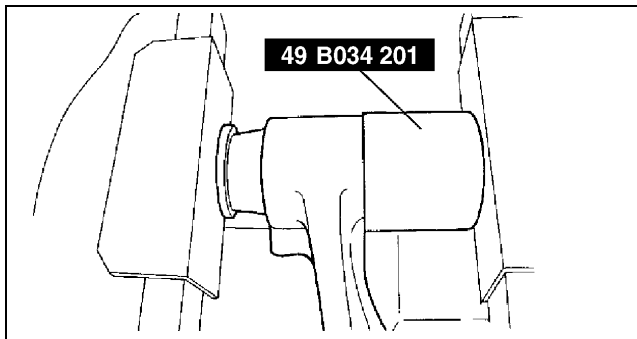
1. Press out the bushing using the **SST** and a socket.



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Bushing Installation Note

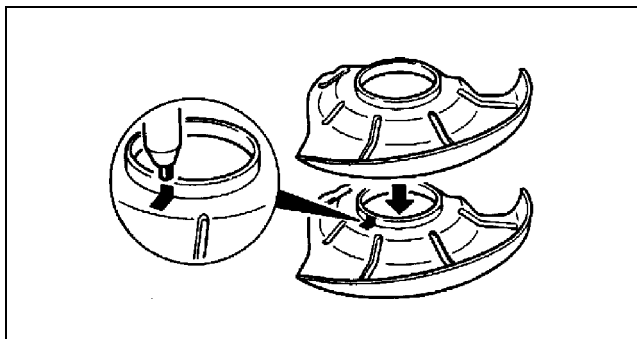
1. Apply soapy water to the bushing, then press it into the knuckle using the **SST**.



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Dust Cover Installation Note

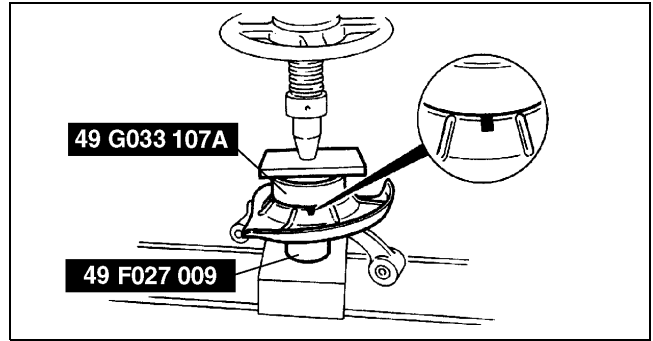
1. Mark the new dust cover as the same point as the removed one.
2. Align the marks of the new dust cover and the knuckle.



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3. Install the new dust cover using the **SSTs**.

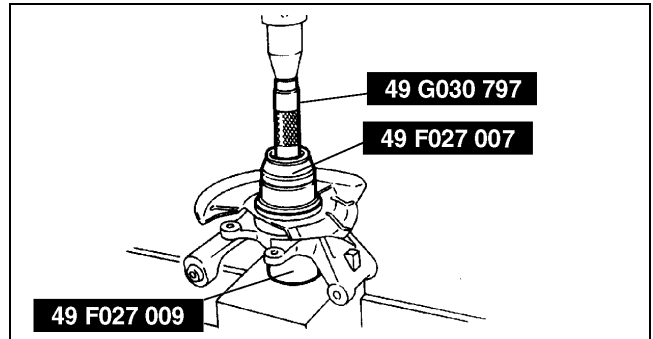


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Wheel Bearing Installation Note

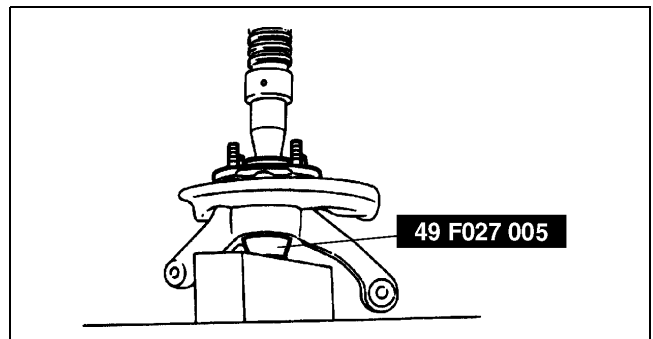
1. Press the new wheel bearing into the knuckle using the **SSTs**.



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Rear Wheel Hub Installation Note

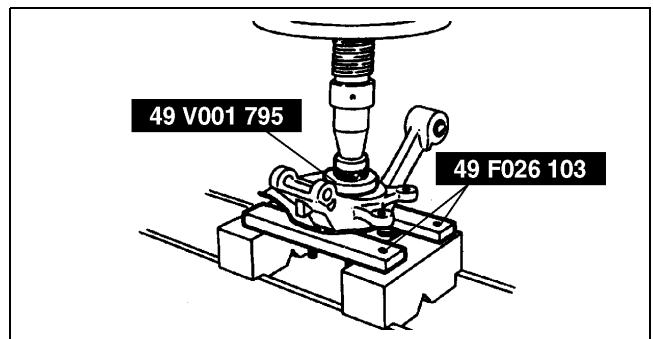
1. Apply grease to the wheel bearing inner race.
2. Press the rear wheel hub component in using the **SST**.



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Oil Seal Installation Note

1. Apply grease to the new oil seal lip.
2. Install the new oil seal using the **SSTs**.



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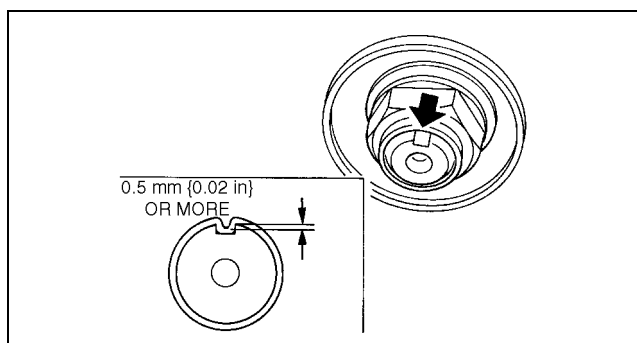
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Locknut Installation Note

1. Install a new locknut and stake it.

Tightening torque

236—318 N·m {24.0—32.5 kgf·m, 174—235 ft·lbf}



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