

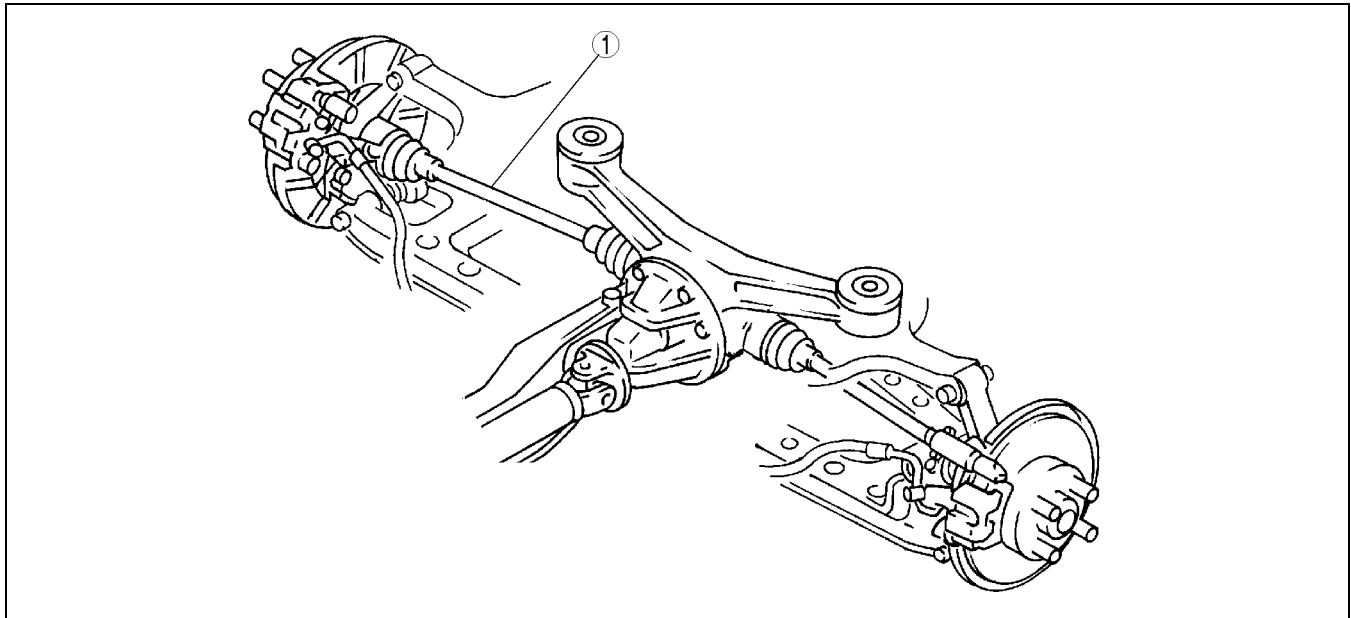
03-13 DRIVE SHAFT

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DRIVE SHAFT LOCATION INDEX

A5U031325500W01



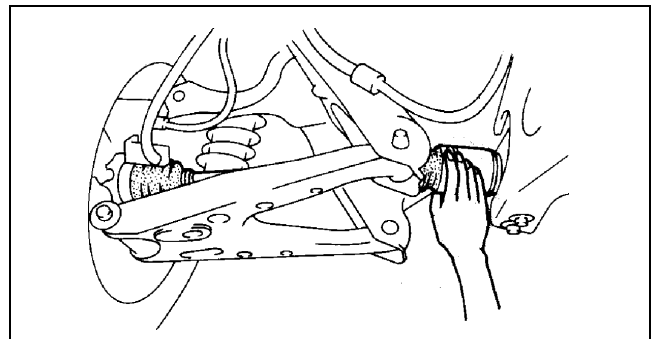
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1	<p>Drive shaft (See 03-13-1 DRIVE SHAFT PRE-INSPECTION) (See 03-13-2 DRIVE SHAFT REMOVAL/ INSTALLATION) (See 03-13-3 DRIVE SHAFT DISASSEMBLY/ ASSEMBLY)</p>
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DRIVE SHAFT PRE-INSPECTION

1. Inspect the dust boot on the drive shaft for cracks, damage, leaking grease, and looseness in boot band.
2. Inspect the drive shaft for bending, cracks, and wear of the joint and splines.
 - Repair or replace the drive shaft as necessary.

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U5U31301

DRIVE SHAFT

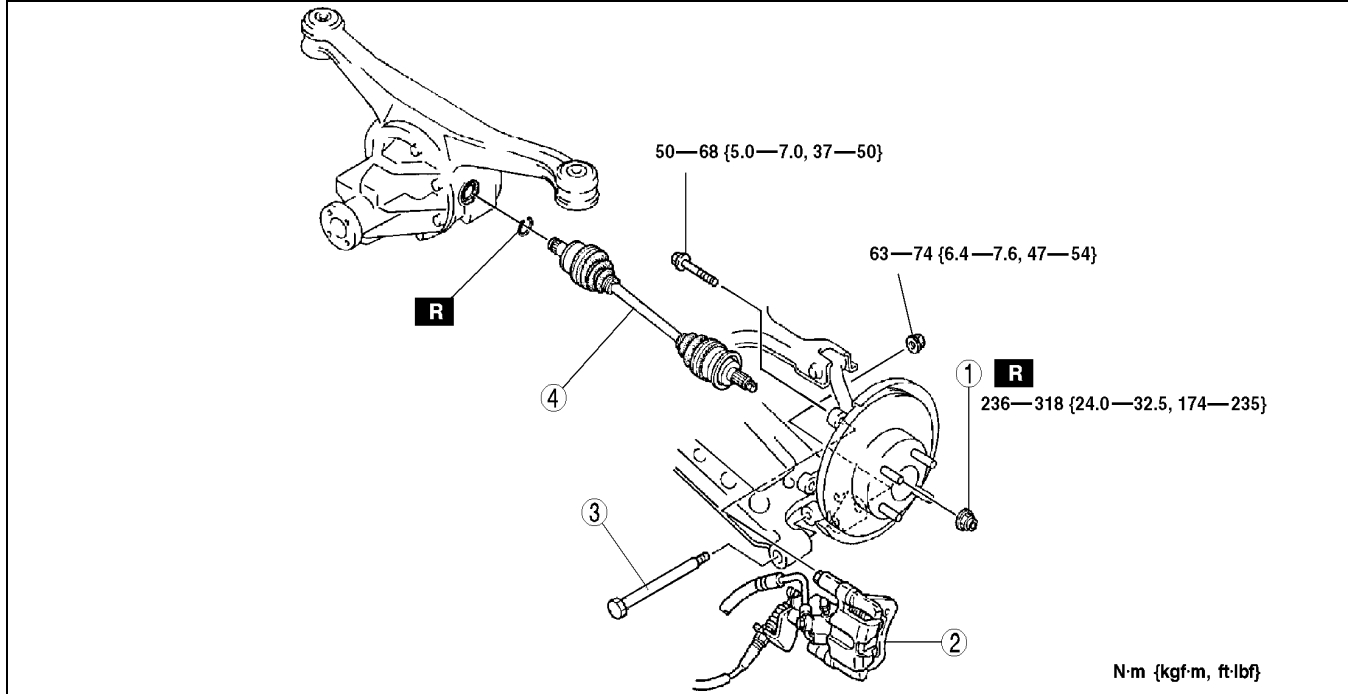
DRIVE SHAFT REMOVAL/INSTALLATION

A5U031325500W03

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	Locknut (See 03-11-4 Locknut Installation Note)
2	Brake caliper component

3	Bolt
4	Drive shaft (See 03-13-2 Drive Shaft Removal Note) (See 03-13-2 Drive Shaft Installation Note)

Drive Shaft Removal Note

- Pull the rear hub support from the drive shaft.

Note

- If the drive shaft will not come out of the rear hub support easily, install a discarded nut onto the drive shaft so that the nut is flush with the end of the drive shaft. Tap the nut with a copper hammer to loosen the drive shaft from the wheel hub.

- Remove the drive shaft from the differential using a pry bar.

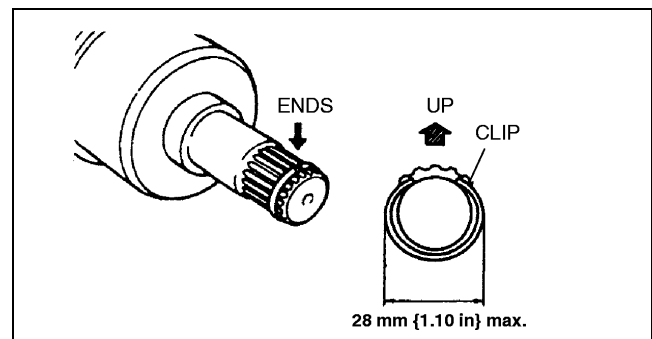
Drive Shaft Installation Note

- Install a new clip onto the drive shaft.
- Measure the outer diameter of the clip after installing.
 - Replace the clip.
 - If it exceeds the specification.

Caution

- The sharp edges of the drive shaft snap ring can slice or puncture the oil seal. Be careful when installing the drive shaft to the transmission.

- With the ends of the clip facing upward, push the drive shaft into the differential.
- After installation, pull outward on the double offset joint outer ring and verify that the drive shaft is securely held by the clip.



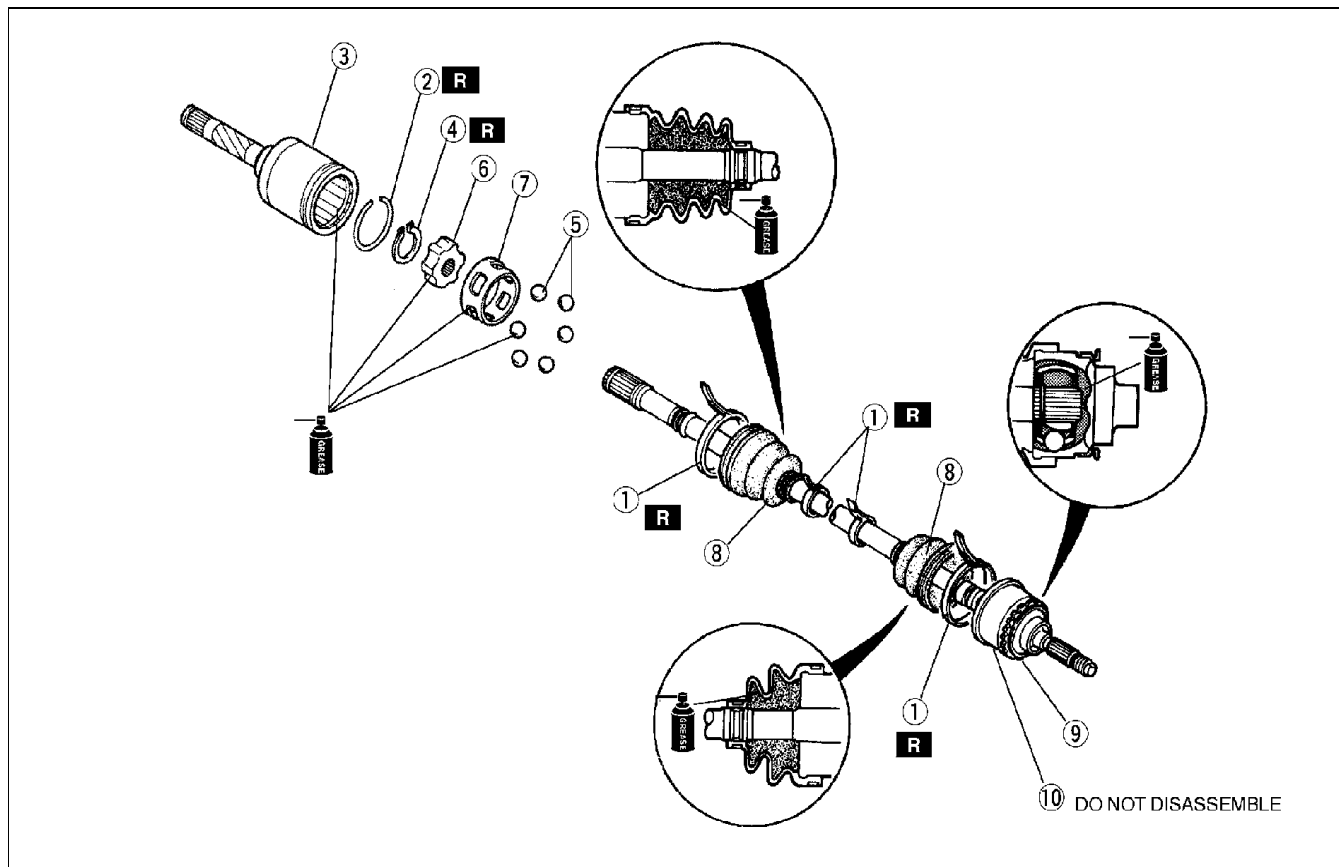
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DRIVE SHAFT

DRIVE SHAFT DISASSEMBLY/ASSEMBLY

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



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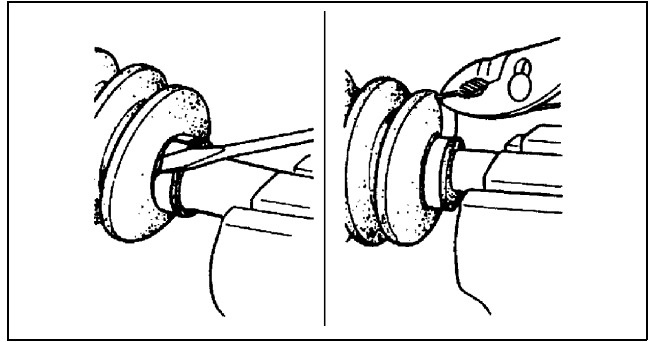
1	Boot bands (See 03-13-4 Boot Bands Disassembly Note) (See 03-13-6 Boot Bands Assembly Note)
2	Clip (See 03-13-4 Clip Disassembly Note)
3	Outer ring
4	Snap ring (See 03-13-4 Snap Ring Disassembly Note)
5	Balls (See 03-13-4 Balls, Inner Ring, Cage Disassembly Note) (See 03-13-6 Cage, Inner Ring, Balls Assembly Note)
6	Inner ring (See 03-13-4 Balls, Inner Ring, Cage Disassembly Note) (See 03-13-6 Cage, Inner Ring, Balls Assembly Note)

7	Cage (See 03-13-4 Balls, Inner Ring, Cage Disassembly Note) (See 03-13-6 Cage, Inner Ring, Balls Assembly Note)
8	Boots (See 03-13-5 Boots Disassembly Note) (See 03-13-5 Boots Assembly Note)
9	ABS sensor rotor (See 03-13-5 ABS Sensor Rotor (With ABS) Disassembly Note) (See 03-13-5 ABS Sensor Rotor (With ABS) Assembly Note)
10	Shaft and bell joint component

DRIVE SHAFT

Boot Bands Disassembly Note

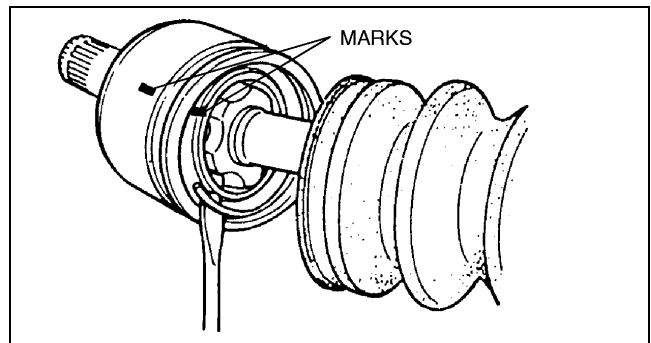
1. Pry up the locking clips using a screwdriver.
2. Pull back the end of the band.



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Clip Disassembly Note

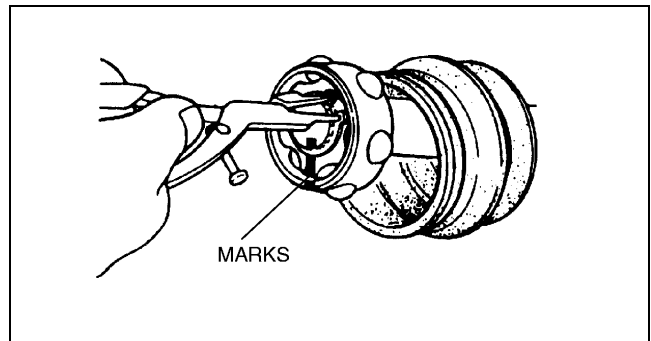
1. Mark the drive shaft and outer ring.
2. Remove the clip.



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Snap Ring Disassembly Note

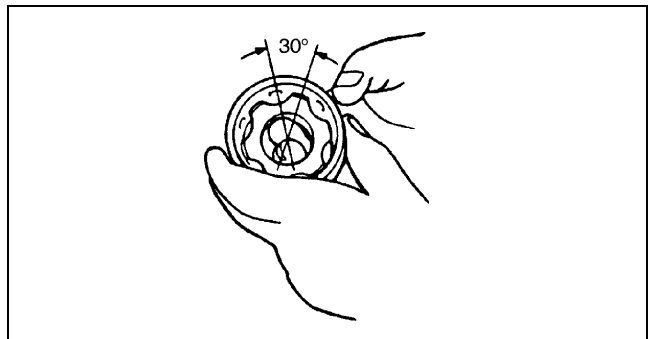
1. Mark the drive shaft end and inner ring.
2. Remove the snap ring using snap-ring pliers.



U5U31308

Balls, Inner Ring, Cage Disassembly Note

1. Insert a screwdriver between the inner ring and cage to remove the balls.
2. Mark the inner ring and cage.
3. Turn the cage **approx. 30°**, then pull it away from the inner ring.

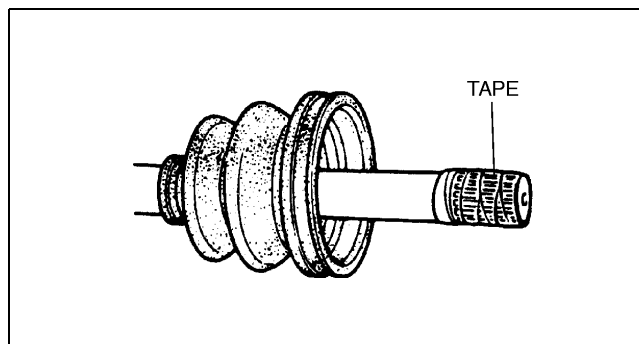


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Boots Disassembly Note

1. Wrap the shaft splines with tape.
2. Remove the boot.



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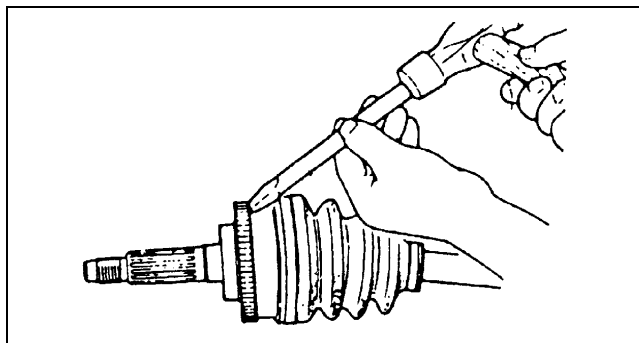
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ABS Sensor Rotor (With ABS) Disassembly Note

Note

- The sensor rotor does not need to be removed unless it is being replaced.

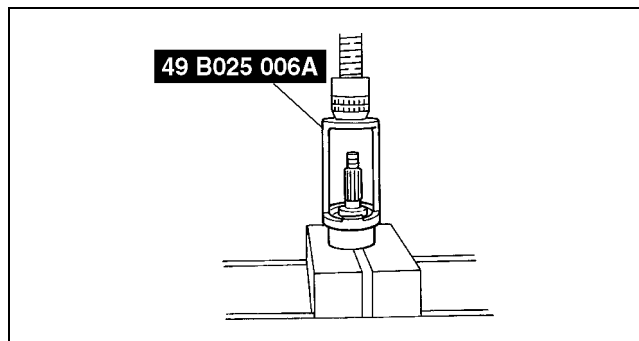
1. Tap the ABS sensor rotor off the bell joint outer race using a chisel.



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ABS Sensor Rotor (With ABS) Assembly Note

1. Press in the ABS sensor rotor using the SST.



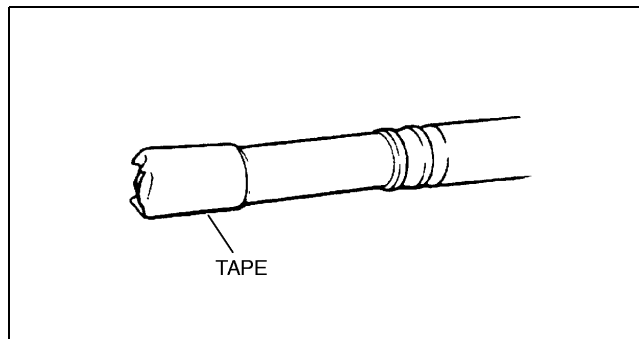
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Boots Assembly Note

1. Before putting the boot onto the shaft, wrap the shaft splines with tape.

Note

- The initials DOJ and BJ are stamped on the wheel side and differential side boots respectively.

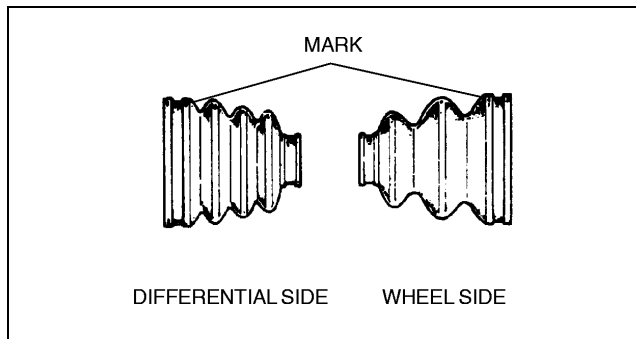


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DRIVE SHAFT

2. Install the wheel side and differential side boots, noting the shape and size of each one in the figure.

Outer diameter of large boot end
Differential side: 87.4 mm {3.44 in}
Wheel side: 90.8 mm {3.57 in}



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Cage, Inner Ring, Balls Assembly Note

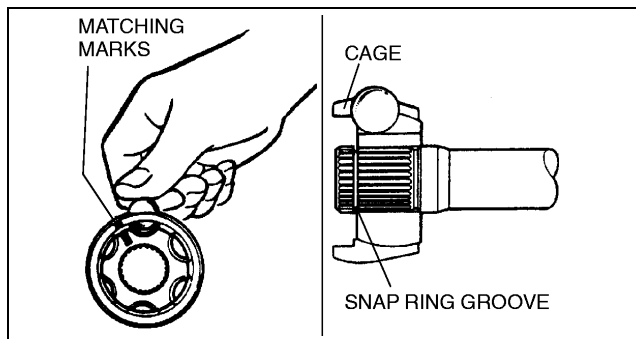
1. Align the marks and install the balls to the inner ring.
2. Install the cage, inner ring, and ball component to the drive shaft in the direction shown in the figure. The larger diameter of the cage should be facing the snap ring groove.
3. Install a new snap ring in the drive shaft snap ring groove.
4. Apply the specified grease (supplied in the boot kit) to the joints and boots.

Caution

- Do not touch grease with your hand.
Apply from the tube to prevent foreign matter entering the boot.

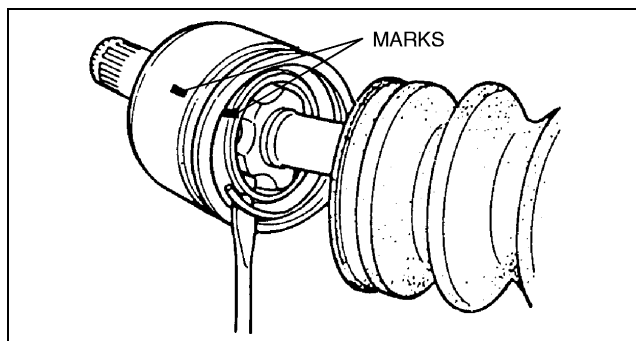
Total quantity

Differential side: 85—105 g {3.01—3.70 oz}
Wheel side: 55—75 g {1.95—2.64 oz}



U5U31314

5. Align the marks, then install a new clip.



U5U31315

Boot Bands Assembly Note

1. Verify that the boots are not dented or twisted.
2. Set the drive shaft to the standard length.

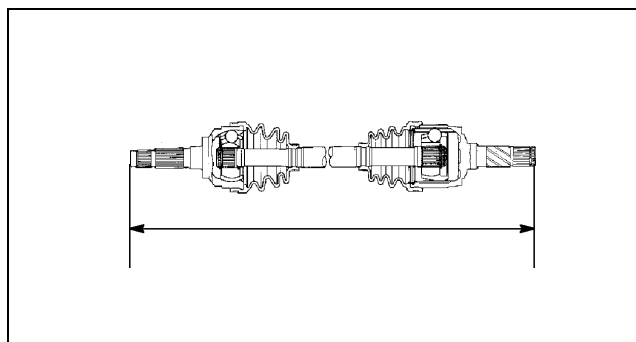
Standard length

772.6—782.6 mm {30.42—30.81 in}

3. Release any trapped air from the boots by carefully lifting up the small end of each boot with a cloth-wrapped screwdriver.

Caution

- Be careful not to allow the grease to leak.
- Do not damage the boot.



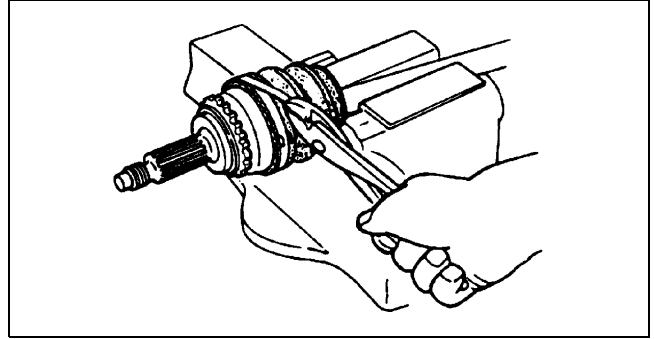
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DRIVE SHAFT

4. Verify that the drive shaft length is within the standard.
 - If the drive shaft length is not within the standard, return to step 1.
5. Fold the new band back by pulling on the end of it with pliers. The band should be folded in the direction opposite the forward revolving direction of the drive shaft.
6. Lock the end of the band by bending the locking clips.

Caution

- Verify that the boot band is installed in the boot groove securely.



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