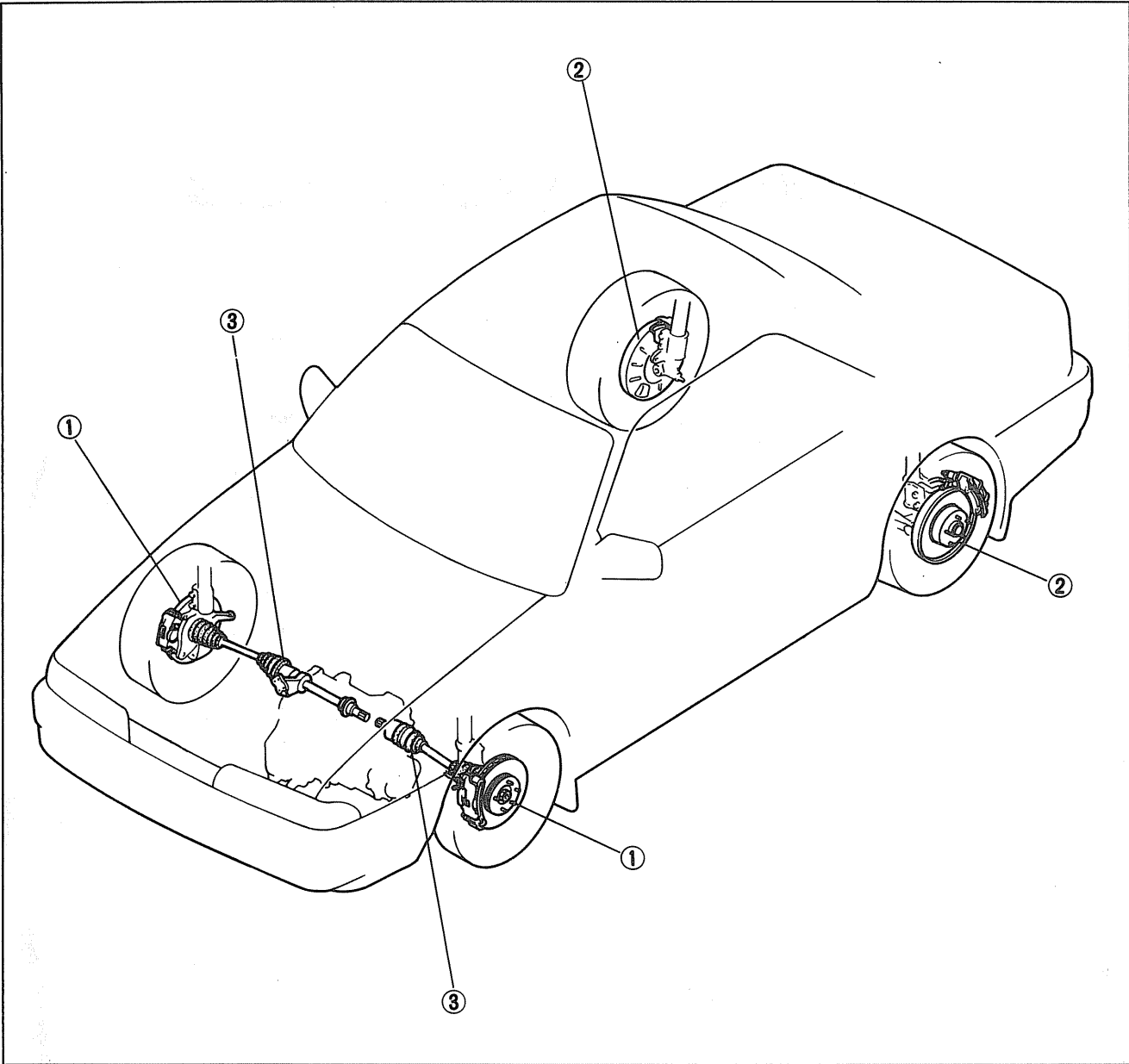


# FRONT AND REAR AXLES

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16U0MX-009

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16U0MX-010

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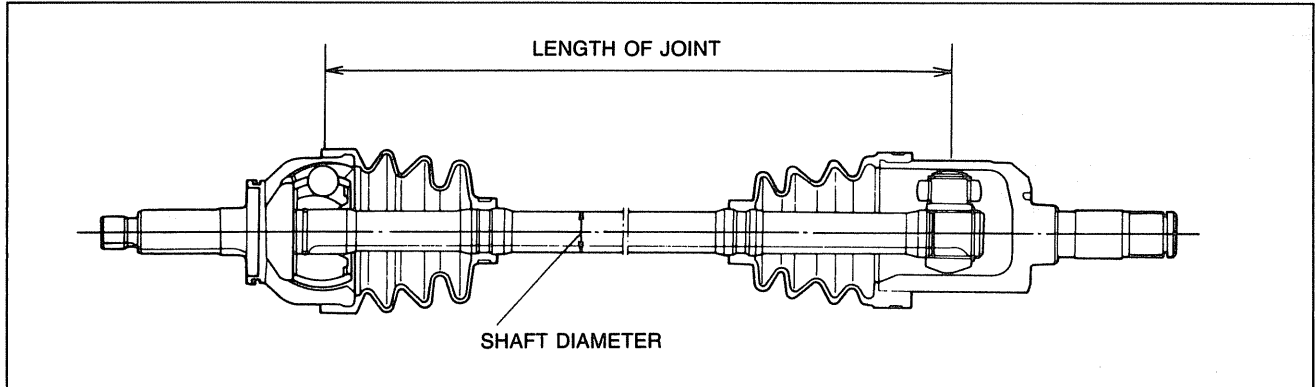
DOJ; Double offset joint  
TJ; Tripod joint

OUTLINE

SPECIFICATIONS

Item	Model	Turbo		Non-Turbo	
		mm (in)		mm (in)	
Length of joint (between centers of joints)	MTX	363.0 (14.29)		363.0 (14.29)	
	ATX	348.8 (13.71)		355.5 (14.00)	
Shaft diameter	MTX	24.0 (0.94)		24.0 (0.94)	
	ATX	26.0 (1.02)		24.0 (0.94)	

16U0MX-001



TROUBLESHOOTING GUIDE

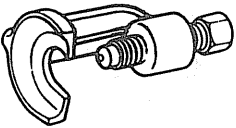
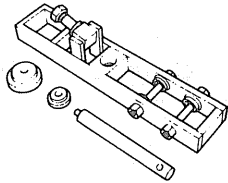
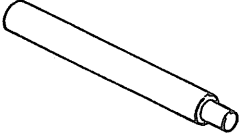
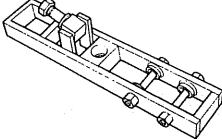

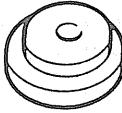

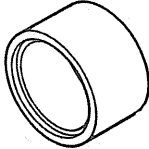
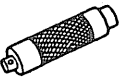

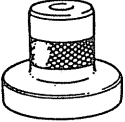
Problem	Possible Cause	Remedy	Page
<b>Faulty operation of driveshaft</b>	Broken ball joint Broken tripod joint Worn or seized joint	Replace Replace Replace	M-28 M-31 M-28, 31
<b>Abnormal noise from driveshaft</b>	Insufficient grease in joint or spline Excessive backlash on spline Worn joint	Add or replace Replace Replace	M-30, 31 M-28, 31 M-28, 31
<b>Steering wheel pulls. (Steering wheel pulls toward either right or left side)</b>	Bent steering linkage Fatigued coil spring Lower arm bushing worn or damaged Bent knuckle Bent lower arm or loose mounting Incorrect toe-in adjustment Improper tire air pressure Unevenly worn tires (left and right tires) Brake dragging	Refer to Section N Refer to Section R Refer to Section R Replace Refer to Section R Refer to Section R Refer to Section Q Refer to Section Q Refer to Section P	— — — M- 8 — — — — —
<b>Unstable handling</b>	Bent steering linkage Joint in steering system worn or damaged Incorrect steering pinion preload adjustment Fatigued coil spring Faulty shock absorber(s) Lower arm bushing worn or damaged Incorrect toe-in adjustment (front or rear) Improper tire air pressure Wheel(s) bent or unbalanced	Refer to Section N Refer to Section N Refer to Section N Refer to Section R Refer to Section R Refer to Section R Refer to Section R Refer to Section Q Refer to Section Q	— — — — — — — — —
<b>Excessive steering wheel play</b>	Faulty front wheel bearing Incorrect steering pinion preload adjustment Rack and pinion worn Joint in steering system worn or damaged Lower arm bushing worn or damaged	Adjust Refer to Section N Refer to Section N Refer to Section N Refer to Section R	M- 8 — — — —

Problem	Possible Cause	Remedy	Page
<b>Tires excessively worn or worn unevenly</b>	Incorrect toe-in adjustment Improper tire air pressure Unbalanced wheel(s)	Refer to Section R Refer to Section Q Refer to Section Q	— — —
<b>Abnormal noise from axle</b>	Faulty wheel bearing	Replace	M-8,16,20

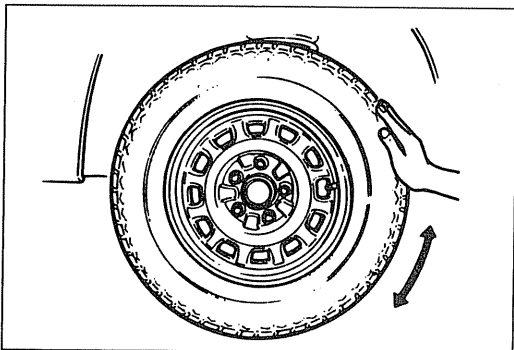
16U0MX-011

### FRONT AXLE

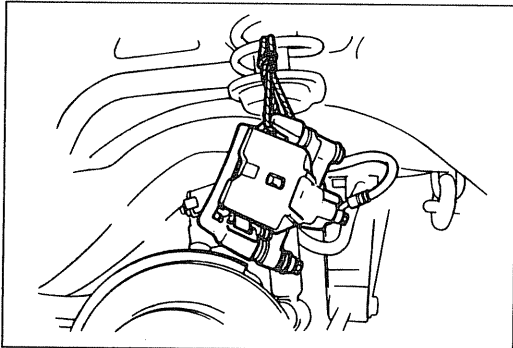
#### PREPARATION SST

49 0118 850C Puller, ball joint 	For removal of tie-rod end	49 G033 1A1 Puller set, wheel hub 	For removal and installation of front wheel hub
49 G033 102 Handle (Part of 49 G033 1A1) 	For removal and installation of front wheel hub	49 G033 104 Body (Part of 49 G033 1A1) 	For removal and installation of front wheel hub
49 G033 105 Attachment (Part of 49 G033 1A1) 	For removal and installation of front wheel hub	49 G033 106 Attachment (Part of 49 G033 1A1) 	For removal and installation of front wheel bearing
49 G033 107 Install, dust cover 	For assembly of front axle	49 H026 103 Support block 	For assembly of front axle
49 G030 797 Handle (Part of 49 G030 795) 	For removal and installation of wheel bearing	49 F027 007 Attachment 72 	For assembly of front axle
49 V001 795 Installer, oil seal 	For installation of oil seal		

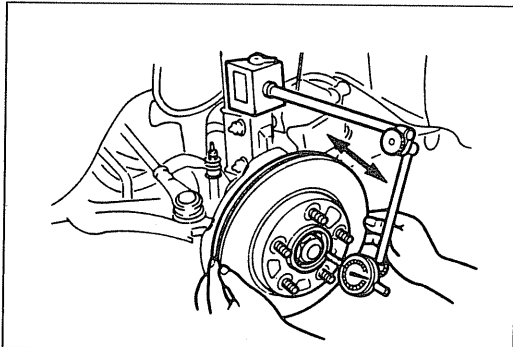
06U0MX-005



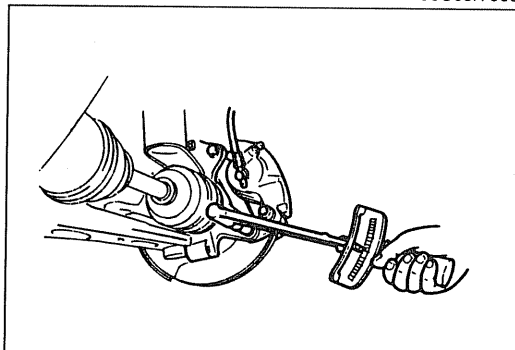
06U0MX-006



69G09X-012



96U09X-005



86U09X-008

**WHEEL HUB, STEERING KNUCKLE****Preinspection****Wheel bearing play**

1. Jack up the vehicle and support it with safety stands.
2. Check that there is no abnormal noise and that the tire rotates smoothly when rotated by hand.

3. Remove the wheel.
4. Remove the caliper assembly and suspend it using a rope.

5. Position a dial indicator against the wheel hub, then push and pull the disc plate by hand in the axial direction and measure the end play of the wheel bearing. If the end play exceeds specification, replace the wheel bearing.

**Maximum end play: 0.2mm (0.0079 in)**

6. Install the caliper assembly.

**Tightening torque:**

**78—98 N·m (8.0—10.0 m·kg, 58—72 ft·lb)**

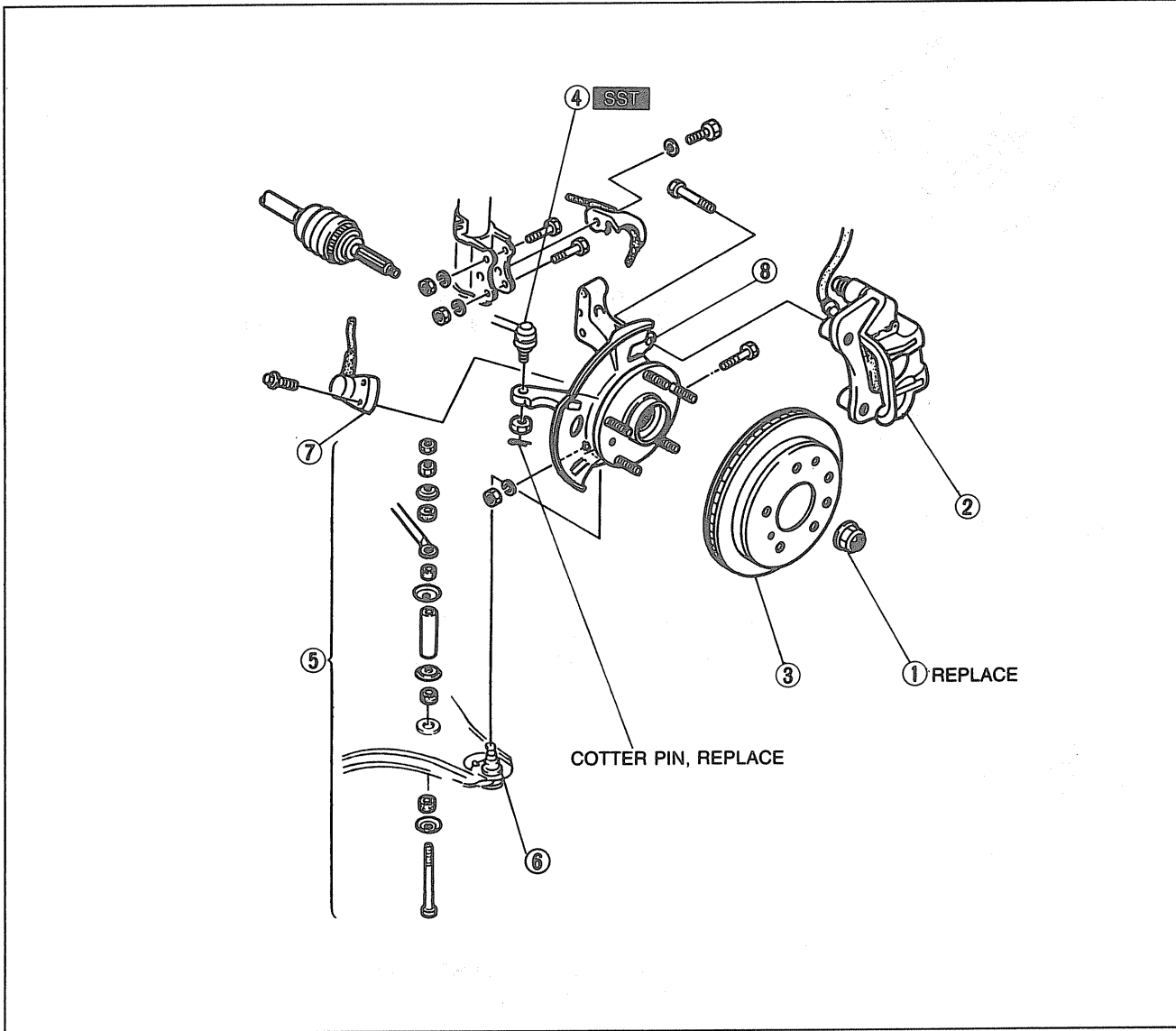
7. Install the wheel.

**Tightening torque:**

**88—118 N·m (9.0—12.0 m·kg, 65—87 ft·lb)**

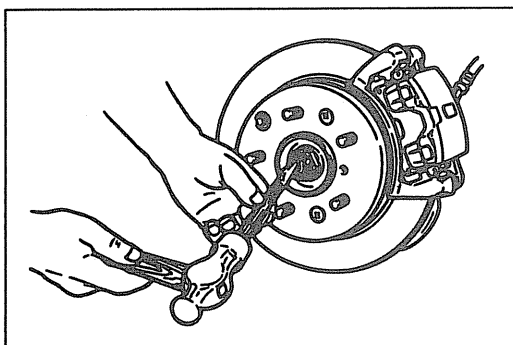
**Removal**

Remove in the order shown in the figure, referring to **Removal Note**.



06U0MX-007

- |                                     |          |   |          |
|-------------------------------------|----------|---|----------|
| 1. Locknut<br>Removal.....          | page M-6 | 5. Stabilizer<br>Removal.....               | page M-7 |
| 2. Caliper assembly<br>Removal..... | page M-7 | 6. Lower arm<br>Removal.....                | page M-7 |
| 3. Disc plate<br>Removal.....       | page M-7 | 7. Wheel speed sensor (ABS)<br>Removal..... | page M-7 |
| 4. Tie-rod end<br>Removal.....      | page M-7 | 8. Knuckle<br>Removal.....                  | page M-7 |

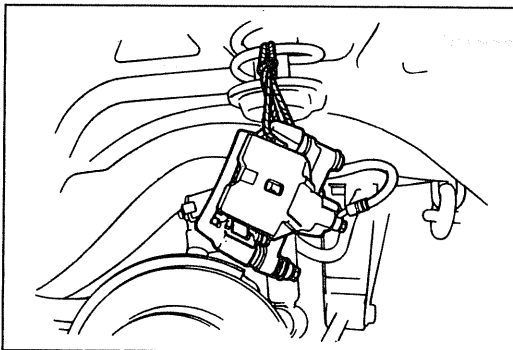


06U0MX-008

**Removal note**

**Locknut**

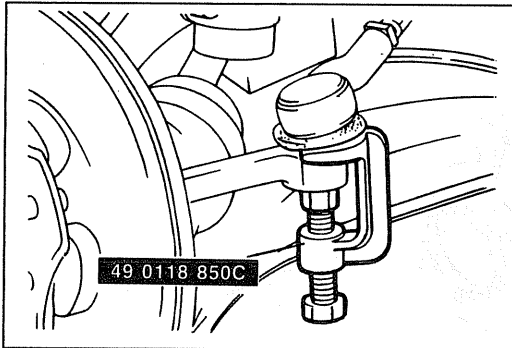
1. Uncrimp the tab of the locknut.



86U09X-011

**Caliper assembly**

Remove the caliper assembly and suspend it.

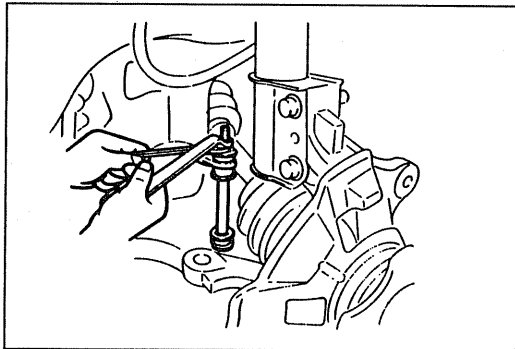


49 0118 850C

86U09X-012

**Tie-rod end**

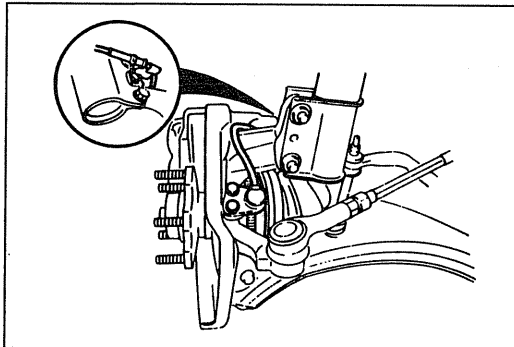
Disconnect the tie-rod end with the **SST**.



86U09X-013

**Stabilizer**

Remove the stabilizer bolt.



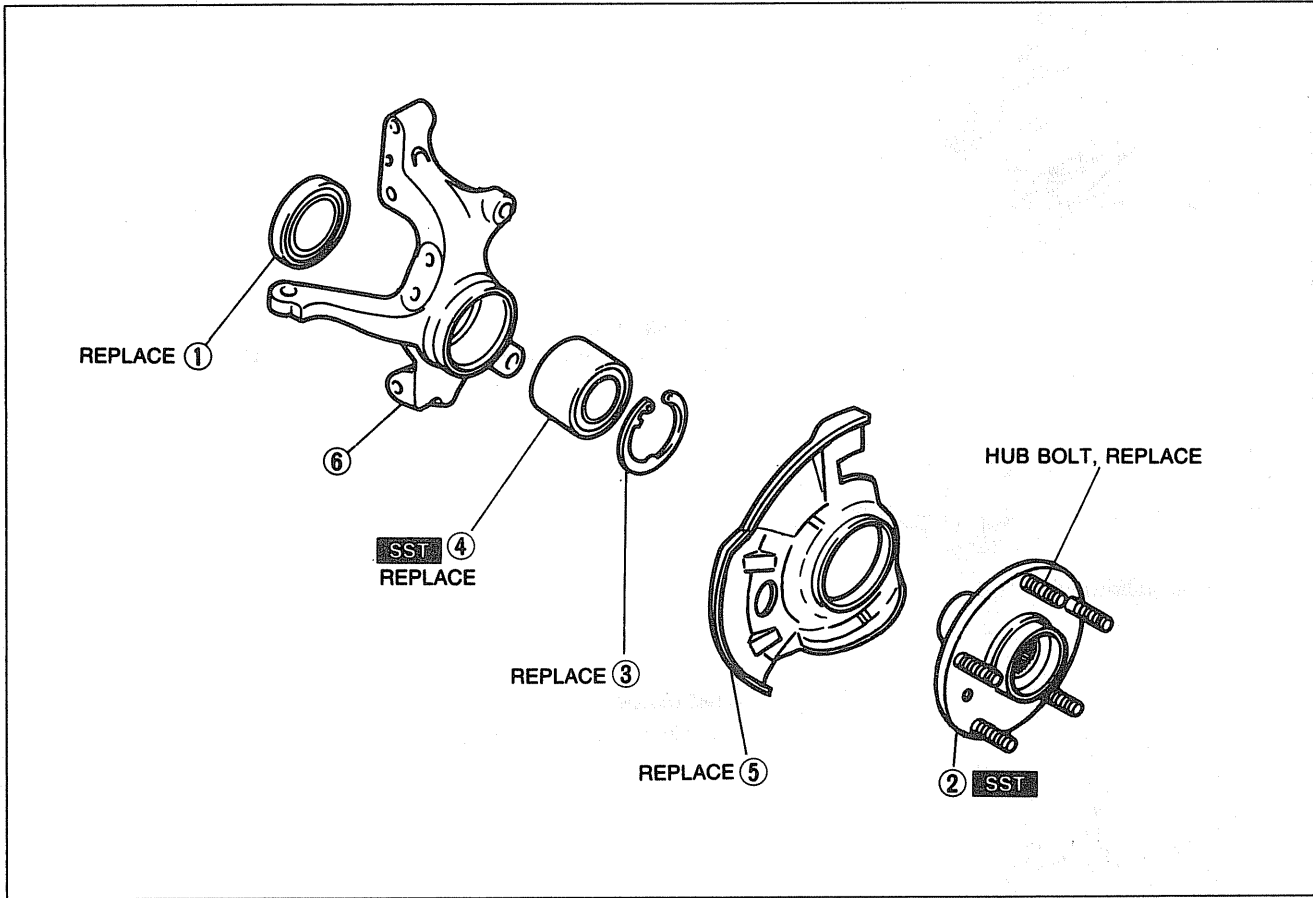
86U09X-014

**Wheel speed sensor (ABS)**

Remove the speed sensor.

**Disassembly**

Disassemble in the order shown in the figure, referring to **Disassembly Note**.



06U0MX-009

1. Oil seal

2. Front wheel hub

Removal ..... page M-8

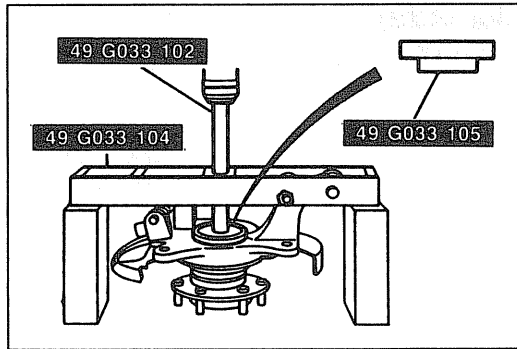
3. Retaining ring

4. Front wheel bearing

Removal ..... page M-9

5. Dust cover

6. Knuckle

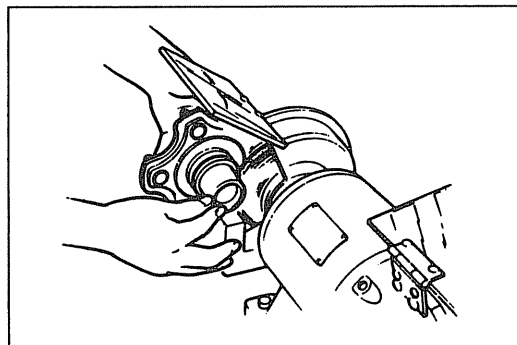


06U0MX-010

**Disassembly note**

**Front wheel hub**

Remove the front wheel hub with the **SST**.

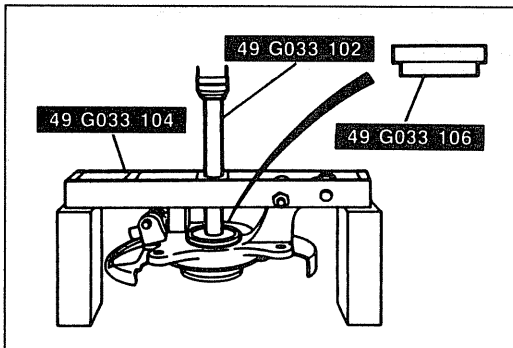


86U09X-086

**Note**

- If the bearing inner race remains on the front wheel hub, grind a section of the bearing inner race to approx. 0.5mm (0.0197 in). Then remove it with a chisel.

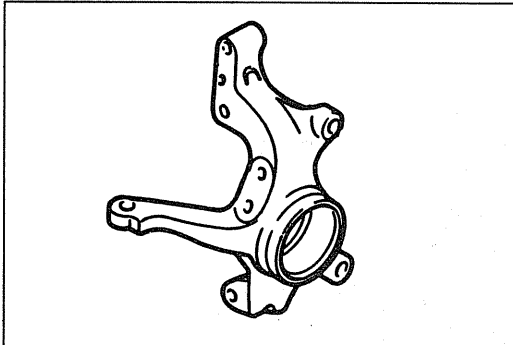




86U09X-016

**Front wheel bearing**

Remove the front wheel bearing with the **SST**.

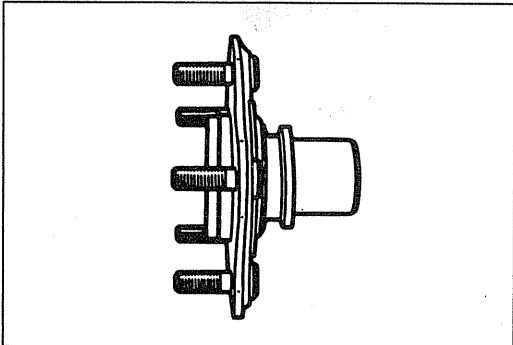


06U0MX-011

**Inspection**

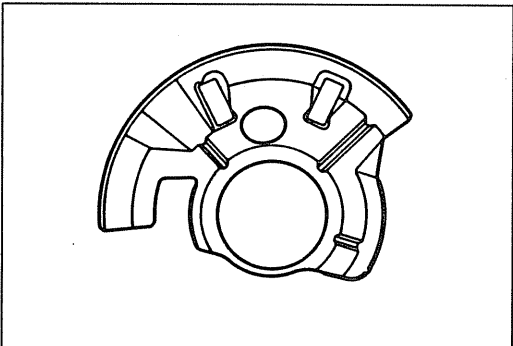
Check as described below, replace parts if necessary.

1. Check the knuckle for cracks or damage.



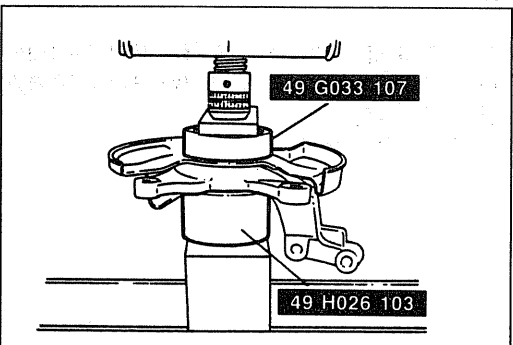
86U09X-098

2. Check the front wheel hub for seizure, cracks or damage.



69G09X-084

3. Check the dust cover for cracks or damage.



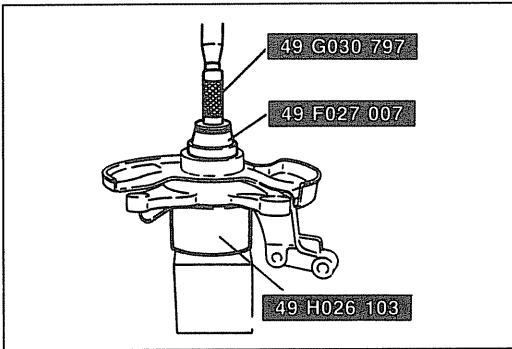
06U0MX-012

**Assembly**

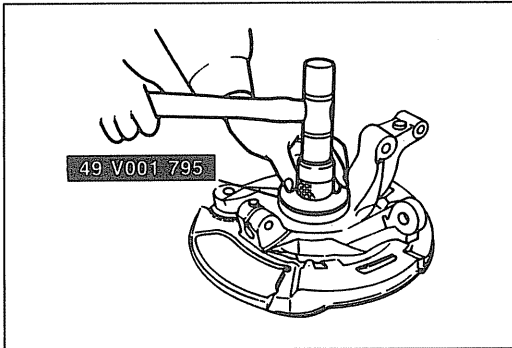
1. Install new hub bolts. (If applicable)

2. Install a new dust cover with the **SST**.

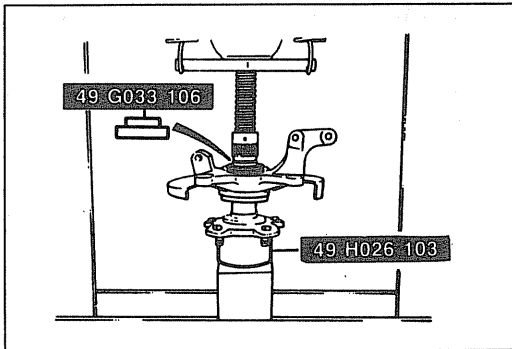




86U09X-018



86U09X-019



86U09X-020

3. Install a new front wheel bearing with the **SST**.

4. Install the retaining ring.

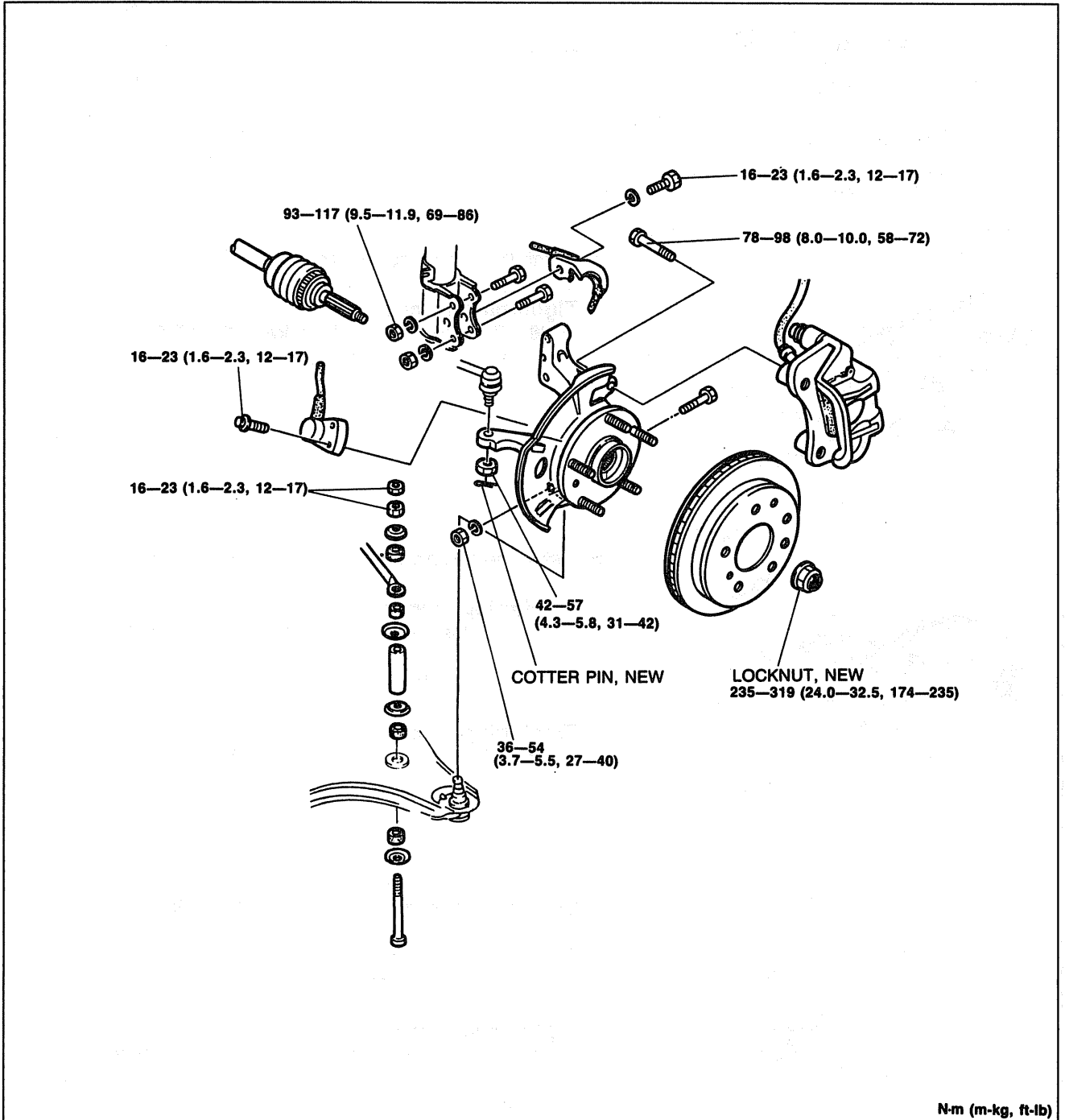
5. Install a new oil seal with the **SST**.

**Note**

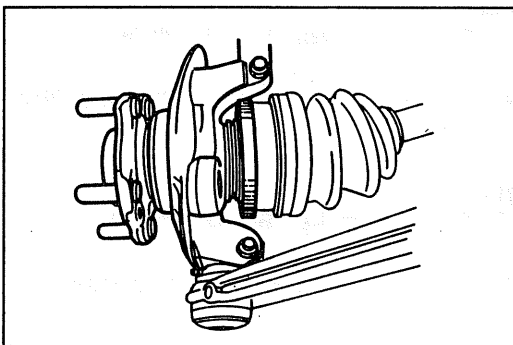
- Apply grease to the oil seal lip.

6. Install the front wheel hub with the **SST**.

## Installation Torque Specifications



06U0MX-013



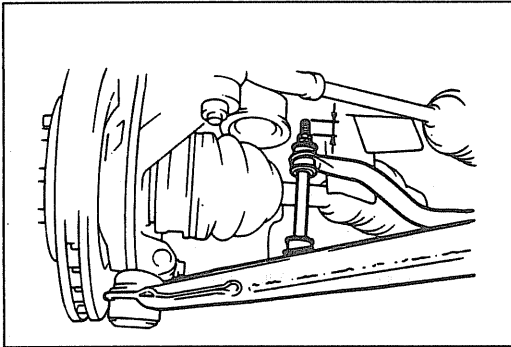
16U0MX-021

1. Loosely tighten the knuckle to the shock absorber when installing.
2. Install the lower arm ball-joint.

### Tightening torque:

**36-54 N·m (3.7-5.5 m·kg, 27-40 ft·lb)**

3. Install the driveshaft.



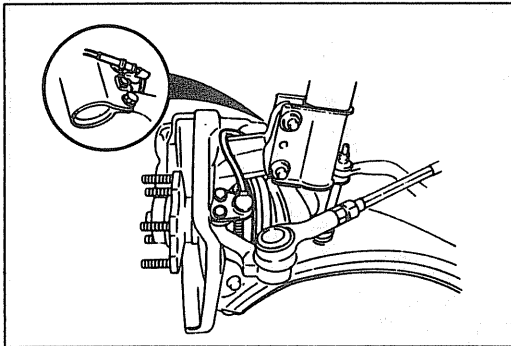
96U09X-017

4. Install the stabilizer.

**Dimension: 18.1—22.1mm (0.72—0.87 in)**

**Tightening torque:**

**16—23 N·m (1.6—2.3 m·kg, 12—17 ft·lb)**

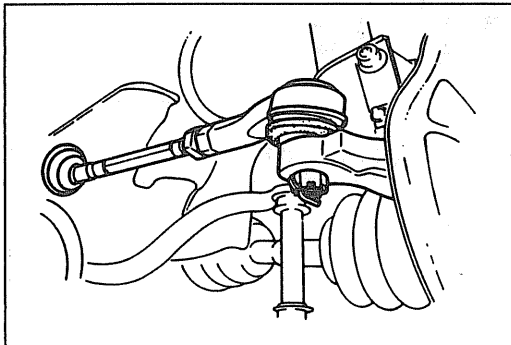


86U09X-024

5. Install the wheel speed sensor. (ABS)

**Tightening torque:**

**16—23 N·m (1.6—2.3 m·kg, 12—17 ft·lb)**



16U0MX-002

6. Install the tie-rod ends and new cotter pins.

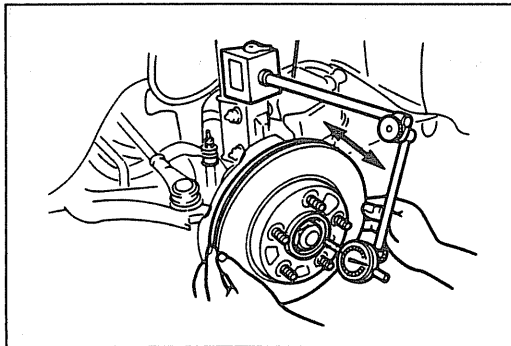
**Tightening torque:**

**42—57 N·m (4.3—5.8 m·kg, 31—42 ft·lb)**

7. Install a new wheel hub locknut.

**Tightening torque:**

**235—319 N·m (24.0—32.5 m·kg, 174—235 ft·lb)**



16U0MX-022

8. Check the end play. (Refer to page M-5.)

**Maximum end play: 0.2mm (0.0079 in)**

9. Stake the locknut to groove.

10. Install the caliper assembly.

**Tightening torque:**

**78—98 N·m (8.0—10.0 m·kg, 58—72 ft·lb)**

11. Install the wheel.

**Tightening torque:**

**88—118 N·m (9.0—12.0 m·kg, 65—87 ft·lb)**

12. Lower the vehicle and install the knuckle to the specified torques with the vehicle unladen.


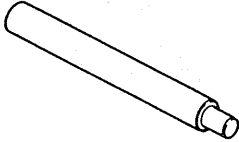

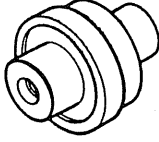
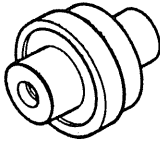
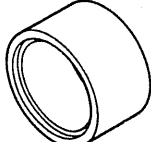
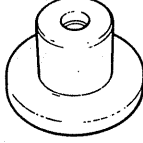
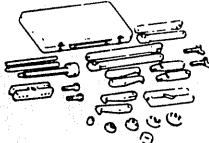
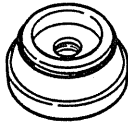
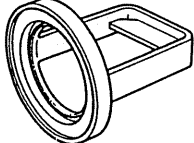
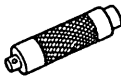
**Tightening torque:**

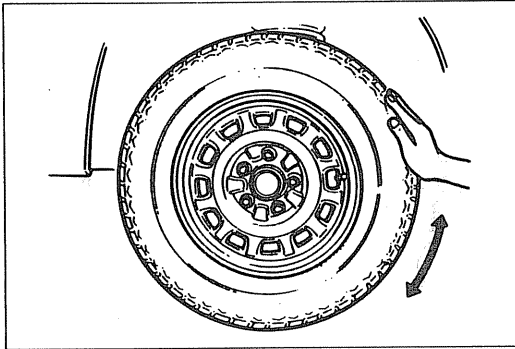
**93—117 N·m (9.5—11.9 m·kg, 69—86 ft·lb)**

13. Inspect front wheel alignment and adjust it as necessary.

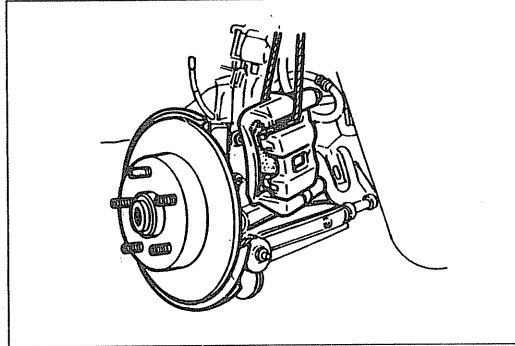
REAR AXLE

PREPARATION  
SST

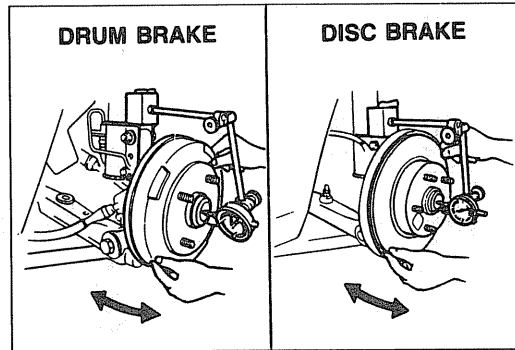
<p>49 0259 770B Wrench, flare nut</p> 	<p>For removal and installation of brake pipe</p>	<p>49 G033 102 Handle</p> 	<p>For removal and installation of rear wheel bearing</p>
<p>49 G026 101 Replacer, bearing</p> 	<p>For removal of rear wheel bearing</p>	<p>49 G026 102 Replacer, bearing</p> 	<p>For assembly of rear wheel bearing</p>
<p>49 G026 103 Support block</p> 	<p>For removal of rear wheel bearing</p>	<p>49 H026 103 Support, block</p> 	<p>For assembly of rear wheel bearing</p>
<p>49 F026 102 Installer, bearing</p> 	<p>For installation of oil seal</p>	<p>49 0839 425C Puller set, bearing</p> 	<p>For removal of sensor rotor (ABS)</p>
<p>49 F027 007 Attachment for bearing <math>\phi 72</math></p> 	<p>For removal of sensor rotor (ABS)</p>	<p>49 H026 101A Sensor rotor installer</p> 	<p>For installation of sensor rotor (ABS)</p>
<p>49 G030 797 Handle</p> 	<p>For installation of rear wheel bearing</p>	<p>16U0MX-012</p>	



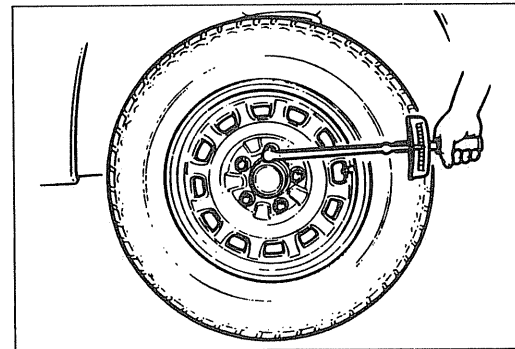
06U0MX-016



96U09X-008



96U09X-501



86U09X-029

### Preinspection Wheel Bearing Play

1. Jack up the vehicle and support it with safety stands.
2. Check that there is no abnormal noise and that the tire rotates smoothly when rotated by hand.

3. Remove the wheel.
4. Remove the caliper assembly and suspend it using a rope. (Disc)

5. Position a dial indicator against the hub cap, then push and pull the disc plate or brake drum by hand in the axial direction and measure the end play of the wheel bearing. If the end play exceeds specification, replace the wheel bearing.

**Maximum end play: 0.2mm (0.0079 in)**

6. Install the caliper assembly. (Disc)

**Tightening torque:**  
45—67 N·m (4.6—6.8 m·kg, 33—49 ft·lb)

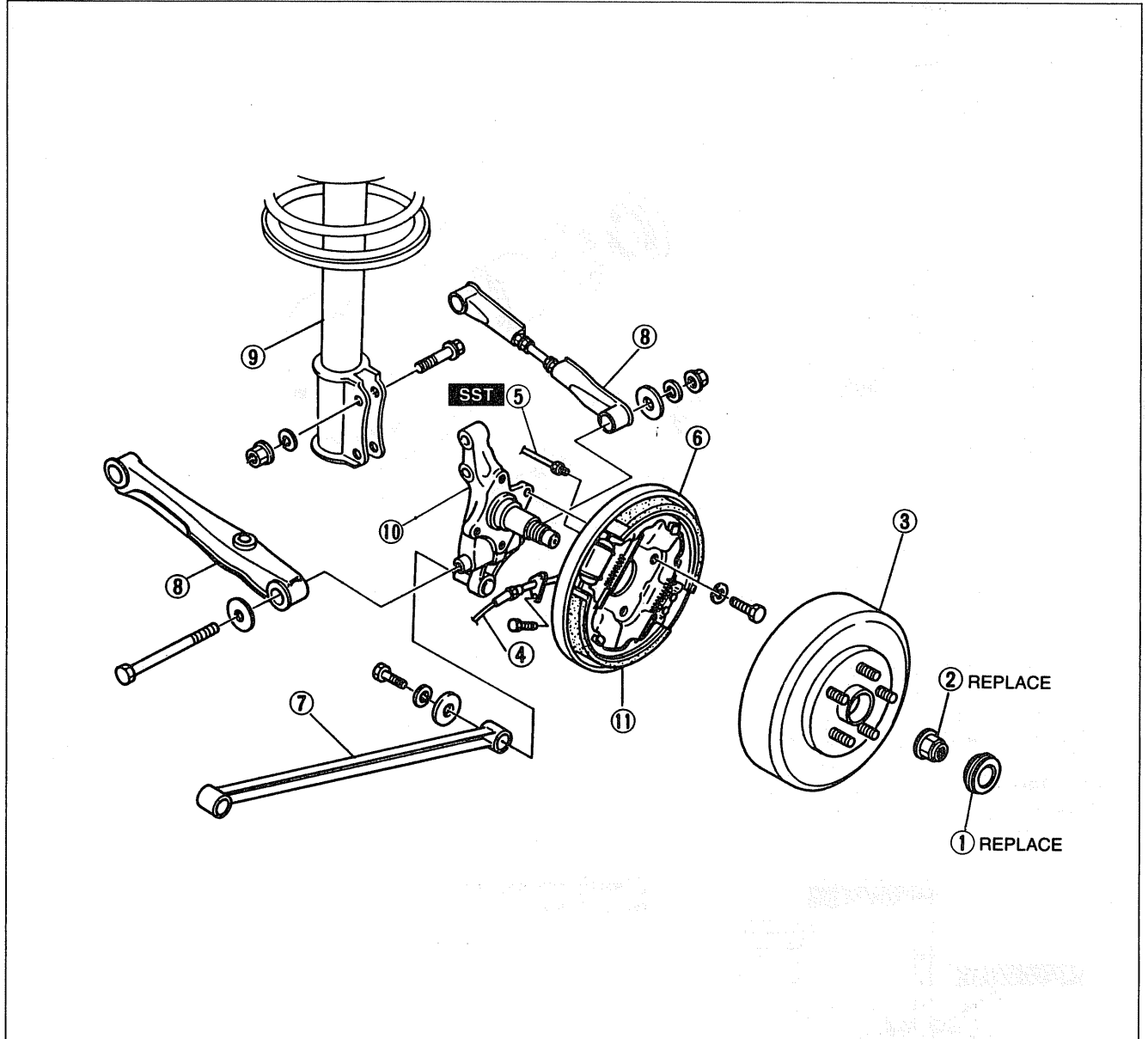
7. Install the wheel.

**Tightening torque:**  
88—118 N·m (9.0—12.0 m·kg, 65—87 ft·lb)

**DRUM BRAKE TYPE**

**Removal**

Remove in the order shown in the figure, referring to **Removal Note**.

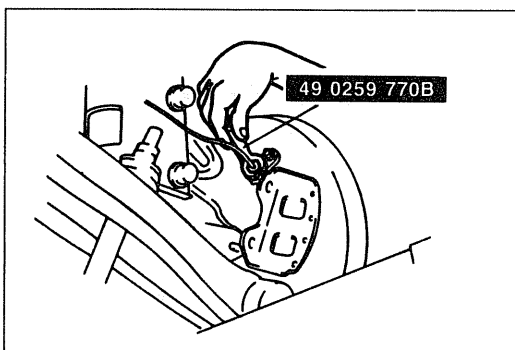


06U0MX-017

- 1. Hub cap
- 2. Locknut
- 3. Brake drum
- 4. Parking brake cable

- 5. Brake pipe  
Removal ..... page M-15
- 6. Back plate
- 7. Trailing link

- 8. Lateral link
- 9. Shock absorber
- 10. Knuckle spindle
- 11. Brake shoe assembly



06U0MX-018

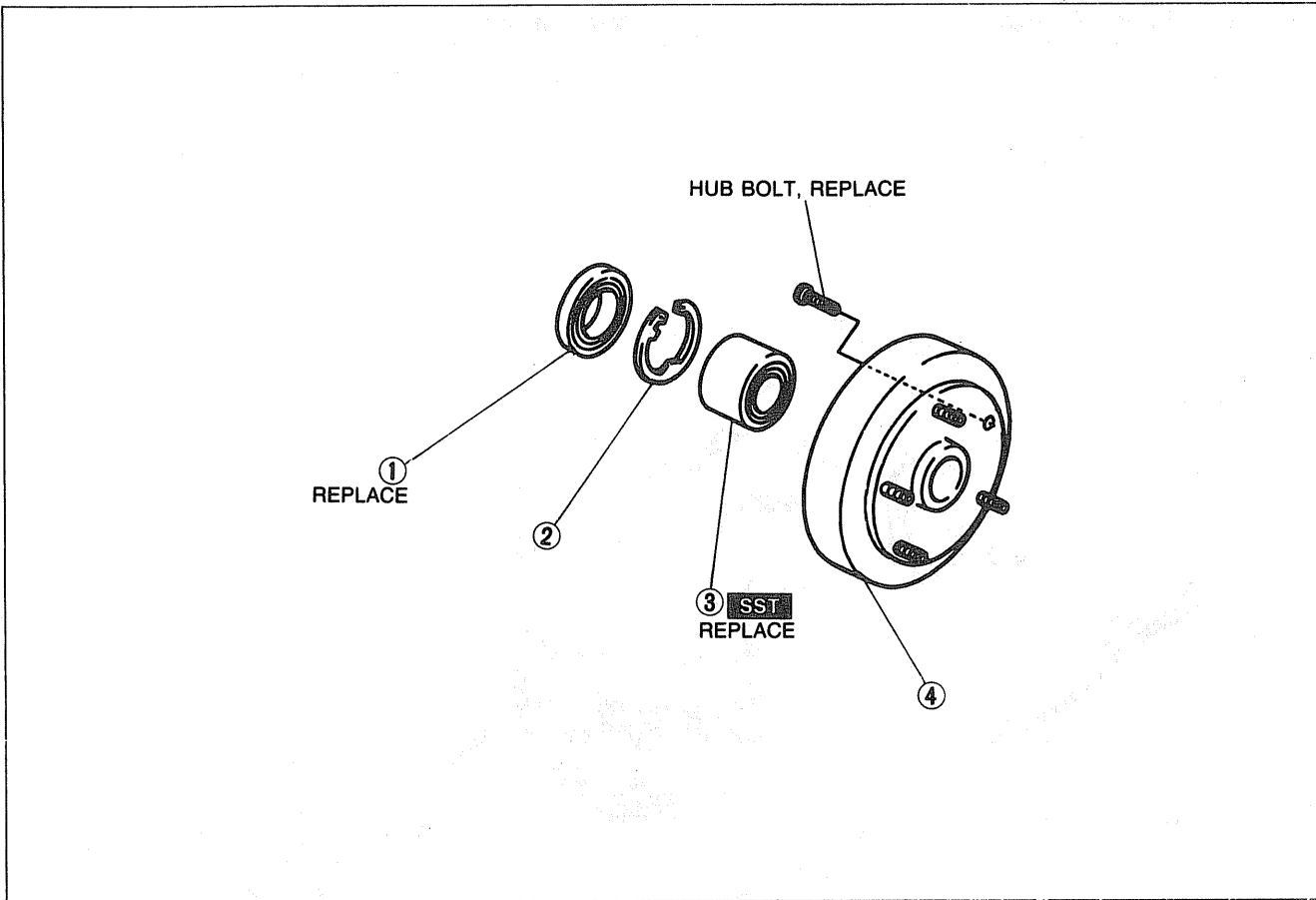
**Removal note**

**Brake pipe**

Disconnect the brake pipe with the **SST**.

**Disassembly**

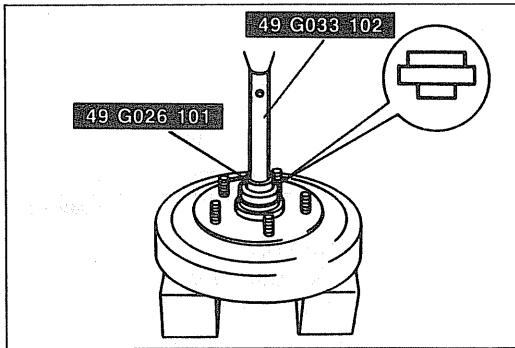
Disassemble in the order shown in the figure, referring to **Disassembly Note**.



06U0MX-019

- 1. Oil seal
- 2. Retaining ring

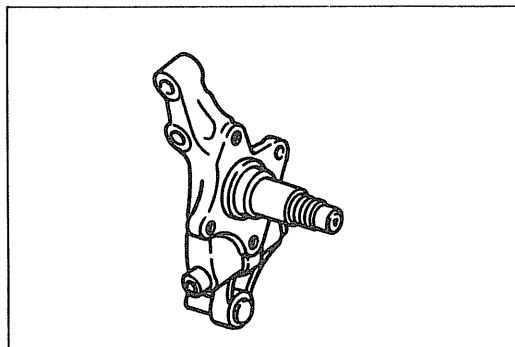
- 3. Rear wheel bearing  
Removal..... page M-16
- 4. Brake drum



06U0MX-020

**Disassembly note**  
**Rear wheel bearing**

Remove the rear wheel bearing with the **SST**.

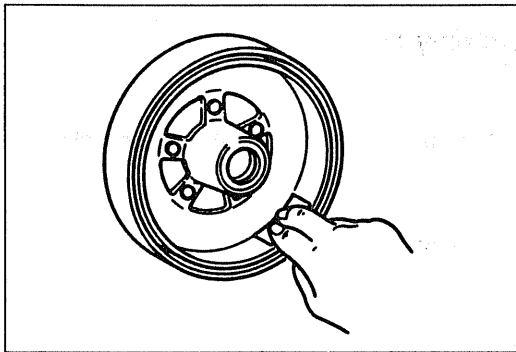


06U0MX-021

**Inspection**  
**Knuckle Spindle**

- 1. Cracks or damage.
- 2. Wear or rust on the oil seal contact surface.





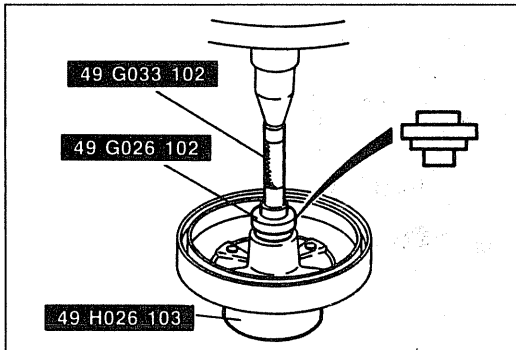
61G09X-036

**Brake Drum**

Wear or damage to brake drum.

**Note**

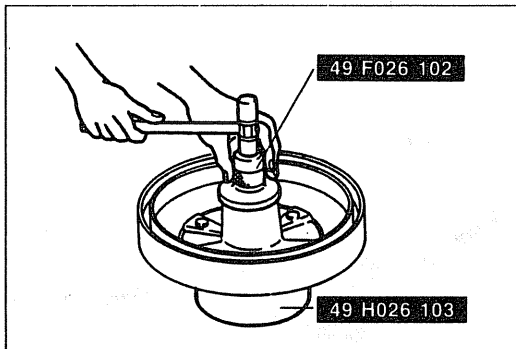
- Remove minor rust with sandpaper



06U0MX-022

**Assembly**

1. Install a new rear wheel bearing with the **SST**.



86U09X-036

2. Install the retaining ring.
3. Install a new oil seal with the **SST**.

**Note**

- Apply grease to the oil seal lip.

### Installation

1. Install in the reverse order of removal, referring to **Installation Note**.

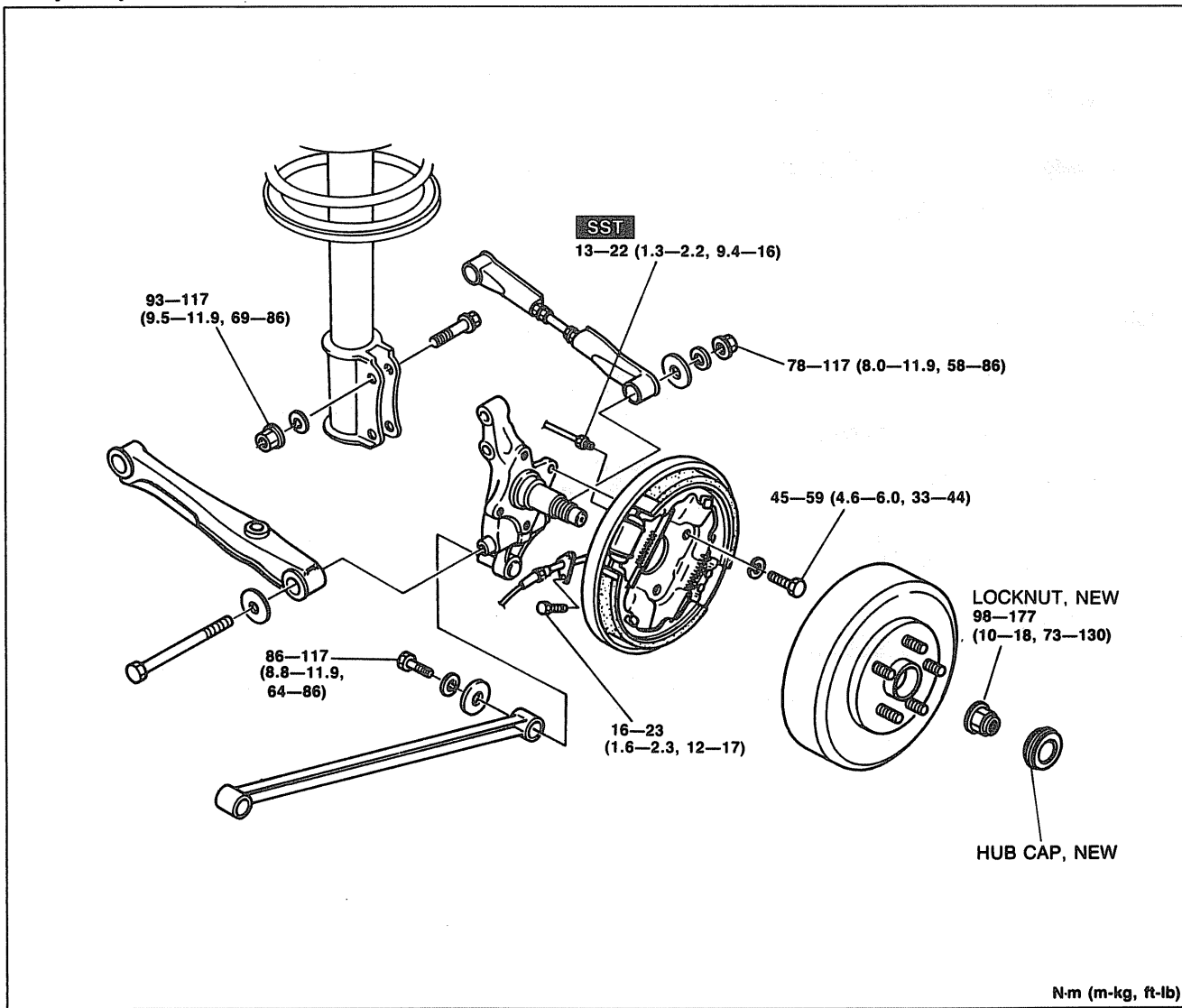
### Caution

- Loosely tighten the knuckle and the lateral links when installing. Lower the vehicle and tighten nuts and bolts to the specified torques with the vehicle unladen.

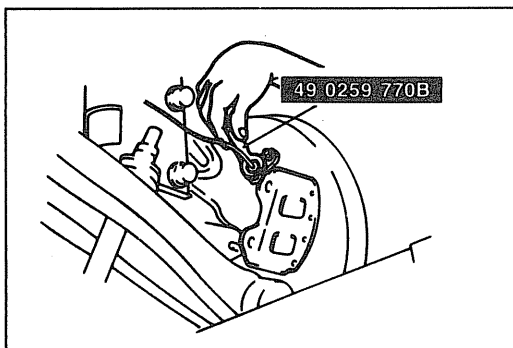
2. After installation, adjust the parking brake lever stroke. (Refer to Section P.)

3. Inspect rear wheel alignment and adjust it as necessary.

### Torque Specifications



16U0MX-023



06U0MX-024

### Installation note

#### Brake pipe

1. Connect the brake pipe with the **SST**.

#### Tightening torque:

13-22 N-m (1.3-2.2 m-kg, 9.4-16 ft-lb)

2. Bleed the air. (Refer to Section P.)

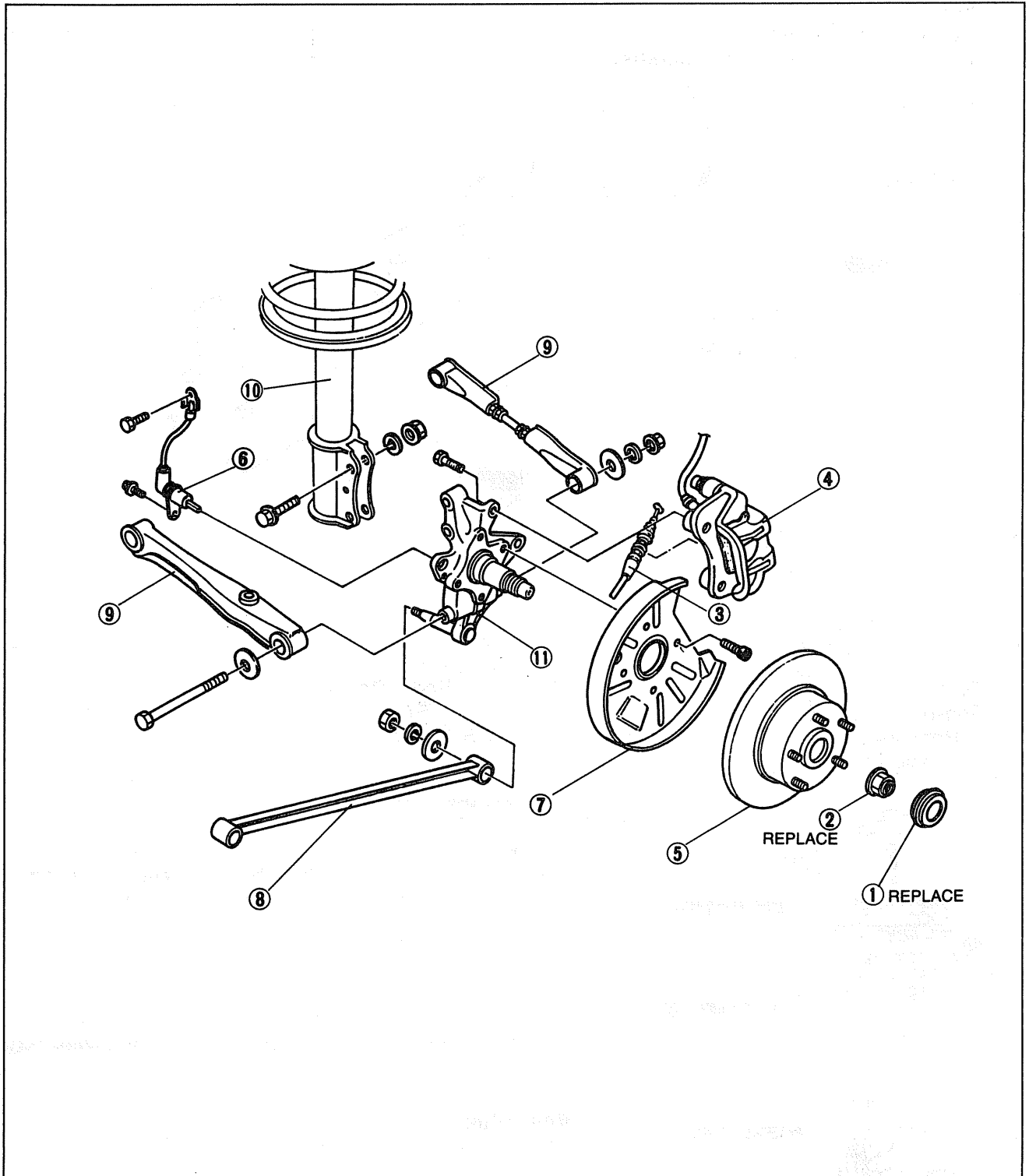
#### End play

Measure the end play. (Refer to page M-14.)

**DISC BRAKE**

**Removal**

Remove in the order shown in the figure.



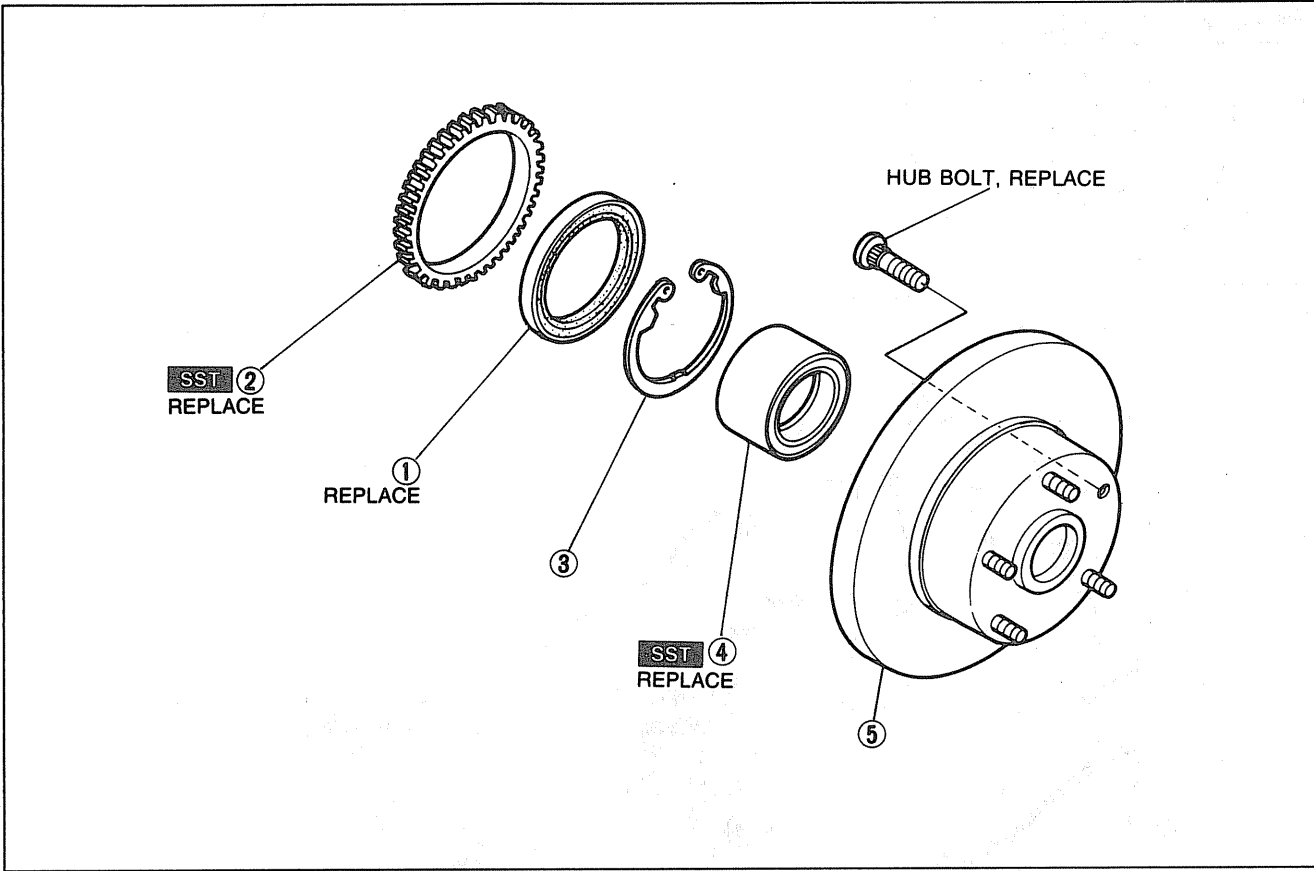
16U0MX-013

- 1. Hub cap
- 2. Locknut
- 3. Parking brake cable
- 4. Caliper assembly
- 5. Disc plate
- 6. Wheel speed sensor (ABS)

- 7. Dust cover
- 8. Trailing link
- 9. Lateral link
- 10. Shock absorber
- 11. Knuckle spindle

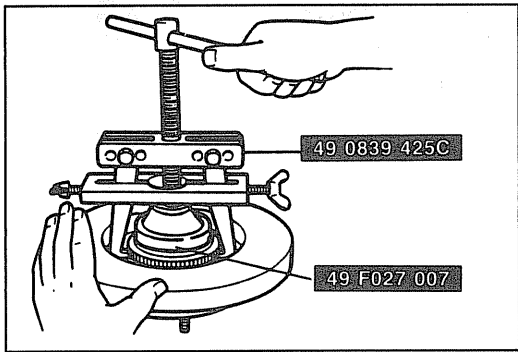
**Disassembly**

Disassemble in the order shown in the figure, referring to **Disassembly Note**.



16U0MX-014

- |                        |                        |
|------------------------|------------------------|
| 1. Oil seal            | 4. Rear wheel bearing  |
| 2. Sensor rotor (ABS)  | Removal..... page M-20 |
| Removal..... page M-20 | 5. Disc plate          |
| 3. Retaining ring      |                        |



06U0MX-029

**Disassembly note**

**Note**

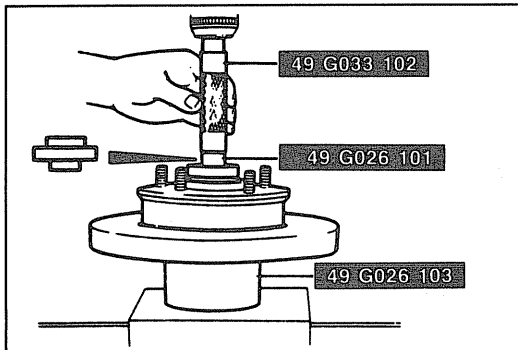
- Do not remove the hub bolts unless necessary.
- Do not reuse the hub bolts if removed.

**Sensor rotor (ABS)**

Remove the sensor rotor with the SST.

**Note**

- Do not remove the sensor rotor unless necessary.
- Do not reuse the sensor rotor if removed.



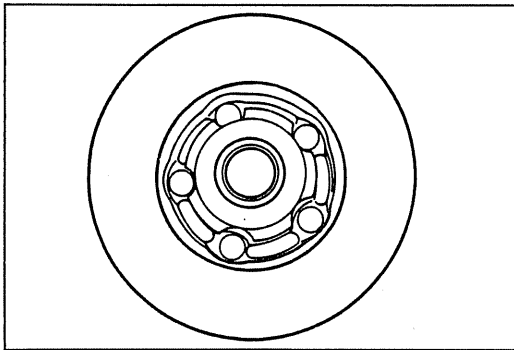
86U09X-085

**Rear wheel bearing**

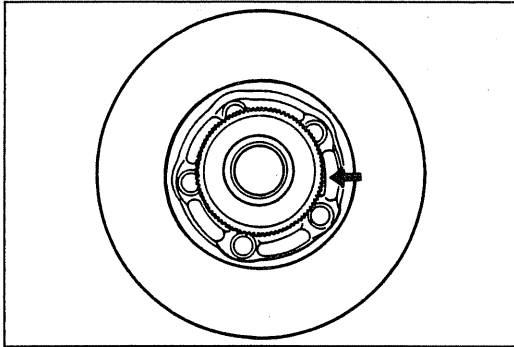
Remove the rear wheel bearing with the SST.

**Note**

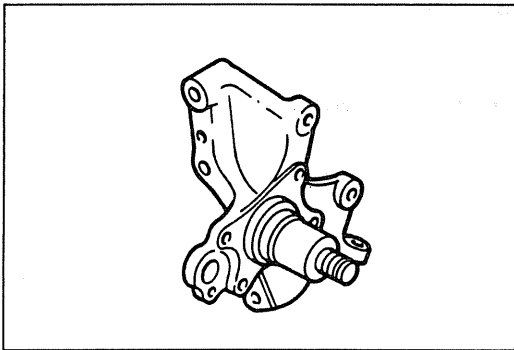
- Do not reuse the rear wheel bearing if removed.



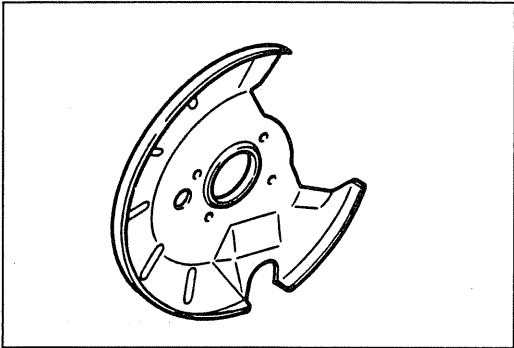
06U0MX-030



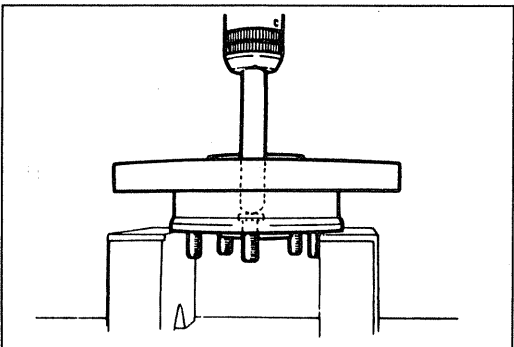
69G09X-029



86U09X-043



06U0MX-031



86U09X-045

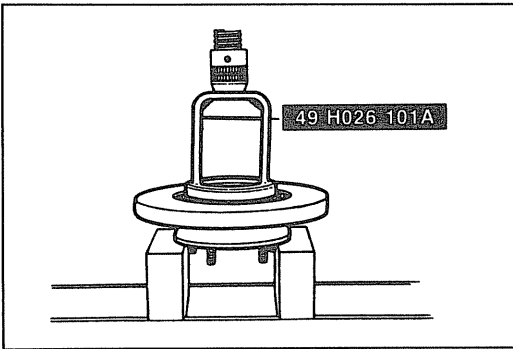
**Inspection**

Check as described below, replace parts if necessary.

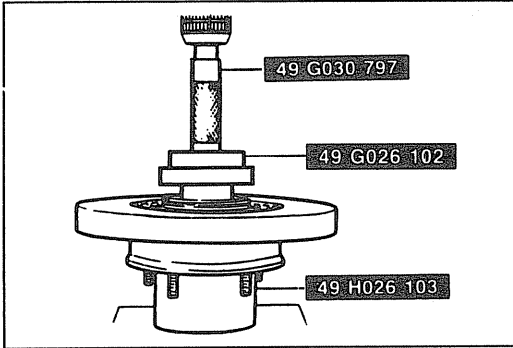
1. Check the hub for cracks or damage.
2. Check the sensor rotor for cracks or damage.
3. Check the knuckle spindle for cracks or damage, and the oil seal friction surface for wear or rust.
4. Check the dust cover for damage.
5. Check the hub cap for damage.

**Assembly**

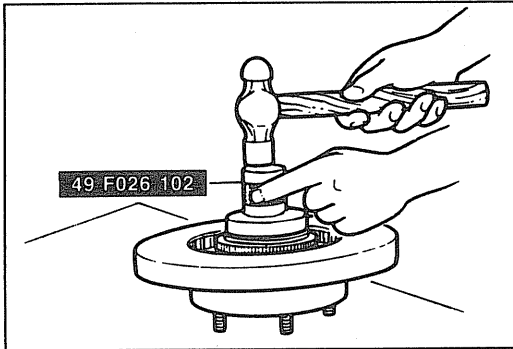
1. Install new hub bolts.



86U09X-046



86U09X-047



86U09X-048

2. Install a new sensor rotor with the **SST**. (ABS)

3. Install a new rear wheel bearing with the **SST**.  
4. Install the retaining ring.

5. Install a new oil seal with the **SST**.

**Note**

- Apply grease to the oil seal lip.

## Installation

1. Install in the reverse order of removal, referring to **Installation Note**.

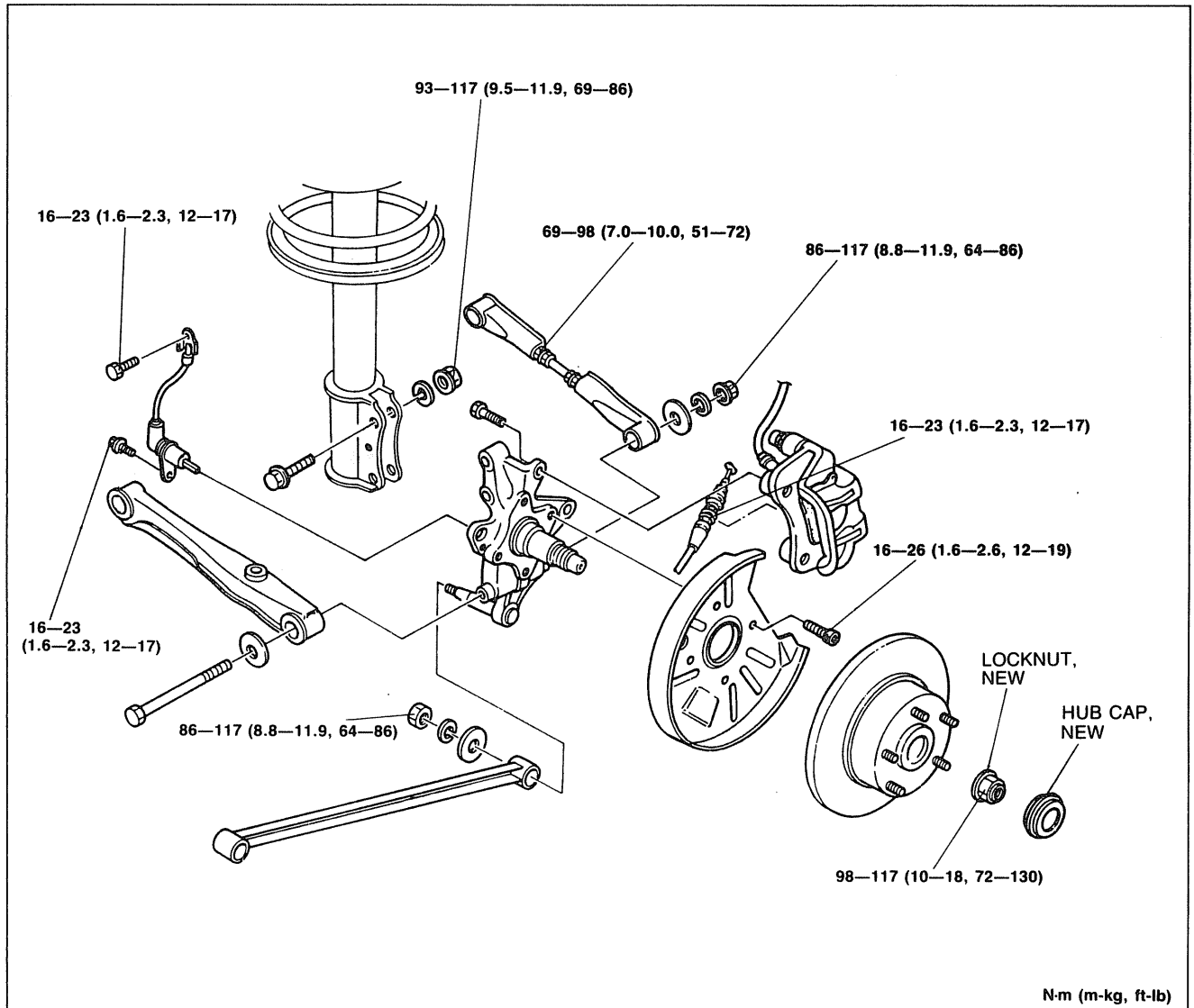
### Caution

- Loosely tighten the knuckle and the lateral links when installing. Lower the vehicle and tighten nuts and bolts to the specified torques with the vehicle unladen.

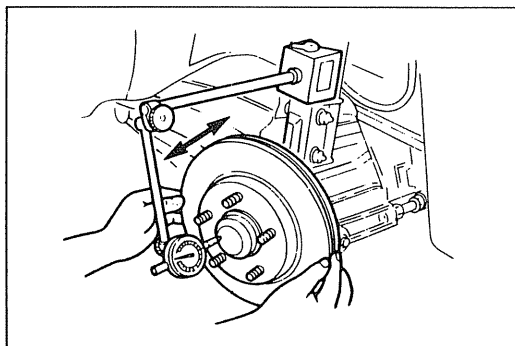
2. After installation, adjust the parking brake lever stroke. (Refer to Section P.)

3. Inspect rear wheel alignment and adjust it as necessary.

## Torque Specifications



16U0MX-015



06U0MX-033

### Installation note

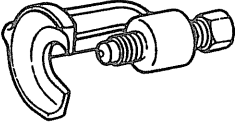
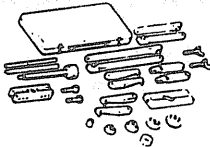
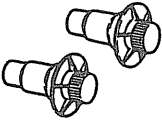
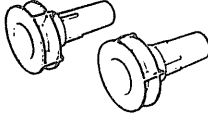
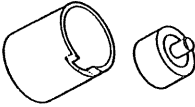
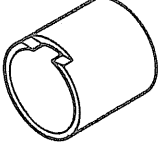
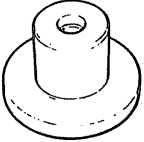
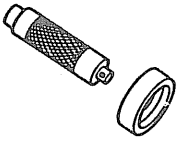
#### End play

Measure the end play. (Refer to page M-14.)

**Maximum end play: 0.2mm (0.0079 in)**

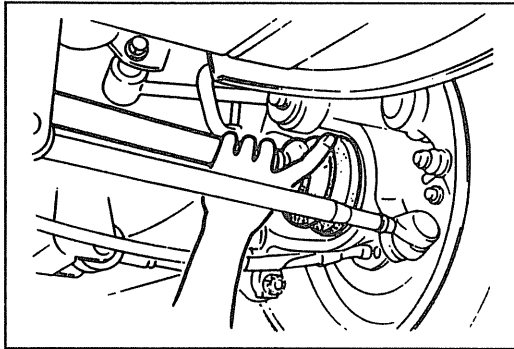
### DRIVESHAFT

#### PREPARATION SST

<p>49 0118 850C Puller, ball joint</p> 	<p>For removal of tie-rod end</p>	<p>49 0839 425C Puller set, bearing</p> 	<p>For removal of front wheel hub</p>
<p>49 G030 455 Holder, diff. side gear</p> 	<p>For holding diff. side gear</p>	<p>49 G027 003 Holder, diff. side gear</p> 	<p>For holding diff. side gear</p>
<p>49 H034 2A0 Lower arm bushing puller &amp; installer</p> 	<p>For support of bracket</p>	<p>49 H034 201 Support block (Part of 49 H034 2A0)</p> 	<p>For support of bracket</p>
<p>49 F026 102 Installer, bearing</p> 	<p>For removal of bearing and rear oil seal</p>	<p>49 G030 795 Installer, oil seal</p> 	<p>For installation of front oil seal and bearing</p>

06U0MX-036

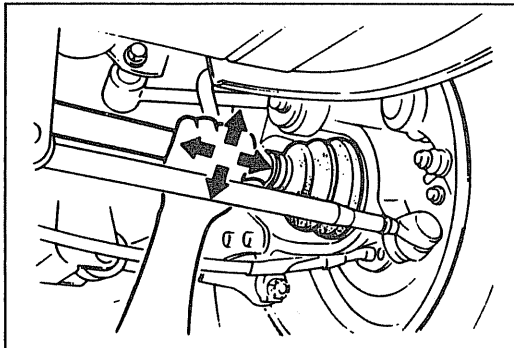




06U0MX-037

**DRIVESHAFT DOUBLE OFFSET JOINT, DRIVESHAFT  
TRIPOD JOINT**  
**Preinspection**  
**Boot**

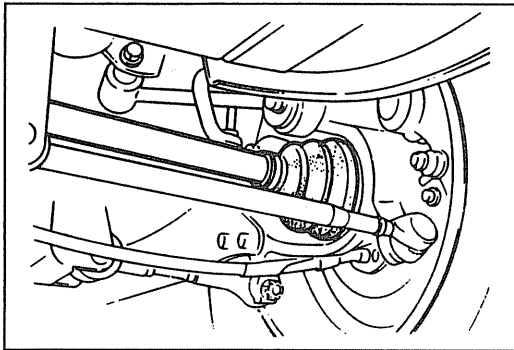
Check the boots on the driveshaft for cracks, damage, grease leakage or loose boot bands. Replace if necessary.



86U09X-089

**Spline Looseness**

Turn the driveshaft by hand and check that the spline and joint are not excessively loose. Replace if necessary.



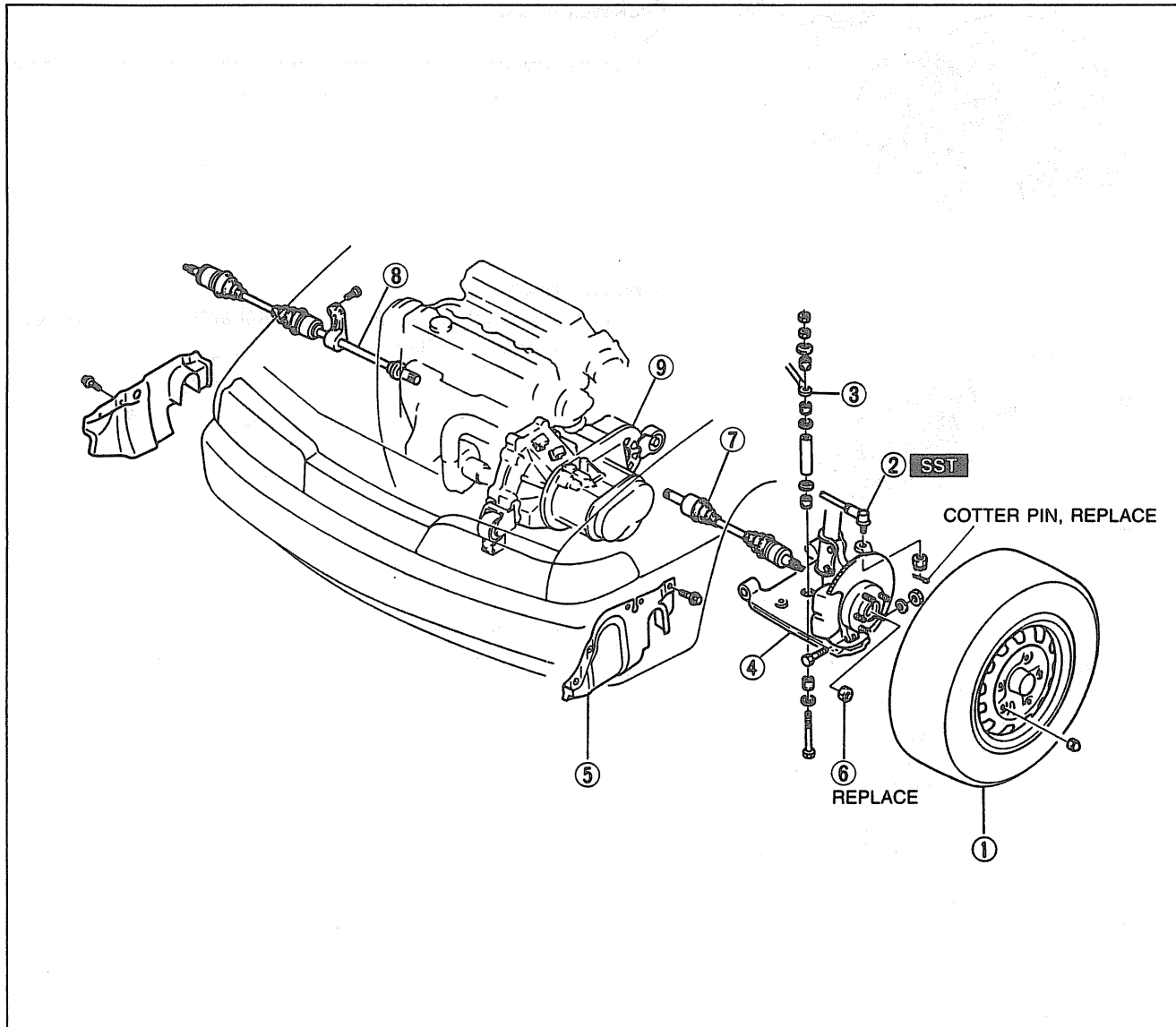
86U09X-090

**Twisted or Cracked**

Check that the driveshaft is not twisted or cracked. Replace if necessary.

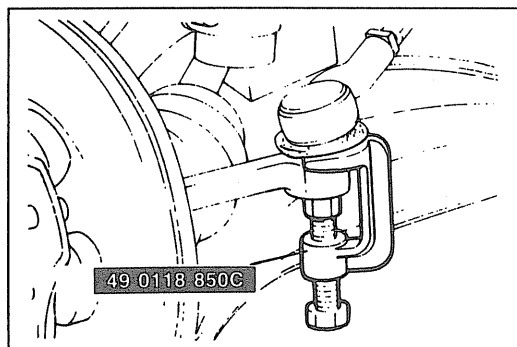
### Removal

Remove in the order shown in the figure, referring to Removal Note.



16U0MX-016

- |                        |                        |
|------------------------|------------------------|
| 1. Wheel               | 6. Locknut             |
| 2. Tie-rod end         | Removal..... page M-27 |
| Removal..... page M-26 | 7. Driveshaft          |
| 3. Stabilizer          | Removal..... page M-27 |
| 4. Lower arm           | 8. Joint shaft         |
| 5. Splash shield       | Removal..... page M-27 |
|                        | 9. Transaxle           |

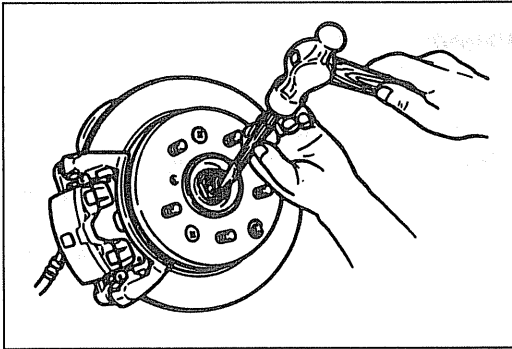


### Removal note

#### Tie-rod end

Disconnect the tie-rod end with the **SST**.

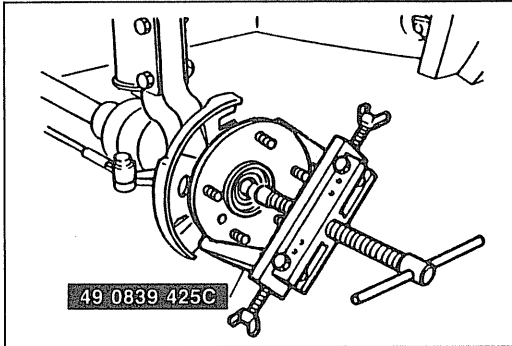
06U0MX-039



16U0MX-003

### Locknut

Applying the brakes, raise the locknut tab and remove the locknut.



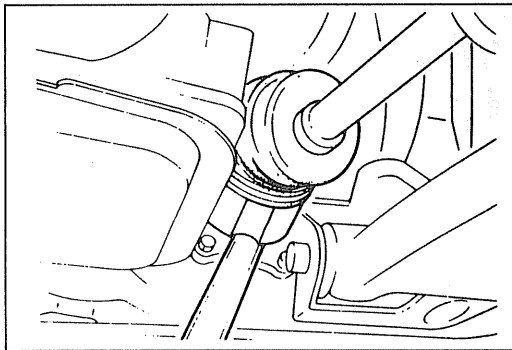
16U0MX-004

### Driveshaft

1. If the driveshaft is stuck to the front wheel hub and can't be removed, use the **SST** to push the shaft out.

#### Note

- Do not damage the boot or the oil seal.

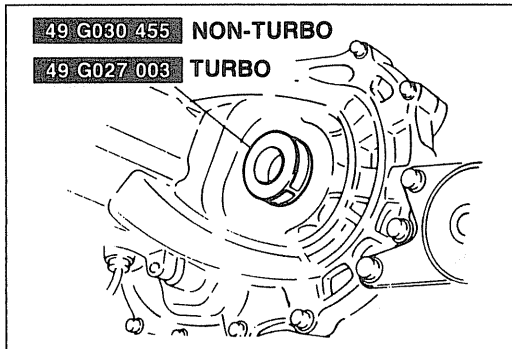


16U0MX-005

2. Disconnect the driveshaft from the transaxle with a prybar.

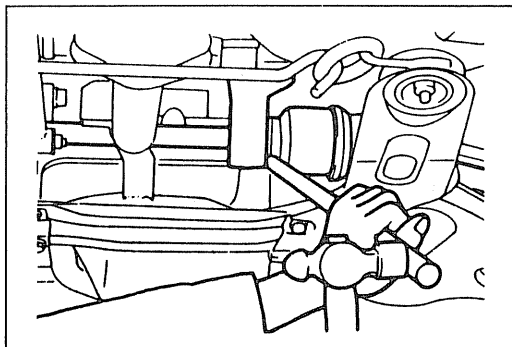
#### Note

- Do not damage the boot or the oil seal.



16U0MX-006

3. Install the **SST** to hold the side gear after removing the driveshaft.



86U09X-056

### Joint shaft

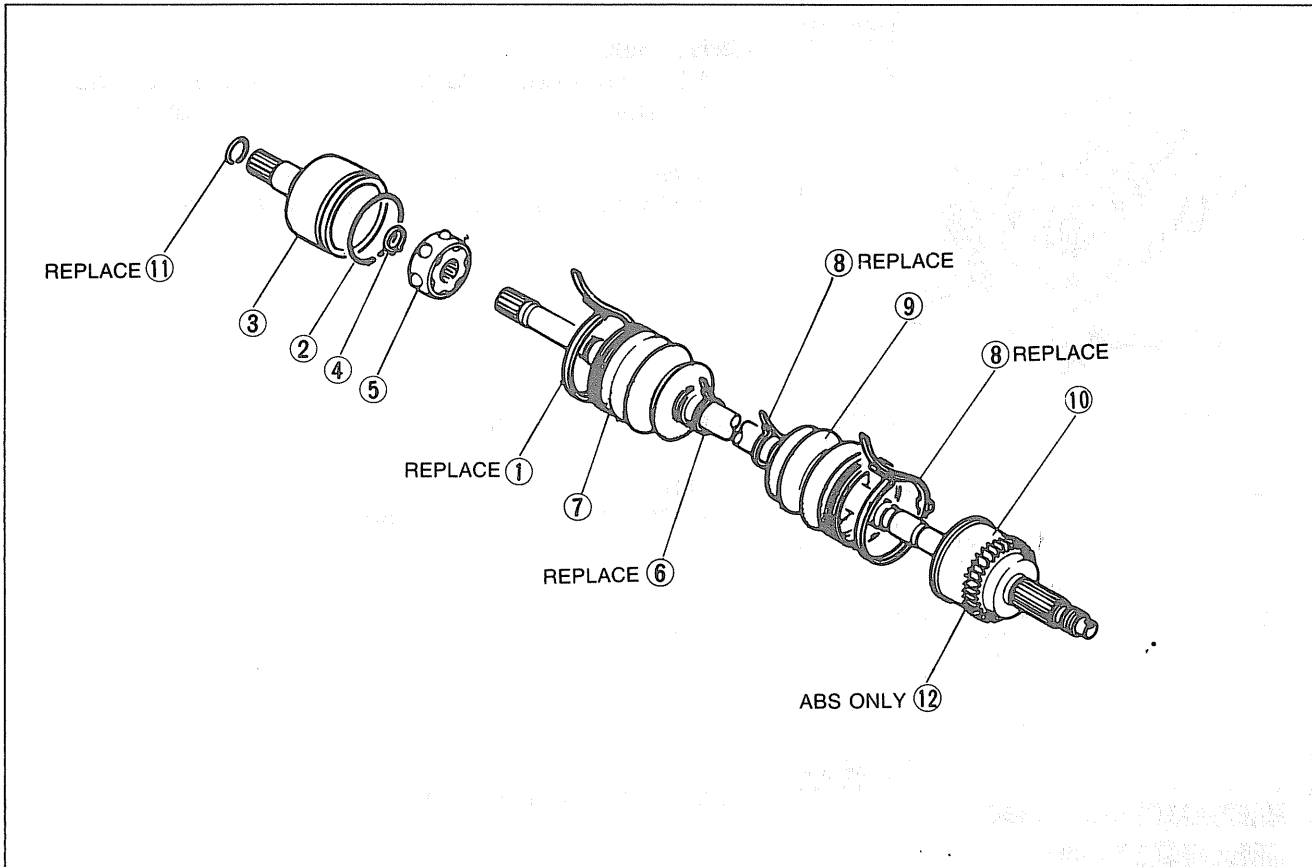
As shown in the figure, insert a pry bar between the driveshaft and the joint shaft and tap on the bar to uncouple them.

**Disassembly (DOJ)**

Disassemble in the order shown in the figure, referring to **Disassembly Note**.

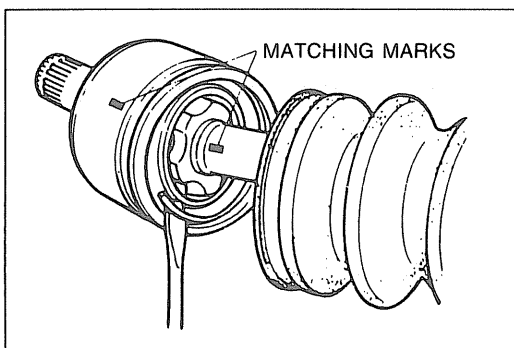
**Note**

- Clamp the shaft in a vice. Use protectors in the vice to avoid damage.
- Do not allow dirt or foreign matter in the joint during disassembly or assembly.
- Do not disassemble the ball-joint at the wheel side. Do not wipe the grease off if there is no problem.
- Do not remove the clip used to secure the outer ring to the ball-joint at the differential side if there is no problem.  
If the clip is removed, replace it with a new one.



16U0MX-017

- |                         |                         |                                   |
|-------------------------|-------------------------|-----------------------------------|
| 1. Boot band            | 5. Ball joint           | 9. Boot                           |
| 2. Clip                 | Removal ..... page M-29 | Removal ..... page M-29           |
| 3. Outer ring           | 6. Boot band            | 10. Shaft and ball joint assembly |
| 4. Snap ring            | 7. Boot                 | 11. Clip                          |
| Removal ..... page M-29 | Removal ..... page M-29 | 12. Sensor rotor                  |
|                         | 8. Boot band            | (Refer to Section P)              |



06U0MX-042

**Disassembly note**

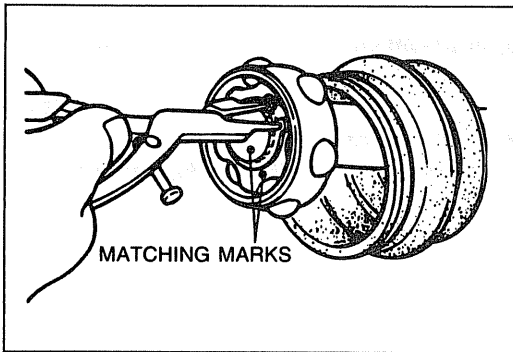
**Clip**

1. Make matching marks on the driveshaft and outer ring for proper reassembly.

**Note**

- Mark with paint, do not use a punch.

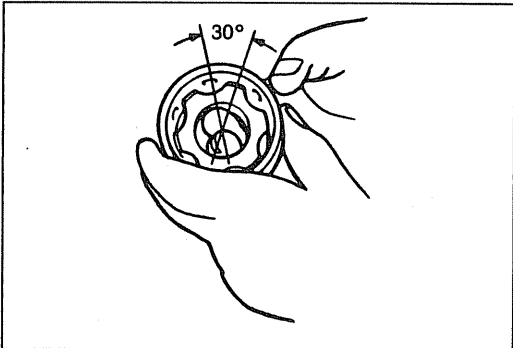
2. Remove the clip.



86U09X-092

### Snap ring

1. Make matching marks on the driveshaft end and inner ring.
2. Remove the snap ring using snap ring pliers.



86U09X-060

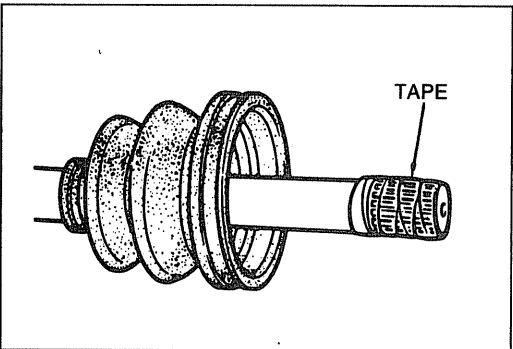
### Balls, inner ring and cage

1. Make matching marks on the inner ring and cage.

#### Note

- Mark with paint, do not use a punch.

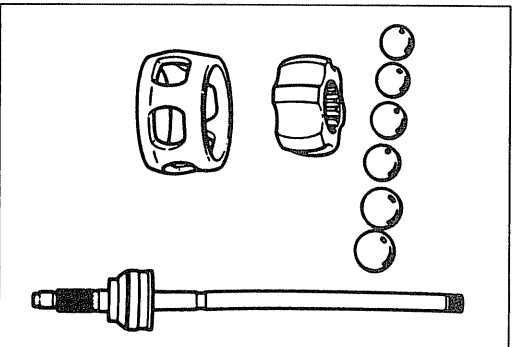
2. Turn the cage approximately 30°, then pull it away from the inner ring.



69G09X-120

### Boot

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

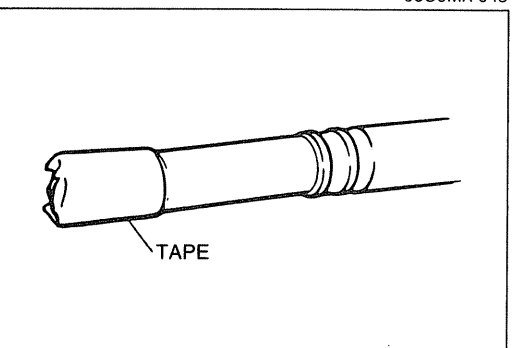


06U0MX-043

### Inspection

Wash the parts. Check and replace all damaged parts.

1. Twisted, bent, or damaged shaft.
2. Worn or scored splines.
3. Worn, rusted, or damaged outer ring.

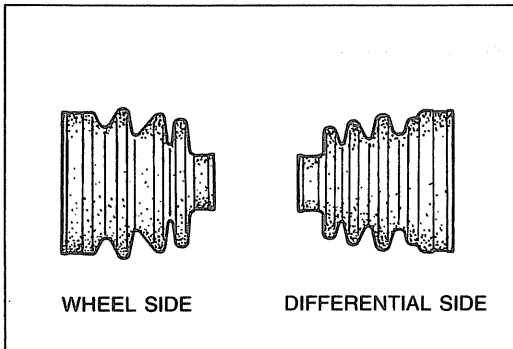


06U0MX-044

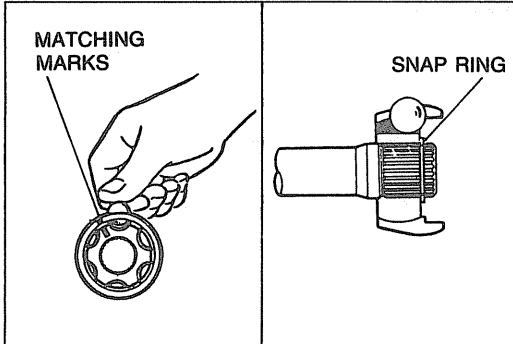
### Assembly

#### Boot

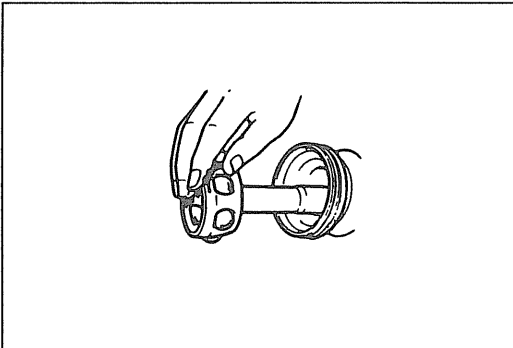
Wrap the shaft splines with tape before installing the boot.



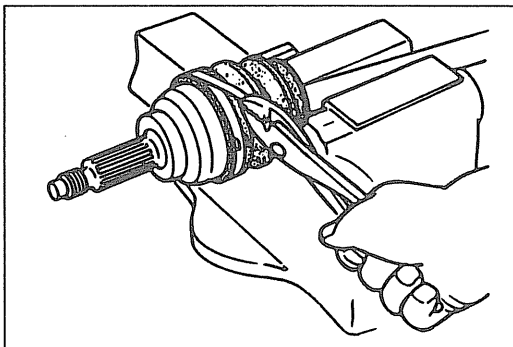
86U09X-062



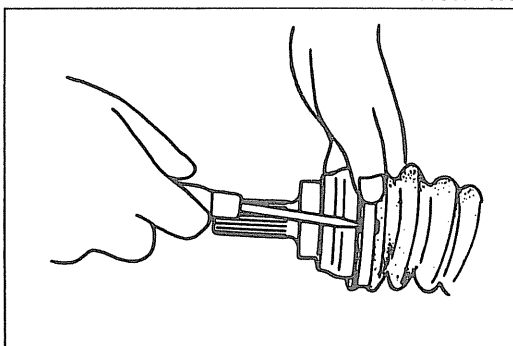
16U0MX-024



16U0MX-025



86U09X-096



86U09X-097

**Note**

- The wheel side and differential side boots are different as shown in the figure.
- Fill the inside of the ball joint with the specified grease included in the kit.
- Securely fit the boot to the shaft and the outer race boot grooves.

**Balls, inner ring and cage**

1. Align the matching marks and install the balls.

**Caution**

- Install the cage with the larger diameter facing the snap ring groove. If installed wrongly, the driveshaft may become disengaged.

2. Install the cage, inner ring, and ball assembly to the driveshaft in the direction shown in the figure.
3. Install a new snap ring in the driveshaft snap ring groove.
4. Apply molybdenum disulfide grease to the joint.

**Note**

- Do not use other than specified grease.

**Boot Band**

Tighten the boot band.

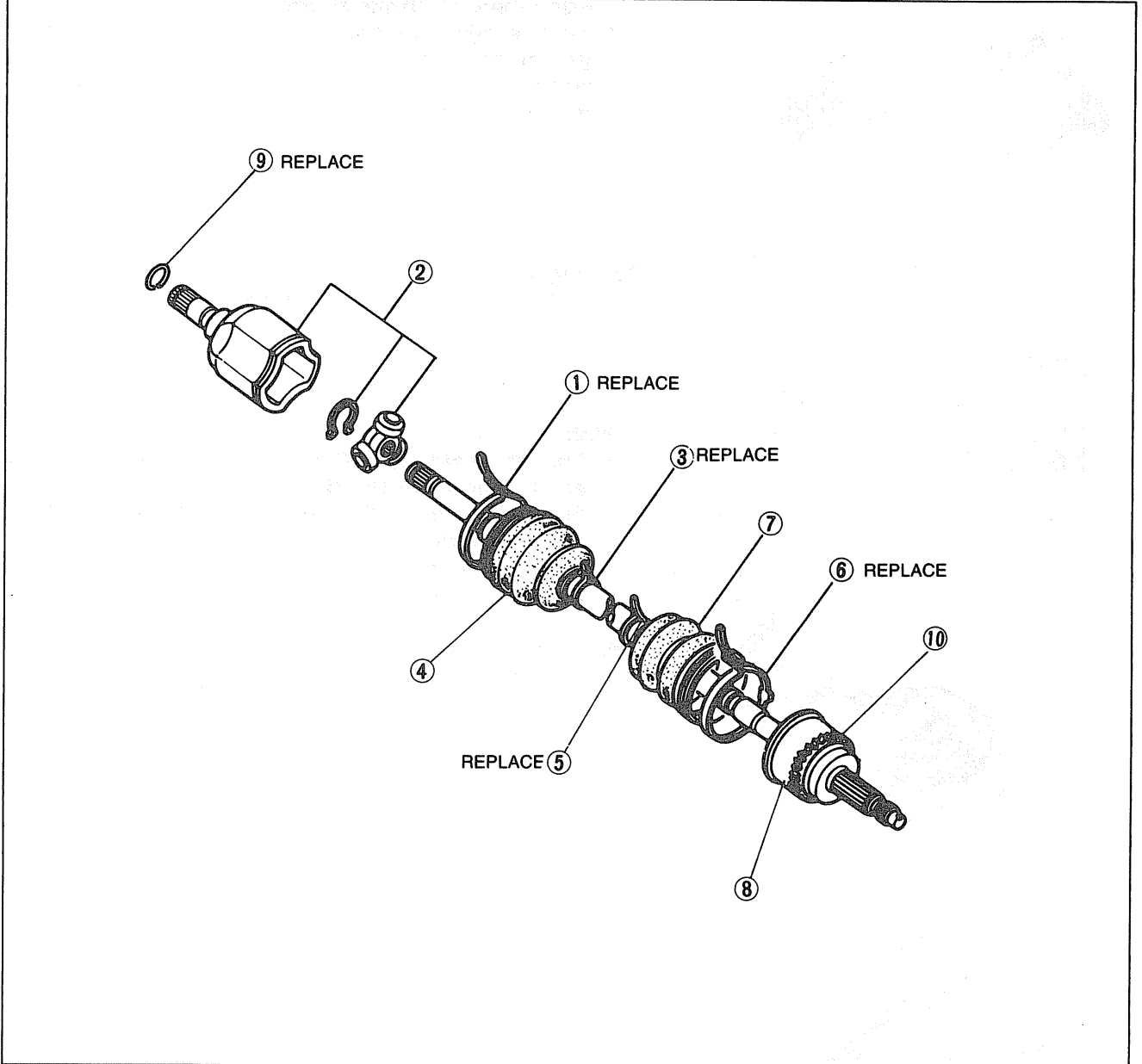
**Note**

- Use a new band.
- Fold the band in the direction opposite the forward rotation of the driveshaft.

1. Fold the band back by pulling on the end of the band.
2. Bend the locking clip to lock the end of the band.

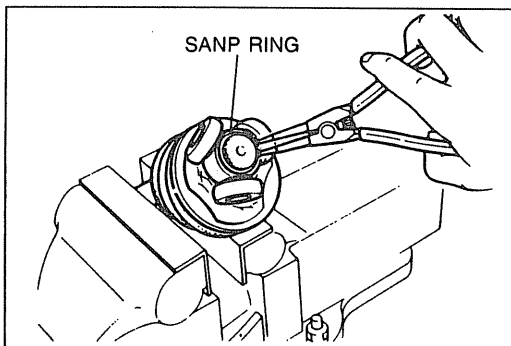
**Disassembly (TJ)**

Disassemble in the order shown in the figure, referring to **Disassembly Note**.



16U0MX-018

- |   |              |  |
|---|--------------|--|
| 1. Boot band  | 4. Boot      | 8. Shaft and ball joint assembly         |
| 2. Tripod joint assembly<br>Removal ..... page M-31 | 5. Boot band | 9. Clip                                  |
| 3. Boot band  | 6. Boot band | 10. Sensor rotor<br>(Refer to Section P) |
|   | 7. Boot      |  |

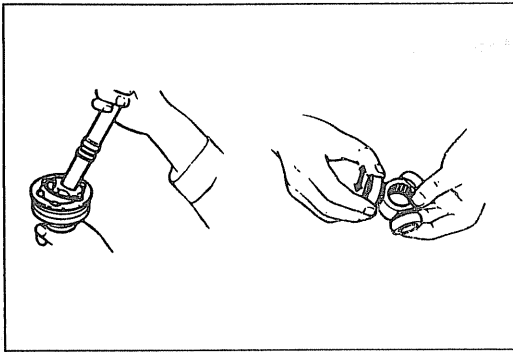


06U0MX-046

**Disassembly note**

**Tripod joint assembly**

1. Remove the snap ring using snap ring pliers, then remove the tripod joint.
2. Disassemble the joint shaft assembly.

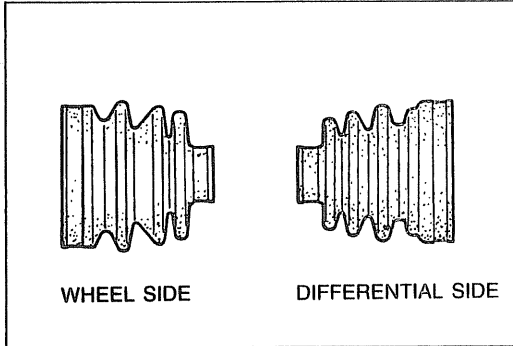


06U0MX-047

**Inspection**

Check and replace any faulty parts.

1. Twisted, bent, or damaged shaft.
2. Wear or scoring of splines.
3. Wear, excessive looseness, seizure, rust, or damage of bearing.
4. Checking, damage, or deterioration of boots.
5. Excessive play or heat damage of joint shaft bearing.



06U0MX-048

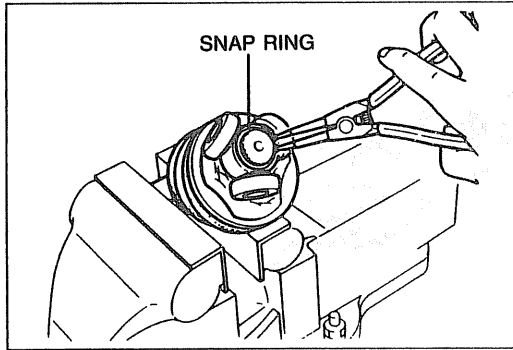
**Assembly**

Assemble in the reverse order of disassembly, referring to **Assembly Note**.

**Assembly note**

**Note**

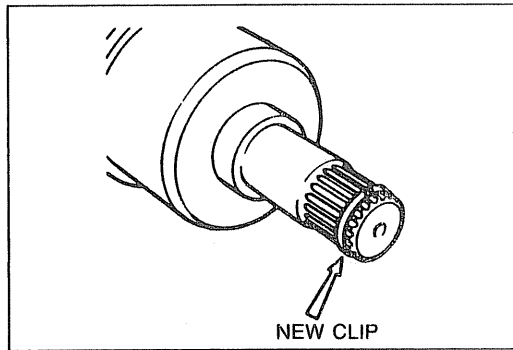
- The wheel side and differential side boots are different as shown in the figure.
- Fill the inside of the ball joint with the specified grease included in the kit.
- Securely fit the boot to the shaft and the outer race boot grooves.



86U09X-068

**Tripod joint**

Install the snap ring to the joint.



86U09X-069

**Clip**

Install a new clip.



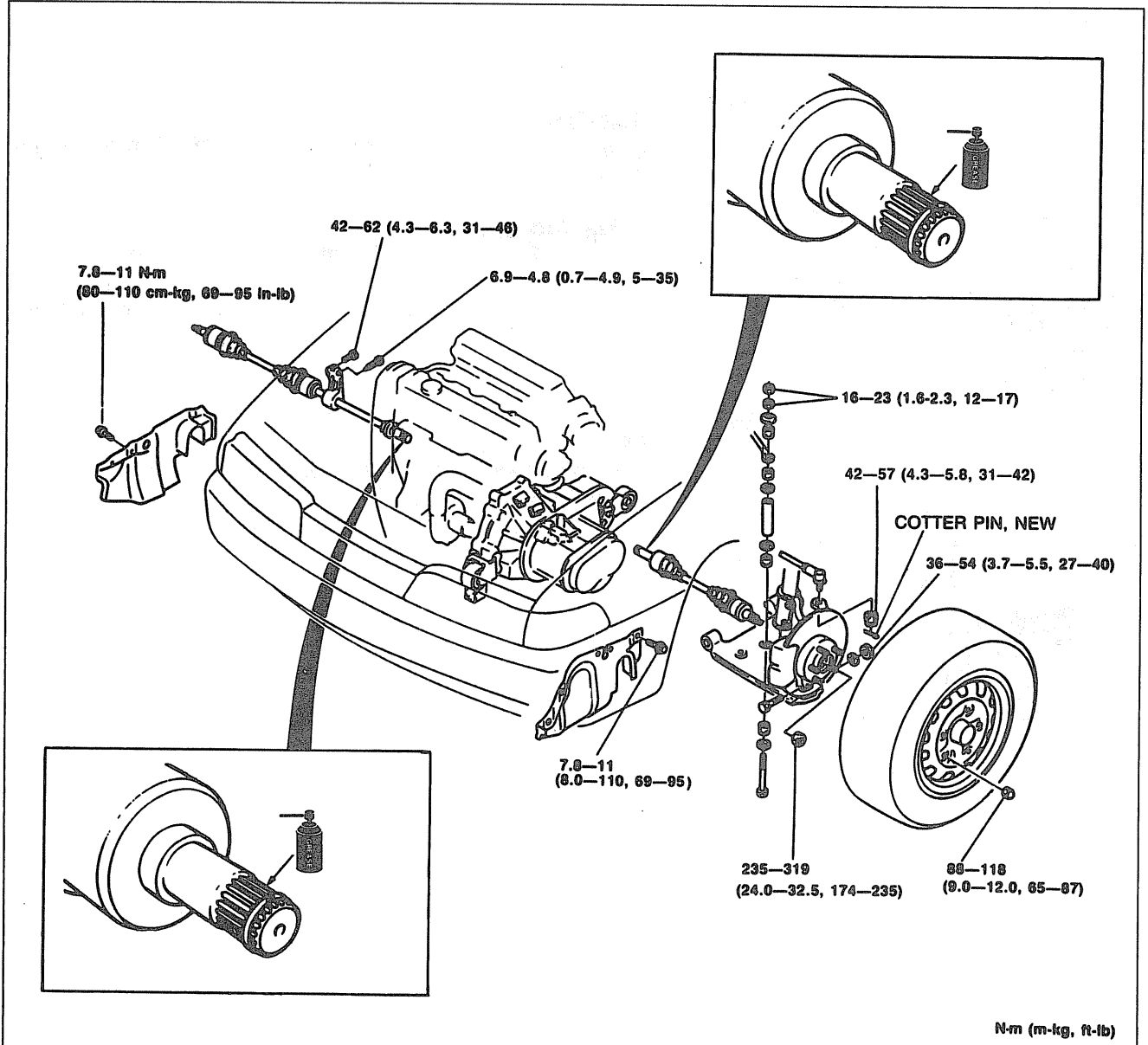
**Installation**

Install in the reverse order of removal, referring to **Installation Note**.

**Caution**

- Loosely tighten the lower arm when installing. Lower the vehicle and tighten all nuts and bolts to the specified torques with the vehicle unladen.

**Torque Specifications**



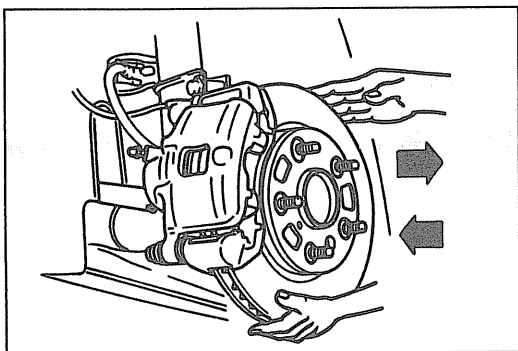
16U0MX-026

**Installation note**  
**Drive shaft**

**Note**

- Before installing the shaft, check the transaxle oil seal for damage.
- Apply transaxle oil to the oil seal lip.

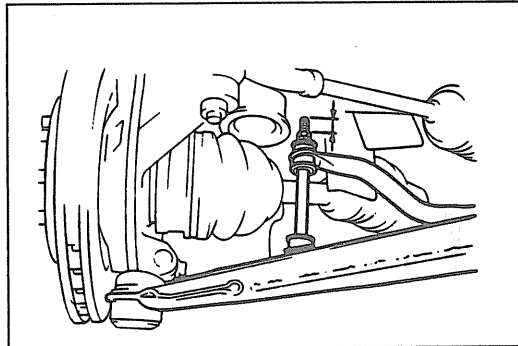
16U0MX-007



86U09X-072

**Front wheel hub**

After installation, pull the front wheel hub outward and check that the driveshaft does not come out.



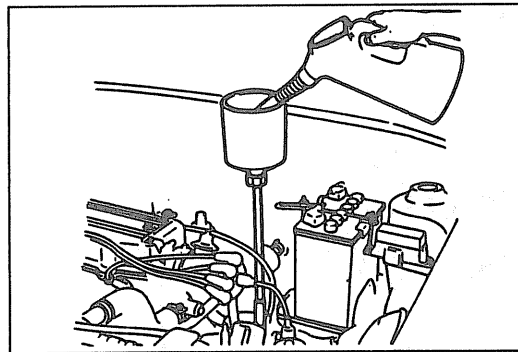
86U09X-073

**Stabilizer**

Lock the nut with  $20.1 \pm 2\text{mm}$  ( $0.79 \pm 0.08\text{ in}$ ) of the threads exposed.

**Tightening torque:**

$16\text{--}23\text{ N}\cdot\text{m}$  ( $1.6\text{--}2.3\text{ m}\cdot\text{kg}$ ,  $12\text{--}17\text{ ft}\cdot\text{lb}$ )



16U0MX-008

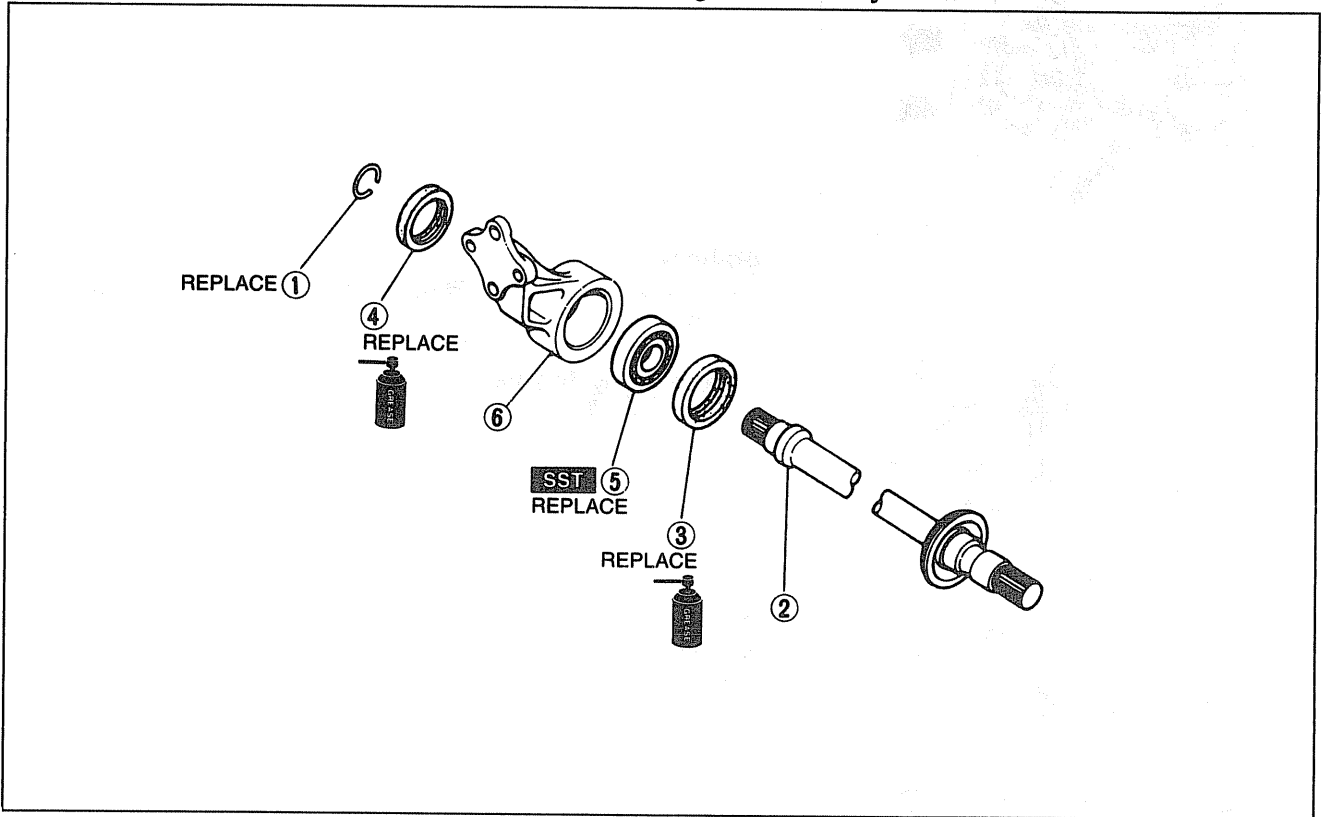
**Oil**

Add the specified grade and quantity of transaxle oil.  
(Refer to Sections J1, K.)

**JOINT SHAFT**

**Disassembly / Assembly**

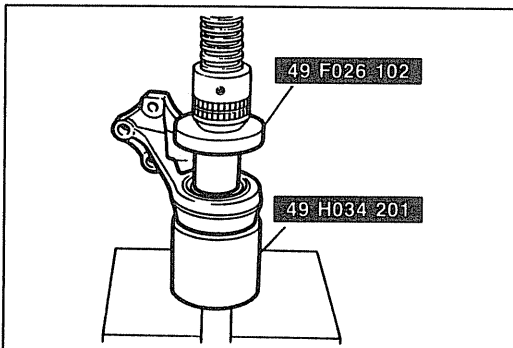
Disassemble in the order shown in the figure, referring to **Disassembly Note**.  
 Assemble in the reverse order of disassembly, referring to **Assembly Note**.



16UOMX-019

- 1. Clip
- 2. Joint shaft
- 3. Oil seal
- 4. Oil seal

- 5. Bearing  
 Removal..... page M-35  
 Assembly ..... page M-35
- 6. Bracket



16UOMX-020

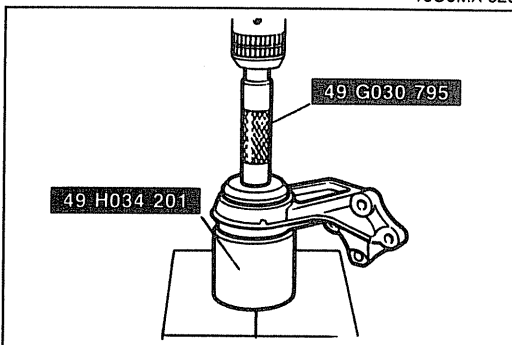
**Disassembly note**

**Bearing**

Remove the shaft and bearing with the **SST** and press.

**Caution**

- Hold the shaft and the bearing with one hand so that it does not fall.

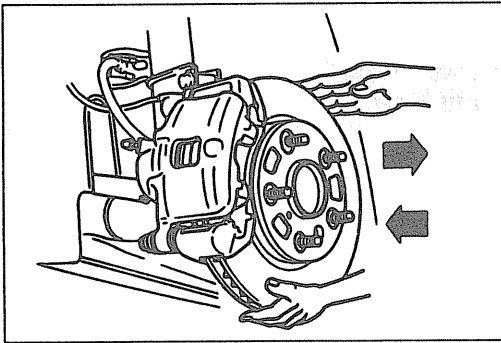


06UOMX-054

**Assembly note**

**Bearing**

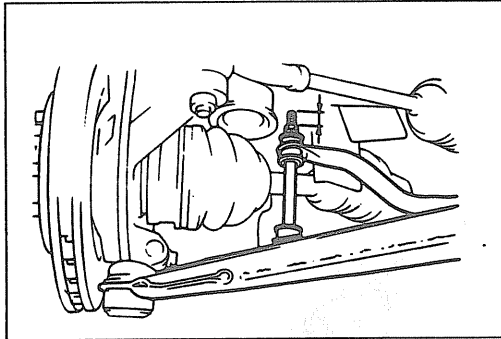
1. Install the shaft and a new bearing with the **SST** and press.
2. Install new oil seals.
3. Install a new clip.



86U09X-072

**Front wheel hub**

After installation, pull the front wheel hub outward and check that the driveshaft does not come out.



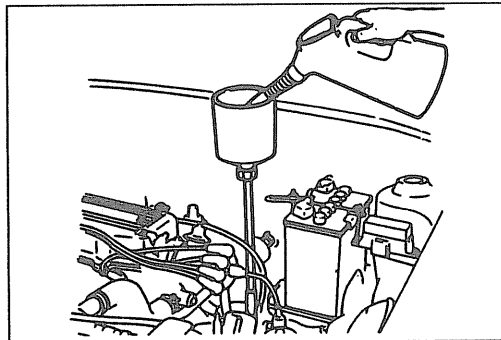
86U09X-073

**Stabilizer**

Lock the nut with  $20.1 \pm 2\text{mm}$  ( $0.79 \pm 0.08\text{ in}$ ) of the threads exposed.

**Tightening torque:**

**16—23 N·m (1.6—2.3 m·kg, 12—17 ft·lb)**



06U0MX-051

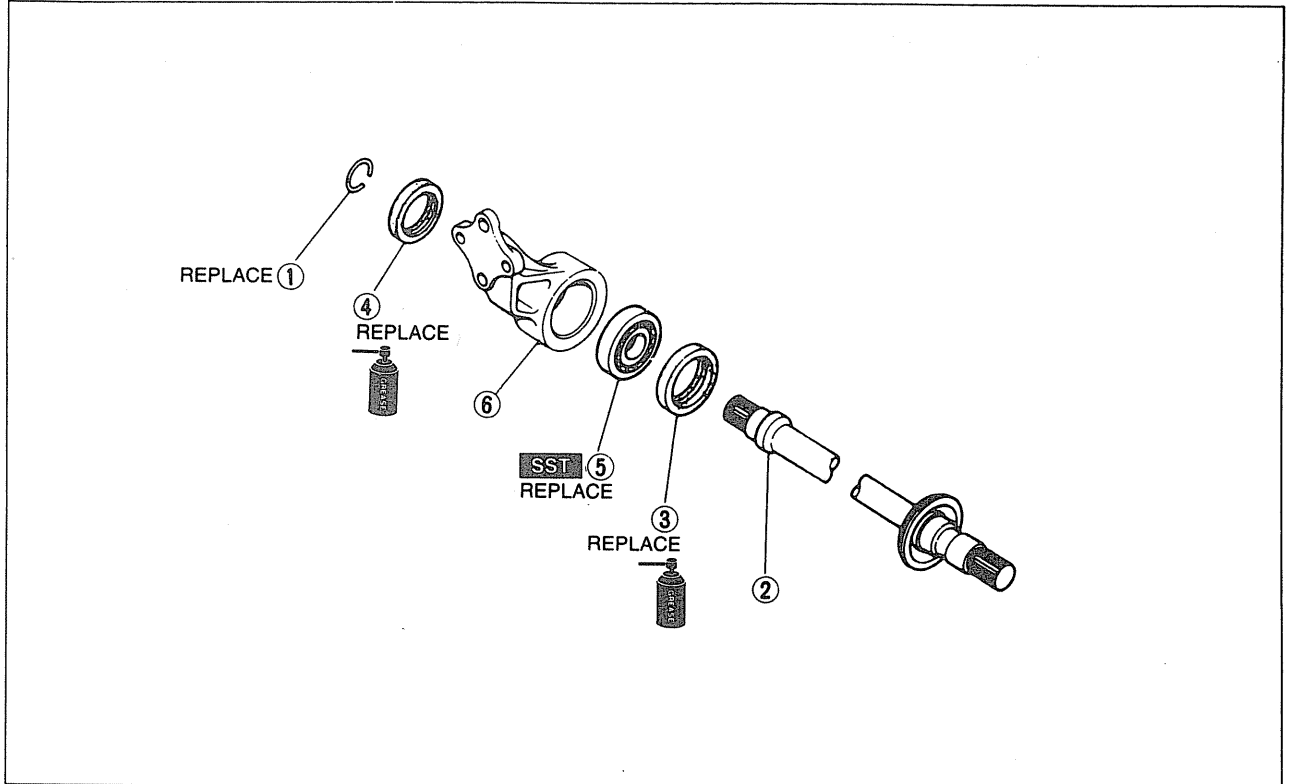
**Oil**

Add the specified grade and quantity of transaxle oil.  
(Refer to Sections J, K.)

**JOINT SHAFT**

**Disassembly / Assembly**

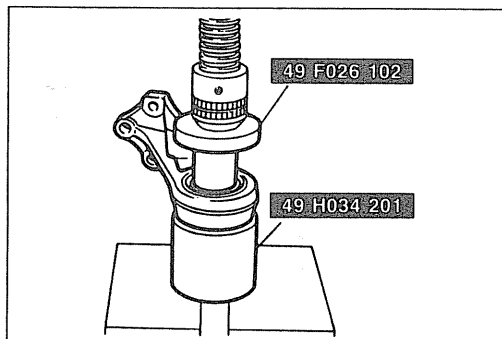
Disassemble in the order shown in the figure, referring to **Disassembly Note**.  
 Assemble in the reverse order of disassembly, referring to **Assembly Note**.



06U0MX-052

- 1. Clip
- 2. Joint shaft
- 3. Oil seal
- 4. Oil seal

- 5. Bearing  
 Removal..... page M-37  
 Assembly ..... page M-37
- 6. Bracket



06U0MX-053

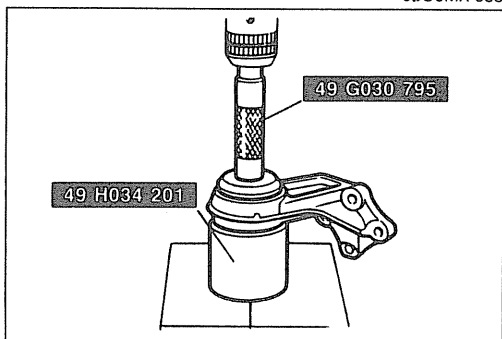
**Disassembly note**

**Bearing**

Remove the shaft and bearing with the **SST** and press.

**Caution**

- Hold the shaft and the bearing by hand does not drop.



06U0MX-054

**Assembly note**

**Bearing**

- 1. Install the shaft and a new bearing with the **SST** and press.
- 2. Install new oil seals.
- 3. Install a new clip.