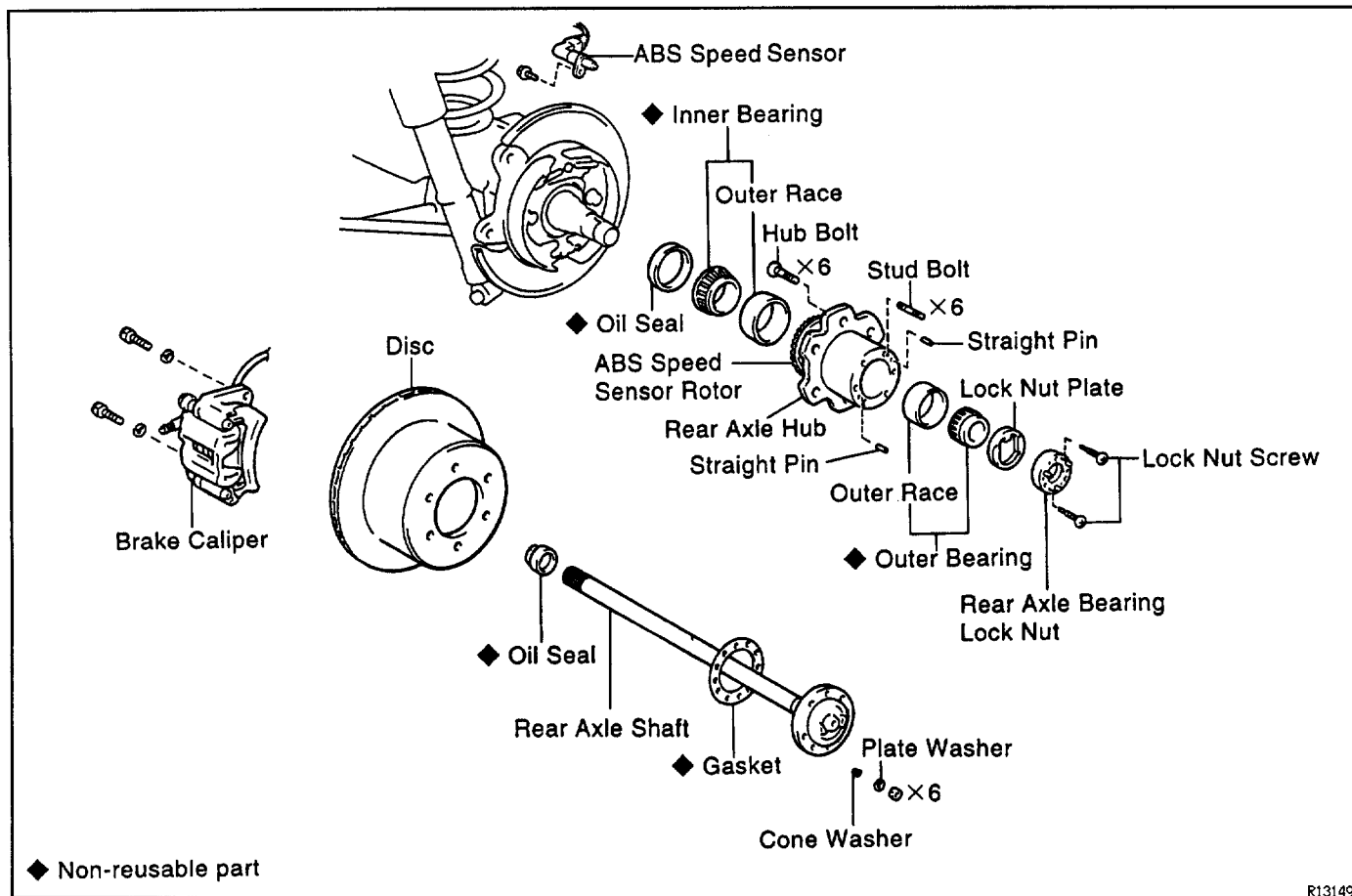


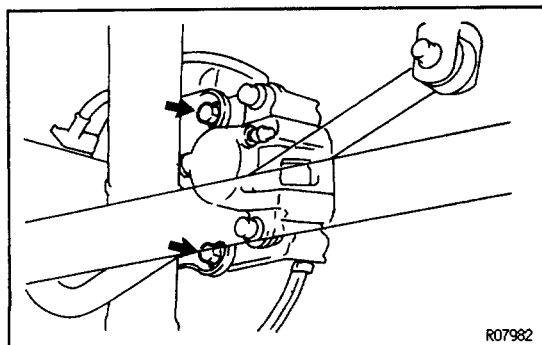
REAR AXLE HUB COMPONENTS



R13149

REAR AXLE HUB REMOVAL

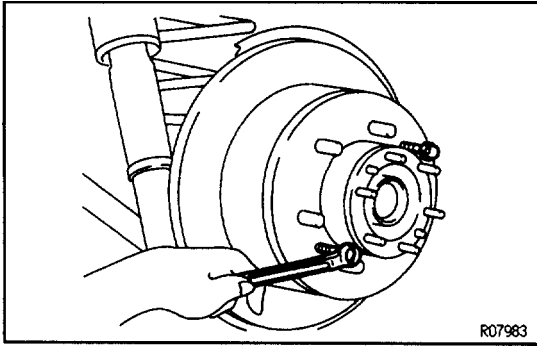
1. REMOVE REAR WHEEL
2. REMOVE REAR AXLE SHAFT
(See page [SA-61](#))



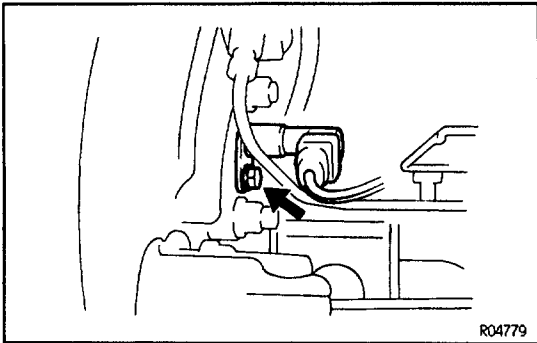
R07982

3. REMOVE BRAKE CALIPER AND DISC

- (a) Remove the 2 caliper installation bolts and washers.
- (b) Lift up the caliper and suspend it, making sure the hose is not stretched.

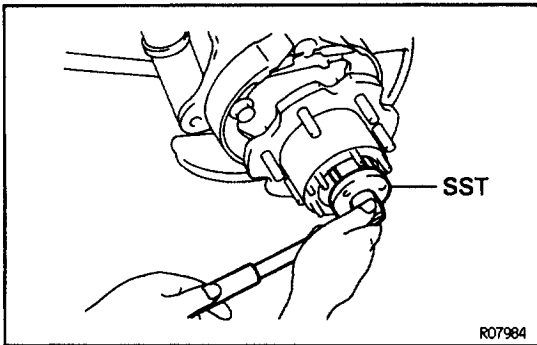


- (c) Install and gradually tighten the 2 bolts, and remove the disc.
- (d) Remove the 2 bolts from the disc.



4. DISCONNECT ABS SPEED SENSOR

Remove the bolt and disconnect the ABS speed sensor.

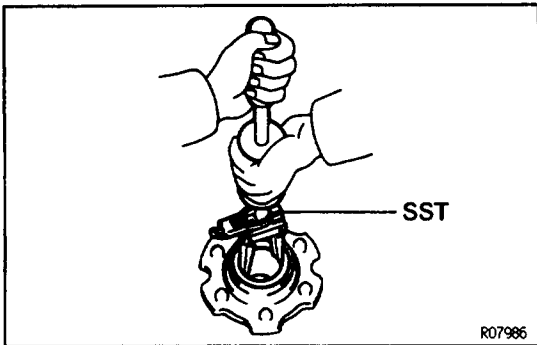


5. REMOVE REAR AXLE BEARING LOCK NUT

- (a) Remove the 2 screws from the lock nut.
- (b) Using SST, remove the lock nut.
SST 09509-25011

6. REMOVE REAR AXLE HUB

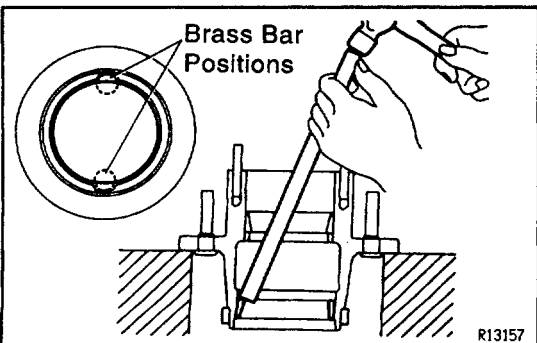
- (a) Pull out the axle hub, remove the lock nut plate and outer bearing.
- (b) Remove the axle hub.



REAR AXLE HUB BEARING AND OIL SEAL REPLACEMENT

1. REMOVE OIL SEAL AND INNER BEARING

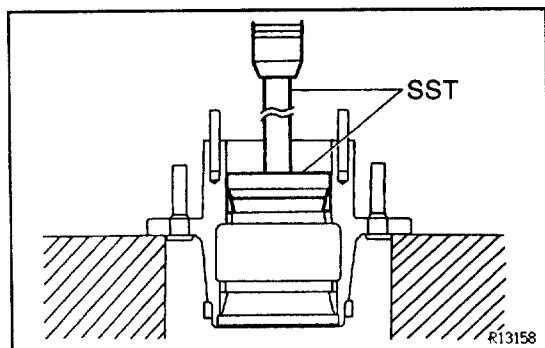
- (a) Using SST, remove the oil seal.
SST 09308-00010
- (b) Remove the inner bearing from the hub.



2. REMOVE BEARING OUTER RACE

Using a brass bar and hammer, remove the bearing outer races.

NOTICE: Be careful not to damage the ABS speed sensor rotor.



3. INSTALL BEARING OUTER RACE

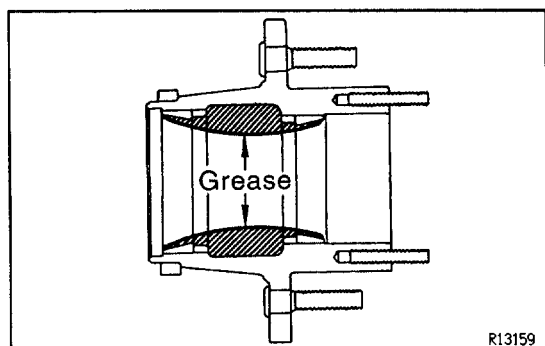
Using SST and a press, install new bearing outer races.

Outside race:

SST 09608-35014 (09608-06020, 09608-06110)

Inside race:

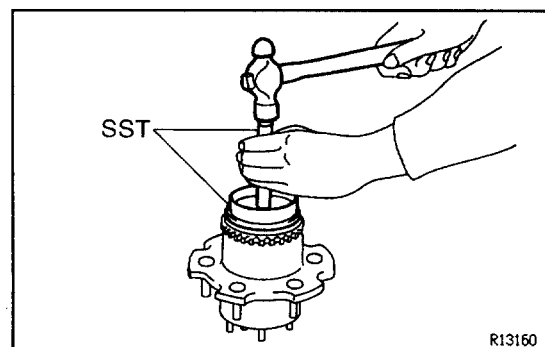
SST 09608-35014 (09608-06020, 09608-06210)



4. PACK BEARINGS WITH MP GREASE

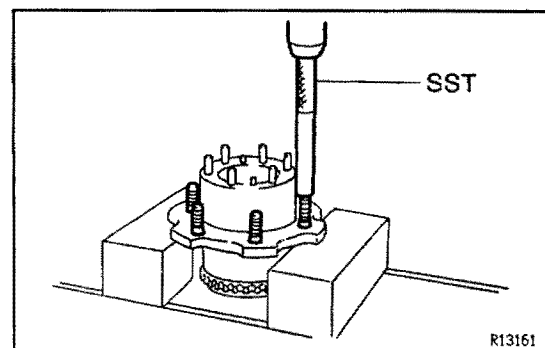
- Place MP grease in the palm of your hand.
- Pack grease into the bearing until the grease ooze out from the other side.
- Do the same around the bearing circumference.

5. COAT INSIDE OF HUB WITH MP GREASE



6. INSTALL INNER BEARING AND OIL SEAL

- Place inner bearing into the hub.
- Using SST, install a new oil seal into the hub.
SST 09223-15020, 09608-35014 (09608-06020)
- Apply MP grease to the oil seal lip.



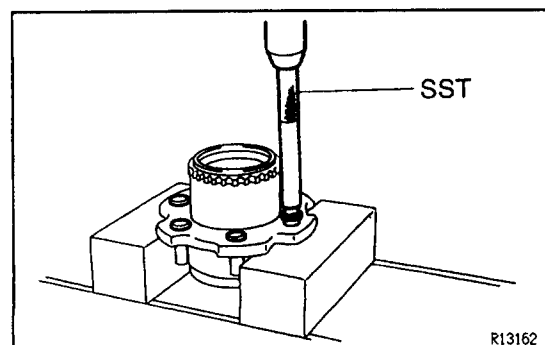
HUB BOLT REPLACEMENT

1. REMOVE HUB BOLT

Using SST and a press, remove hub bolts from the axle hub.

SST 09608-35014 (09608-06020)

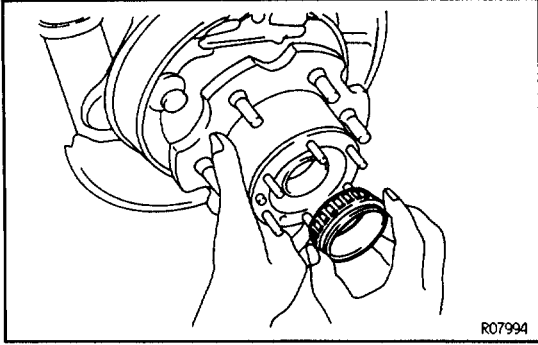
NOTICE: Be careful not to damage the ABS speed sensor rotor.



2. INSTALL HUB BOLT

Using SST and a press, install the hub bolt.

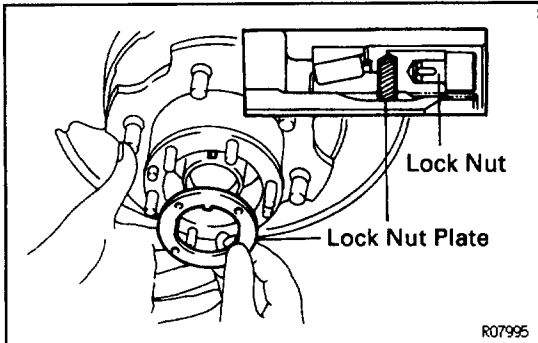
SST 09608-35014 (09608-06020)



REAR AXLE HUB INSTALLATION

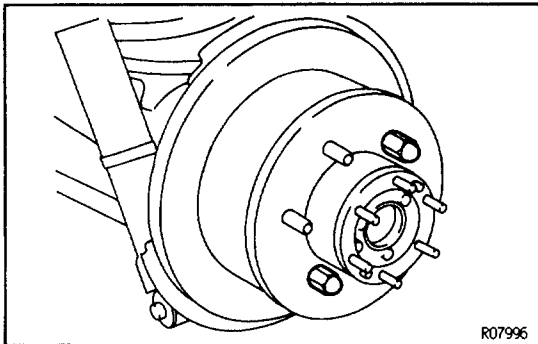
1. INSTALL REAR AXLE HUB

- (a) Clean the hub installation position of the axle housing and apply MP grease thinly.
- (b) Place the axle hub to the axle housing.
NOTICE: Be careful not to damage the oil seal.
- (c) Install the outer bearing.



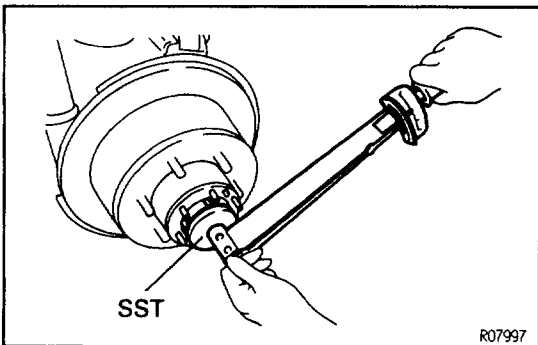
2. INSTALL LOCK NUT PLATE AND REAR AXLE BEARING LOCK NUT

- (a) Place the lock nut plate on the axle housing, making sure the tongue lines up with the key groove.
- (b) Temporarily install the lock nut.



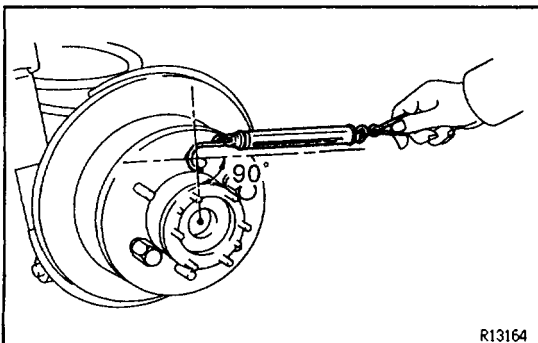
3. INSTALL DISC

Install the disc to the rear axle hub and temporarily install the 2 hub nuts.



4. ADJUST PRELOAD

- (a) Using SST, torque the bearing lock nut.
SST 09509-25011
Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)
- (b) Mark the bearing smooth turning the hub several times.
- (c) Using the SST, retighten the bearing lock nut.
Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)
- (d) Using the SST, loosen the nut until it can be turned by hand.

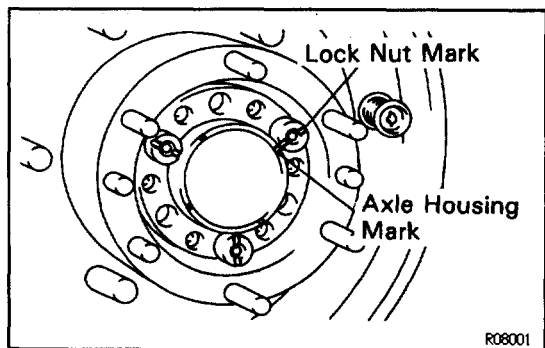


- (e) Using a spring tension gauge, check the preload and tighten the nut until the preload is within specification.

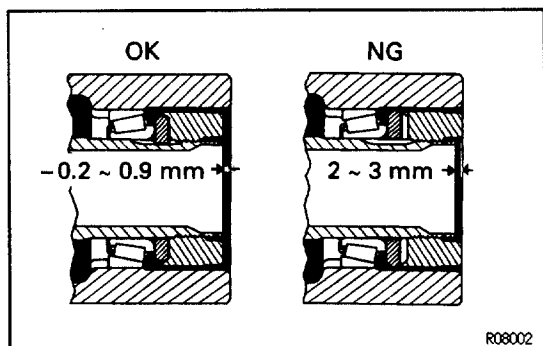
Preload (at starting):

26-57 N (2.6-5.8 kgf, 5.7-12.8 lbf)

NOTICE: Make sure there is no contact with the parking brake shoe.



- (f) Align the mark on the bearing lock nut and tip of axle housing under the above preload range.



- (g) Check the distance between top surface of axle housing and the lock nut.

Standard distance:

-0.2 ~ 0.9 mm (-0.0079 - 0.0354 in.)

If the distance is greater than specification, reassemble the lock nut plate.

- (h) Check that the hub with disc rotates smoothly and hub has no axial play.

5. INSTALL BEARING LOCK NUT SCREW

Tighten the 2 lock nut screws.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

6. CONNECT ABS SPEED SENSOR

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

7. INSTALL BRAKE CALIPER

- (a) Install the disc and brake caliper.

- (b) Torque the 2 bolts.

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

- (c) Remove the 2 hub nuts.

8. INSTALL REAR AXLE SHAFT

(See page [SA-61](#))

9. INSTALL REAR WHEEL

Torque:

Steel wheel:

147 N·m (1,500 kgf·cm, 109 ft·lbf)

Aluminum wheel:

103 N·m (1,050 kgf·cm, 76 ft·lbf)

10. CHECK ABS SPEED SENSOR SIGNAL

(See page [BR-46](#))