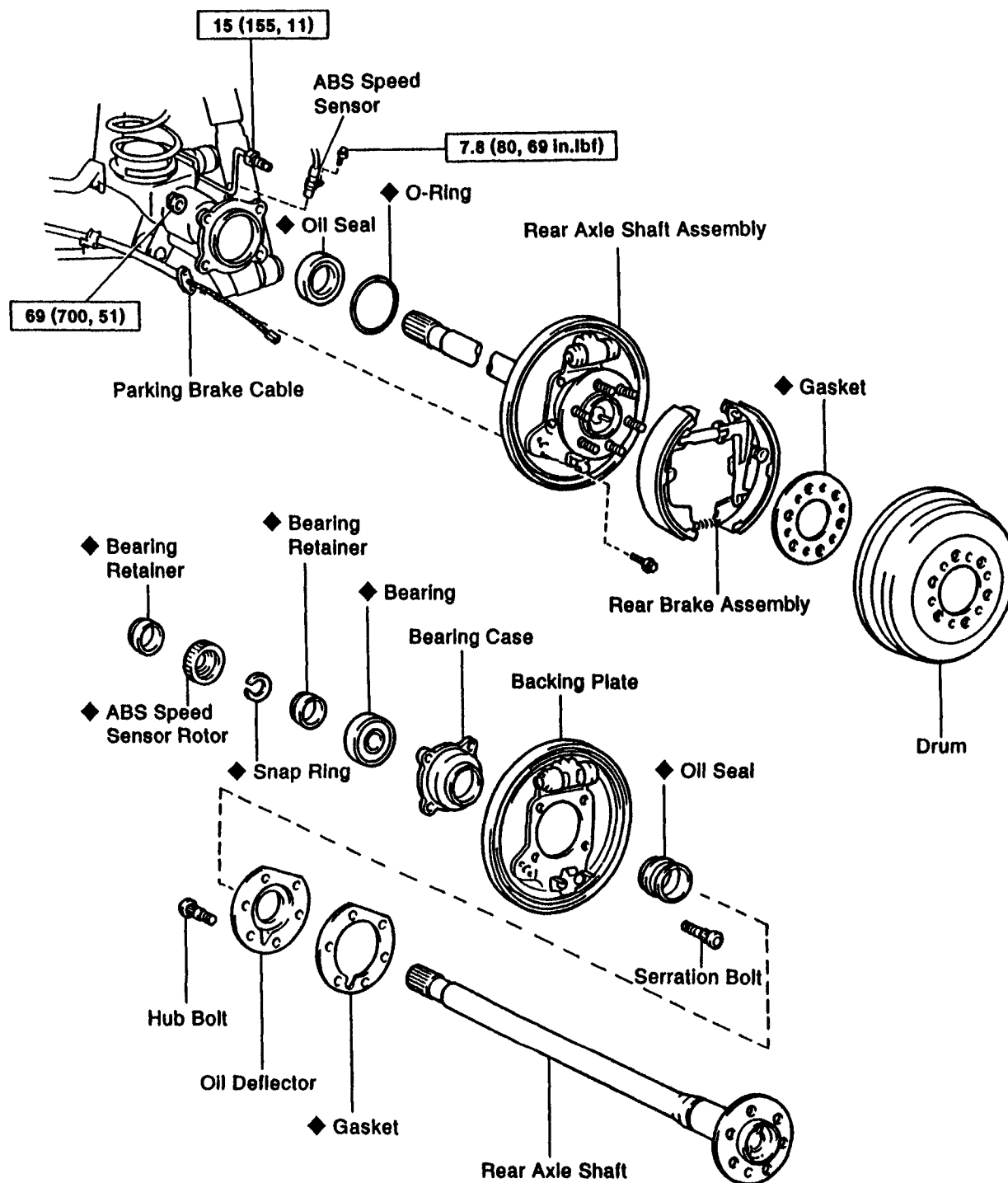
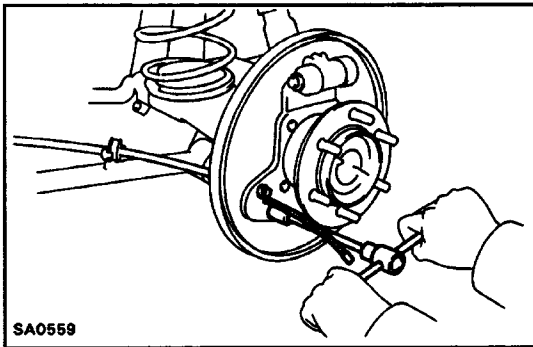


REAR AXLE SHAFT COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part



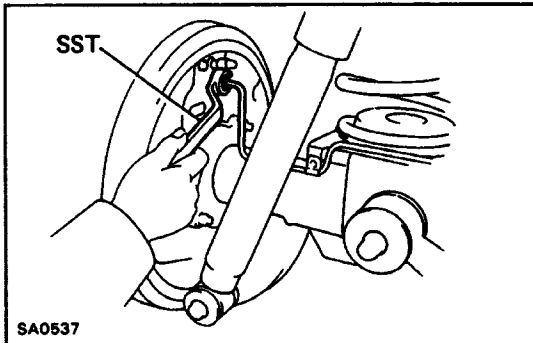
REAR AXLE SHAFT REMOVAL

1. JACK UP AND SUPPORT VEHICLE
2. REMOVE REAR WHEEL AND BRAKE DRUM
3. REMOVE REAR BRAKE ASSEMBLY

(See page [BR-26](#))

4. DISCONNECT PARKING BRAKE CABLE

Remove the 2 bolts and disconnect the parking brake cable from the backing plate.



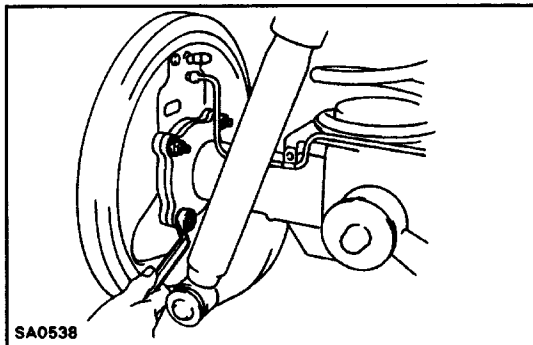
5. w/ 4 WHEEL ABS:

DISCONNECT ABS SPEED SENSOR FROM REAR AXLE HOUSING

6. DISCONNECT BRAKE LINE

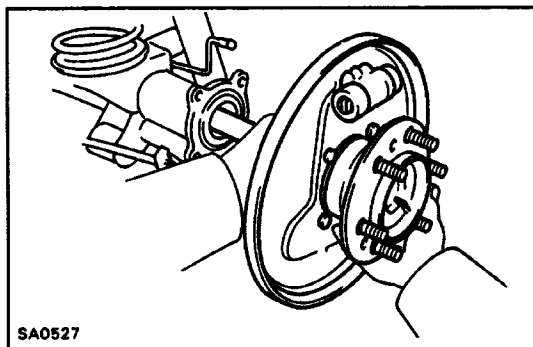
Using SST, disconnect the brake line from the backing plate.

SST 09751– 36011



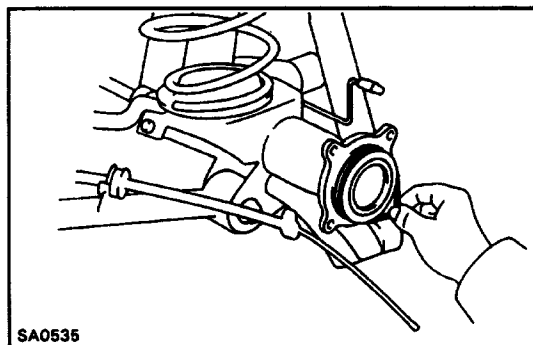
7. REMOVE REAR AXLE SHAFT ASSEMBLY

(a) Remove the 4 backing plate mounting nuts.

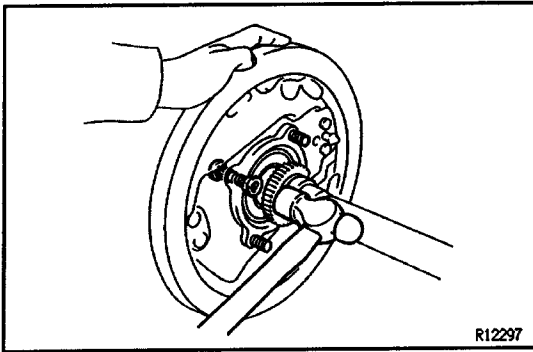


(b) Pull out the rear axle shaft assembly from the rear axle housing.

NOTICE: Be careful not to damage the oil seal.



8. REMOVE O-RING FROM REAR AXLE HOUSING



REAR AXLE DISASSEMBLY

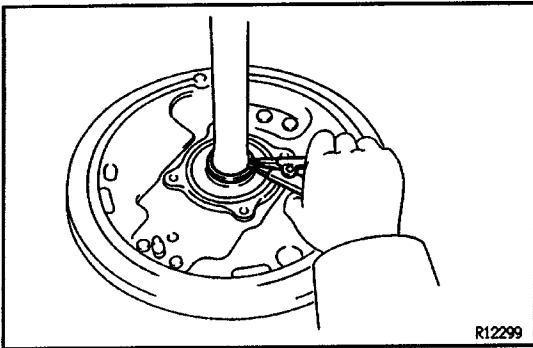
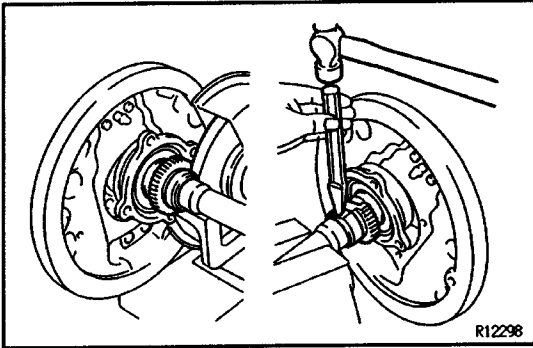
1. w/ 4 WHEEL ABS:

REMOVE BEARING RETAINER (DIFFERENTIAL SIDE) AND ABS SPEED SENSOR ROTOR

(a) Attach a 4 nuts to the 4 serration bolts and remove the serration bolts from the backing plate using a hammer.

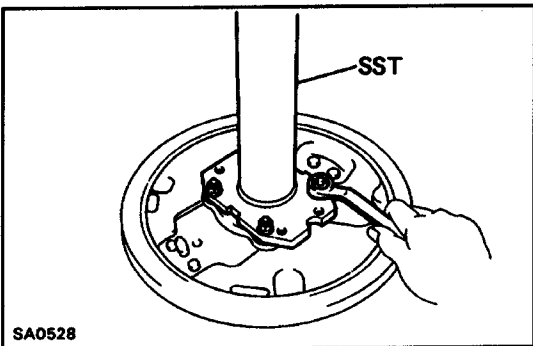
NOTICE: Do not reuse the nuts previously removed from the vehicle.

(b) Grind the retainer and sensor rotor surfaces using a grinder, then chisel them out with a chisel.



2. REMOVE SNAP RING FROM AXLE SHAFT

Using a snap ring expander, remove the snap ring.



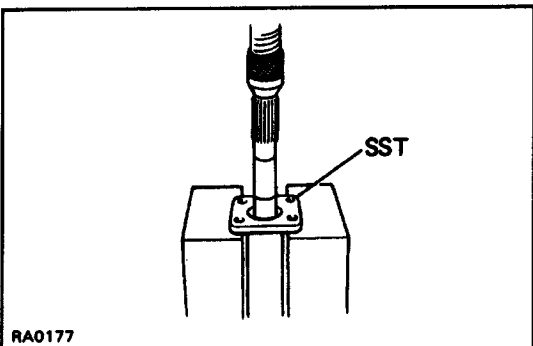
3. REMOVE REAR AXLE SHAFT FROM BACKING PLATE

(a) Attach a washers and nut to the 4 serration bolts, then torque the nuts to install the serration bolts to the backing plate.

SST 09521- 25011

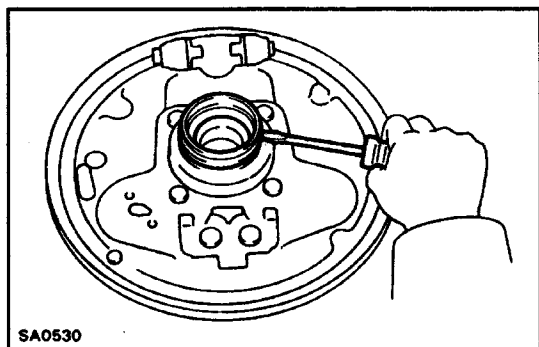
(b) Remove the 4 nuts from the 4 serration bolts.

(c) Position SST on the backing plate with 4 nuts.



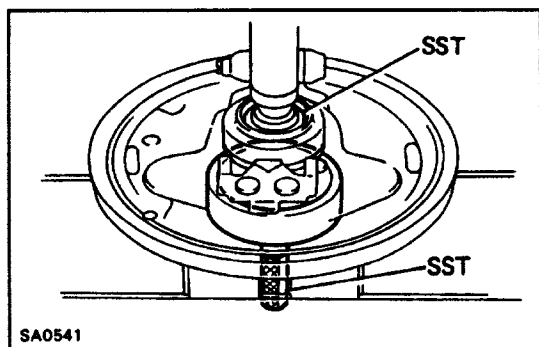
(d) Using a press, press out the rear axle shaft with bearing retainer from the backing plate.

(e) Remove the SST.



4. REMOVE OUTER OIL SEAL

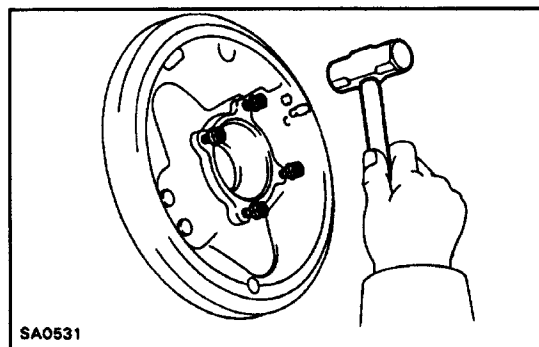
Using a screwdriver, remove the oil seal.



6. REMOVE REAR AXLE SHAFT BEARING

Using SST and a press, press out the bearing from the backing plate.

SST 09223-56010, 09608-35014 (09608-06100)

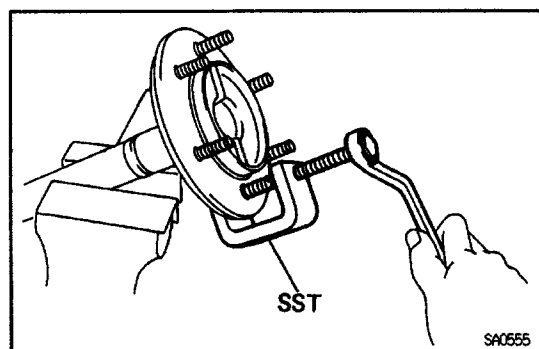


6. REMOVE BEARING CASE

(a) Install the nuts to the serration bolts.

NOTICE: Do not reuse the nuts previously removed from the vehicle.

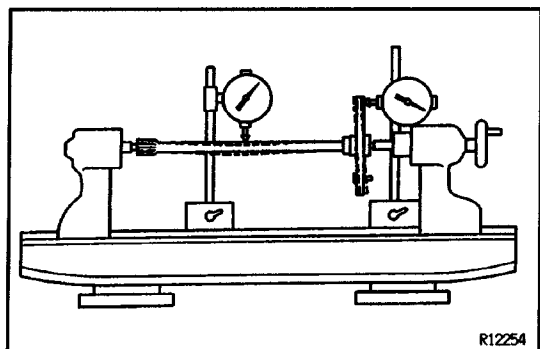
(b) Using a hammer, tap out the serration bolts and remove the bearing case.



7. REMOVE HUB BOLT AND OIL DEFLECTOR

Using SST, remove the hub bolts, oil deflector and gasket.

SST 09650-1701 1



REAR AXLE SHAFT INSPECTION

INSPECT REAR AXLE SHAFT AND FLANGE FOR WEAR, DAMAGE OR RUNOUT

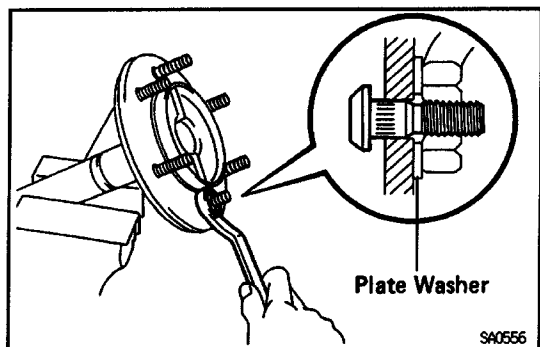
Maximum shaft runout:

2.0mm (0.079 in.)

Maximum flange runout:

0.2mm (0.008 in.)

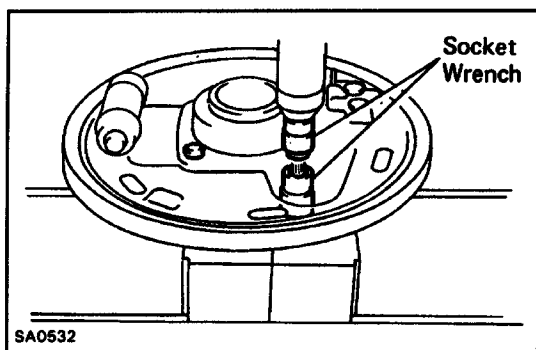
If the rear axle shaft or flange is damaged or worn, or if runout is greater than the maximum, replace the rear axle shaft.



REAR AXLE SHAFT ASSEMBLY

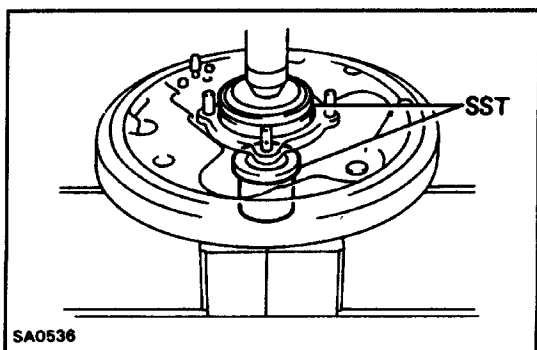
1. INSTALL OIL DEFLECTOR

- (a) Install a new gasket and the oil deflector.
- (b) Install the plate washer on the hub bolt, as shown in the illustration, then tighten the nut to install the hub bolt.



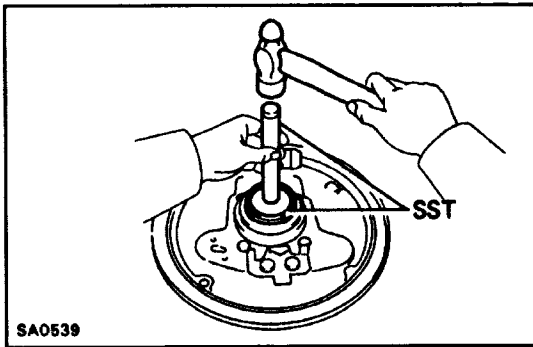
2. INSTALL BEARING CASE

Position the backing plate on the bearing case and, using 2 socket wrenches and a press, press in the serra-tion bolts.



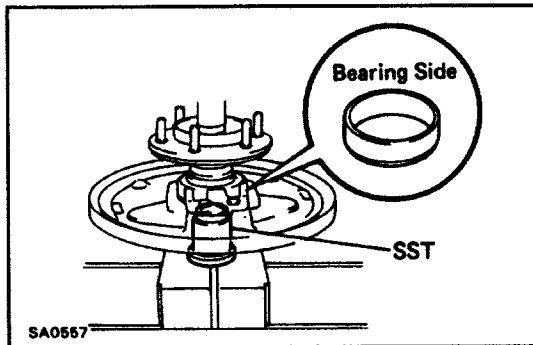
3. INSTALL REAR AXLE SHAFT BEARING

- (a) Using SST and a press, press in a new bearing to the backing plate.
SST 09515-30010, 09608-35014 (09608-06180)
- (b) Using a press, press in the hub bolts to the backing plate.



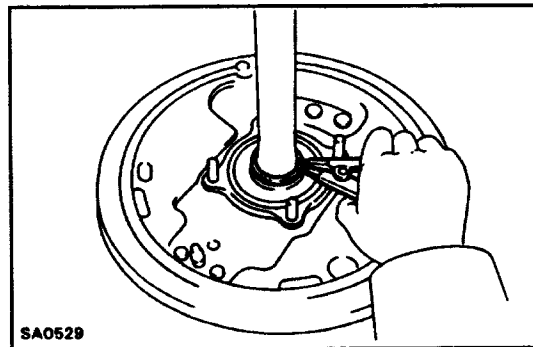
4. INSTALL NEW OUTER OIL SEAL

- (a) Using SST and a hammer, tap in a new outer oil seal to the backing plate.
SST 08608-30012 (09608-04020, 09608-04070)
- (b) Apply the MP grease to the oil seal lip.



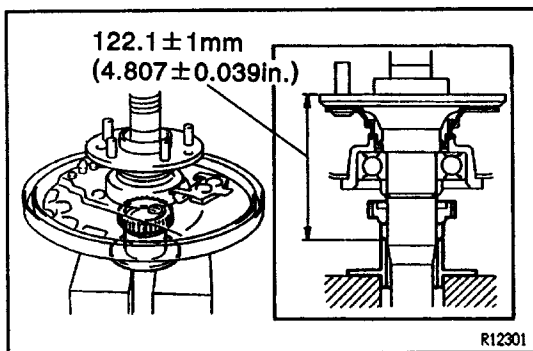
6. INSTALL REAR AXLE SHAFT TO BACKING PLATE

- (a) Install the rear axle shaft and a new bearing retainer to the backing plate.
- (b) Using SST and a press, press in the rear axle shaft.
SST 09515-30010



6. INSTALL SNAP RING TO REAR AXLE SHAFT

Using a snap ring expander, install a new snap ring.



7. w/ 4 WHEEL ABS:

INSTALL ABS SPEED SENSOR ROTOR AND BEARING RETAINER (DIFFERENTIAL SIDE)

Using SST and a press, press in a new sensor rotor and a new bearing retainer to the axle shaft.

SST 09515-21010

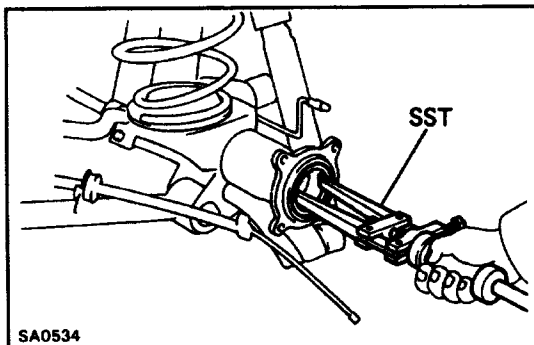
Standard length:

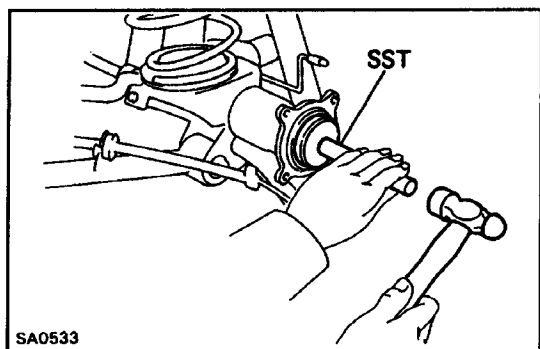
122.2 ± 1 mm (4.811 ± 0.039 in.)

REAR AXLE SHAFT INSTALLATION

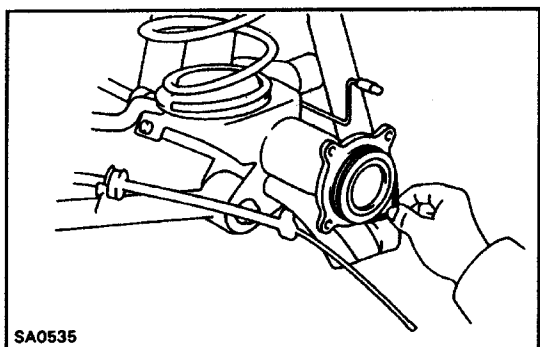
1. IF NECESSARY, REPLACE INNER OIL SEAL

- (a) Using SST, remove the oil seal from the rear axle housing.
SST 09308 - 00010



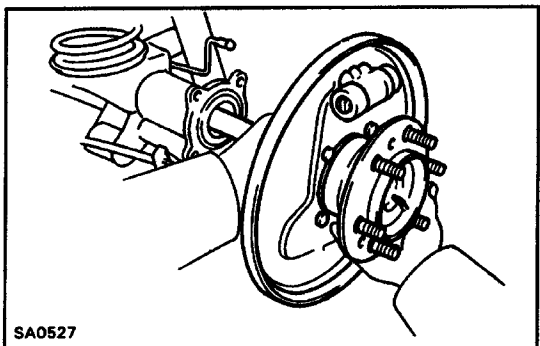


- (b) Using SST and a hammer, tap in a new oil seal.
SST 09608-30012 (09608 -04020, 09608-04100)
- (c) Apply MP grease to the oil seal lip.



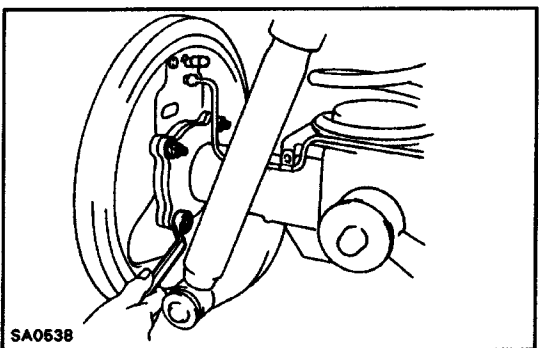
2. INSTALL NEW O-RING TO REAR AXLE HOUSING

- (a) Apply MP grease to a new O-ring.
- (b) Install the O-ring to the axle housing.

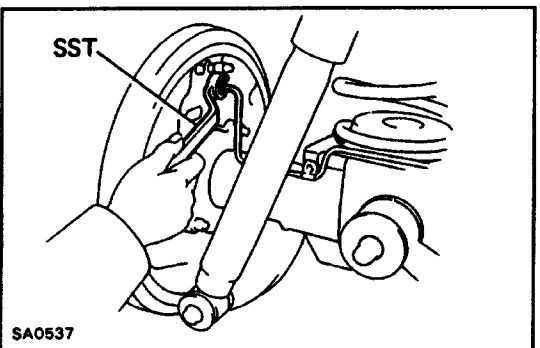


3. INSTALL REAR AXLE SHAFT ASSEMBLY TO REAR AXLE HOUSING

- (a) Install the axle shaft assembly to the axle housing.
NOTICE: Be careful not to damage, the oil seal.



- (b) Torque the 4 backing plate mounting nuts.
Torque: 69 N-m (700 kgf-cm, 51 ft-lbf)



4. w/ 4 WHEEL ABS:

CONNECT ABS SPEED SENSOR TO REAR AXLE HOUSING

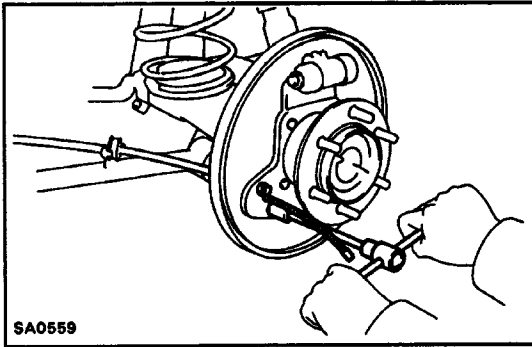
Torque: 7.8 N-m (80 kgf-cm, 69 in.-lbf)

5. CONNECT BRAKE LINE

Using SST, connect the brake line.

SST 09751- 36011

Torque: 15 N-m (155 kgf-cm, 11 ft-lbf)



6. CONNECT PARKING BRAKE CABLE

Connect the parking brake cable to the backing plate with the 2 bolts.

7. INSTALL REAR BRAKE ASSEMBLY

(See page [BR-29](#))

8. INSTALL BRAKE DRUM AND REAR WHEEL

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

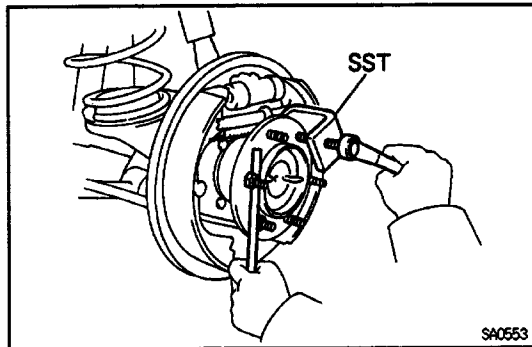
9. BLEED BRAKE SYSTEM

(See page [BR-8](#))

10. w/ WHEEL ABS:

CHECK ABS SPEED SENSOR SIGNAL

(See page [BR-86](#))



REAR HUB BOLT REPLACEMENT

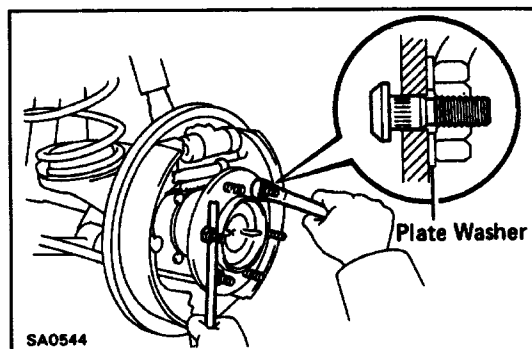
1. JACK UP AND SUPPORT VEHICLE

2. REMOVE REAR WHEEL AND BRAKE DRUM

3. REMOVE HUB BOLT

Using SST, remove the hub bolt.

SST 09650-17411



4. INSTALL HUB BOLT

Using plate washer and nut, hold the axle shaft install a new hub bolt.

5. INSTALL BRAKE DRUM AND REAR WHEEL

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

6. LOWER VEHICLE