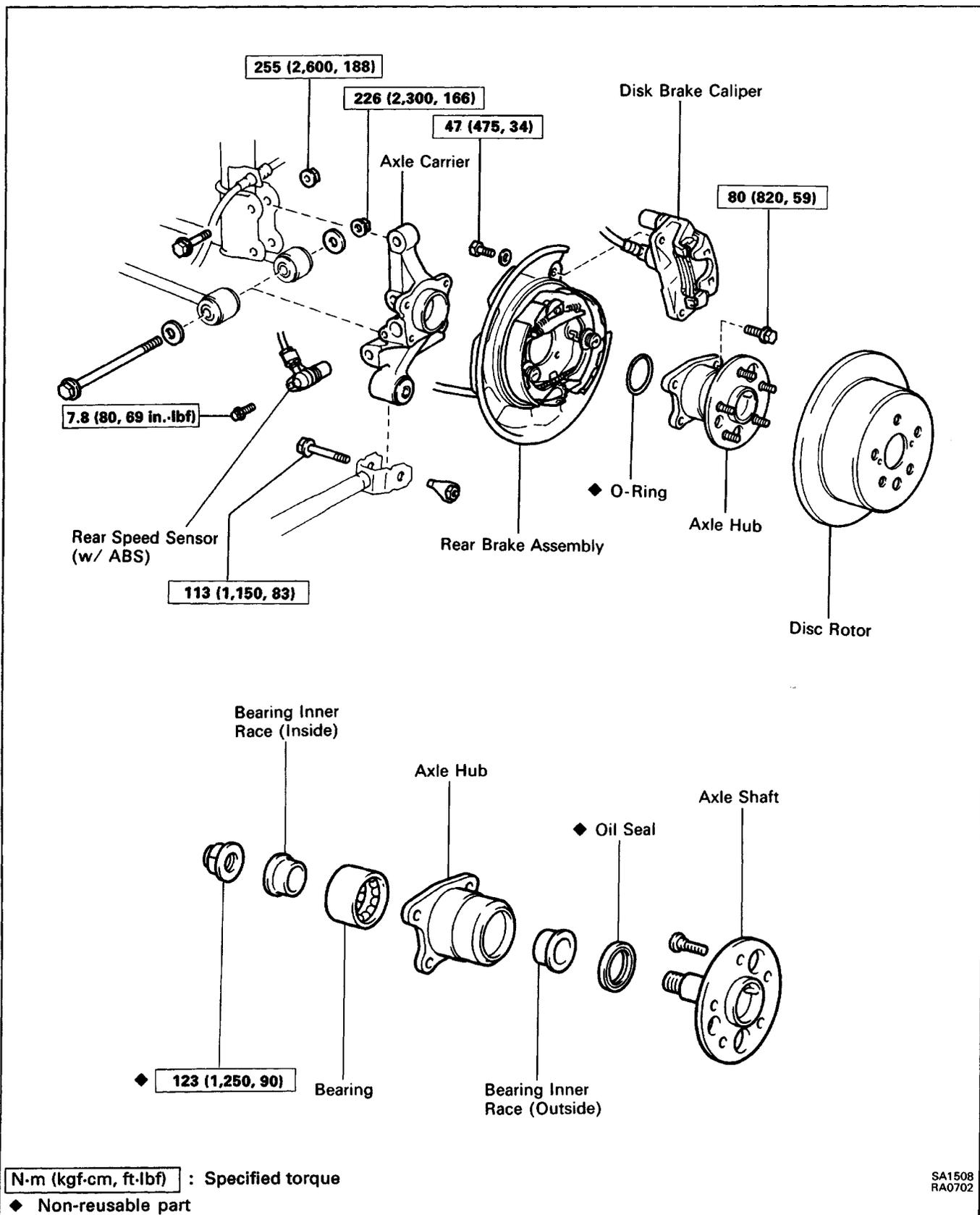
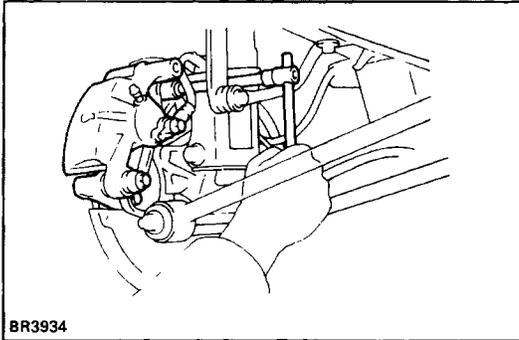


REAR AXLE HUB AND CARRIER (2WD) COMPONENTS





INSPECTION OF AXLE HUB BEARING

1. REMOVE WHEEL

2. (DISC BRAKE TYPE)

REMOVE DISC BRAKE CALIPER

Remove the brake caliper from the axle carrier and suspend it with wire.

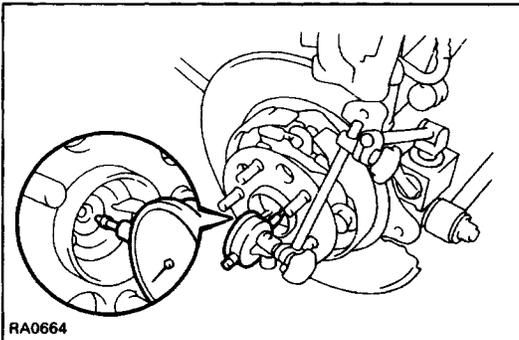
3. ROTATE BRAKE DRUM OR DISC ROTOR

Rotate the drum or disc rotor by hand, if the movement is not smooth and free, replace the axle hub bearing.

4. CHECK BEARING PLAY IN AXIAL DIRECTION

Limit: 0.05 mm (0.0020 in.)

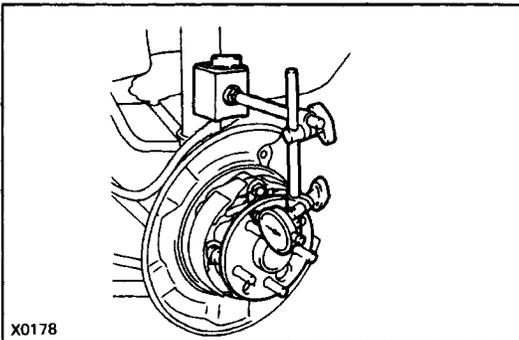
If not within specification, replace the bearing.



5. CHECK AXLE HUB RUNOUT

Maximum runout: 0.07 mm (0.0028 in.)

If not within specification, replace the bearing.

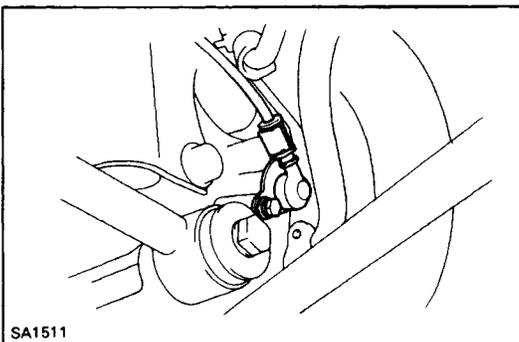


REMOVAL OF REAR AXLE HUB AND CARRIER

1. (W/ ABS)

REMOVE REAR SPEED SENSOR

2. REMOVE BRAKE DRUM OR DISC ROTOR

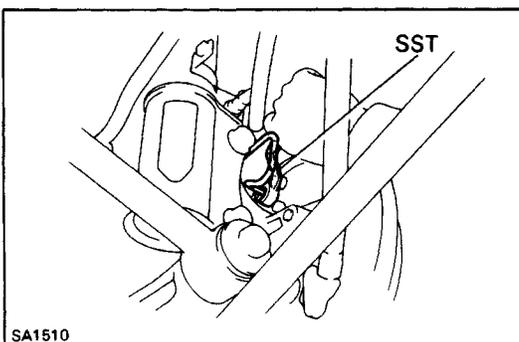


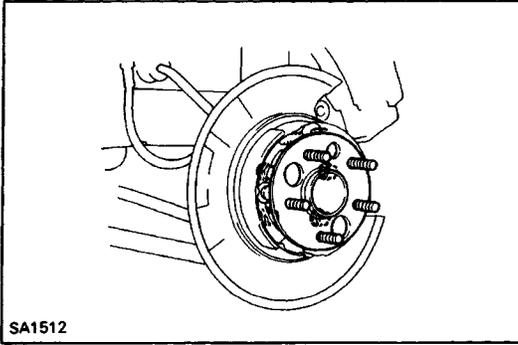
3. (DRUM BRAKE TYPE)

DISCONNECT BRAKE TUBE FROM BACKING PLATE

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

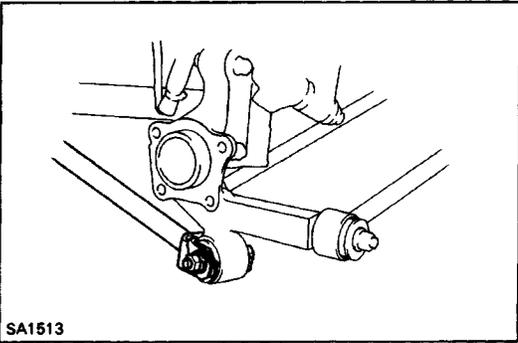
SST 09751-36011





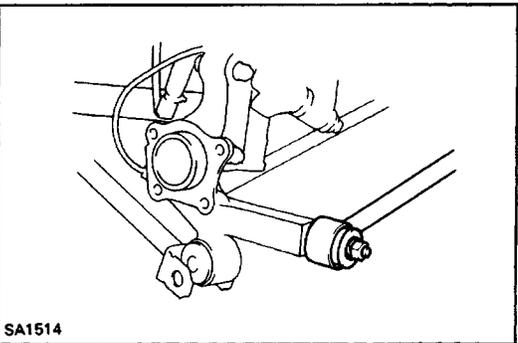
4. REMOVE REAR AXLE HUB

- (a) Remove the four axle hub and carrier mounting bolts.
- (b) Remove the axle hub and brake assembly.
- (c) Remove the O-ring from the axle carrier.

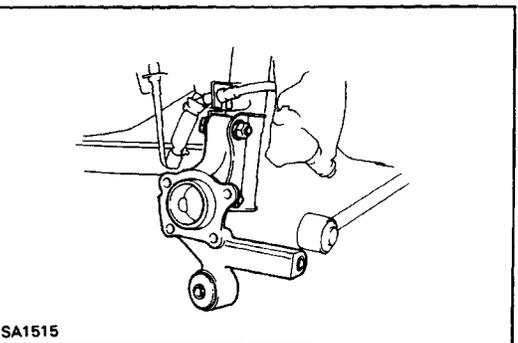


5. REMOVE REAR AXLE CARRIER

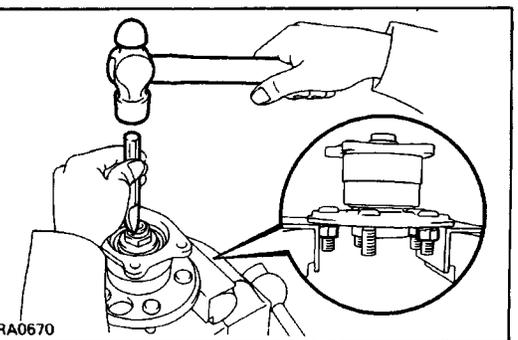
- (a) Remove the strut rod mounting bolt and nut from the axle carrier.



- (b) Remove the No.1 and No.2 suspension arm mounting bolt and nut from the axle carrier.



- (c) Remove the two axle carrier mounting bolts and nuts from the shock absorber.

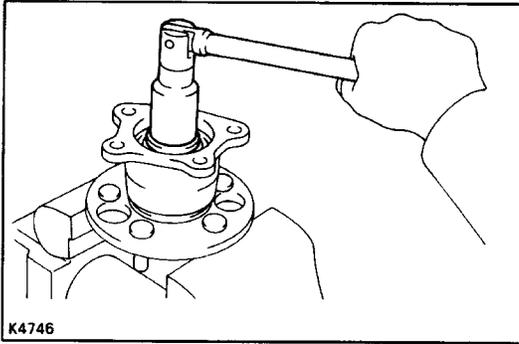


REPLACEMENT OF REAR AXLE HUB AND BEARING (W/O ABS VEHICLE)

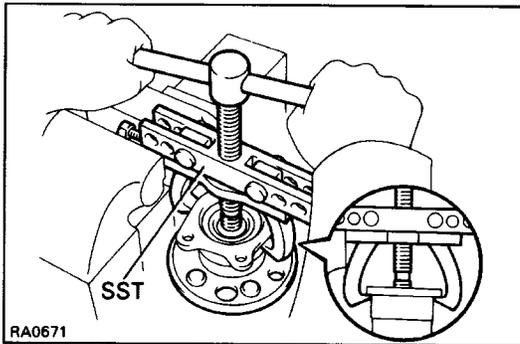
(See page [SA-59](#))

1. REMOVE NUT

- (a) Using a hammer and chisel, unstake the nut.



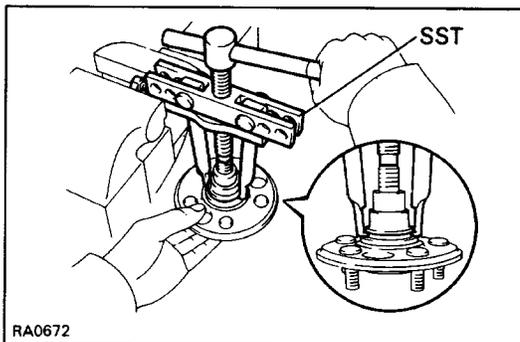
(b) Remove the nut.



2. REMOVE AXLE SHAFT FROM AXLE HUB

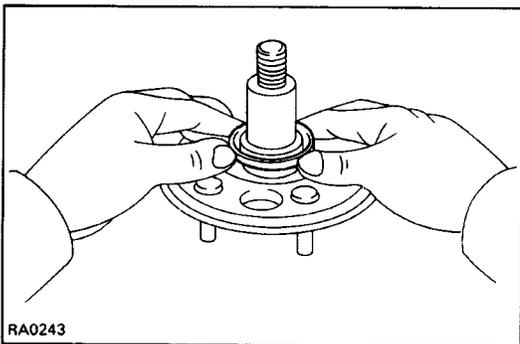
Using SST, push the rear axle shaft off the rear axle hub.
SST 09950-20017

3. REMOVE BEARING INNER RACE (INSIDE)

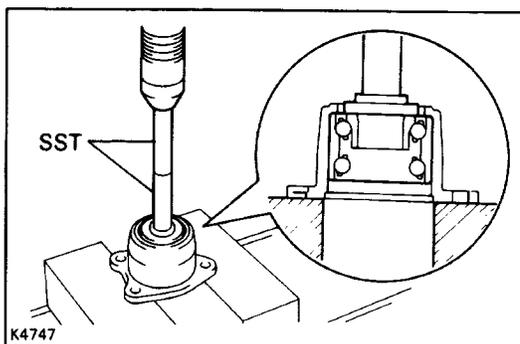


4. REMOVE BEARING INNER RACE (OUTSIDE)

Using SST, pull off the bearing inner race (outside) from the axle shaft.
SST 09950-20017



5. REMOVE OIL SEAL

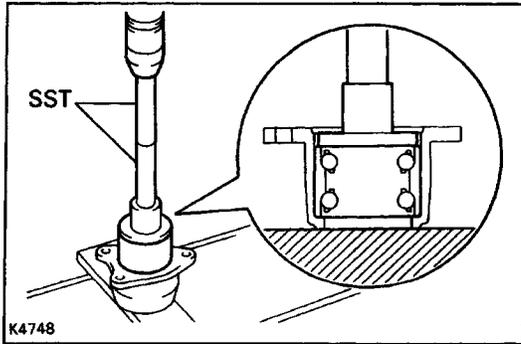


6. REMOVE BEARING

- Remove the inner race (inside).
- Install the inner race to the outside of bearing.
- Using SST, press out the bearing.

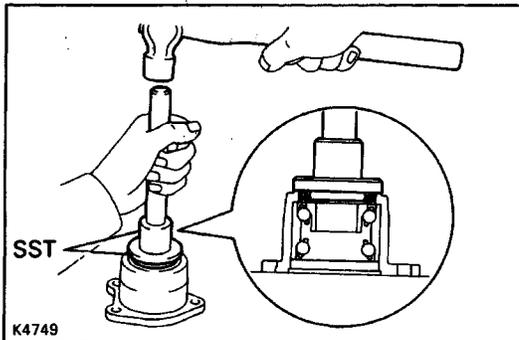
SST 09550-10012 (09552-10010, 09558-10010)

NOTICE: Always replace the bearing as an assembly.



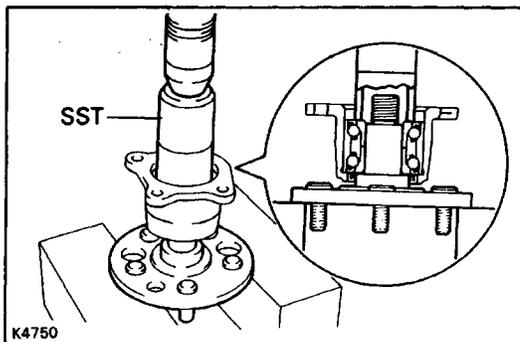
7. INSTALL BEARING

- (a) Apply MP grease around the outer race of a new bearing.
- (b) Using SST, press the bearing into the axle hub.
SST 09550-10012 (09552-10010, 09555-10010)
- (c) Install a new bearing inner race (outside).



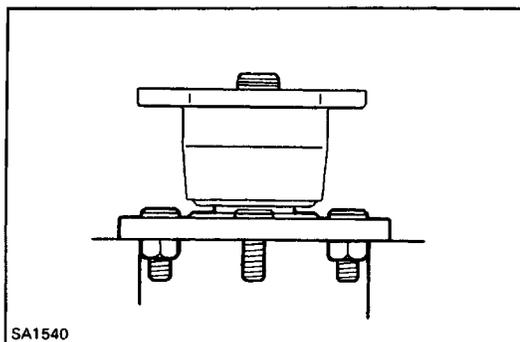
8. INSTALL OIL SEAL

- (a) Using SST, drive a new oil seal into the axle hub.
SST 09550-10012 (09552-10010, 09554-10010)
- (b) Apply IMP grease to the oil seal lip.

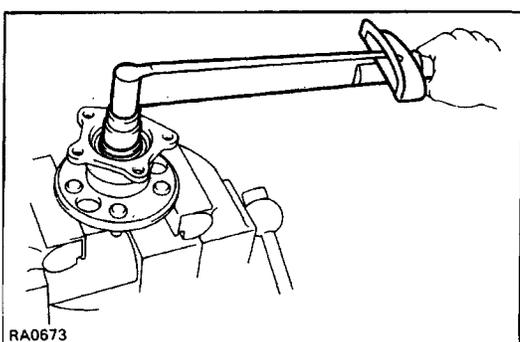


9. INSTALL AXLE SHAFT

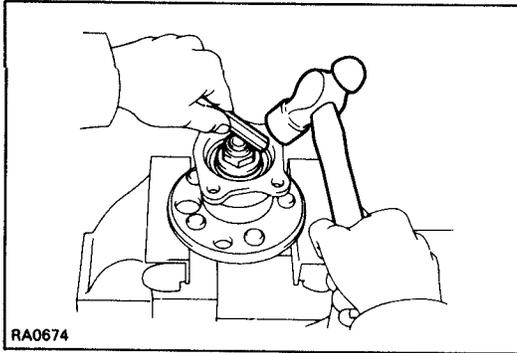
- (a) Install a new bearing inner race (inside).
- (b) Using SST, press the inner races onto the axle shaft.
SST 09636-20010



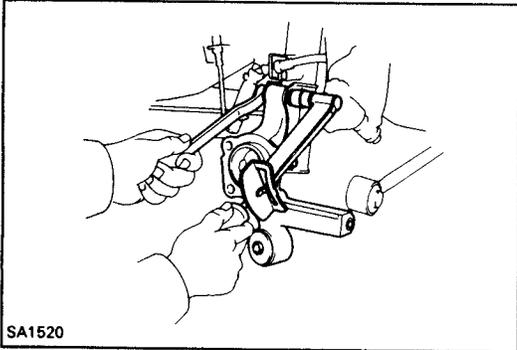
- (c) Finger tighten the three nuts to the axle hub bolts.



- (d) Torque the nut.
Torque: 123 N-m (1,250 kgf-cm, 90 ft-lbf)



(e) Stake the nut.



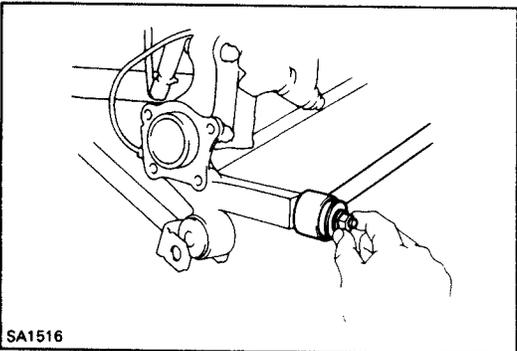
INSTALLATION OF REAR AXLE HUB AND CARRIER

(See page SA-59)

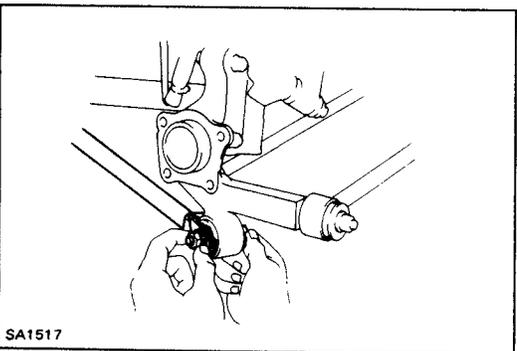
1. INSTALL REAR AXLE CARRIER

- (a) Place the axle carrier in position.
- (b) Install and torque the axle carrier mounting bolts and nuts to the shock absorber.

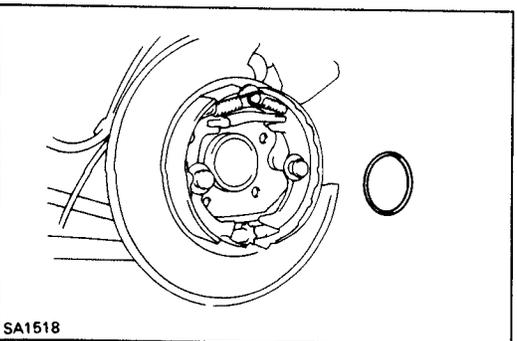
Torque: 255 N-m (2,600 kgf-cm, 188 ft-lbf)



(c) Temporarily install the No.1 and No.2 suspension arm mounting bolt and nut to the axle carrier.

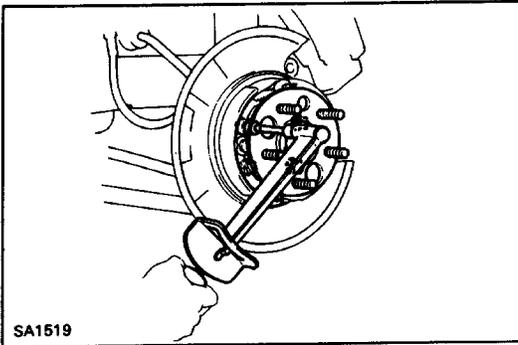


(d) Temporarily install the strut rod mounting bolt and nut to the axle carrier.

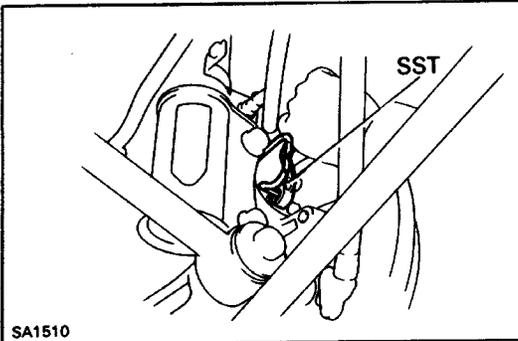


2. INSTALL REAR AXLE HUB

- (a) Install the brake assembly to the axle carrier and hold it.
- (b) Install a new O-ring to the axle carrier.



- (c) Install the axle hub with the four bolts.
Torque the bolts.
Torque: 80 N-m (820 kgf-cm, 59 ft-lbf)



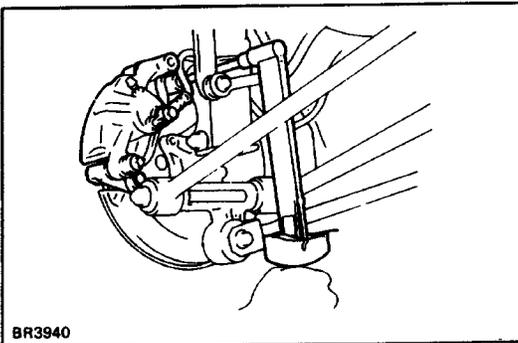
3. (DRUM BRAKE TYPE)

CONNECT BRAKE TUBE

Using SST, connect the brake tube to the axle carrier.
SST 09751-36011

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

4. INSTALL BRAKE DRUM OR DISC ROTOR



5. (DISC BRAKE TYPE)

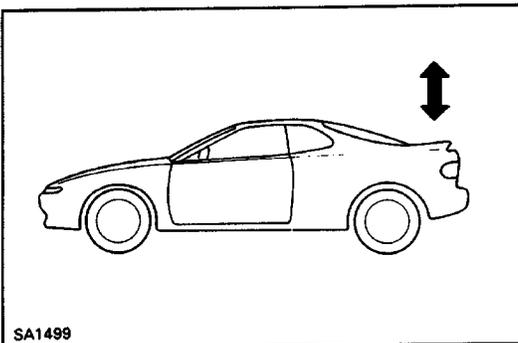
INSTALL BRAKE CALIPER

Torque: 47 N-m (475 kgf-cm, 34 ft-lbf)

6. BLEED BRAKE SYSTEM

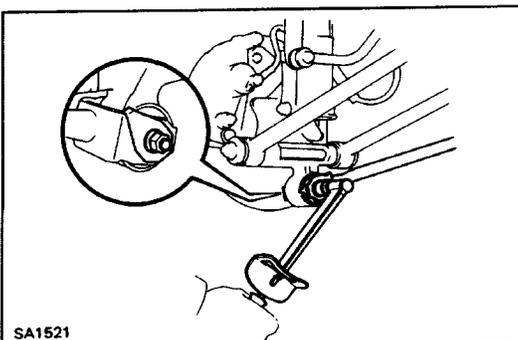
(See page [BR-7](#))

7. INSTALL WHEEL



8. TORQUE EACH MOUNTING BOLTS AND NUTS

- (a) Remove the stands and bounce the vehicle to stabilize the suspension.



- (b) Torque the mount bolts and nuts with the vehicle weight on the suspension.

Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf) Strut rod

226 N-m (2,300 kgf-cm, 166 ft-lbf) Suspension

arm

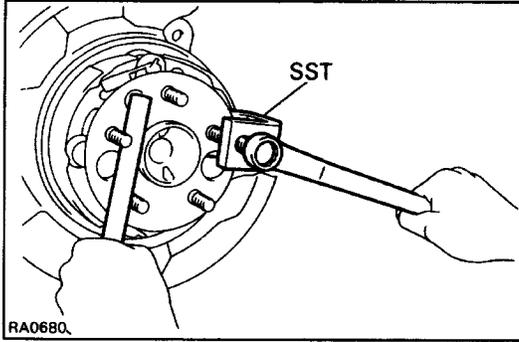
9. CHECK REAR WHEEL ALIGNMENT

(See page [SA-6](#))

REPLACEMENT OF REAR AXLE HUB BOLT

1. REMOVE DISC ROTOR OR BRAKE DRUM
2. REMOVE HUB BOLT

Using SST, remove the hub bolt.
SST 09628-10011



3. INSTALL HUB BOLT

Using a washer and nut (10 mm), install the new hub bolt.

4. INSTALL BRAKE DRUM OR DISC ROTOR

- (a) Install the brake drum or disc rotor.
- (b) (Disc brake type)
Install the brake caliper.

Torque: 47 N-m (475 kgf-cm, 34 ft-lbf)

