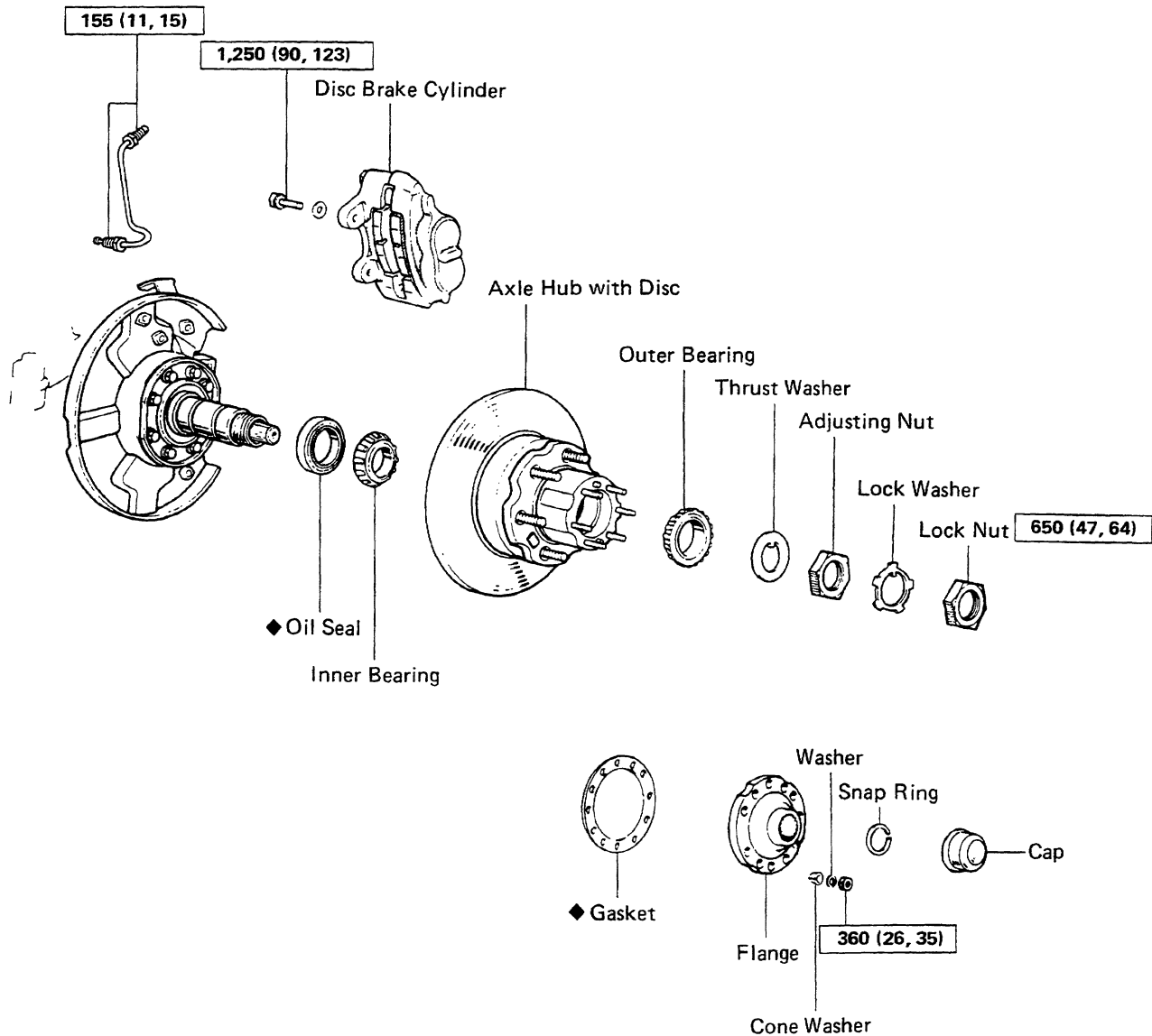
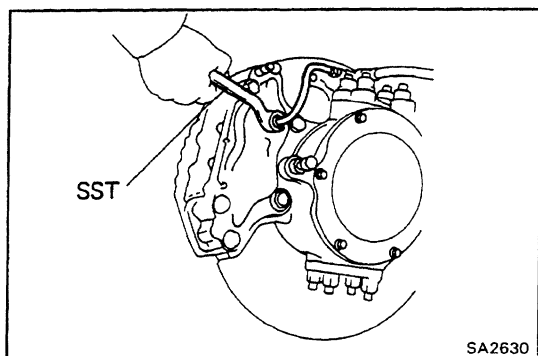


FRONT AXLE HUB COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque

◆ Non-reusable part

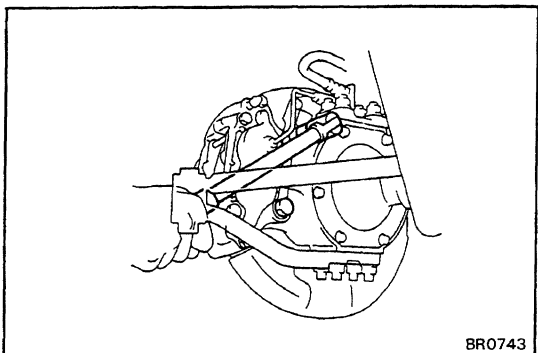


DISASSEMBLY OF FRONT AXLE HUB

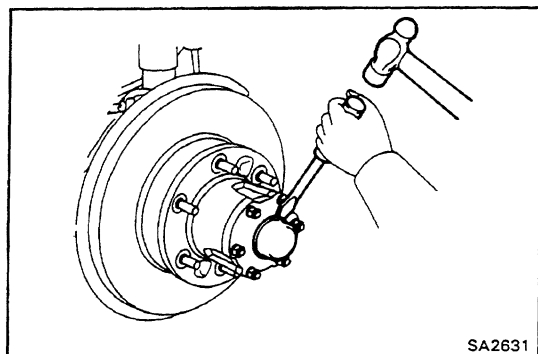
(See page [SA-6](#))

1. REMOVE DISC BRAKE CYLINDER

- (a) Using SST, disconnect the brake tube.
SST 09751-36011

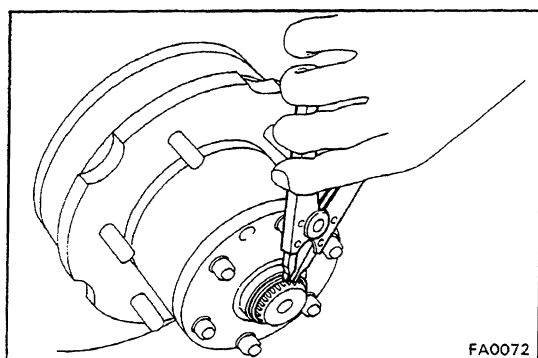


- (b) Remove the two bolts and brake cylinder.

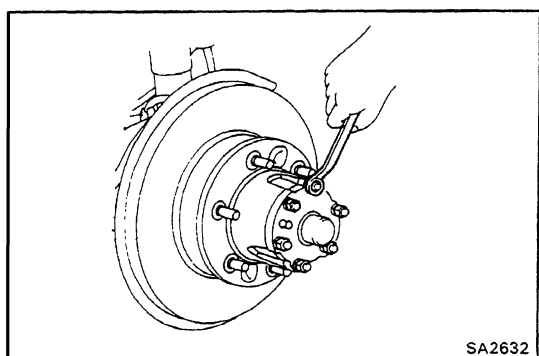


2. REMOVE FLANGE

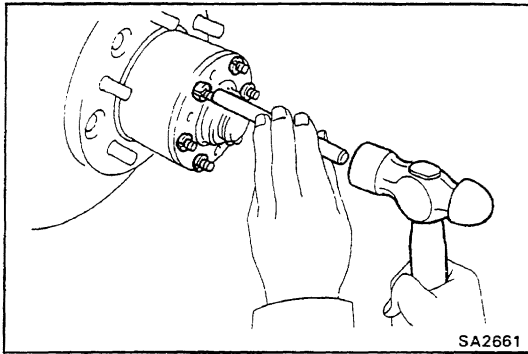
- (a) Using a screwdriver and hammer, remove the grease cap from the flange.



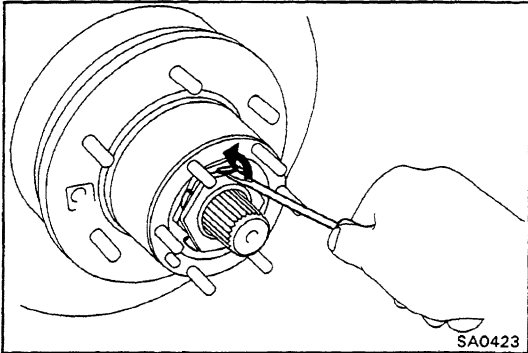
- (b) Using snap ring pliers, remove the snap ring.



- (c) Remove the six mounting nuts.

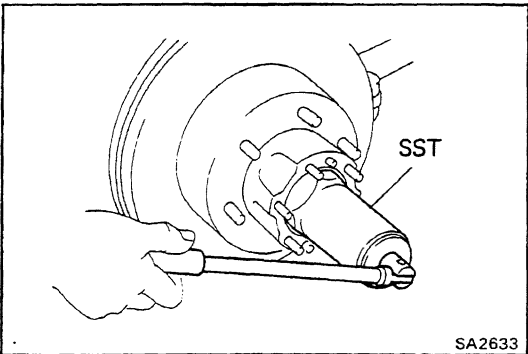


- (d) Using a brass bar and hammer, tap the bolts heads and remove the cone washers.
- (e) Pull out the flange.

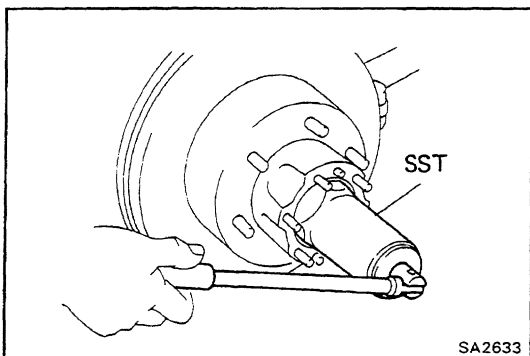


3. REMOVE AXLE HUB WITH DISC

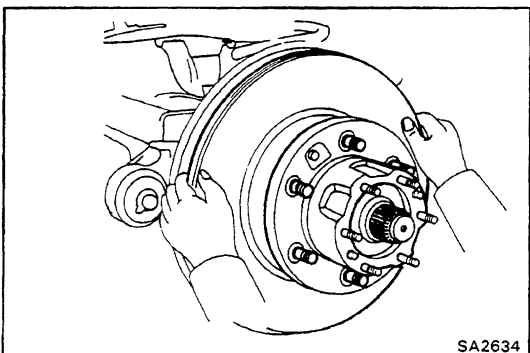
- (a) Using a screwdriver, release the lock washer.



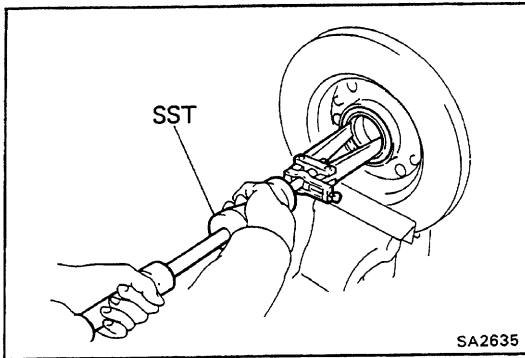
- (b) Using SST, remove the lock nut.
SST 09607-60020
- (c) Remove the lock washer.



- (d) Using SST, remove the adjusting nut.
SST 09607-60020

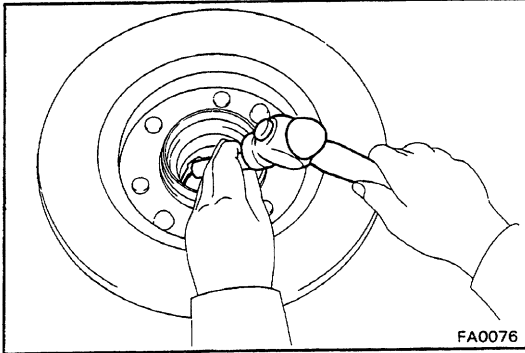


- (e) Remove the axle hub with the disc.



4. REMOVE INNER BEARING AND OIL SEAL

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



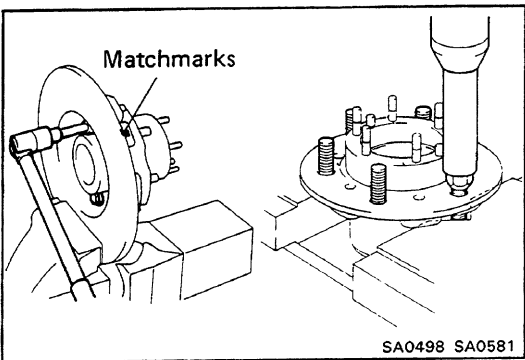
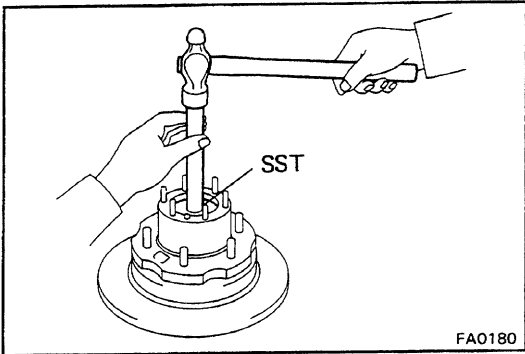
INSPECTION AND REPAIR OF FRONT AXLE HUB

1. INSPECT BEARING

Clean the bearings and outer races and inspect them for wear or damage.

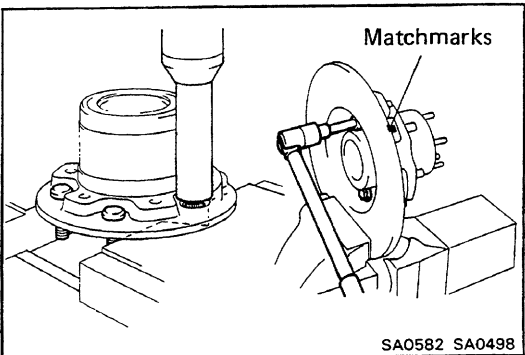
2. REPLACE BEARING OUTER RACE

- (a) Using a brass bar and hammer, drive out the bearing outer race.
- (b) Using SST, carefully drive in a new bearing outer race.
SST 09608-35014
Inner Bearing (09608-06020, 09608-06210)
Outer Bearing (09608-06020, 09608-06200)

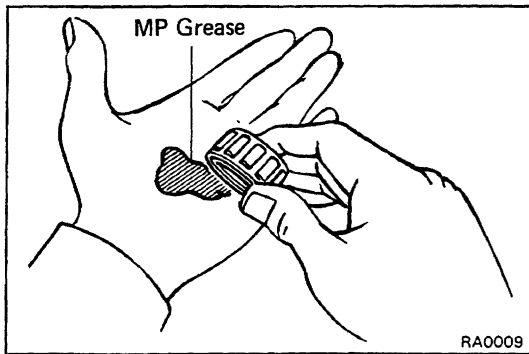


3. REPLACE HUB BOLTS

- (a) Place matchmarks on the axle hub and rotor disc.
- (b) Remove the six bolts and rotor disc from the axle hub.
- (c) Install the nut to the hub bolt.
- (d) Using an extension bar and press, press out the hub bolt.



- (e) Using an extension bar and press, press in new hub bolt.
- (f) Align the matchmarks on the axle hub and rotor disc.
- (g) Install and torque the six bolts.
Torque: 650 kg-cm (47 ft-lb, 64 N-m)

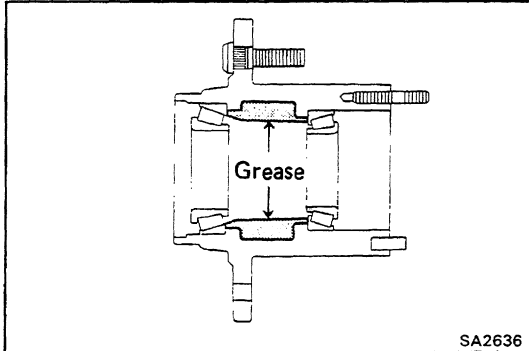


ASSEMBLY OF FRONT AXLE HUB

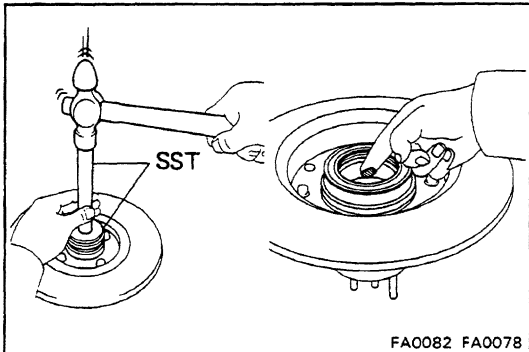
(See page SA-6)

1. PACK BEARINGS WITH MP GREASE

- Place MP grease in the palm of your hand.
- Pack grease into the bearing and continue until the grease oozes out from the outer side.
- Do the same around the bearing.

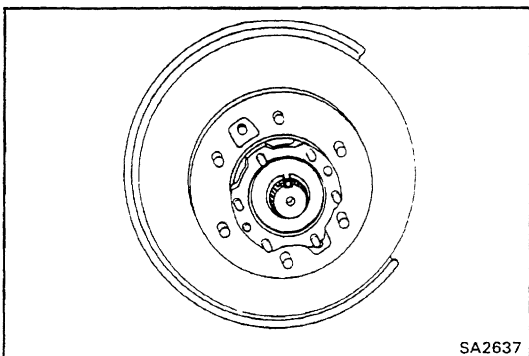


2. COAT INSIDE OF HUB AND CAP WITH MP GREASE



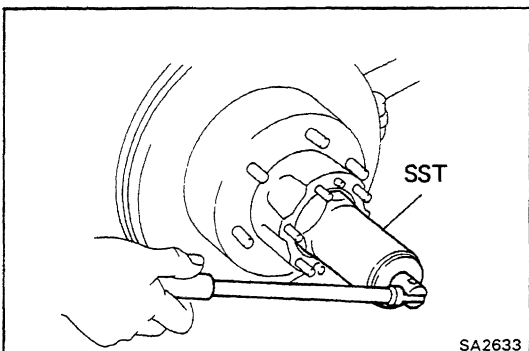
3. INSTALL INNER BEARING AND OIL SEAL

- Place inner bearing into the hub.
- Using SST, drive in the oil seal into the hub.
SST 09608-35014 (09608-08020, 09608-06 150)
- Coat the oil seal with MP grease.



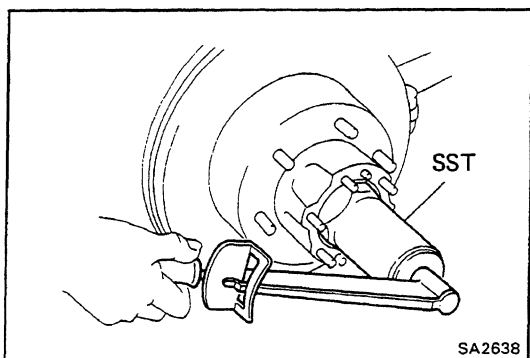
4. INSTALL AXLE HUB ON SPINDLE

- Place the axle hub on the spindle.
- Install the outer bearing and thrust washer.
- Install the thrust washer.



5. ADJUST PRELOAD

- Using SST, torque the bearing adjusting nut.
SST 09607-60020
Torque: 600 kg-cm (43 ft-lb, 59 N-m)
- Turn the hub right and left two or three times.
- Loosen the nut until it can be turned by hand.

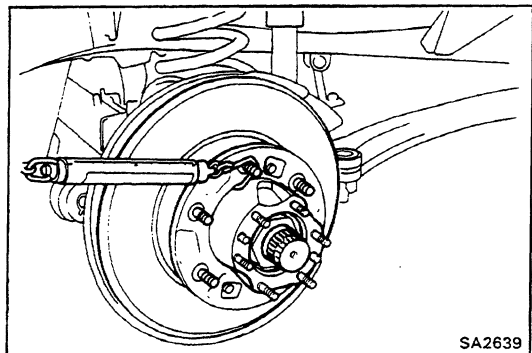


(d) Using SST, retorque the bearing adjusting nut.

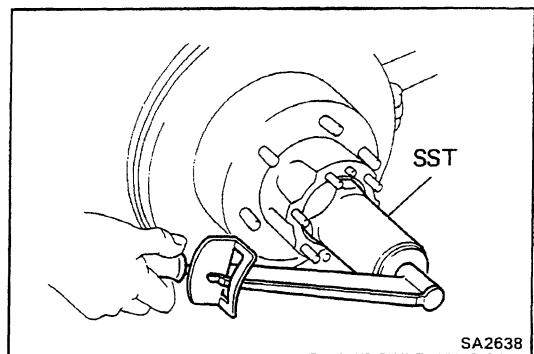
SST 09607-60020

Torque: 600 kg-cm (43 ft-lb, 59 N-m)

(e) Loosen the nut until it can be turned by hand.

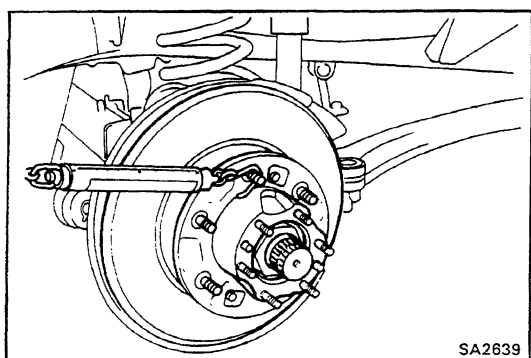


(f) Using a spring tension gauge, measure the frictional force of the oil seal at the hub bolt.



(g) Retorque the adjusting nut.

Torque: 55 kg-cm (48 ft-lb, 5.4 N-m)

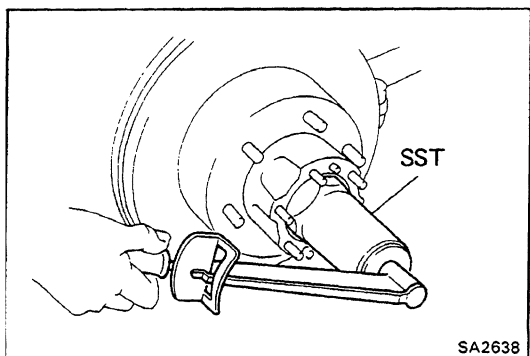


(h) Using a spring tension gauge, measure preload.

Preload (starting):

Frictional force plus 2.8 - 5.7 kg

(6.2 - 12.6 lb, 27 - 56 N)



6. INSTALL LOCK WASHER AND LOCK NUT

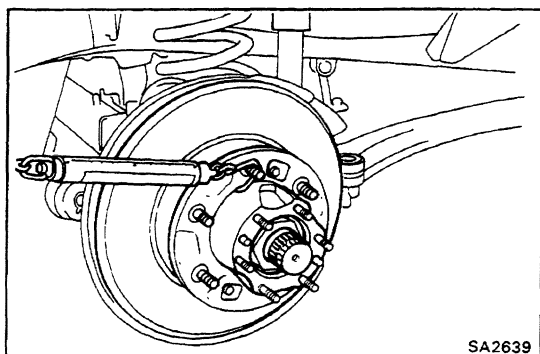
(a) Install the lock washer and lock nut.

(b) Using SST, torque the lock nut.

SST 09507-00020

Torque: 650 kg-cm (47 ft-lb, 63 N-m)

(c) Check that the bearing has no play.



SA2639

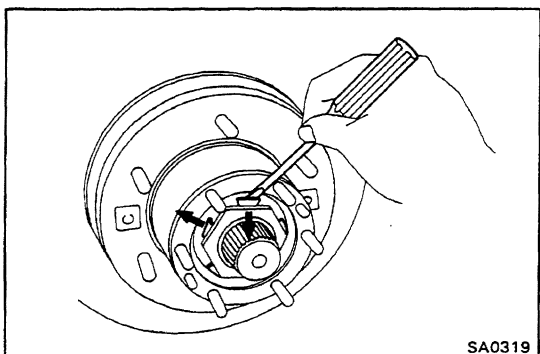
(d) Using a spring tension gauge, check the preload.

Preload (starting):

Frictional force plus 2.8 – 5.7 kg

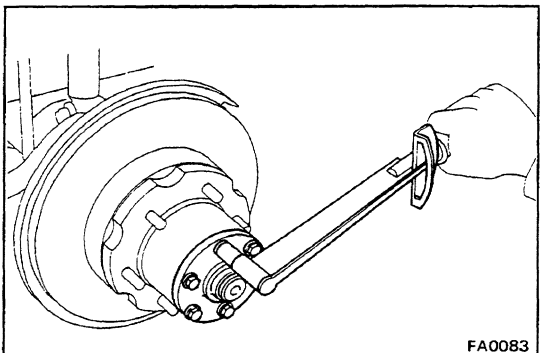
(6.2– 12.61b, 27–56N)

If not within specification, adjust with the adjusting nut.



SA0319

(e) Secure the lock nut by bending one of the lock washer tooth inward and another lock washer tooth outward.



FA0083

7. INSTALL FLANGE

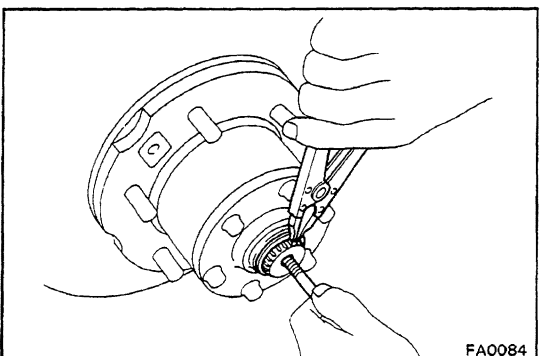
(a) Place a new gasket in position on the axle hub.

(b) Install the flange to the axle hub.

(c) Install the six cone washers and nuts.

Torque the nuts.

Torque: 360 kg-cm (26 ft-lb, 35 N-m)



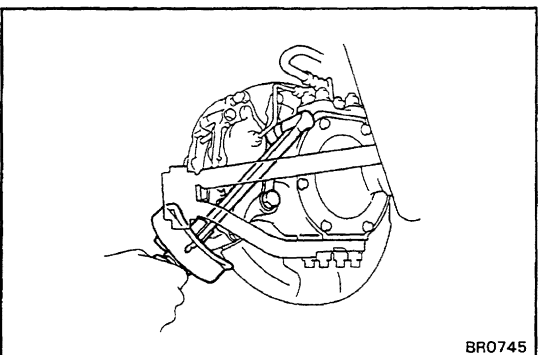
FA0084

(d) Install the bolt in the axle shaft and pull it out.

(e) Using snap ring pliers, install the snap ring.

(f) Remove the bolts.

(g) install the cap to the flange.

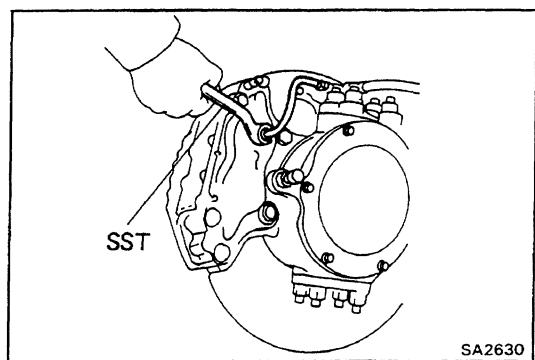


BR0745

8. INSTALL BRAKE CYLINDER

(a) Install the brake cylinder to the steering knuckle.

Torque: 1,250 kg-cm (90 ft-lb, 123 N-m)



(b) Using SST, connect the brake tube.

SST 09751-36011

Torque: 155 kg-cm (11 ft-lb, 15 N-m)

9. BLEED BRAKE LINE

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