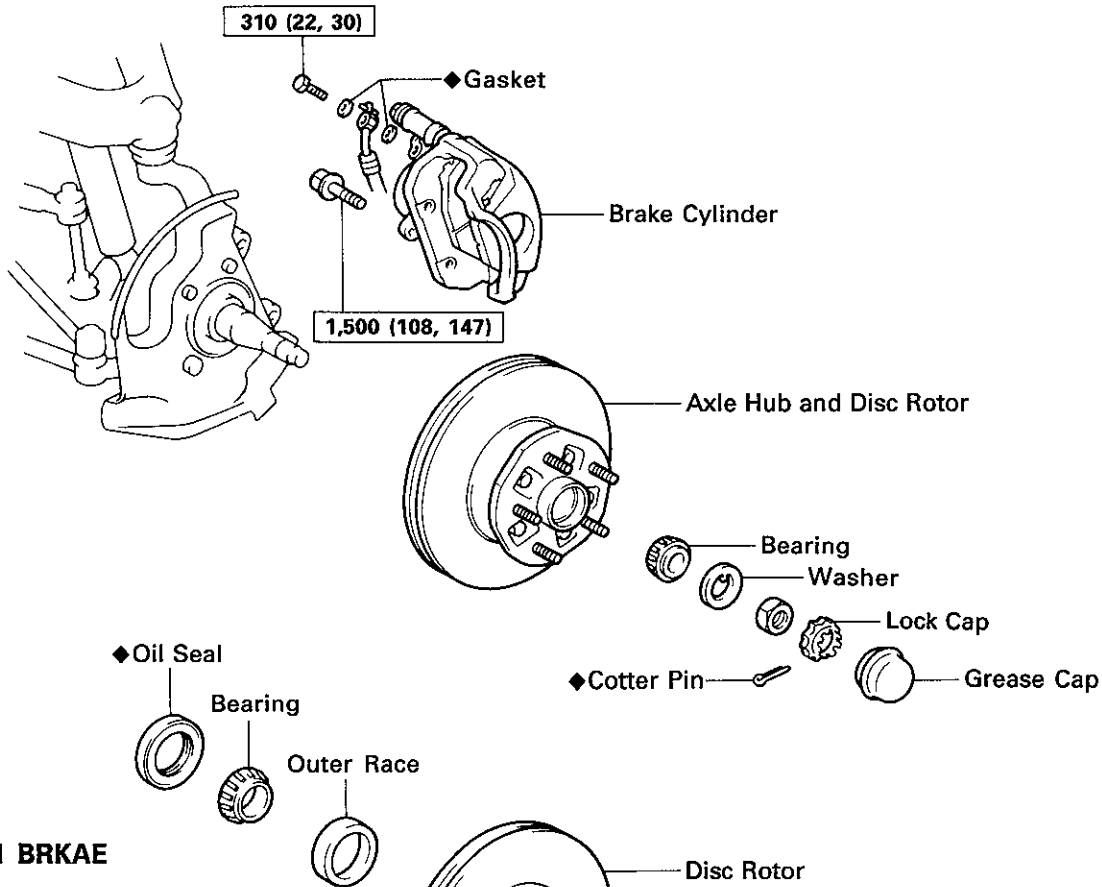
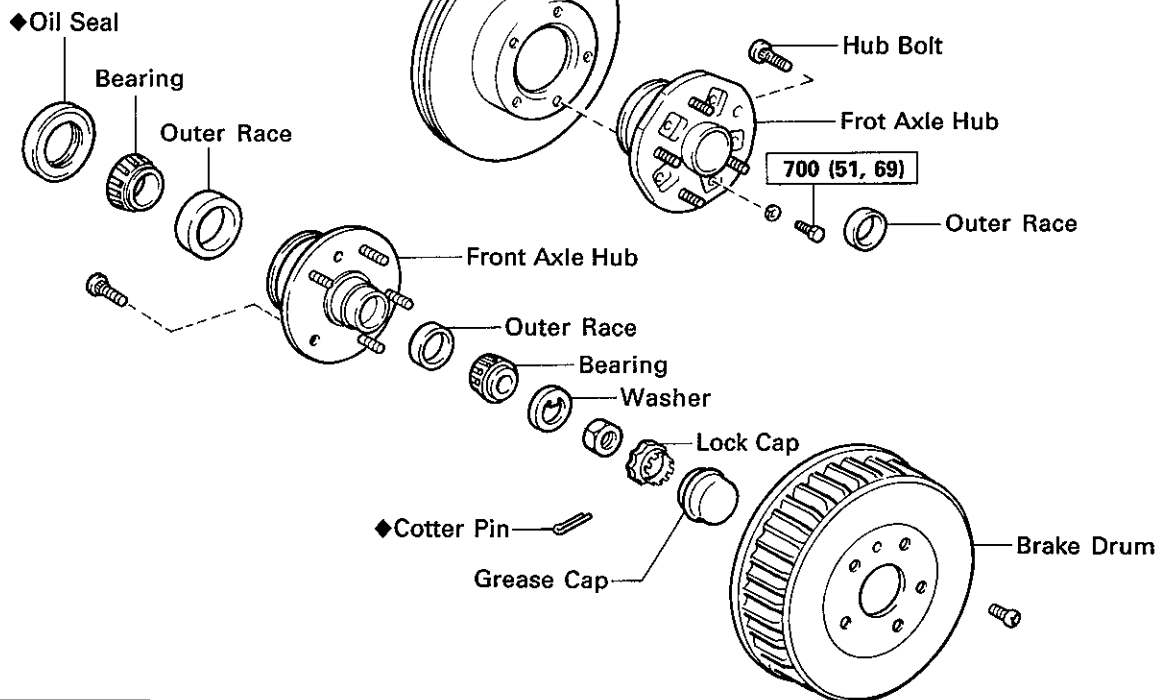
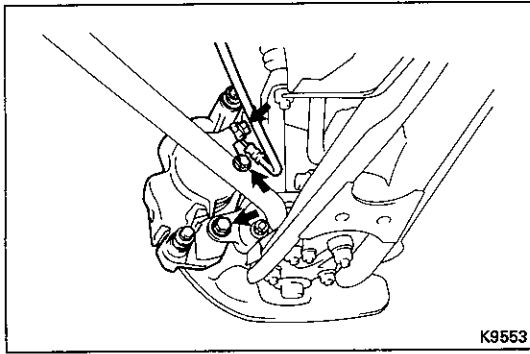


**FRONT AXLE / 2WD****Front Axle Hub****COMPONENTS****DISC BRAKE****DRUM BRAKE**

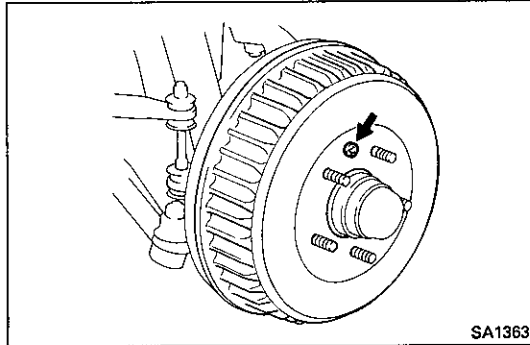
kg-cm (ft-lb, N-m) : Specified torque

◆ Non-reusable part

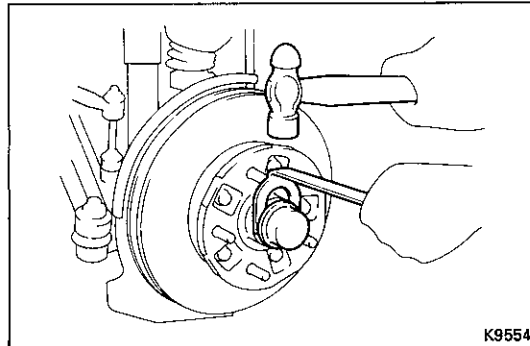


## REMOVAL OF FRONT AXLE HUB

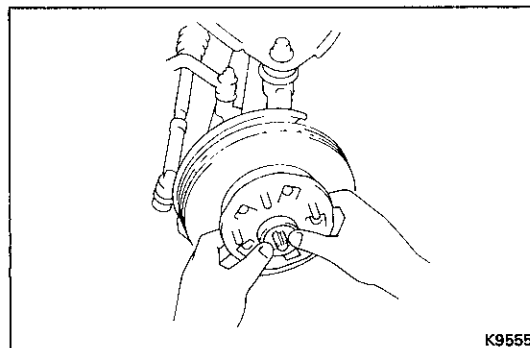
1. JACK UP VEHICLE AND REMOVE WHEEL
2. (DISC BRAKE)  
REMOVE FRONT BRAKE CYLINDER
  - (a) Disconnect the brake hose from the front brake cylinder.
  - (b) Remove the two bolts and front brake cylinder.



3. (DRUM BRAKE)  
REMOVE FRONT BRAKE DRUM  
Remove the screw and the front brake drum.

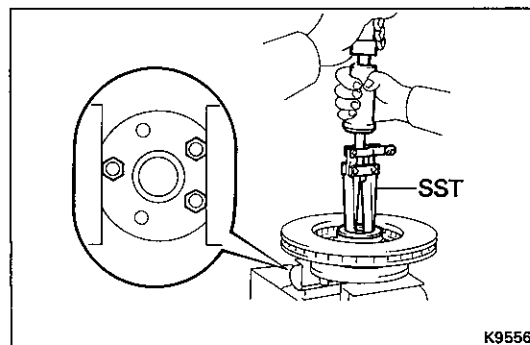


4. REMOVE FRONT AXLE HUB
  - (a) Remove the grease cap.
  - (b) Remove the cotter pin, lock cap and lock nut.



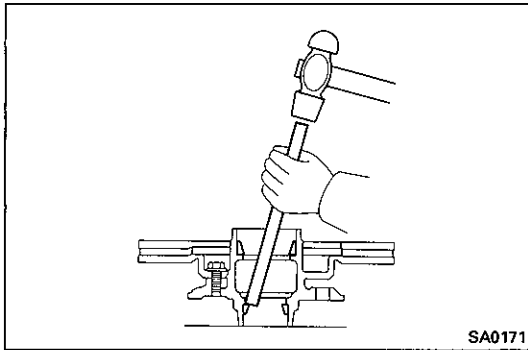
- (c) Remove the front axle hub, bearing and washer.

**NOTICE:** Be careful not to drop the bearing.



## DISASSEMBLY OF FRONT AXLE HUB

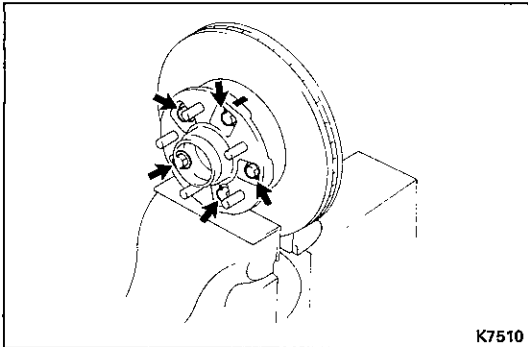
1. REMOVE OIL SEAL
    - (a) Install the three nuts as shown in the illustration.
    - (b) Using soft jaws, clamp the front axle hub in a vise.
    - NOTICE:** Do not apply too much force to the hub bolts.
    - (c) Using SST, remove the oil seal.
- SST 09308-00010



## 2. REMOVE BEARING OUTER RACES

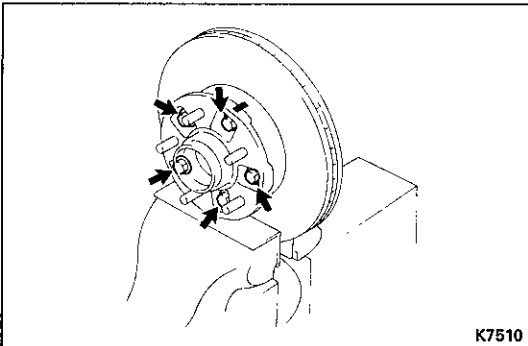
**NOTICE:** Do not remove the outer vace except when replacing the bearing.

Using a brass bar and hammer, drive out the outer races from the axle hub.



## 3. (DISC BRAKE) REMOVE DISC ROTOR

- Using soft jaws, clamp the disc rotor in a vise.
- Place match marks on the axle hub and disc rotor.
- Remove the five bolts and separate the disc rotor from the axle hub.

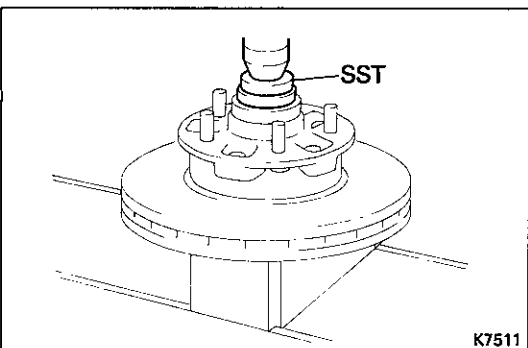


## ASSEMBLY OF FRONT AXLE HUB

### 1. (DISC BRAKE) INSTALL DISC ROTOR

- Align the matchmarks on the axle hub and disc rotor and install the disc rotor on the axle hub.
- Tighten the five bolts.

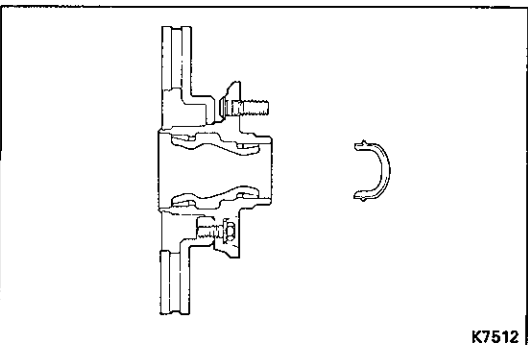
**Torque:** 700 kg-cm (51 ft-lb, 69 N-m)



### 2. INSTALL BEARING OUTER RACES

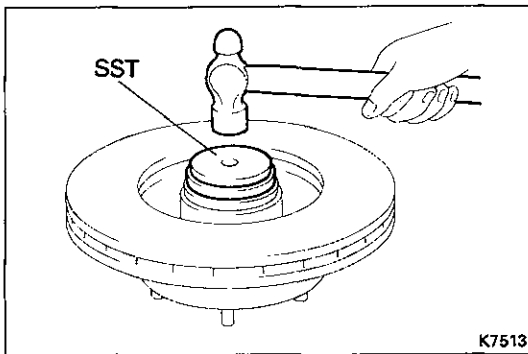
Using SST and a press, install new bearing outer races.

SST Outside	09608-30012 (09608-04060)
Inside	09608-30012 (09608-00060)



### 3. INSTALL OIL SEAL

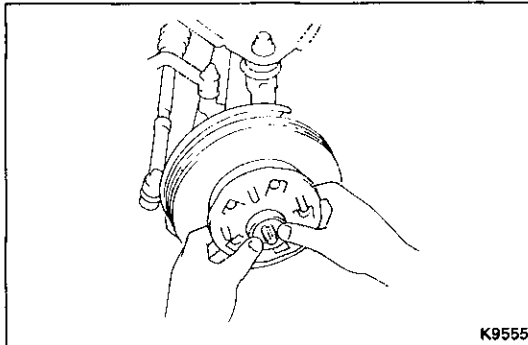
- Pack the bearings with MP grease.
- Coat the inside of the axle hub and grease cap with MP grease.



- (c) Install the inner bearing in the axle hub.
- (d) Using SST and a hammer, install a new oil seal until its end is flush with the surface of the axle hub.

SST 09608-30012 (09608-04100)

- (e) Coat the lip of the oil seal with MP grease.



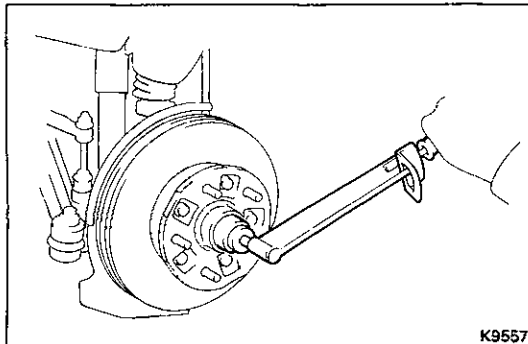
## INSTALLATION OF FRONT AXLE HUB

### 1. INSTALL FRONT AXLE HUB

- (a) Install the front axle hub on the steering knuckle.

**NOTICE:** Be careful not to damage the oil seal.

- (b) Install outer bearing and washer.



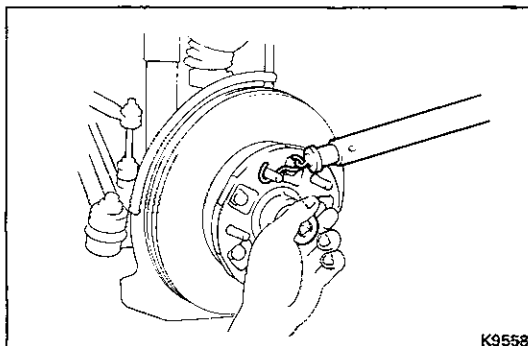
### 2. ADJUST BEARING PRELOAD

- (a) Install and torque the lock nut.

**Torque:** 300 kg-cm (22 ft-lb, 29 N-m)

- (b) Rotate the axle hub back and forth to settle the bearings.

- (c) Loosen the lock nut until it can be turned by hand.



- (d) Using a spring tension gauge, measure the rotational friction of the oil seal.

- (e) Adjust the preload by tightening the nut.

**Preload (rotating):**

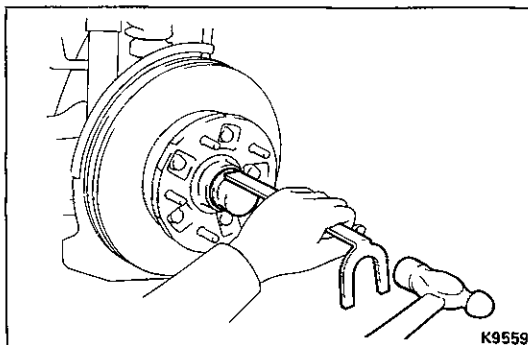
**Additional rotational friction**

600 – 1,800 g

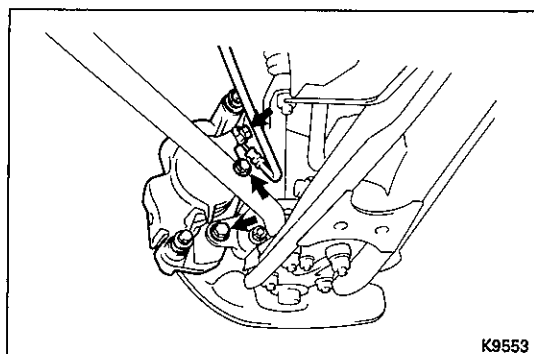
(1.3 – 4.0 lb, 5.9 – 17.7 N)

- (f) Check that there is no axial play in the bearings.

- (g) Install the lock cap and a new cotter pin.



### 3. INSTALL GREASE CAP



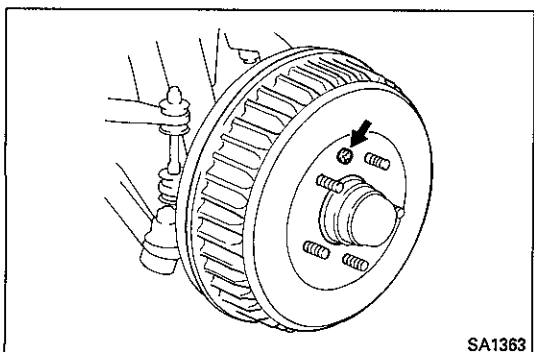
K9553

**4. (DISC BRAKE)  
INSTALL FRONT BRAKE CYLINDER**

- (a) Install the front brake cylinder and tighten the two bolts.

**Torque: 1,100 kg-cm (80 ft-lb, 108 N·m)**

- (b) Connect the brake hose to the brake cylinder over two new gaskets.  
(c) Bleed the brake system and check for fluid leakage.

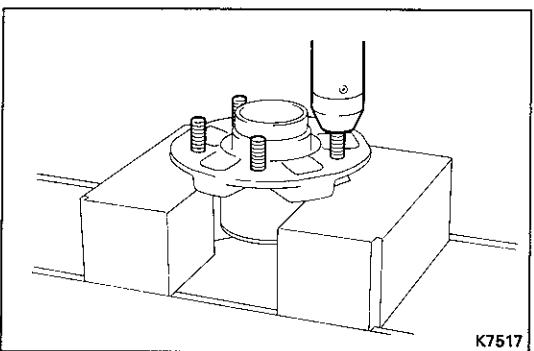


SA1363

**5. (DRUM BRAKE)  
INSTALL FRONT BRAKE DRUM**

Install the front brake drum and the screw.

**6. INSTALL WHEEL AND JACK DOWN VEHICLE**



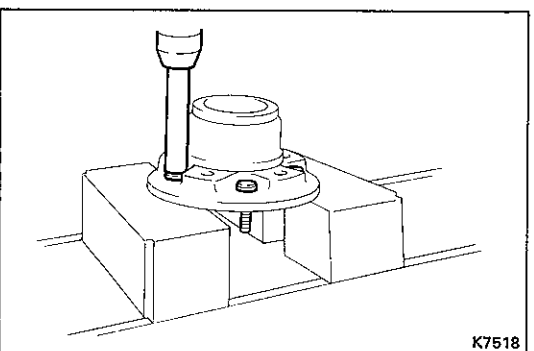
K7517

**REPLACEMENT OF HUB BOLT**

**1. REMOVE FRONT AXLE HUB  
(See page SA-13)**

**2. REMOVE HUB BOLT**

Using a press, remove the hub bolt.



K7518

**3. INSTALL HUB BOLT**

Using a bar and press, install a new hub bolt.

**4. INSTALL FRONT AXLE HUB  
(See page SA-15)**