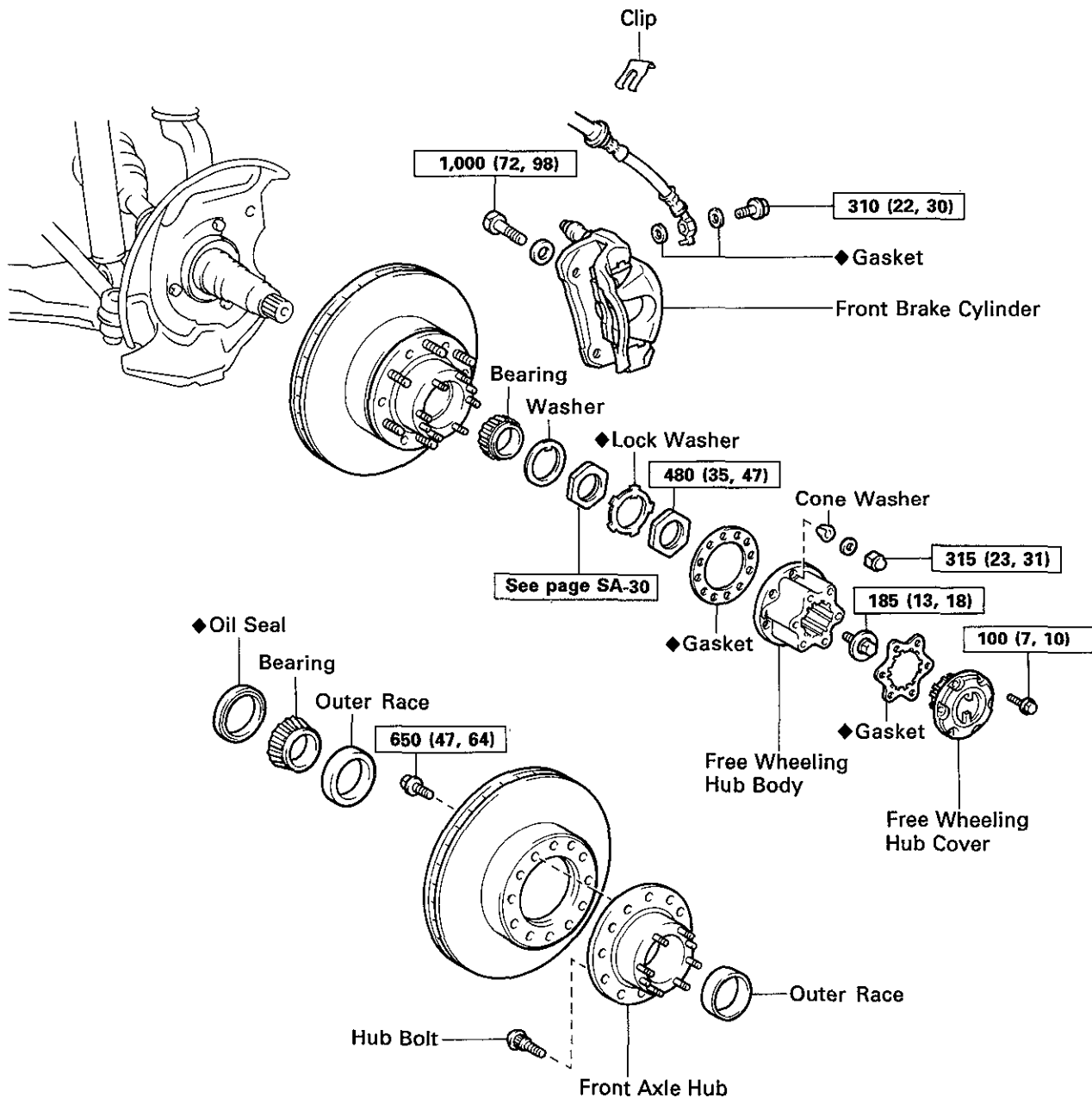


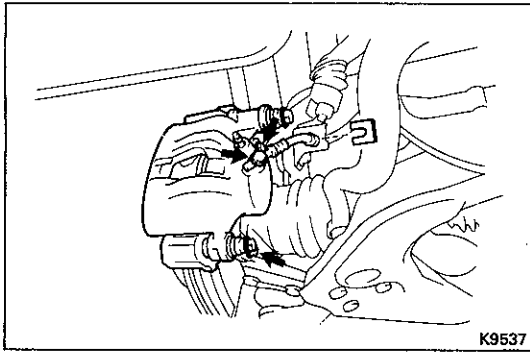
## Front Axle Hub

### COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque

◆ Non-reusable part



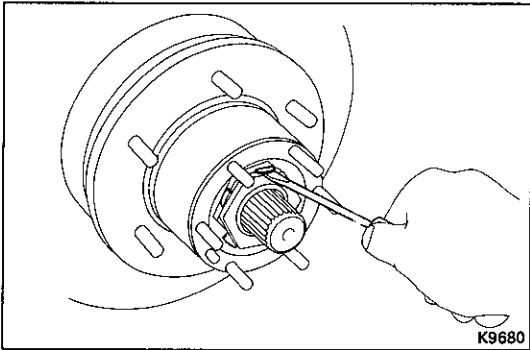
## REMOVAL OF FRONT AXLE HUB

### 1. REMOVE FREE WHEELING HUB

(See page SA-22)

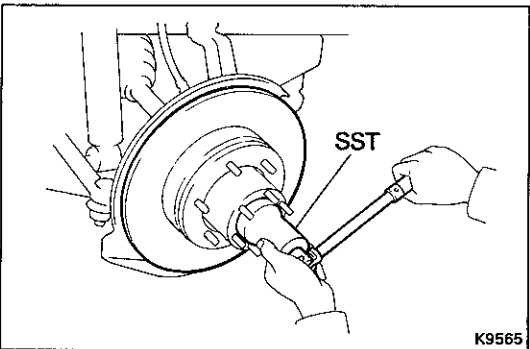
### 2. REMOVE BRAKE CYLINDER

- (a) Remove the bolt and clip, disconnect the brake hose from the brake cylinder.
- (b) Remove the two bolts and brake cylinder.



### 3. REMOVE FRONT AXLE HUB

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



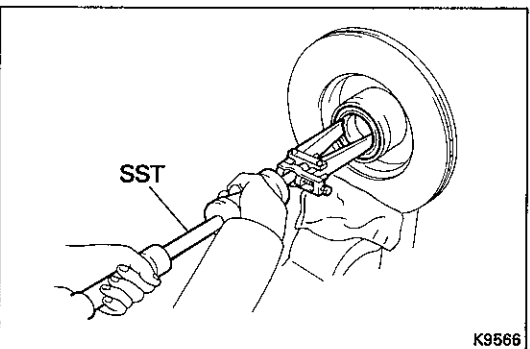
- (b) Using SST, remove the lock nut.

SST 09607-60020

- (c) Remove the lock washer and adjusting nut.

- (d) 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

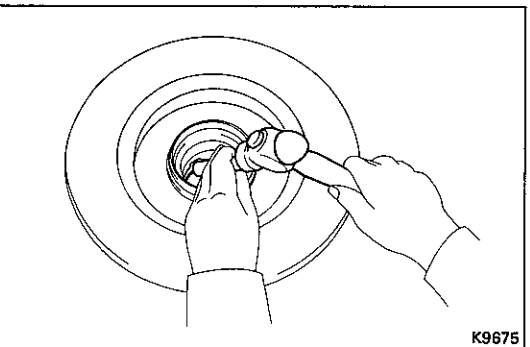
- (a) Using soft jaws, clamp the disc rotor in a vise.

- (b) Using SST, remove the oil seal.

SST 09308-00010

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

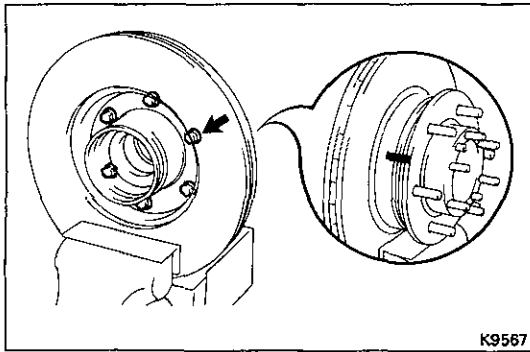
- (c) Remove the inner bearing.



### 2. REMOVE BEARING OUTER RACES

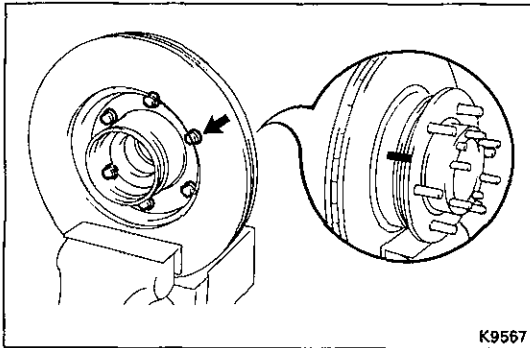
**NOTICE:** Do not remove the outer race except when replacing the bearing.

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



### 3. REMOVE DISC ROTOR

- (a) Using soft jaws, clamp the disc rotor in a vise.
- (b) Place matchmarks on the axle hub and the disc rotor.
- (c) Remove the six bolts and separate the disc rotor from the axle hub.

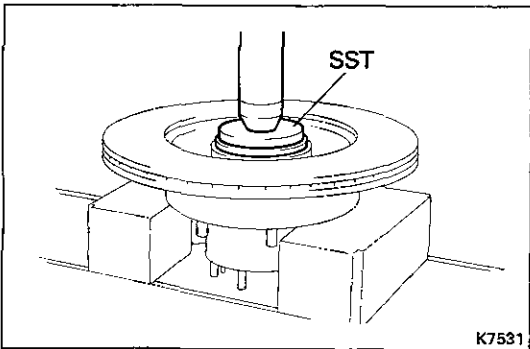


## ASSEMBLY OF FRONT AXLE HUB

### 1. INSTALL DISC ROTOR

- (a) Align the matchmarks on the axle hub and disc rotor and install the disc rotor on the axle hub.
- (b) Tighten the six bolts.

**Torque: 650 kg-cm (47 ft-lb, 64 N-m)**

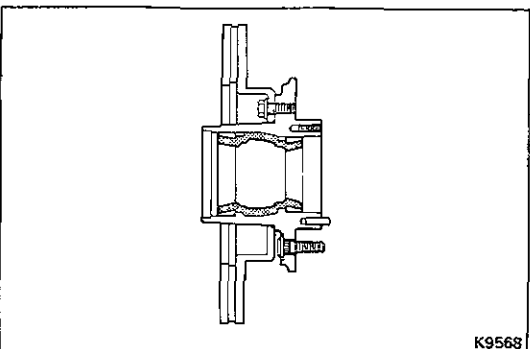


### 2. INSTALL BEARING OUTER RACES

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

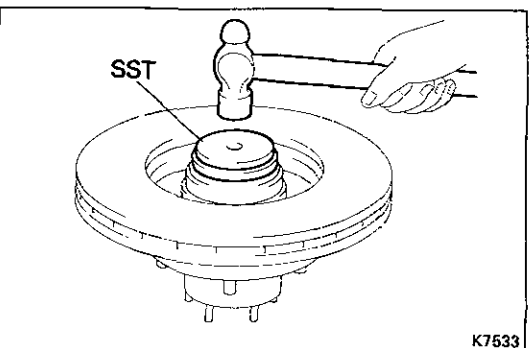
SST Outside 09608-35014 (09608-06200)

Inside 09608-35014 (09608-06210)



### 3. INSTALL OIL SEAL

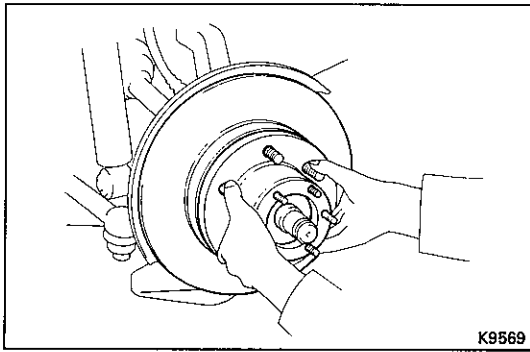
- (a) Pack the bearings with MP grease.
- (b) Coat the inside of the axle hub with MP grease.



- (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 09608-35014 (09608-06150)

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



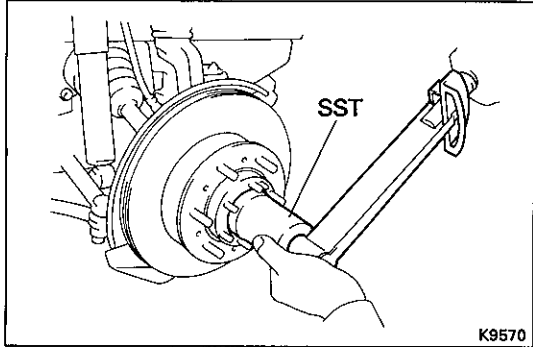
## INSTALLATION OF FRONT AXLE HUB

### 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) Using SST, install and torque the adjusting nut.

SST 09607-60020

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

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

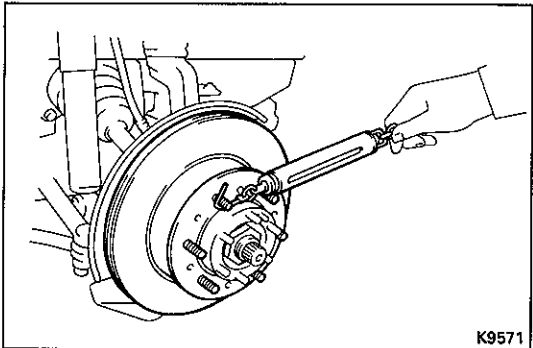
(c) Loosen the adjusting nut until it can be turned by hand.

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

(e) Using SST, torque the adjusting nut.

SST 09607-60020

**Torque: 250 kg-cm (18 ft-lb, 25 N-m)**



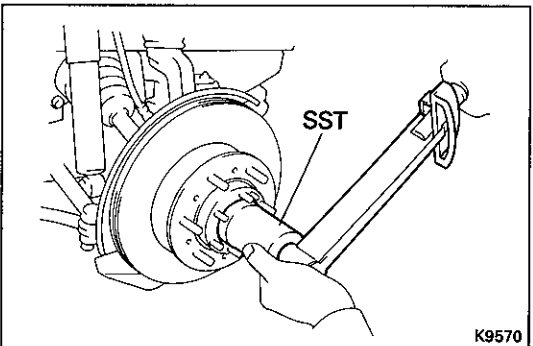
(e) Install a new lock washer and the lock nut.

(f) Using SST, torque the lock nut.

SST 09607-60020

**Torque: 480 kg-cm (35 ft-lb, 47 N-m)**

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



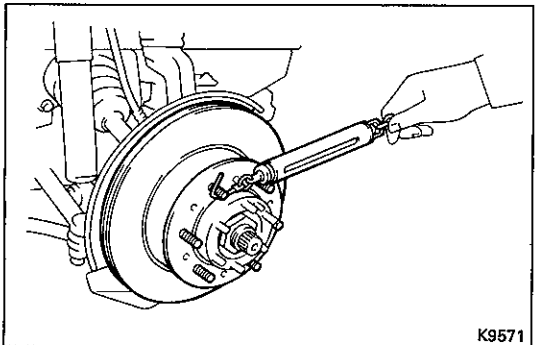
(h) Measure the bearing preload.

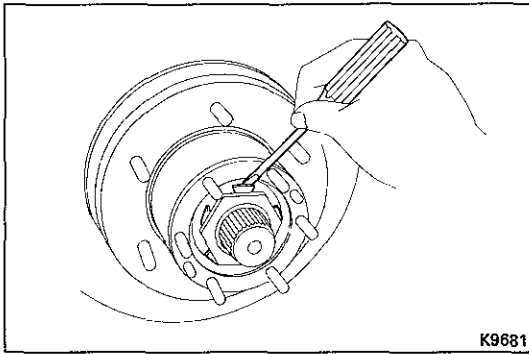
**Preload:**

**Additional rotational friction**

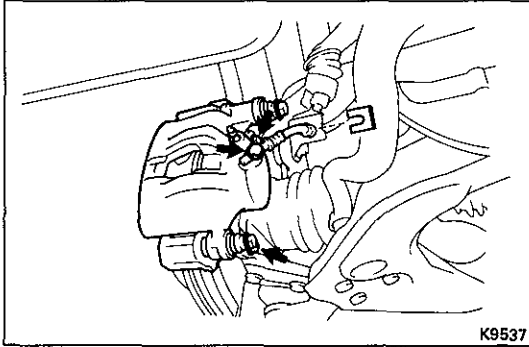
**1,000 – 3,900 g**

**(2.2 – 8.6 lb, 9.8 – 38 N)**





- (i) Secure the adjusting nut and lock nut by bending one of the lock washer teeth inward and the other lock washer teeth outward.



### 3. INSTALL BRAKE CYLINDER

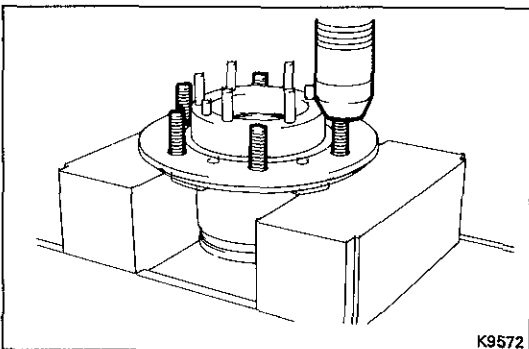
- (a) Install the brake cylinder on the steering knuckle with two bolts.

**Torque:** 1,000 kg-cm (72 ft-lb, 98 N-m)

- (b) Connect the brake hose to the brake cylinder over two new gaskets.  
(c) Install the clip.

### 4. INSTALL FREE WHEELING HUB (See page SA-25)

### 5. BLEED BRAKE SYSTEM AND CHECK FOR FLUID LEAKAGE

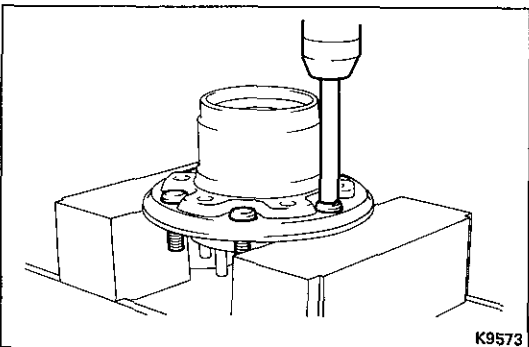


### REPLACEMENT OF HUB BOLT

#### 1. REMOVE FRONT AXLE HUB (See page SA-28)

#### 2. REMOVE HUB BOLT

Using a press, remove the hub bolt.



#### 3. INSTALL HUB BOLT

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

#### 4. INSTALL FRONT AXLE HUB