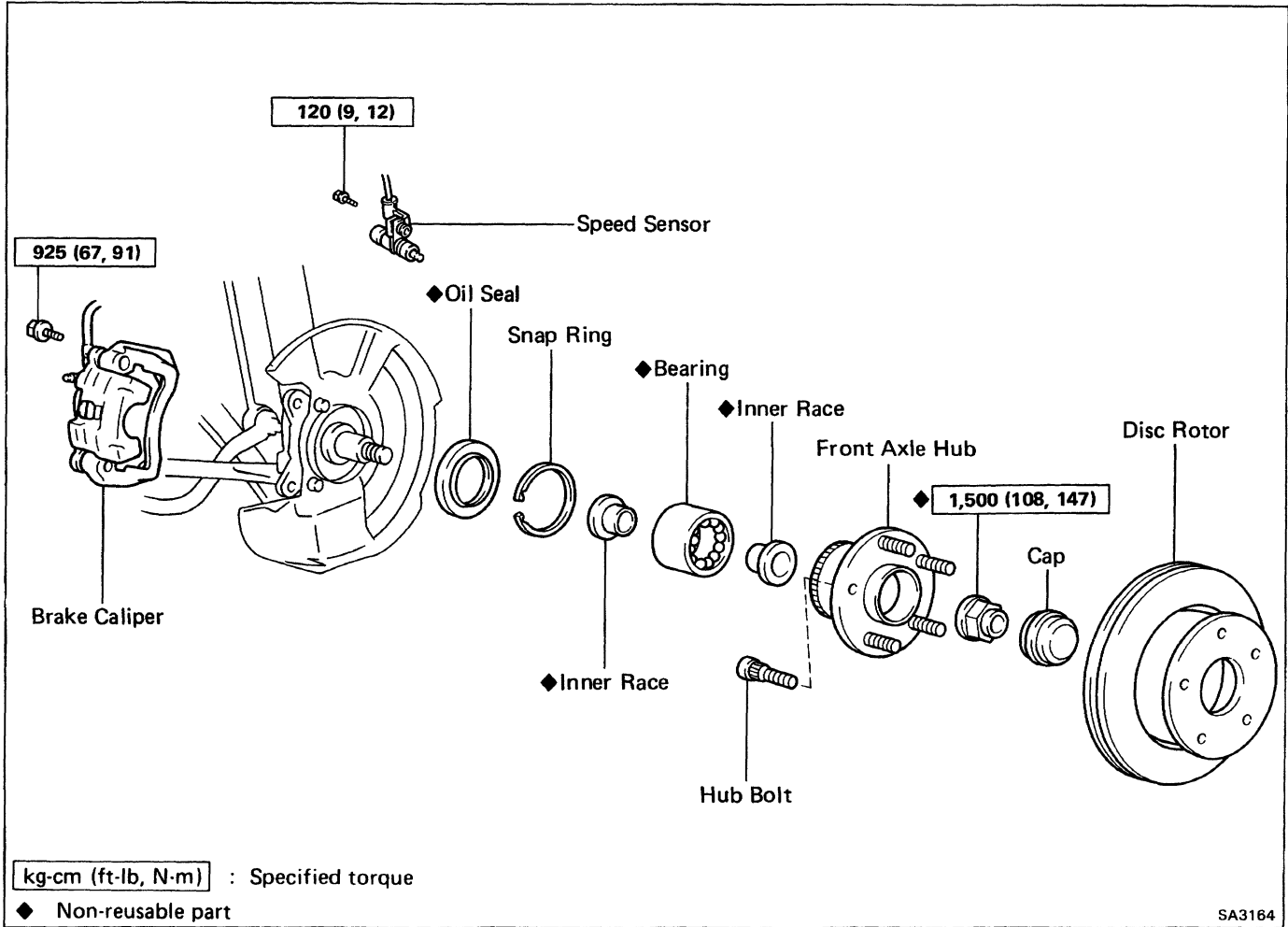


FRONT AXLE HUB COMPONENTS



REMOVAL OF FRONT AXLE HUB

NOTICE: When removing the axle hub (w/ ABS), be careful not to apply excessive force to the hub, and do not let the hub fall.

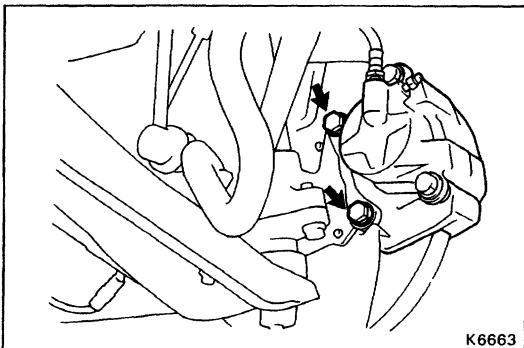
1. REMOVE FRONT WHEEL

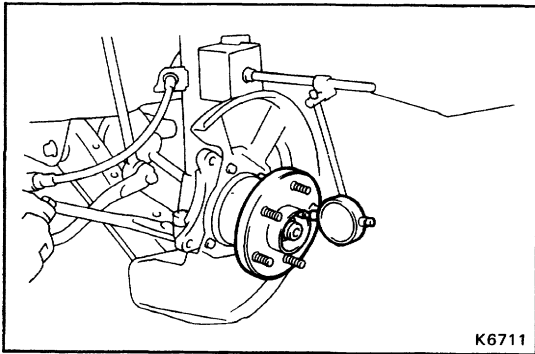
2. REMOVE DISC BRAKE CALIPER AND DISC ROTOR

- Remove the two bolts.
- Remove the brake caliper and suspend it with wire.
- Place matchmarks on the rotor and axle hub.
- Remove the disc rotor.

3. REMOVE GREASE CAP

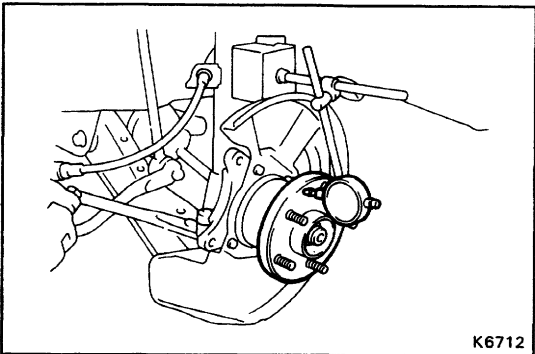
NOTICE: Be careful not to damage the grease cap. If the cap is damaged, replace it with new one.





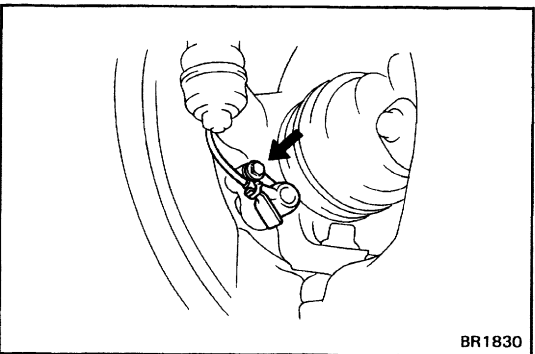
4. CHECK BEARING PLAY IN AXIAL DIRECTION

Limit: 0.05 mm (0.0020 in.)



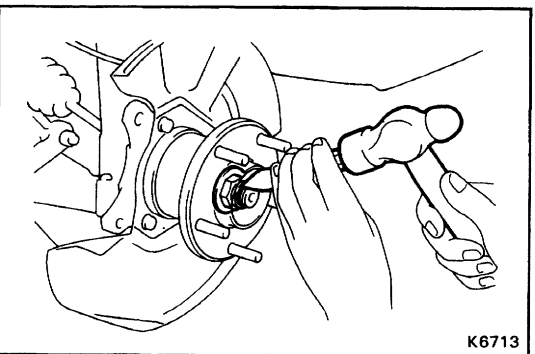
5. CHECK AXLE HUB RUNOUT

Limit: 0.05 mm (0.0020 in.)



6. REMOVE ABS SPEED SENSOR

Remove the bolt and disconnect the speed sensor.



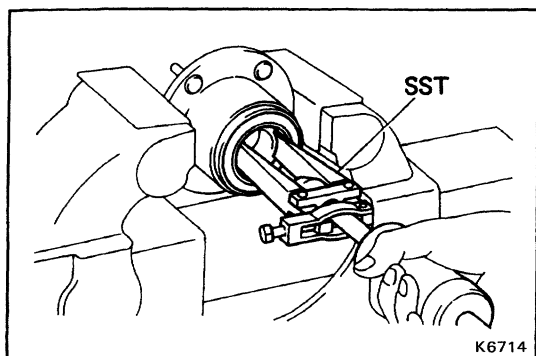
7. REMOVE AXLE HUB

(a) Using a hammer and chisel, loosen the staked part of the nut.

(b) Remove the nut.

(c) Remove the axle hub from the steering knuckle.

NOTICE: When putting down the axle hub, be sure that the ABS sensor rotor is upward to prevent it from being damaged.



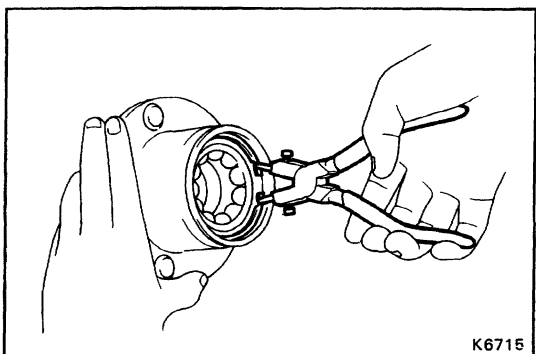
DISASSEMBLY OF FRONT AXLE HUB

1. REMOVE OIL SEAL

Using SST, remove the oil seal from axle hub.

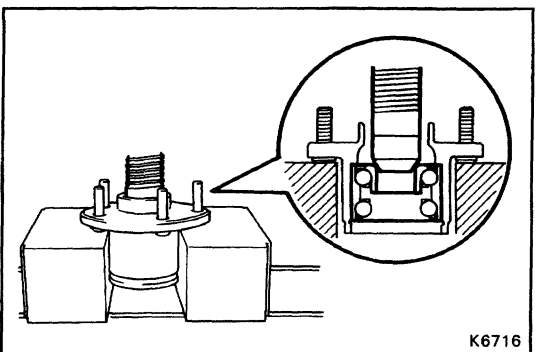
SST 09308-00010

NOTICE: Be careful not to damage the ABS sensor rotor.



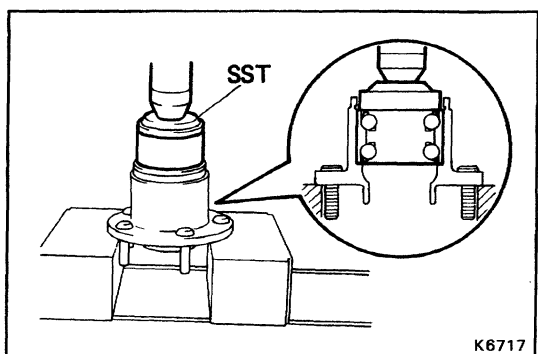
2. REMOVE HUB BEARING

(a) Using snap ring pliers, remove the snap ring.



(b) Temporarily install the hub bearing inner race (outside) to the hub bearing.

(c) Using a press, remove the hub bearing.



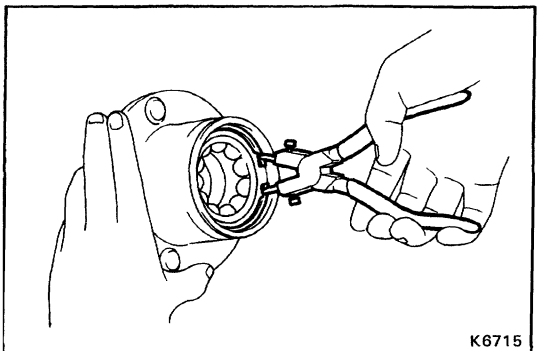
ASSEMBLY OF FRONT AXLE HUB

1. INSTALL HUB BEARING

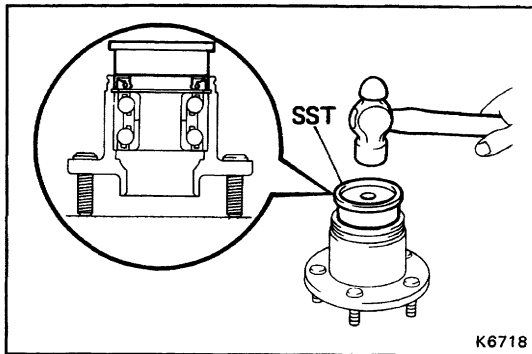
(a) Using SST, install the hub bearing.

SST 09608-35014 (09608-06110)

(b) Install the inner races to the hub bearing.



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

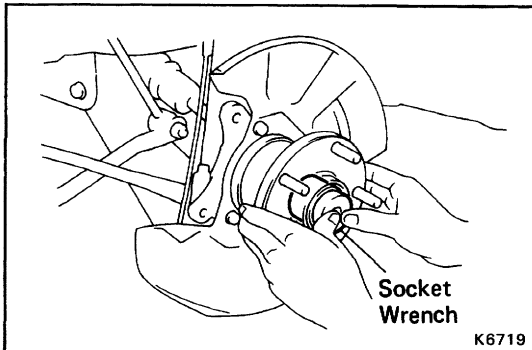


2. INSTALL OIL SEAL

- (a) Using SST, install a new oil seal to the axle hub.
SST 09608-32010

NOTICE: Do not press the ABS sensor rotor with SST.

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



INSTALLATION OF FRONT AXLE HUB

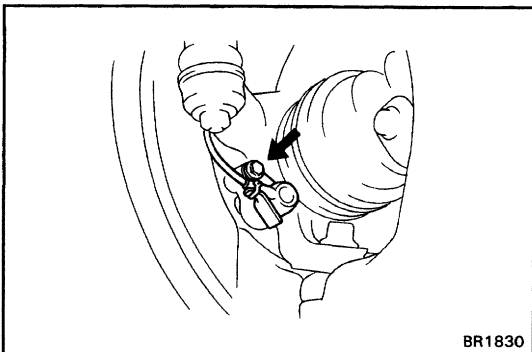
1. INSTALL AXLE HUB TO STEERING KNUCKLE

- (a) Install the axle hub to the steering knuckle.
HINT: Using a socket wrench, hold the inner race (outside) to prevent it from getting out of place.

- (b) Install and torque a new nut.

Torque: 1,500 kg-cm (108 ft-lb, 147 N-m)

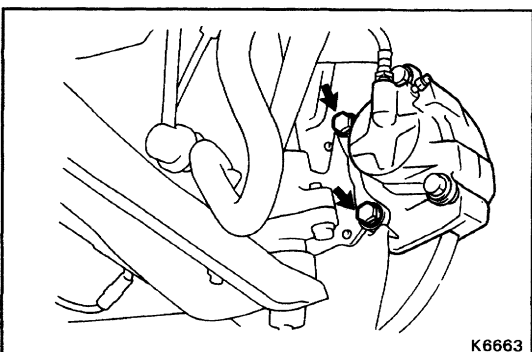
- (c) Stake the nut.



2. CONNECT ABS SPEED SENSOR

Connect the speed sensor to the axle carrier with the bolt.

Torque: 120 kg-cm (9 ft-lb, 12 N-m)



3. INSTALL GREASE CAP

4. INSTALL DISC ROTOR AND BRAKE CALIPER

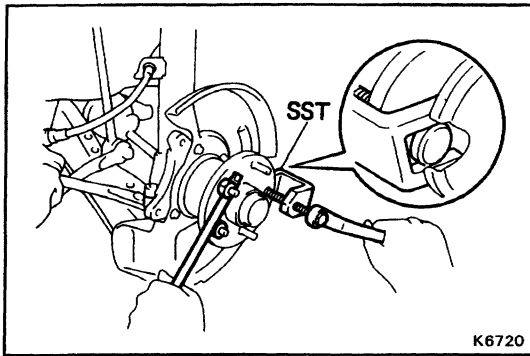
- (a) Install the disc rotor.

HINT: Align the matchmarks on the disc rotor and axle hub.

- (b) Install the brake caliper.

Torque: 925 kg-cm (67 ft-lb, 91 N-m)

5. INSTALL FRONT WHEEL

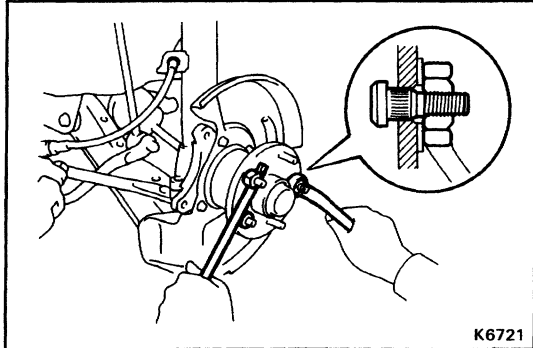


REPLACEMENT OF HUB BOLT

1. REMOVE FRONT WHEEL
2. REMOVE BRAKE CALIPER AND DISC ROTOR
(See page SA-9)

3. REMOVE HUB BOLT

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



4. INSTALL HUB BOLT

Using washer and nut, install the hub bolt.

5. INSTALL DISC ROTOR AND BRAKE CALIPER

Torque: 925 kg-cm (67 ft-lb, 91 N-m)

6. INSTALL FRONT WHEEL