

## INSTALLATION

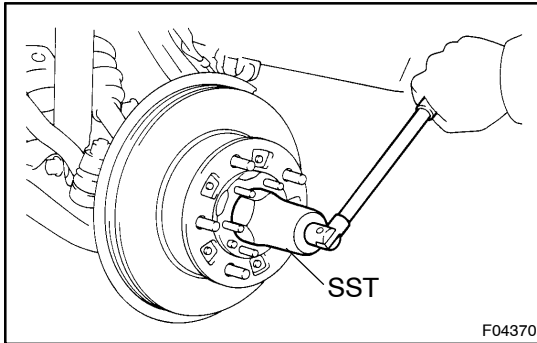
### 1. INSTALL AXLE HUB TO STEERING KNUCKLE

- (a) Place the axle hub with disc to the steering knuckle.

#### NOTICE:

**Be careful not to damage the ABS speed sensor rotor and oil seal.**

- (b) Install the outer bearing.  
(c) Install the claw washer.



### 2. ADJUST PRELOAD

- (a) Install the adjusting nut and using SST, tighten it.

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**Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)**

- (b) Turn the axle hub several times to settle down the bearing.

- (c) Using SST, loosen the adjusting nut until it can rotate by hand.

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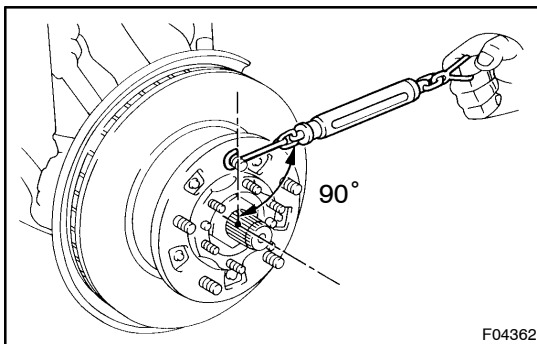
- (d) Using SST, retighten the adjusting nut.

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**Torque: 4.3 – 6.5 N·m (44 – 66 kgf·cm, 38 – 57 in·lbf)**

#### HINT:

Check that there is no looseness on the bearing.



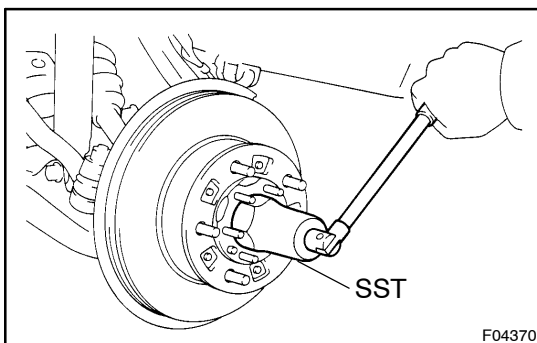
- (e) Using a spring tension gauge, measure the preload.

#### Preload (at starting):

**42 – 67 N (4.3 – 6.8 kgf, 9.5 – 15.0 lbf)**

### 3. INSTALL LOCK WASHER AND LOCK NUT

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

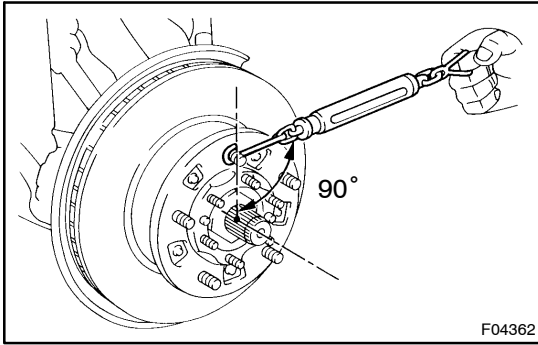


- (b) Using SST, torque the lock nut.

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**Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)**

- (c) Check that the axle hub rotates smoothly and there is no looseness on the bearing.



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

**Preload (at starting):**

**42 – 67 N (4.3 – 6.8 kgf, 9.5 – 15.0 lbf)**

**HINT:**

Make sure to check preload in the direction of rotation.

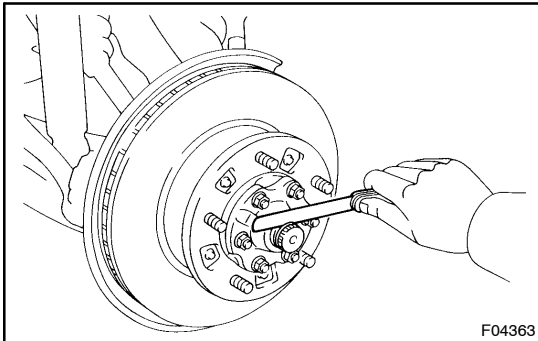
If the preload is not within the specified value, adjust it again with the adjusting nut.

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

#### 4. INSTALL FLANGE

- (a) Place a new gasket in position on the axle hub.  
 (b) Install the flange to the axle hub.  
 (c) Install the 6 cone washers, washers and new nuts.

**Torque: 33 N·m (335 kgf·cm, 24 ft·lbf)**



- (d) Pull out the drive shaft to the outside of the vehicle and select the snap ring which ensures the clearance between the tip of the flange and the snap ring is less than 0.2 mm (0.008 in.).

**Snap ring thickness:**

|                     |                     |
|---------------------|---------------------|
| 1.8 mm (0.0709 in.) | 2.4 mm (0.0945 in.) |
| 2.0 mm (0.0787 in.) | 2.6 mm (0.1024 in.) |
| 2.2 mm (0.0866 in.) | 2.8 mm (0.1102 in.) |

- (e) Using a snap ring expander, install a new snap ring to the drive shaft.

- (f) Install a new grease cap to the flange.

#### 5. INSTALL BRAKE CALIPER

- (a) Install the brake caliper, washers and 2 bolts.

**Torque: 123 N·m (1,250 kgf·cm, 91 ft·lbf)**

- (b) Install the flexible hose and bolt to the steering knuckle.

**Torque: 28 N·m (290 kgf·cm, 21 ft·lbf)**

#### 6. INSTALL FRONT WHEEL

**Torque: 131 N·m (1,340 kgf·cm, 97 ft·lbf)**

#### 7. CHECK ABS SPEED SENSOR SIGNAL

(See page [DI-229](#) or [DI-318](#))