

## INSTALLATION

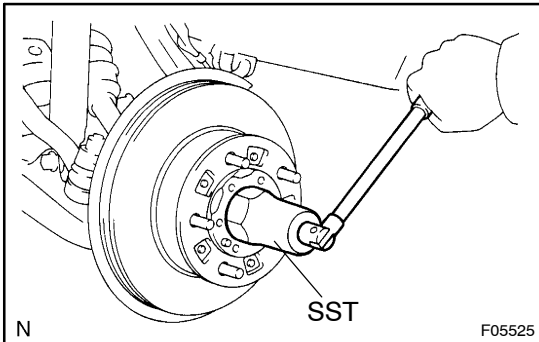
### 1. INSTALL AXLE HUB TO STEERING KNUCKLE

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

#### NOTICE:

**Be careful not to damage the ABS speed sensor rotor (w/ ABS) and oil seal.**

- (b) Install the outer bearing.



### 2. ADJUST PRELOAD

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

SST 09607-60020

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

- (b) Turn the hub right and left 2 or 3 times.  
(c) Loosen the nut until it can be turned by hand.  
(d) Using SST, retighten the adjusting nut.

SST 09607-60020

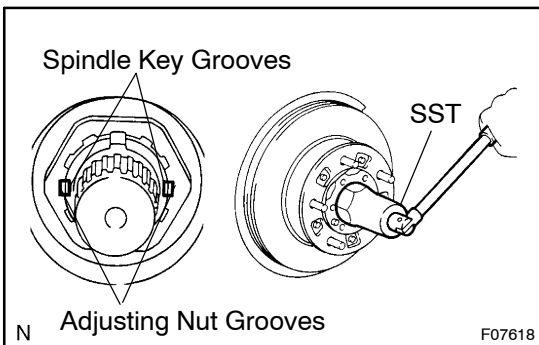
**Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)**

- (e) Tighten the adjusting nut in the tightening direction so that the grooves of the adjusting nut are aligned with on the key grooves before and after spindle.

**Torque: 49 – 79 N·m (500 – 800 kgf·cm, 36 – 58 ft·lbf)**

#### NOTICE:

**Check that the bearing has no play.**



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

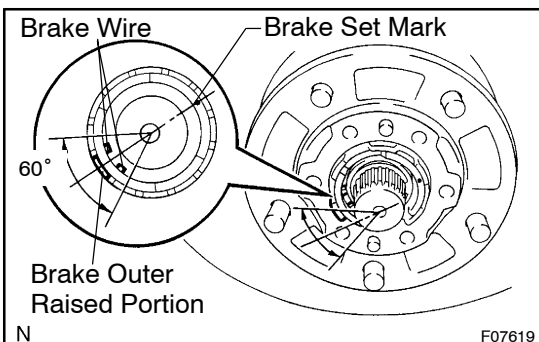
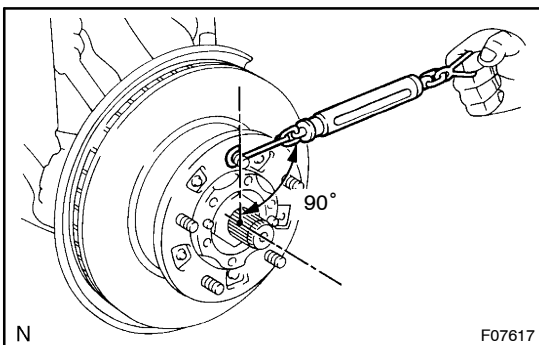
**Preload (at starting):**

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

#### HINT:

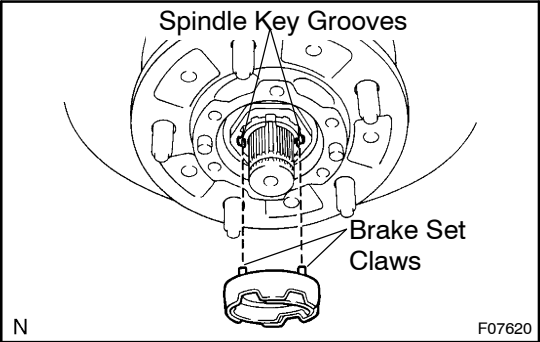
Make sure to check preload in the direction of rotation.

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

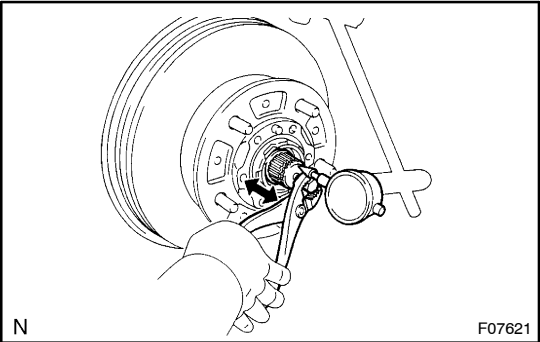


### 3. INSTALL BRAKE SET, SPINDLE WASHER AND SNAP RING TO STEERING KNUCKLE

- (a) Check that the brake wire is within the range of 60° of the brake outer raised portion on the opposite side to the brake set mark.



- (b) Align the claws of the brake set with the key grooves of the spindle and assemble the brake set.
- (c) Install the spindle washer and using a snap ring expander, install the snap ring.
- (d) Install the bolt to the drive shaft.



- (e) Using a dial indicator, check the backlash near the center of the drive shaft, while pulling the bolt with pliers.

**Maximum: 0.2 mm (0.008 in.) or less**

If the backlash is not within the specified value, replace the snap ring.

**Snap ring thickness:**

|                      |                      |
|----------------------|----------------------|
| 1.80 mm (0.0709 in.) | 2.40 mm (0.0945 in.) |
| 2.00 mm (0.0787 in.) | 2.60 mm (0.1024 in.) |
| 2.20 mm (0.0866 in.) | 2.80 mm (0.1102 in.) |

- (f) Remove the bolt from the drive shaft.
- 4. INSTALL DUAL MODE AUTOMATIC LOCKING HUB**  
**(See page SA-11)**
- 5. INSTALL BRAKE CALIPER**
- (a) Install the brake caliper with the 2 bolts and washers.  
**Torque: 123 N·m (1,250 kgf·cm, 90 ft·lbf)**
  - (b) Connect the flexible hose bracket to the steering knuckle with the bolt.  
**Torque: 28 N·m (290 kgf·cm, 21 ft·lbf)**
- 6. INSTALL FRONT WHEEL**
- Torque:**  
**Steel wheel: 209 N·m (2,131 kgf·cm, 154 ft·lbf)**  
**Aluminum wheel: 131 N·m (1,340 kgf·cm, 97 ft·lbf)**
- 7. w/ ABS:**  
**CHECK ABS SPEED SENSOR SIGNAL (See Pub. No. RM616E on page DI-312)**