

INSTALLATION

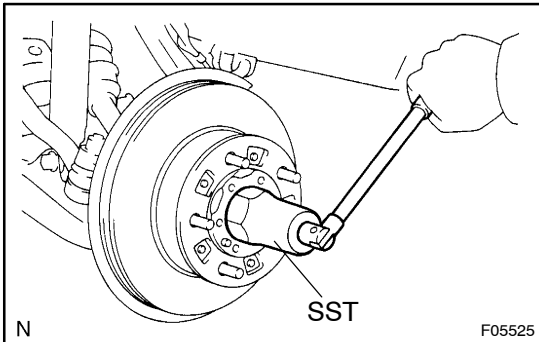
1. INSTALL AXLE HUB TO STEERING KNUCKLE

- (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

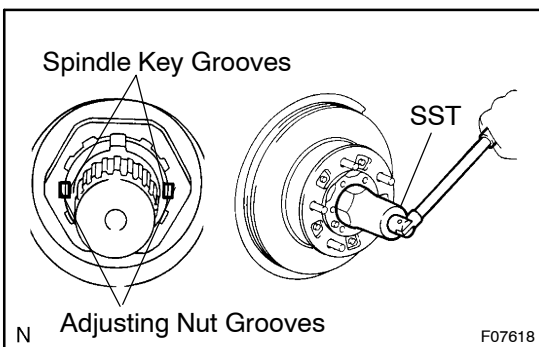
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

- (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.

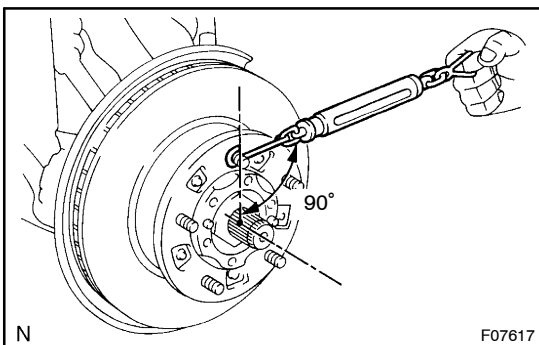
Preload (at starting):

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

HINT:

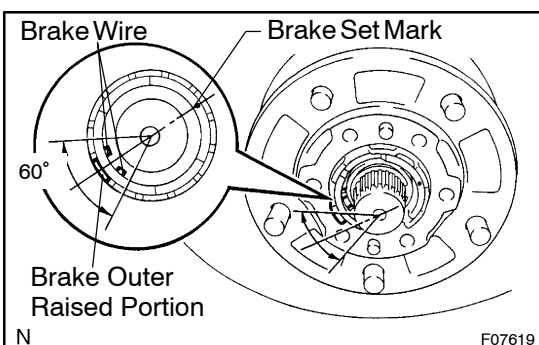
Make sure to check preload in the direction of rotation.

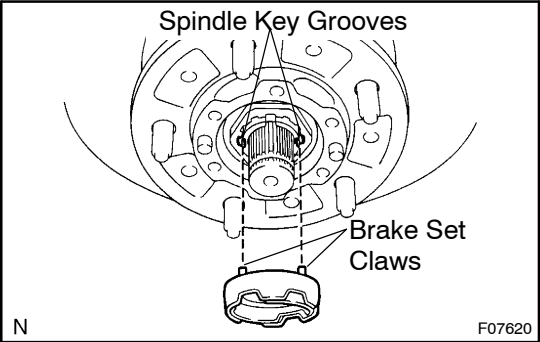
If the preload is not within the specified value, adjust it again with the adjusting nut.



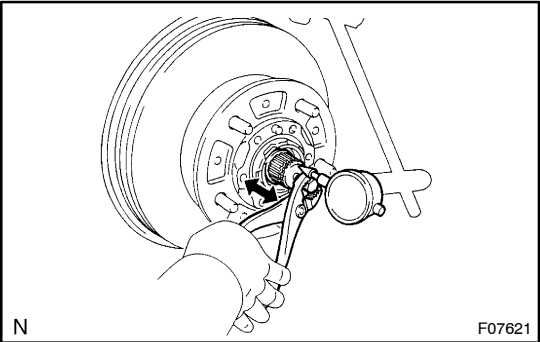
3. INSTALL BRAKE SET, SPINDLE WASHER AND SNAP RING TO STEERING KNUCKLE

- (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, 2 1 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)