

## INSTALLATION

### 1. INSTALL STEERING KNUCKLE

- (a) Support the lower suspension arm with a jack.
- (b) Place the steering knuckle to the lower ball joint and temporarily install the 2 bolts.
- (c) Push down the upper suspension arm and connect the upper ball joint to the steering knuckle and install the nut.  
**Torque: 110 N·m (1,100 kgf·cm, 80 ft·lbf)**

- (d) Install a new cotter pin.

If the holes for the cotter pin are not aligned, tighten the nut further up to 60°.

- (e) Torque the 2 lower ball joint bolts.

**Torque: 160 N·m (1,600 kgf·cm, 116 ft·lbf)**

### 2. INSTALL DUST COVER

Install the dust cover with the 4 bolts.

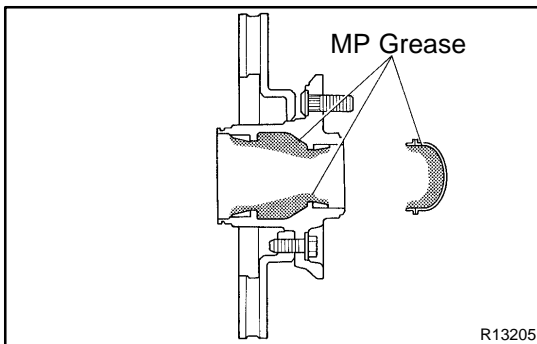
**Torque: 8.3 N·m (85 kgf·cm, 74 in.-lbf)**

### 3. INSTALL STABILIZER BAR LINK

Install the bolt, 5 retainers, collar, 4 cushions and a new nut.

### 4. PACK BEARINGS WITH MP GREASE

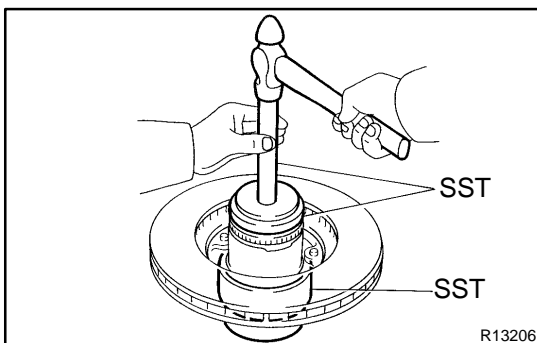
- (a) Place MP grease in the your palm.
- (b) Pack grease into the bearing, continuing until the grease oozes out from the other side.
- (c) Employ the same manner around the bearing circumference.



### 5. COAT INSIDE OF HUB AND CAP WITH MP GREASE

### 6. INSTALL INNER BEARING AND OIL SEAL

- (a) Place inner bearing into the axle hub.



- (b) Using SST and a hammer, install a new oil seal into the axle hub.

SST 09527-17011, 09950-60020 (09951-00710),  
09950-70010 (09951-07150)

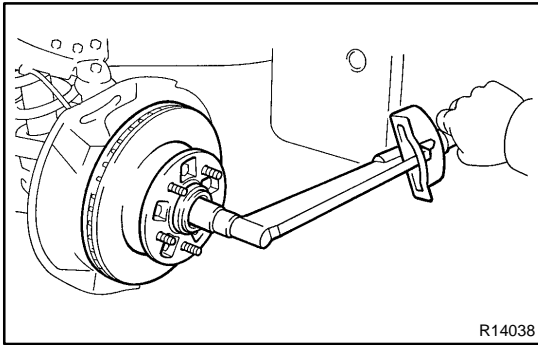
#### NOTICE:

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

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

### 7. INSTALL AXLE HUB WITH DISC

- (a) Place the axle hub on the spindle.
- (b) Install a new outer bearing and claw washer.

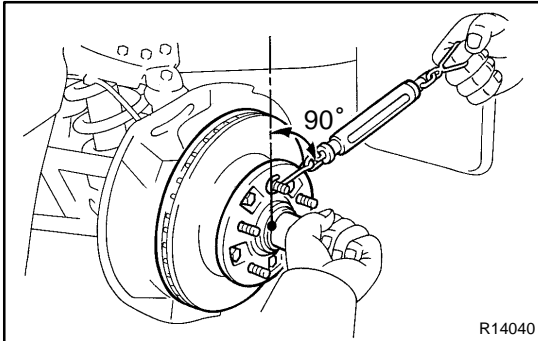


### 8. ADJUST PRELOAD

- (a) Install and torque the nut.

**Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)**

- (b) Turn the hub several times to make the bearing more smoothly.  
 (c) Loosen the nut until it can be turned by hand.



- (d) Using a spring tension gauge, measure and make a note down of the frictional force of the oil seal.

#### HINT:

Make sure to check preload in the direction of rotation.

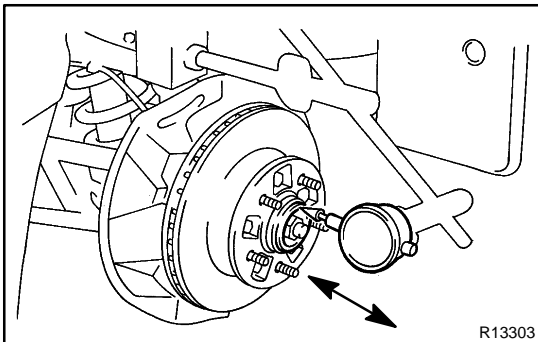
- (e) Tighten the nut until the preload is within the specified value.

**Preload (at starting):**

**Frictional force plus 6 – 18 N (0.6 – 1.8 kgf, 1.3 – 4.0 lbf)**

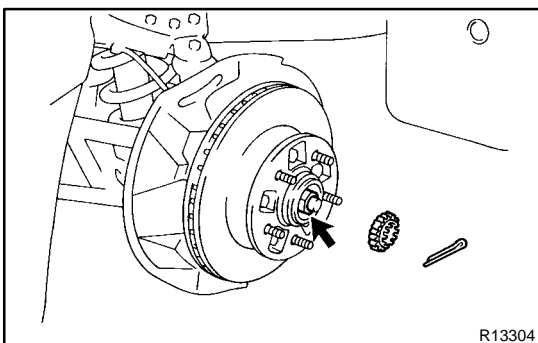
#### HINT:

Make sure to check preload in the direction of rotation.



- (f) Using a dial indicator near the center of the axle hub and measure the backlash in the bearing shaft direction.

**Maximum: 0.05 mm (0.0020 in.) or less**

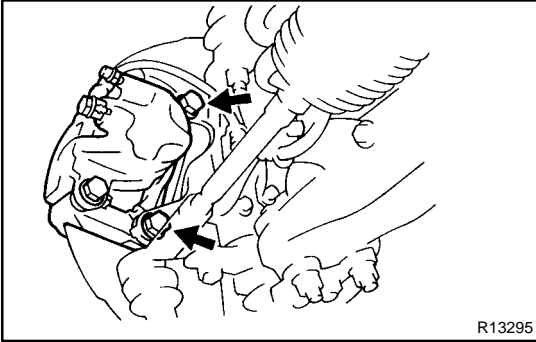


### 9. INSTALL LOCK CAP, COTTER PIN AND GREASE CAP

- (a) Install the lock cap and a new cotter pin.

If the holes for the cotter pin are not aligned, tighten the nut further up to 60°.

- (b) Install the grease cap.



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**10. INSTALL BRAKE CALIPER**

Install the brake caliper with the 2 bolts.

**Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)**

**11. w/ ABS:****CONNECT ABS SPEED SENSOR AND WIRE HARNESS CLAMP TO STEERING KNUCKLE**

Connect the ABS speed sensor and wire harness clamp with the 2 bolts.

**Torque: 8.0 N·m (82 kgf·cm, 71 in.-lbf)**

**12. INSTALL FRONT WHEEL**

**Torque: 110 N·m (1,150 kgf·cm, 83 ft·lbf)**

**13. DEPRESS BRAKE PEDAL SEVERAL TIMES****14. CHECK FRONT WHEEL ALIGNMENT (See page SA-6)****15. w/ ABS:**

**CHECK ABS SPEED SENSOR SIGNAL (See page DI-534)**