

INSTALLATION

1. INSTALL LOWER SUSPENSION ARM

- (a) Install the cam plate, washer, nut, lower suspension arm and cam bolt.

Torque: 251 N·m (2,560 kgf·cm, 185 ft·lbf)

HINT:

After stabilizing the suspension, align the matchmarks on the cam bolt and front suspension member, and torque the nut.

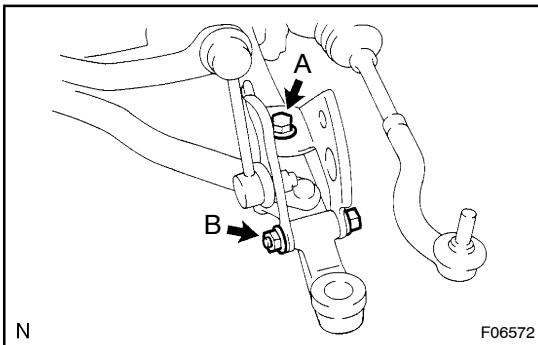
- (b) Install the suspension member brace, washer and 2 nuts.

Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

2. CONNECT STRUT BAR TO LOWER SUSPENSION ARM

Connect the strut bar with the 2 nuts.

Torque: 164 N·m (1,670 kgf·cm, 121 ft·lbf)



3. INSTALL SHOCK ABSORBER LOWER BRACKET TO LOWER SUSPENSION ARM

Install the shock absorber lower bracket, 2 bolts and nut.

Torque:

A: 59 N·m (600 kgf·cm, 43 ft·lbf)

B: 113 N·m (1,150 kgf·cm, 83 ft·lbf)

4. INSTALL FRONT PNEUMATIC CYLINDER

(See page SA-26)

5. INSTALL STEERING KNUCKLE WITH LOWER BALL JOINT

- (a) Install the steering knuckle to the upper ball joint.
 (b) Install the nut and clip.

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

Torque: 65 N·m (660 kgf·cm, 48 ft·lbf)

- (c) Install the lower ball joint to the lower suspension arm.
 (d) Install the nut and a new cotter pin.

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

Torque: 152 N·m (1,550 kgf·cm, 112 ft·lbf)

6. CONNECT TIE ROD END TO LOWER BALL JOINT

- (a) Connect the tie rod end to the lower ball joint.
 (b) Install the nut and clip.

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

Torque: 108 N·m (1,102 kgf·cm, 80 in·lbf)

7. INSTALL BRAKE CALIPER

Torque: 118 N·m (1,200 kgf·cm, 87 ft·lbf)

8. CONNECT ABS SPEED SENSOR AND WIRE HARNESS CLAMP
Torque:
Sensor: 7.8 N·m (80 kgf·cm, 69 in·lbf)
Harness clamp: 5.4 N·m (55 kgf·cm, 48 in·lbf)
9. INSTALL FRONT WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
10. DEPRESS BRAKE PEDAL SEVERAL TIMES
11. CHECK ELECTRONIC MODULATED AIR SUSPENSION SIGNAL (See page DI-66)
12. CHECK FRONT WHEEL ALIGNMENT (See page SA-5)
13. CHECK ABS SPEED SENSOR SIGNAL (See page DI-153)