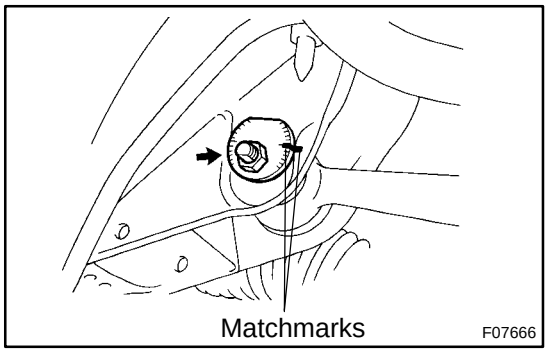
SA20L-02

INSTALLATION

1. INSTALL SHOCK ABSORBER LOWER BRACKET TO NO. 1 LOWER SUSPENSION ARM
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)



2. INSTALL NO. 1 LOWER SUSPENSION ARM

(a) Install the No. 1 lower suspension arm to the suspension member with the cam bolt, cam plate, washer and nut.
Torque: 184 N·m (1,880 kgf·cm, 136 ft·lbf)

HINT:

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

(b) Connect the lower ball joint to the No. 1 lower suspension arm with the nut.
Torque: 123 N·m (1,250 kgf·cm, 91 ft·lbf)

(c) Install a new cotter pin.

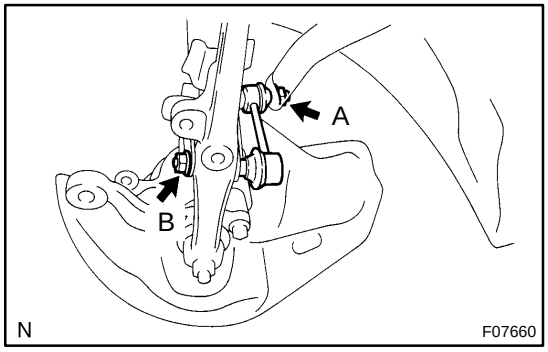
If the holes for the cotter pin are not aligned, tighten the nut further up to 60°.

3. CONNECT STEERING GEAR ASSEMBLY
Torque: 74 N·m (755 kgf·cm, 55 ft·lbf)

NOTICE:

Be careful not to damage the return tube and pressure feed tube.

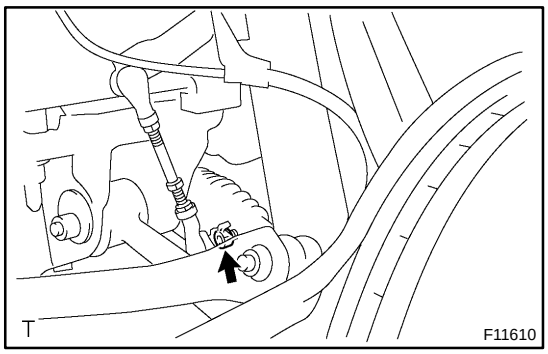
4. CONNECT SHOCK ABSORBER TO FRONT SHOCK ABSORBER BRACKET
Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)



5. INSTALL STABILIZER BAR LINK
Torque:
Nut A: 49 N·m (500 kgf·cm, 36 ft·lbf)
Nut B: 95 N·m (970 kgf·cm, 70 ft·lbf)

HINT:

If the ball joint turns together with the nut, use a hexagon wrench (5 mm) to hold the stud.



6. CONNECT HEIGHT CONTROL SENSOR LINK

(a) Set the lower arm to the vehicle height.

(b) Install the sensor link to the lower arm bracket with a nut.

Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

NOTICE:

- **Be careful not to brake the link fixing pin until the above operation is completed.**
- **The pin can the broken after completion of the above, however, the sensor arm rotation angle shall not exceed the range of ±70° from the standard vehicle height.**

7. CONNECT TIE ROD END TO LOWER BALL JOINT

(a) Connect the tie rod end to the lower ball joint with the nut.

Torque: 54 N·m (550 kgf·cm, 40 ft·lbf)

(b) Install a new clip.

HINT:

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

8. INSTALL DISC AND BRAKE CALIPER

Install the disc, brake caliper and 2 bolts.

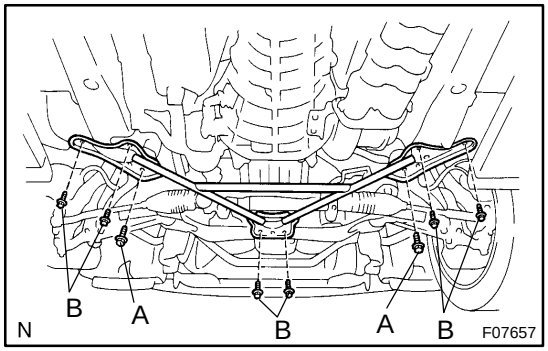
Torque: 118 N·m (1,200 kgf·cm, 87 ft·lbf)

9. CONNECT NO. 2 LOWER SUSPENSION ARM TO NO. 1 LOWER SUSPENSION ARM

Torque: 245 N·m (2,500 kgf·cm, 181 ft·lbf)

HINT:

After stabilizing the suspension, torque the bolt.



10. INSTALL FRONT SUSPENSION MEMBER BRACE

Torque:

Bolt A: 119 N·m (1,210 kgf·cm, 88 ft·lbf)

Bolt B: 58 N·m (590 kgf·cm, 43 ft·lbf)

HINT:

- Install the bolt A through the No.2 lower suspension arm.
- After stabilizing the suspension, torque the bolt A.

11. INSTALL RH AND LH REAR ENGINE UNDER COVER

12. INSTALL ENGINE UNDER COVER AND ENGINE UNDER COVER NO. 2

13. INSTALL FRONT WHEEL

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

14. DEPRESS BRAKE PEDAL SEVERAL TIMES

15. CHECK FRONT WHEEL ALIGNMENT

(See page SA-5)