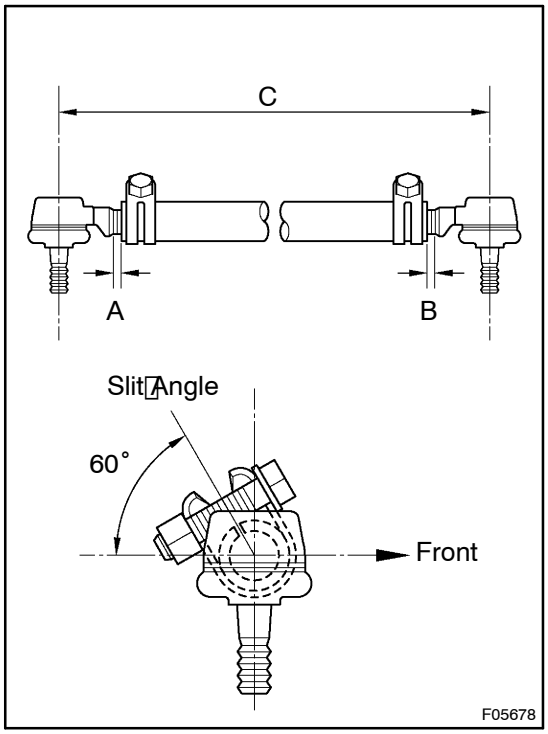
SR0QO–01

INSTALLATION

HINT:
When connecting the ball stud to the arm or rod, remove the grease on the joint surfaces.



1. INSTALL LH AND RH TIE ROD ENDS

(a) Install the LH and RH tie rod ends while facing the ball joint, slit of the tie rod and clamp to the angle shown in the illustration, and the length A and B should be equal and that of C should be approximately 1,207 mm (47.51 in.).

(b) Temporarily tighten the 2 clamp set bolts and nuts.

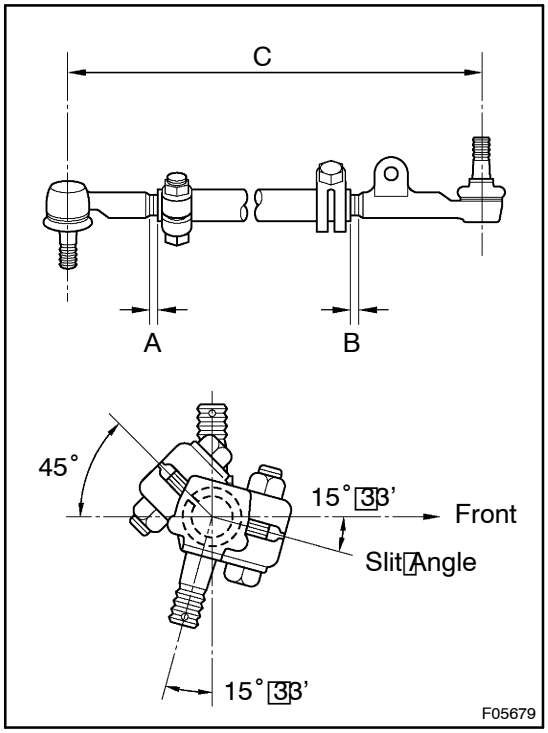
NOTICE:
Install the tie rod assembly to the vehicle and adjust toe–in. After that, torque the 2 clamp set bolts and nuts securely.

2. INSTALL TIE ROD ASSEMBLY

(a) Connect the tie rod assembly to the knuckle arm.

(b) Torque the 2 nuts and install the 2 new cotter pins.
Torque: 91 N·m (925 kgf·cm, 67 ft·lbf)

(c) After adjusting toe–in, torque the 2 clamp set bolts and nuts.
(See page SA–7)
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)



3. INSTALL LH AND RH RELAY ROD ENDS

(a) Install the LH and RH relay rod ends while facing the ball joint, slit of the tie rod and clamp to the angle shown in the illustration, and the length A and B should be equal and that of C should be approximately 1,076 mm (42.34 in.).

(b) Torque the 2 clamp set bolts and nuts.
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

4. INSTALL RELAY ROD ASSEMBLY

(a) Connect the relay rod assembly to the knuckle arm.

(b) Torque the nut and install a new cotter pin.

Torque: 91 N·m (925 kgf·cm, 67 ft·lbf)

5. INSTALL STEERING DAMPER ASSEMBLY

(a) Connect the damper assembly to the damper bracket and torque the nut.

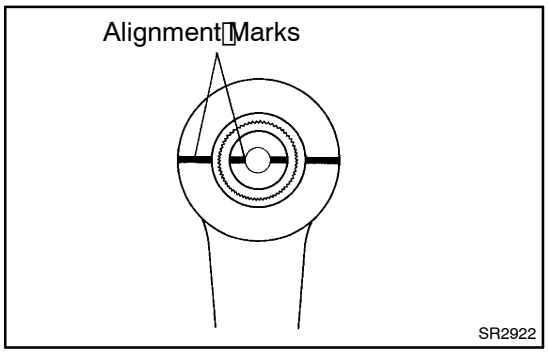
Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)

(b) Install the damper assembly with the damper bracket and torque the 2 bolts.

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

(c) Connect the damper assembly to the relay rod assembly and torque the nut.

Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)



6. INSTALL PITMAN ARM

(a) Align the alignment marks on the pitman arm and sector shaft.

(b) Install the spring washer and torque the nut.

Torque: 177 N·m (1,800 kgf·cm, 130 ft·lbf)

(c) Connect the pitman arm to the relay rod assembly.

(d) Torque the nut and install a new cotter pin.

Torque: 91 N·m (925 kgf·cm, 67 ft·lbf)

7. CHECK FRONT WHEEL ALIGNMENT

(See page SA–7)