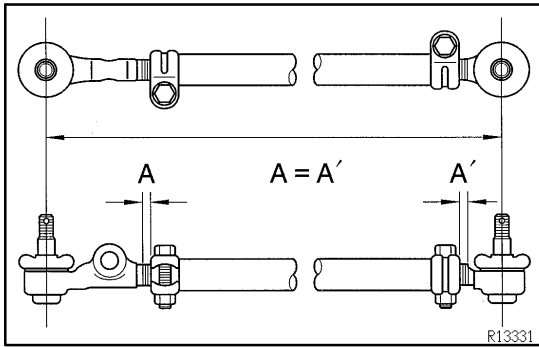




INSTALLATION

HINT:

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

1. INSTALL TIE ROD ENDS AND RELAY ROD ENDS

- (a) Turn the tie rod ends or relay rod ends equal amounts into the rod tube. Tie rod assembly should be approximately 1,233 mm (48.54 in.). Relay rod assembly should be approximately 1,090 mm (42.91 in.).
- (b) The remaining length of threads on both tie rod ends or relay rod ends should be equal.
- (c) Temporarily tighten the tie rod end or relay rod end clamps.

2. INSTALL TIE ROD ASSEMBLY

- (a) Connect the tie rod assembly to the RH and LH knuckle arms.
- (b) Torque the 2 nuts.
Torque: 91 N·m (925 kgf·cm, 67 ft·lbf)
- (c) Install 2 new cotter pins.
- (d) After adjusting toe-in, torque the clamp bolts and nuts.
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

3. INSTALL RELAY ROD ASSEMBLY

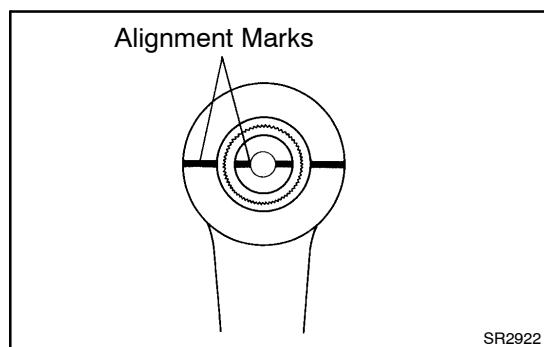
- (a) Connect the relay rod assembly to the knuckle arm.
- (b) Torque the nut.
Torque: 91 N·m (925 kgf·cm, 67 ft·lbf)
- (c) Install a new cotter pin.
- (d) Torque the clamp bolts and nuts.
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

4. INSTALL STEERING DAMPER

- (a) Secure the damper bracket in a vise.
- (b) Connect the damper to the damper bracket.
- (c) Torque a new nut.
Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)

5. INSTALL STEERING DAMPER WITH STEERING DAMPER BRACKET

- (a) Connect the damper with damper bracket to the relay rod assembly.
- (b) Torque a new nut and 2 damper bracket set bolts.
Torque:
Nut: 74 N·m (750 kgf·cm, 54 ft·lbf)
Bolt: 39 N·m (400 kgf·cm, 29 ft·lbf)

**6. INSTALL PITMAN ARM**

- (a) Align the alignment marks on the pitman arm and the cross shaft, and install the spring washer and set nut.

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

- (b) Connect the pitman arm to the relay rod assembly.
(c) Torque the nut.

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

- (d) Install a new cotter pin.

7. INSTALL ENGINE UNDER COVER

Tighten the 4 bolts.

8. CHECK FRONT WHEEL ALIGNMENT
(See page [SA-4](#))