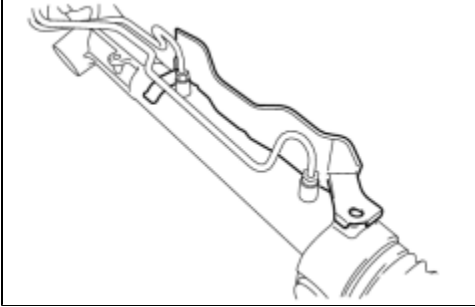


Last Modified: 7-13-2007		1.6 A
Service Category: Steering	Section: Power Assist Systems	
Model Year: 2008	Model: ES350	Doc ID: RM000001S2M00HX
Title: POWER STEERING: POWER STEERING LINK: INSTALLATION (2008 ES350)		

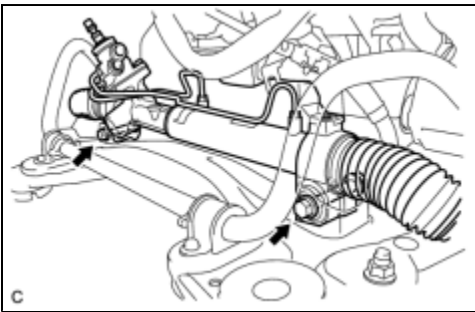
## INSTALLATION

### 1. INSTALL POWER STEERING RACK HOUSING HEAT INSULATOR



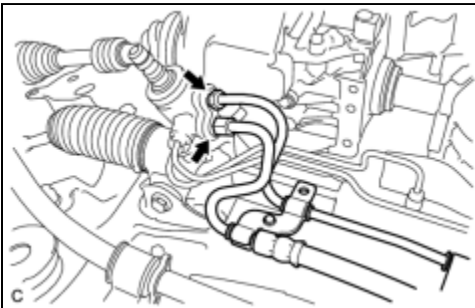
- (a) Install the power steering rack housing heat insulator to the power steering link assembly.

### 2. INSTALL POWER STEERING LINK ASSEMBLY



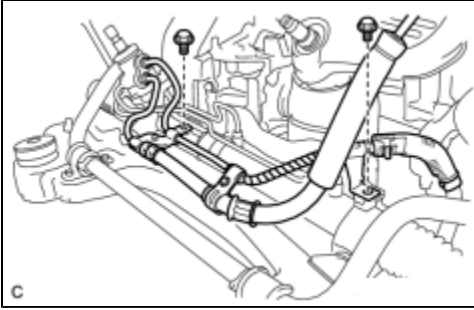
- (a) Install the power steering link assembly with the 2 bolts and 2 nuts.  
**Torque: 70 N·m (714 kgf·cm, 52 ft·lbf)**

### 3. CONNECT PRESSURE FEED TUBE ASSEMBLY

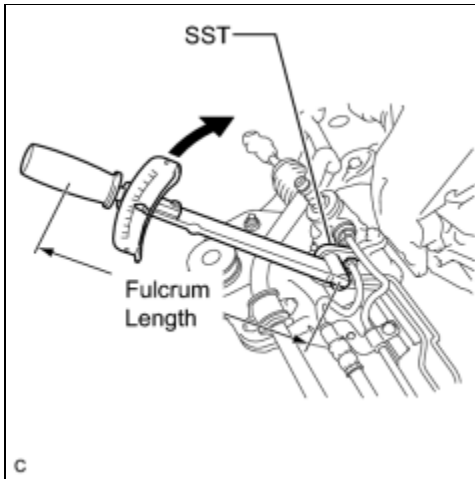


- (a) Temporarily connect the pressure feed tube assembly to the power steering link assembly.

- (b) Install the pressure feed tube assembly clamp with the 2 bolts.



**Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)**



(c) Using SST, tighten the pressure feed tube assembly (pressure feed tube side).

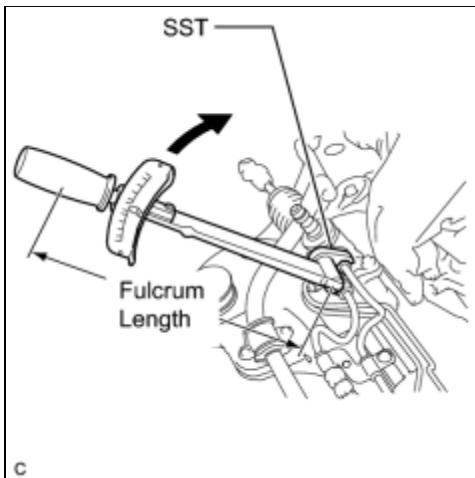
**SST: 09023-12701**

**Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)**

**Torque: 22 N·m (227 kgf·cm, 16 ft·lbf)**

**NOTICE:**

- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
- This torque value is effective when SST is parallel to the torque wrench.



(d) Using SST, tighten the pressure feed tube assembly (return tube side).

**SST: 09023-12701**

**Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)**

**Torque: 22 N·m (227 kgf·cm, 16 ft·lbf)**

**NOTICE:**

- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
- This torque value is effective when SST is parallel to the torque wrench.

#### 4. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE

**HINT:**

Refer to the instructions for **INSTALLATION** of the **ENGINE ASSEMBLY** [INFO](#) .

#### 5. CONNECT TIE ROD ASSEMBLY LH

(a) Connect the tie rod assembly LH to the steering knuckle with the nut.

**Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)**

(b) Install a new cotter pin.

**NOTICE:**

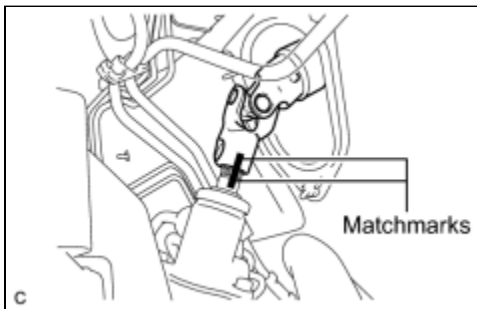
Tighten the nut further up to 60° if the holes for the cotter pin are not aligned.

**6. CONNECT TIE ROD ASSEMBLY RH**

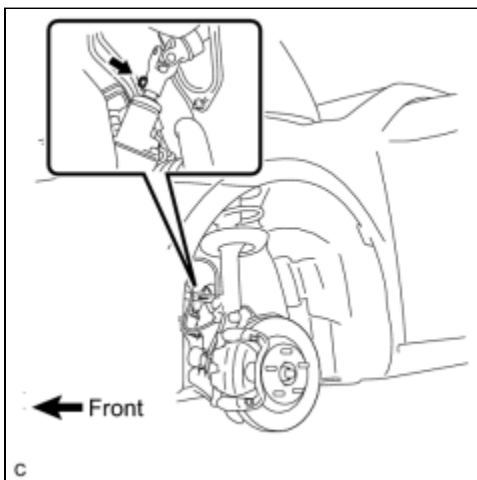
**HINT:**

Perform the same procedure as for the LH side.

**7. CONNECT STEERING INTERMEDIATE SHAFT ASSEMBLY**



(a) Align the matchmarks on the steering intermediate shaft assembly and the steering link assembly.



(b) Install the bolt.

**Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)**

**8. INSTALL FRONT WHEELS**

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

**9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

**10. BLEED POWER STEERING FLUID** INFO

**11. CHECK POWER STEERING FLUID LEVEL** INFO

**12. INSPECT FOR POWER STEERING FLUID LEAK**

**13. INSPECT FOR EXHAUST GAS LEAK**

14. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

15. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

**HINT:**



16. PERFORM INITIALIZATION

**NOTICE:**

Some systems need initialization after reconnecting the cable to the negative battery terminal  .

