

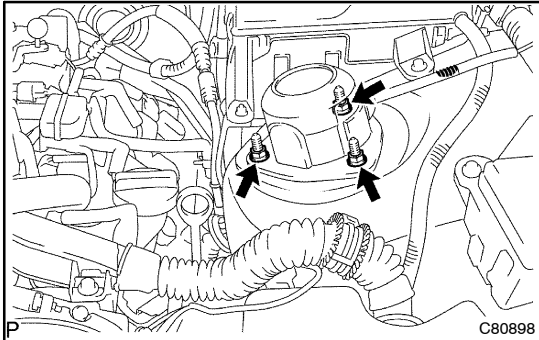
# PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY

## REPLACEMENT

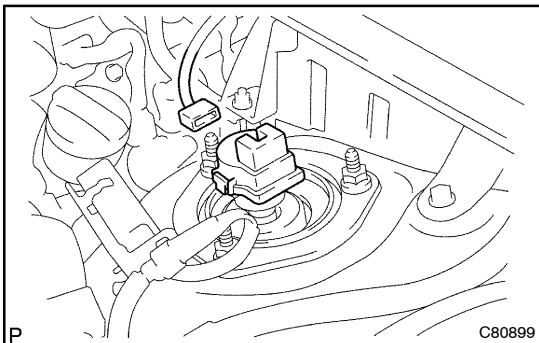
260HT-01

**HINT:**

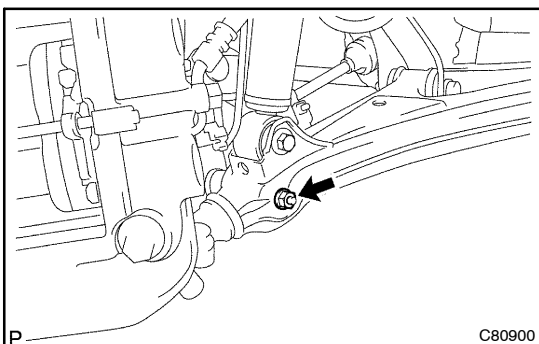
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

**1. REMOVE FRONT WHEELS****2. REMOVE FRONT SHOCK ABSORBER CAP LH**

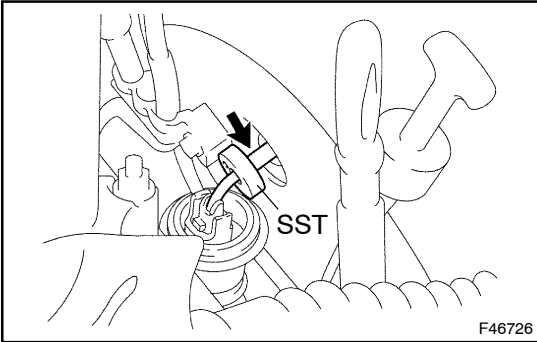
- (a) Remove the 3 nuts and front shock absorber cap LH.

**3. REMOVE ABSORBER CONTROL ACTUATOR**

- (a) Disconnect the connector.
- (b) Turn the absorber control actuator counterclockwise 40° and remove it in an upward direction.

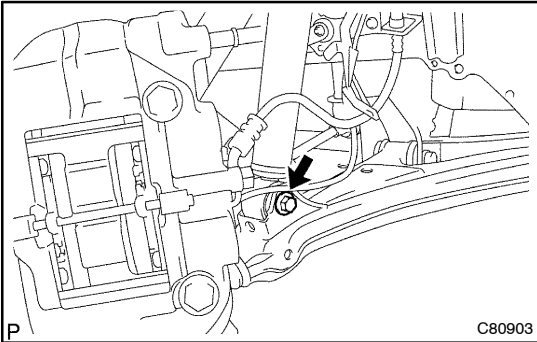
**4. REMOVE HEIGHT CONTROL SENSOR SUB-ASSY FRONT LH****5. SEPARATE FRONT STABILIZER LINK ASSY LH**

- (a) Support the suspension lower arm with a jack using a wood block to avoid damage.
- (b) Remove the nut and washer and separate the stabilizer link assy LH.



## 6. REMOVE PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY

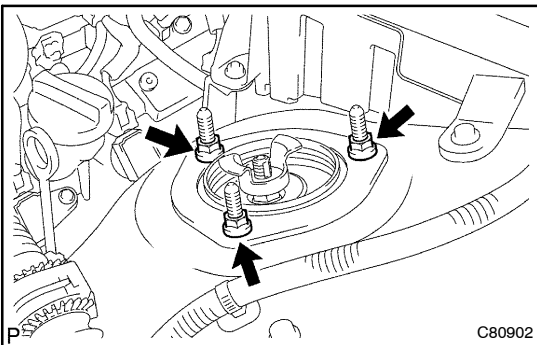
- Remove the cover and disconnect the connector No. 1 (see page 25-1).
- Using SST, disconnect the air tube from the pneumatic front LH w/shock absorber cylinder assy.  
SST 09730-00010



- Remove the pneumatic front LH w/shock absorber cylinder assy lower side nut.

### NOTICE:

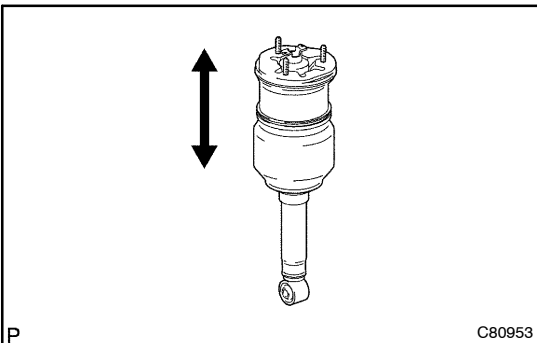
Do not remove the bolt.



- Remove the 3 nuts on the upper side of the pneumatic front LH w/shock absorber cylinder assy.
- Let it down slowly to remove the bolt and the pneumatic front LH w/shock absorber cylinder assy and suspension support.

## 7. REMOVE O-RING

- Remove the connector No. 2 and 2 O-rings.



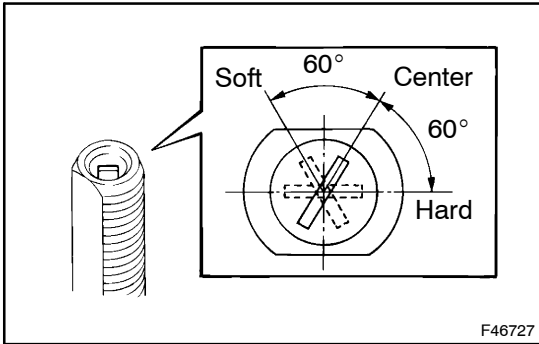
## 8. INSPECT PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY

- Inspect pneumatic cylinder assy operation.
  - Compressed and expand the pneumatic front LH w/shock absorber cylinder assy 4 times or more.
  - Check that there is no abnormal resistance or unusual operation sounds.

If there is any abnormality, replace the pneumatic front LH w/shock absorber cylinder assy with a new one.

### NOTICE:

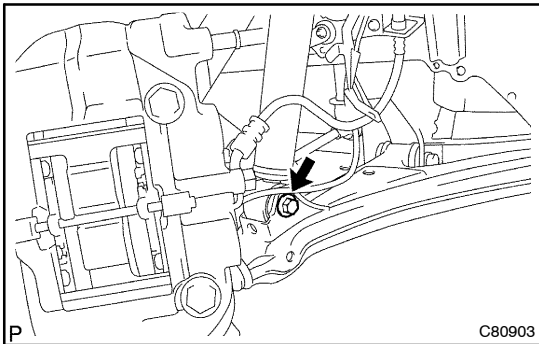
When disposing of the pneumatic front LH w/shock absorber cylinder assy, see DISPOSAL on page 26-17.



- (b) Check that there is a difference in the damping force when the rod is positioned as shown.

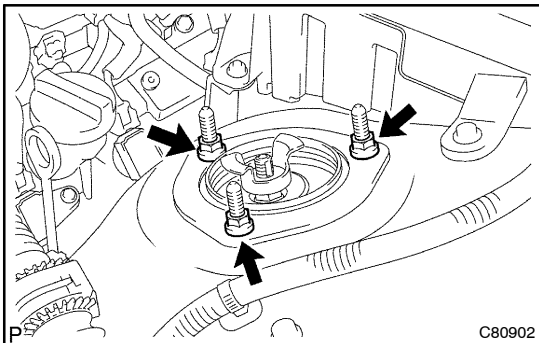
## 9. INSTALL O-RING

- (a) Install the 2 O-rings and connector No.2.

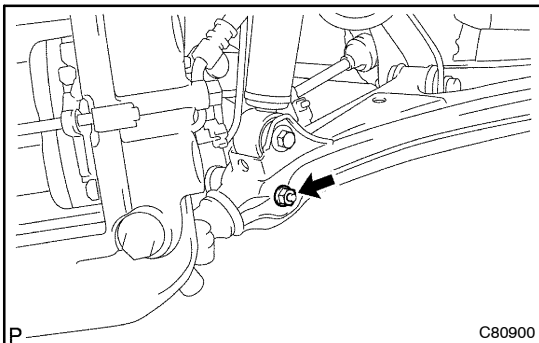


## 10. TEMPORARILY TIGHTEN PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY

- (a) Temporarily install the pneumatic front LH w/shock absorber cylinder assembly with a bolt and a nut.  
 (b) Jack up the suspension lower arm assembly slowly using a wood block to avoid damage.



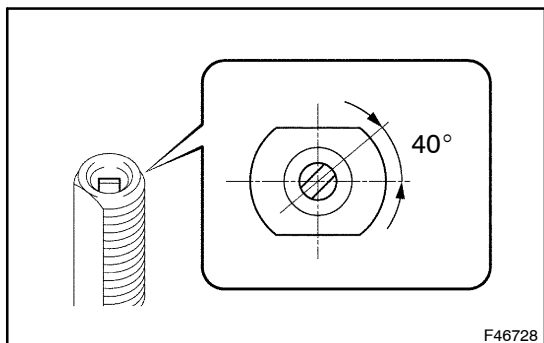
- (c) Install the suspension support and pneumatic front LH w/shock absorber cylinder with 3 nuts.  
**Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)**  
 (d) Connect the air tube to the pneumatic front LH w/shock absorber cylinder assembly.  
 (e) Connect the connector No.1 and install the cover (see page 25-1).



## 11. INSTALL FRONT STABILIZER LINK ASSY LH

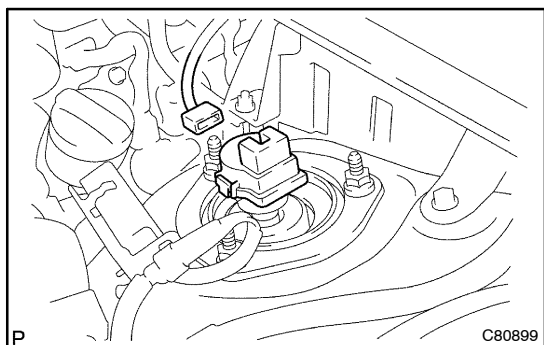
- (a) Install the front stabilizer link assembly LH and washer with a nut.  
**Torque: 55 N·m (560 kgf·cm, 41 ft·lbf)**

## 12. INSTALL HEIGHT CONTROL SENSOR SUB-ASSY FRONT LH

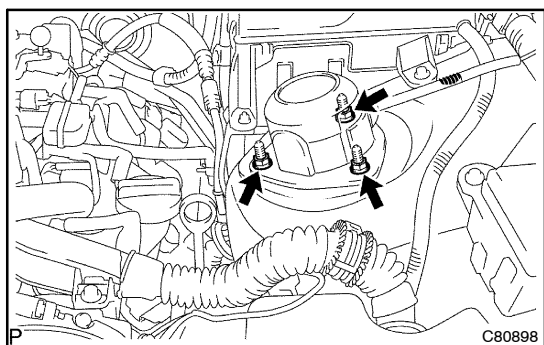


### 13. INSTALL ABSORBER CONTROL ACTUATOR

- (a) Check that the rod position is as shown.



- (b) Install the absorber control actuator to the pneumatic front LH w/ shock absorber cylinder assy.  
(c) Until a response is felt, turn the absorber control actuator clockwise approx. 40°.  
(d) Connect the connector.

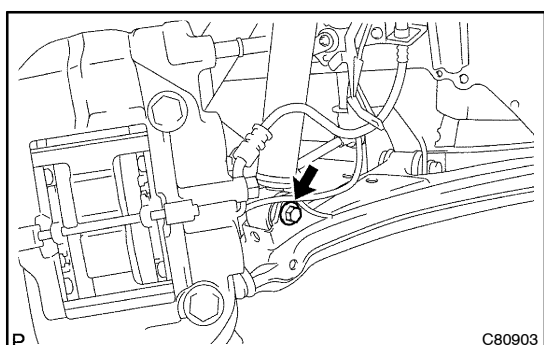


### 14. INSTALL FRONT SHOCK ABSORBER CAP LH

- (a) Install the front shock absorber cap LH with 3 nuts.  
**Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)**  
(b) Start the engine to fill the pneumatic front LH w/ shock absorber cylinder assy with air.

### 15. STABILIZE SUSPENSION

- (a) Install the front wheels.  
**Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)**  
(b) Jack down the vehicle slowly until all the tires are on the ground.  
(c) Bounce the vehicle up and down several times to stabilize the suspension.  
(d) Remove the front wheels.  
(e) Jack up the suspension lower arm using a wood block to avoid damage.



### 16. FULLY TIGHTEN PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY

- (a) Fully tighten the pneumatic front LH w/ shock absorber cylinder assy lower side bolt.  
**Torque: 157 N·m (1,600 kgf·cm, 116 ft·lbf)**

**17. INSTALL FRONT WHEELS**

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

**18. ADJUST VEHICLE HEIGHT (SEE PAGE 25-4)****19. ADJUST FRONT WHEEL ALIGNMENT (SEE PAGE 26-8)**