

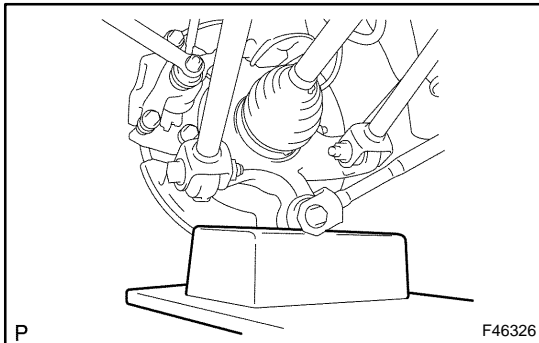
# REAR SHOCK ABSORBER WITH COIL SPRING OVERHAUL

270HX-01

HINT:

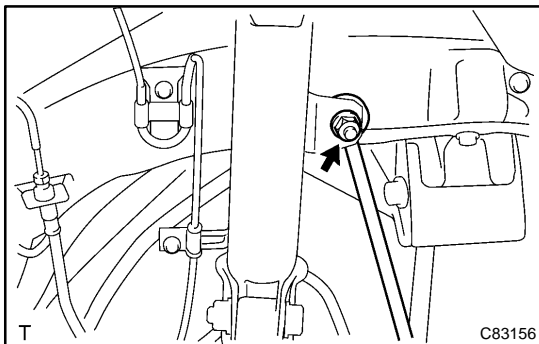
COMPONENTS: See page 27-2 .

1. REMOVE DECK SIDE TRIM COVER LH
2. REMOVE REAR WHEEL



## 3. SEPARATE REAR STABILIZER LINK ASSY LH

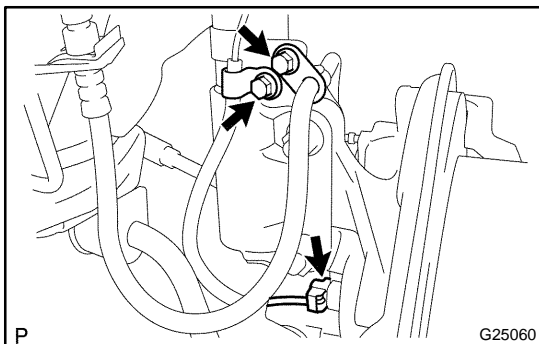
- (a) Support the rear axle carrier with a jack.



- (b) Remove the nut and disconnect the stabilizer link from the shock absorber.

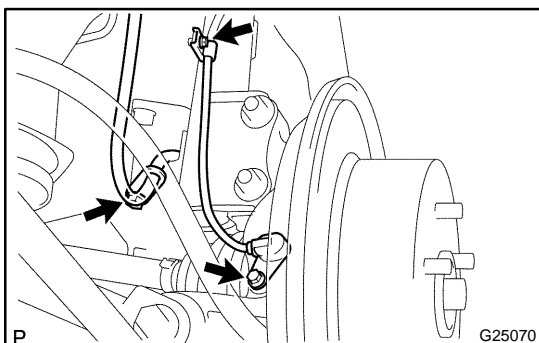
HINT:

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

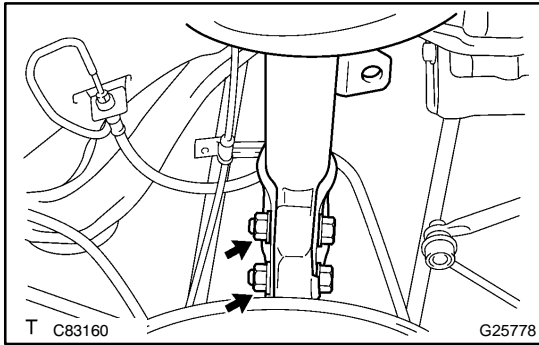


## 4. REMOVE REAR SHOCK ABSORBER WITH COIL SPRING

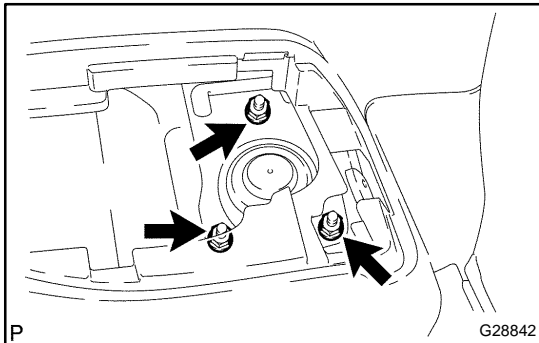
- (a) FF:  
Disconnect the skid control sensor connector. Remove the 2 bolts, and disconnect the flexible hose and skid control sensor wire from the shock absorber.



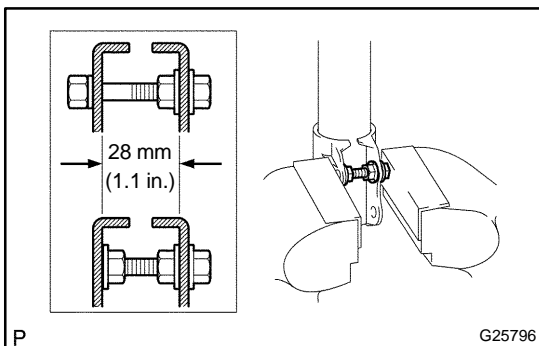
- (b) 4WD:  
Remove the 3 bolts, and disconnect the flexible hose and speed sensor from the shock absorber and rear axle carrier.



- (c) Loosen the 2 nuts on the lower side of the shock absorber.  
**HINT:**  
 Do not remove the 2 bolts and 2 nuts.

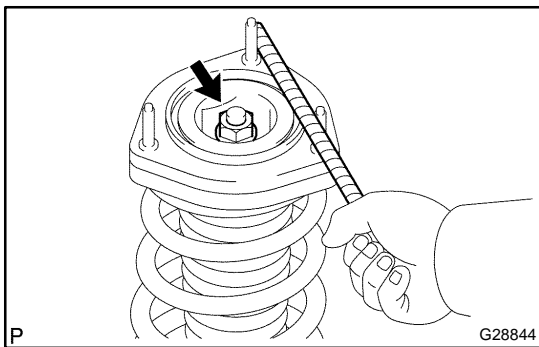


- (d) Remove the 3 nuts.  
 (e) Lower the rear axle carrier, and remove the 2 nuts and 2 bolts on the lower side of the shock absorber.  
 (f) Remove the shock absorber with coil spring.



## 5. FIX REAR SHOCK ABSORBER WITH COIL SPRING

- (a) Install the 2 nuts and bolt to the bracket at the lower part of the shock absorber, and secure it in a vise as shown in the illustration to the left.

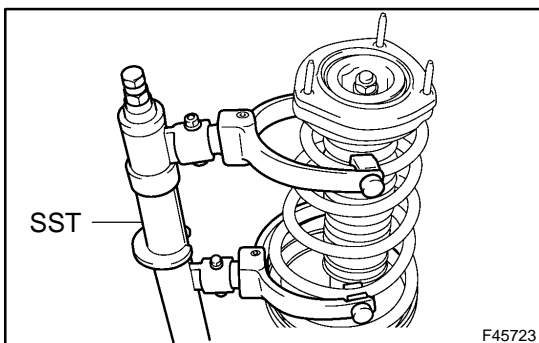


## 6. REMOVE SHOCK ABSORBER ASSY REAR LH

- (a) Loosen the nut while holding the LH support suspension with a bar taped up so as not to damage the stud bolts.

### NOTICE:

- Do not damage the LH support suspension stud bolts.
- Do not remove the nut.

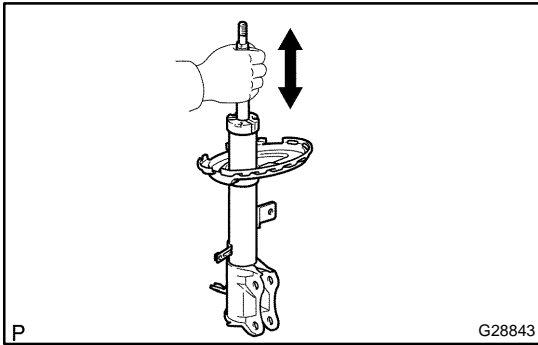


- (b) Using SST, compress the coil spring.  
 SST 09727-30021 (09727-00010, 09727-00021, 09727-00031)

### NOTICE:

**Do not use an impact wrench. It will damage the SST.**

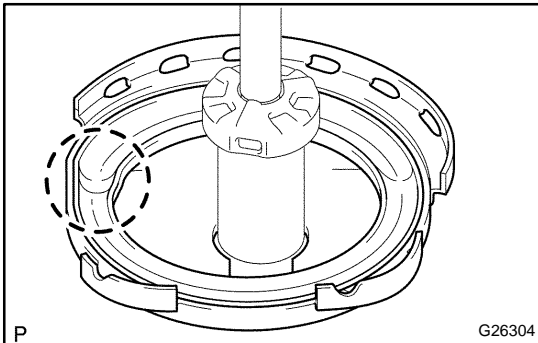
- (c) Remove the nut, collar and LH support suspension.  
 (d) Remove the coil spring, spring bumper and insulator lower.

**7. INSPECT SHOCK ABSORBER ASSY REAR LH**

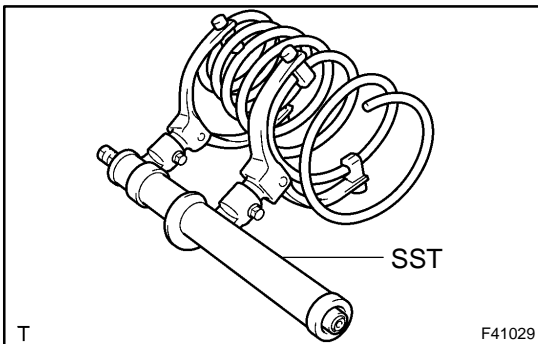
- (a) Compress and extend the shock absorber rod, and check that there is no abnormal resistance or unusual sound. If there is any abnormality, replace the shock absorber with a new one.

**NOTICE:**

**When disposing of the shock absorber, see DISPOSAL on page 27-12 .**

**8. INSTALL SHOCK ABSORBER ASSY REAR LH**

- (a) Install the spring bumper.  
(b) Install the insulator lower, as shown in the illustration.



- (c) Using SST, compress the coil spring.  
SST 09727-30021 (09727-00010, 09727-00021, 09727-00031)

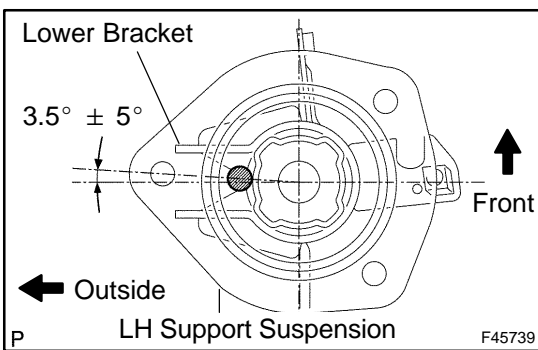
**NOTICE:**

**Do not use an impact wrench. It will damage the SST.**

- (d) Install the coil spring to the shock absorber.

**HINT:**

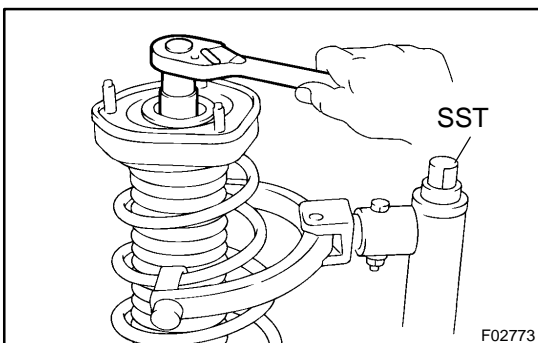
Fit the lower end of the coil spring into the gap of the insulator lower.



- (e) Align the LH support suspension with the shock absorber lower bracket, as shown in the illustration.

**HINT:**

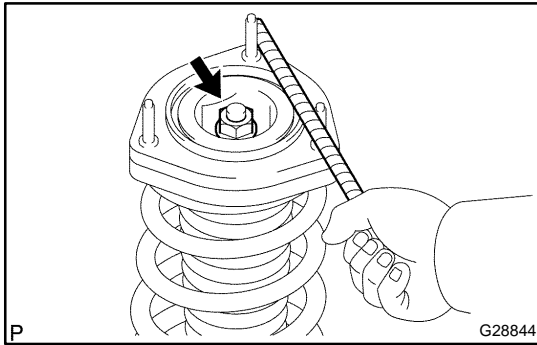
Ensure that the stud bolt is positioned 3.5° to the front of the vehicle as shown in the illustration, and the deviation should be within ±5°.



- (f) Install the collar to the piston rod.  
(g) Temporarily install a new nut.  
(h) Remove the SST.

**HINT:**

After removing SST, recheck the direction of the LH support suspension.

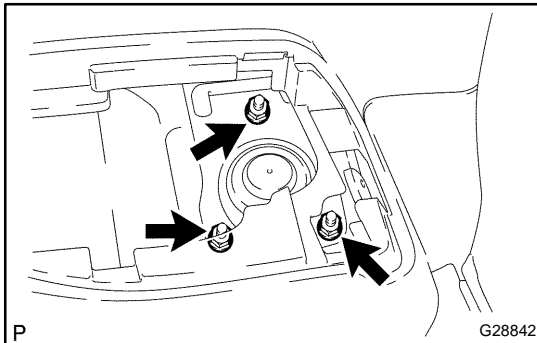


- (i) Fully tighten the nut while holding the LH support suspension with a bar taped up so as not to damage the stud bolts.

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

**NOTICE:**

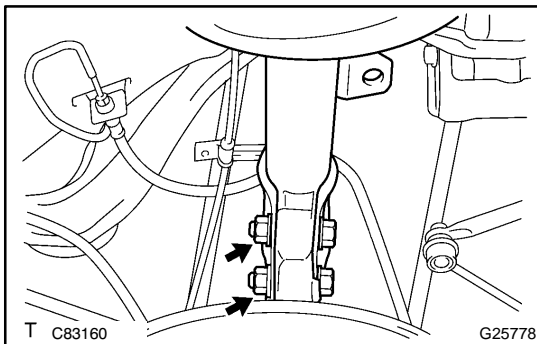
**Do not damage the LH support suspension stud bolts.**



**9. INSTALL REAR SHOCK ABSORBER WITH COIL SPRING**

- (a) Install the shock absorber with coil spring and tighten the 3 nuts.

**Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)**

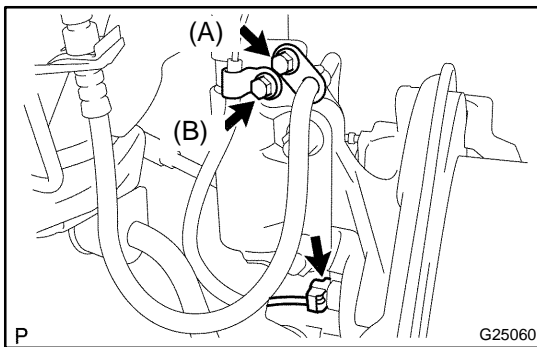


- (b) Install the 2 bolts and nuts to the shock absorber with coil spring.

**Torque: 180 N·m (1,840 kgf·cm, 133 ft·lbf)**

**NOTICE:**

**When installing the nut, keep the bolt from rotating.**

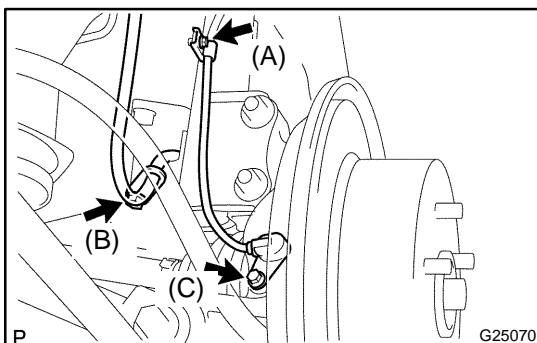


- (c) FF:  
Install the flexible hose and skid control sensor wire with the 2 bolts. Connect the skid control sensor connector.

**Torque:**

**Bolt A: 19 N·m (192 kgf·cm, 14 ft·lbf)**

**Bolt B: 5.0 N·m (51 kgf·cm, 44 in·lbf)**



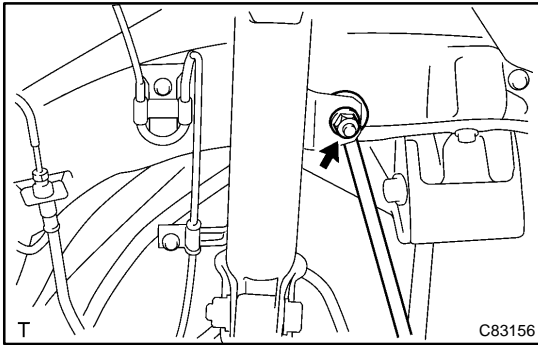
- (d) 4WD:  
Install the flexible hose and speed sensor with the 3 bolts.

**Torque:**

**Bolt A: 5.0 N·m (51 kgf·cm, 44 in·lbf)**

**Bolt B: 19 N·m (192 kgf·cm, 14 ft·lbf)**

**Bolt C: 8.0 N·m (82 kgf·cm, 71 in·lbf)**

**10. INSTALL REAR STABILIZER LINK ASSY LH**

- (a) Install the stabilizer link to the shock absorber with the nut.  
**Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)**

**HINT:**

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

**11. INSTALL REAR WHEEL**

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

**12. INSPECT REAR WHEEL ALIGNMENT (SEE PAGE 27-5 )****13. CHECK ABS SPEED SENSOR SIGNAL (SEE PAGE 05-765 )**