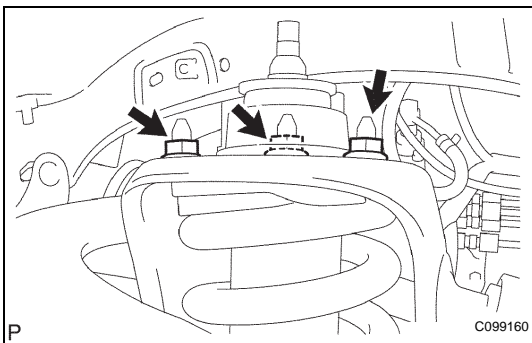
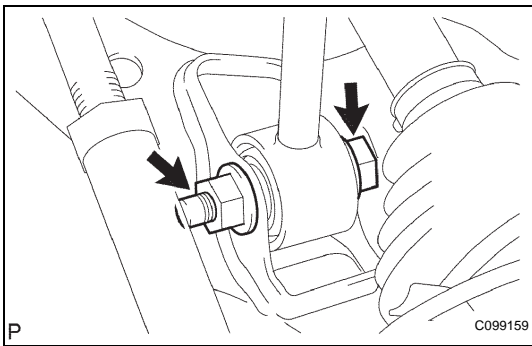
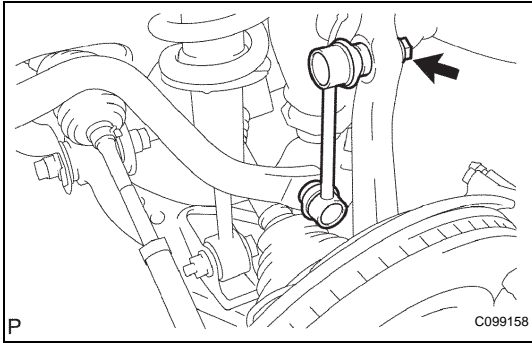


REMOVAL

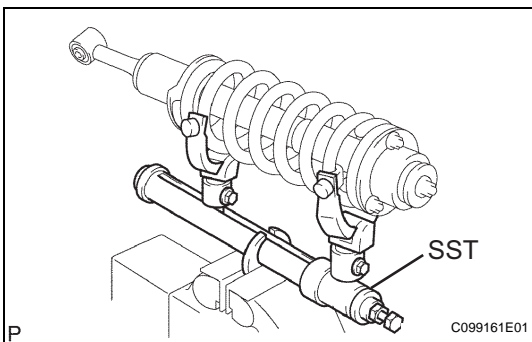
1. REMOVE FRONT WHEELS
2. REMOVE ENGINE UNDER COVER SUB-ASSEMBLY
3. SEPARATE FRONT STABILIZER LINK ASSEMBLY LH
 - (a) Remove the nut and separate the stabilizer link from the steering knuckle.

HINT:
If the ball joint turns together with the nut, use a 6 mm hexagon wrench to hold the stud.
4. SEPARATE FRONT STABILIZER LINK ASSEMBLY RH

HINT:
The removal procedure for the RH side is the same as that for the LH side.
5. REMOVE FRONT STABILIZER BAR (See page [SP-26](#))
6. SEPARATE TIE ROD END SUB-ASSEMBLY (See page [DS-3](#))
7. REMOVE FRONT SHOCK ABSORBER WITH COIL SPRING
 - (a) Remove the bolt, nut and washer.



- (b) Remove the 3 nuts on the upper side of the front shock absorber with coil spring.
- (c) Remove the front shock absorber with coil spring.

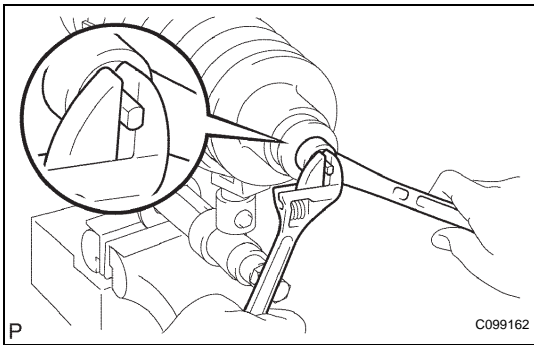


DISASSEMBLY

1. REMOVE FRONT SUPPORT TO FRONT SHOCK ABSORBER NUT
 - (a) Using SST, compress the coil spring.
SST 09727-30021 (09727-00010, 09727-00031),
09727-00060

NOTICE:

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



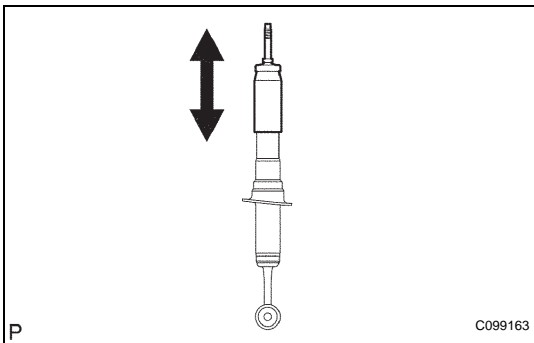
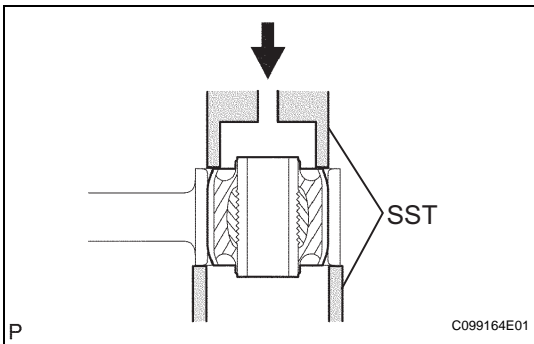
- (b) While holding the shock absorber rod, remove the nut.

NOTICE:

Do not use an impact wrench. It will damage the shock absorber rod.

2. REMOVE FRONT SHOCK ABSORBER CUSHION RETAINER
3. REMOVE FRONT SHOCK ABSORBER NO. 1 CUSHION
4. REMOVE FRONT SUSPENSION SUPPORT SUB-ASSEMBLY
5. REMOVE FRONT SHOCK ABSORBER CUSHION RETAINER
6. REMOVE FRONT COIL SPRING
7. REMOVE FRONT SHOCK ABSORBER BUSH

- (a) Using SST and a press, remove the absorber bush.
SST 09710-22021 (09710-01071, 09710-01081)

**INSPECTION**

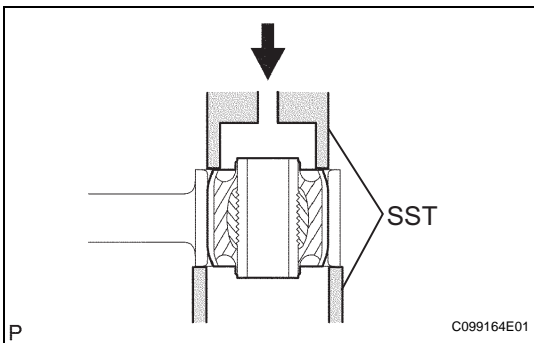
1. INSPECT FRONT SHOCK ABSORBER ASSEMBLY
 - (a) Compress and extend the shock absorber rod and check that there is no abnormal resistance or unusual sound during operation. If there is any abnormality, replace the shock absorber with a new one.

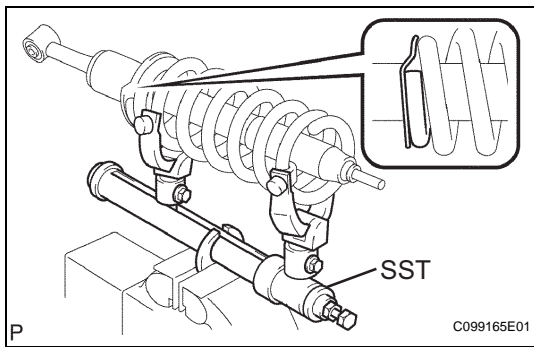
NOTICE:

When disposing of the shock absorber, see DISPOSAL on page SP-13.

REASSEMBLY

1. INSTALL FRONT SHOCK ABSORBER BUSH
 - (a) Using SST and a press, install a new absorber bush.
SST 09710-22021 (09710-01071, 09710-01081)





2. INSTALL FRONT COIL SPRING

- (a) Using SST, compress the front coil spring.
SST 09727-30021 (09727-00010, 09727-00031), 09727-00060

NOTICE:

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

- (b) Install the coil spring onto the shock absorber.

HINT:

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

3. INSTALL FRONT SHOCK ABSORBER CUSHION RETAINER

4. INSTALL FRONT SUSPENSION SUPPORT SUB-ASSEMBLY

5. INSTALL FRONT SHOCK ABSORBER NO. 1 CUSHION

6. INSTALL FRONT SHOCK ABSORBER CUSHION RETAINER

7. INSTALL FRONT SUPPORT TO FRONT SHOCK ABSORBER NUT

- (a) Align the suspension support and the absorber bush as shown in the illustration.

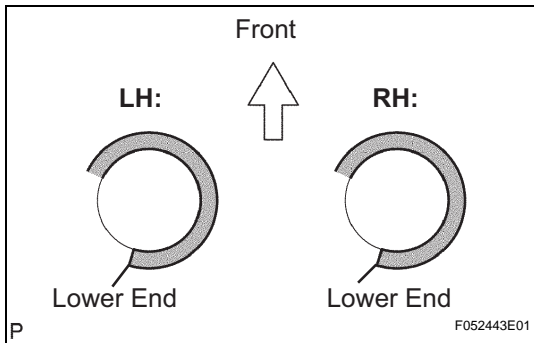
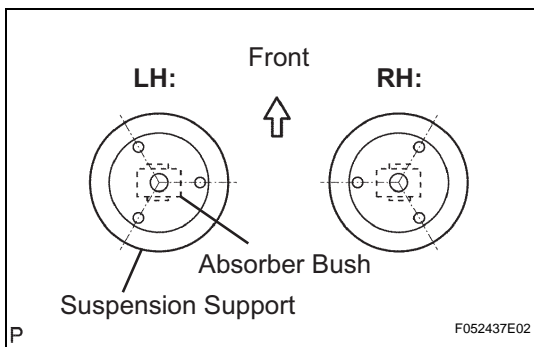
- (b) Fit and tighten a new lock nut.

Torque: 25 N*m (255 kgf*cm, 18 ft.*lbf)

NOTICE:

Do not use an impact wrench. It will damage the shock absorber rod.

- (c) Release the coil spring while checking the position of the suspension support.



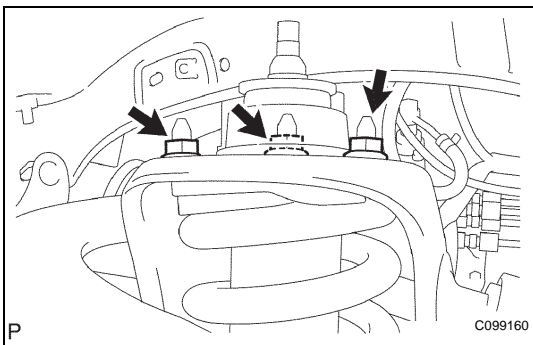
INSTALLATION

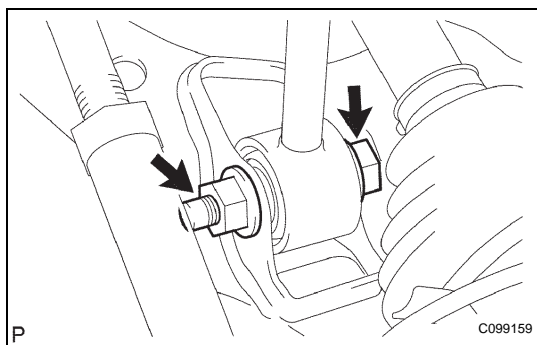
1. TEMPORARILY TIGHTEN FRONT SHOCK ABSORBER WITH COIL SPRING

- (a) Install the coil spring onto the body with the lower end of the coil spring facing the rear side of the vehicle.

- (b) Install the 3 nuts onto the upper side of the front shock absorber with coil spring.

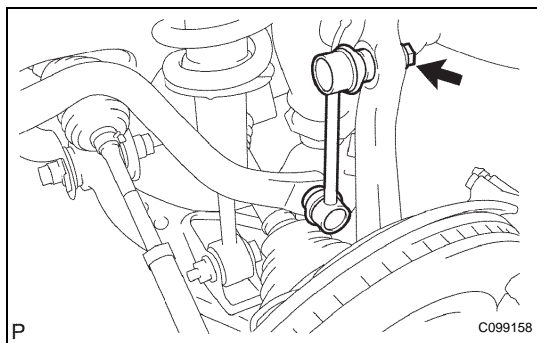
Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf)





(c) Provisionally tighten the bolt, nut and washer as shown in the illustration.

2. **INSTALL TIE ROD END SUB-ASSEMBLY** (See page [DS-10](#))
3. **INSTALL FRONT STABILIZER BAR** (See page [SP-27](#))



4. **INSTALL FRONT STABILIZER LINK ASSEMBLY LH**

(a) Install the stabilizer link onto the steering knuckle with the nut.

Torque: 70 N*m (714 kgf*cm, 52 ft.*lbf)

HINT:

If the ball joint turns together with the nut, use a 6 mm hexagon wrench to hold the stud.

5. **INSTALL FRONT STABILIZER LINK ASSEMBLY RH**

HINT:

The installation procedure for the RH side is the same as that for the LH side.

6. **INSTALL ENGINE UNDER COVER SUB-ASSEMBLY**
Torque: 29 N*m (296 kgf*cm, 21 ft.*lbf)

7. **INSTALL FRONT WHEELS**

Torque: 112 N*m (1,137 kgf*cm, 82 ft.*lbf)

8. **STABILIZE SUSPENSION**

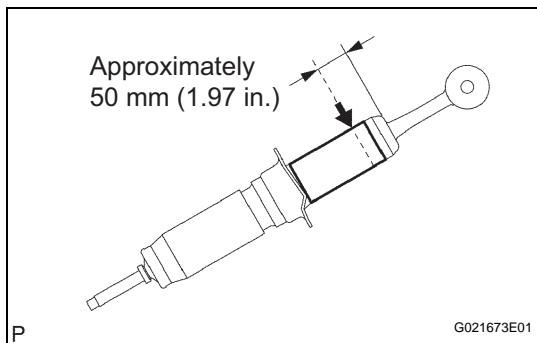
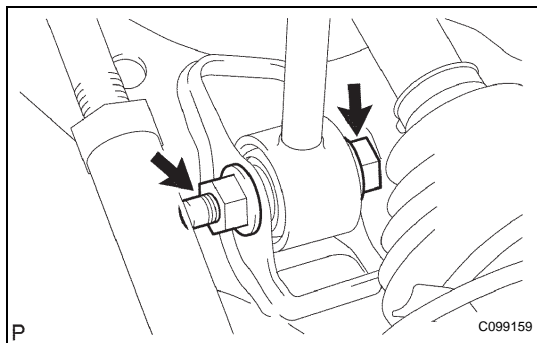
- (a) Jack down the vehicle.
- (b) Bounce the vehicle up and down several times to stabilize the suspension.

9. **FULLY TIGHTEN FRONT SHOCK ABSORBER WITH COIL SPRING**

(a) Fully tighten the nut.

Torque: 135 N*m (1,377 kgf*cm, 100 ft.*lbf)

10. **INSPECT AND ADJUST FRONT WHEEL ALIGNMENT**
(See page [SP-2](#))



DISPOSAL

1. **DISPOSE OF FRONT SHOCK ABSORBER ASSEMBLY**

- (a) Fully extend the shock absorber piston rod, and fix it at an angle in a vise or similar tool.
- (b) Using a drill or similar tool, slowly make a hole at approximately 50 mm (1.97 in.) from the top end of the shock absorber, and discharge the gas inside.

CAUTION:

- The gas is colorless, odorless and harmless.

- **Since the discharged gas may cause chips to scatter, cover the drill with a shop rag or piece of cloth when making the hole.**