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.
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)
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.