

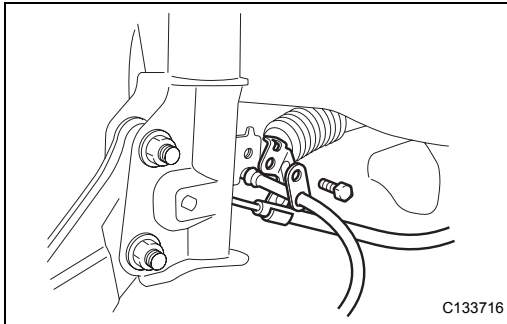
FRONT SHOCK ABSORBER WITH COIL SPRING

REMOVAL

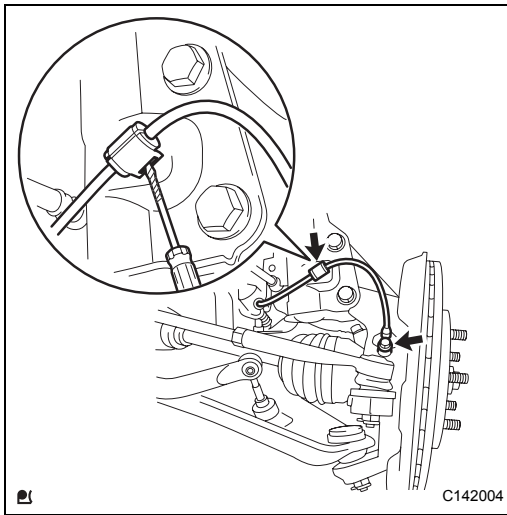
1. REMOVE FRONT TIRE

2. REMOVE FRONT SHOCK ABSORBER WITH COIL SPRING

- (a) Remove the bolt, and disconnect the brake flexible hose and the speed sensor FR from the front shock absorber with coil spring.



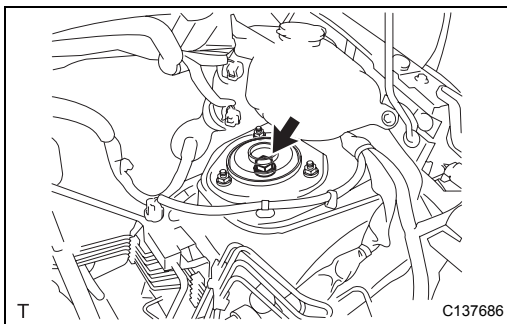
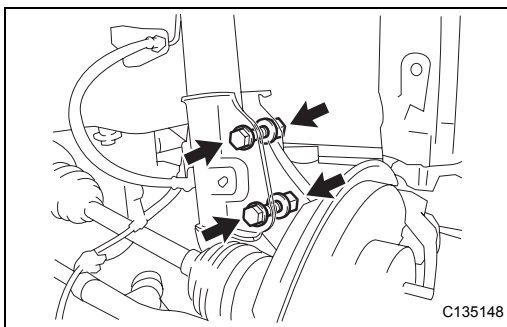
- (b) Using a flathead screwdriver wrapped in protective tape, remove the speed sensor clamp.
- (c) Remove the bolt, and disconnect the speed sensor FR from the front shock absorber with coil spring.



- (d) Remove the 2 bolts and 2 nuts, and disconnect the front shock absorber with coil spring from the steering knuckle.
- (e) Remove the bearing dust cover.
- (f) Loosen the lock nut of the front shock absorber.

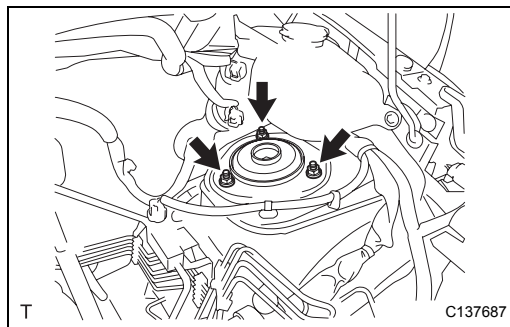
NOTICE:

- Only loosen the lock nut. Do not remove it.



- Loosen the lock nut only when disassembling the front shock absorber with coil spring.



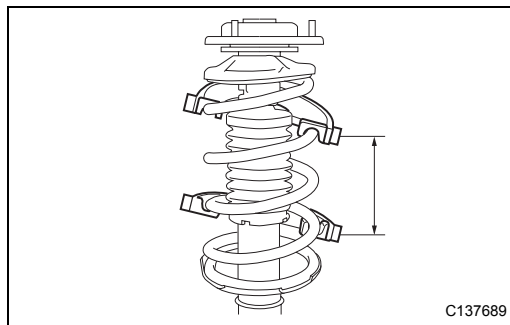


- (g) Remove the 3 nuts. Then remove the front suspension support No. 2 and the front shock absorber with coil spring.

NOTICE:

Cover the drive shaft boot with a rag so as not to damage it.

DISASSEMBLY



1. REMOVE FRONT SUSPENSION SUPPORT

- (a) Install the SST to the front coil spring so that the top and bottom hooks on the SST are fully extended. Compress the coil spring until it moves freely.

SST 09727-30021

NOTICE:

- Install the SST so that there is the greatest possible distance between the hooks.
- Do not use an impact wrench.

- (b) Remove the lock nut.
(c) Remove the front suspension support.

2. REMOVE FRONT SPRING SHEET

3. REMOVE FRONT SHOCK ABSORBER DUST COVER LH NO. 1

4. REMOVE FRONT SPRING BUMPER NO. 1

- (a) Remove the front spring bumper No. 1 from the front shock absorber.

5. REMOVE FRONT COIL SPRING LH

6. REMOVE FRONT COIL SPRING INSULATOR UPPER

- (a) Remove the front coil spring insulator upper from the coil spring.

INSPECTION

1. CHECK FRONT SHOCK ABSORBER ASSEMBLY LH

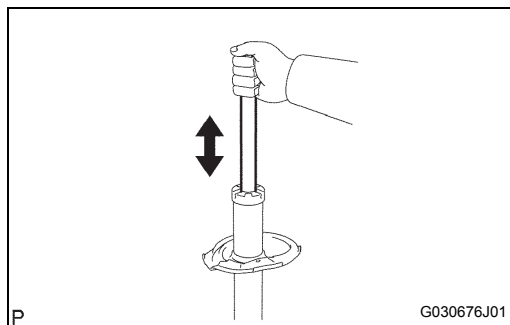
- (a) Check the shock absorber operation.
- (1) Compress and extend the front shock absorber assembly 4 or more times.
 - (2) Check the front shock absorber assembly.

Standard:

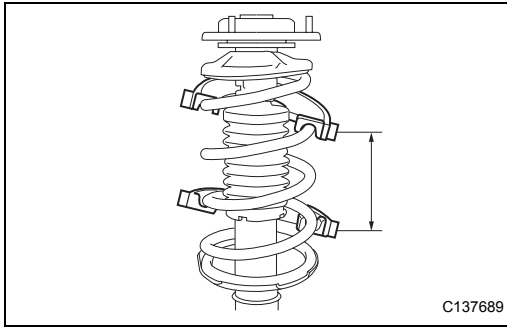
When compressing and extending the front shock absorber assembly LH at a constant speed, the weight of all the strokes is constant and there is no abnormal resistance or sound. When extending, it returns at a constant speed and there is no abnormal noise.

HINT:

If there is any abnormality, replace the front shock absorber assembly with a new one.



REASSEMBLY



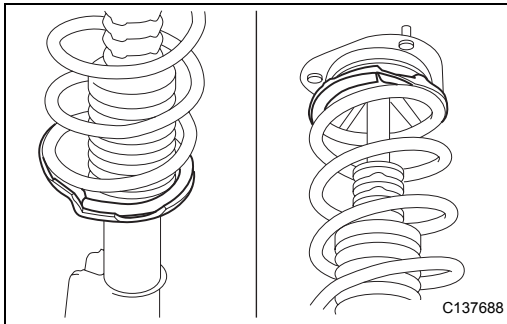
1. INSTALL FRONT COIL SPRING LH

SST 09727-30021

- (a) Using the SST, compress the coil spring.

NOTICE:

Do not use an impact wrench.



- (b) Install the coil spring so that the end comes to the stepped portion of the shock absorber.

NOTICE:

Install the spring with the smaller diameter facing up.

2. INSTALL FRONT SPOIL SPRING INSULATOR UPPER

3. INSTALL FRONT SPRING BUMPER NO. 1

4. REMOVE FRONT SHOCK ABSORBER DUST COVER LH NO. 1

5. INSTALL FRONT SPRING SHEET

- (a) Install the front spring sheet so that the stepped portion of the front spring sheet and the end of the coil spring are aligned.

6. INSTALL FRONT SUSPENSION SUPPORT

- (a) Temporarily tighten a new lock nut to the front shock absorber assembly.

- (b) Release the SST and remove it from the coil spring.

NOTICE:

Do not use an impact wrench.

HINT:

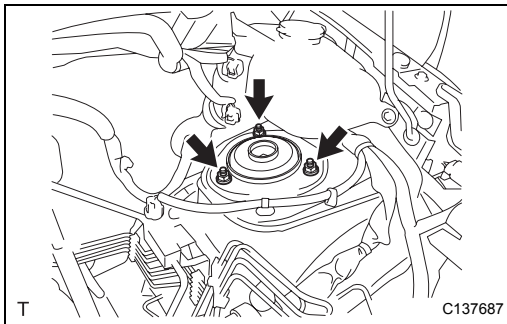
After installing the front shock absorber in the vehicle, tighten the lock nut.

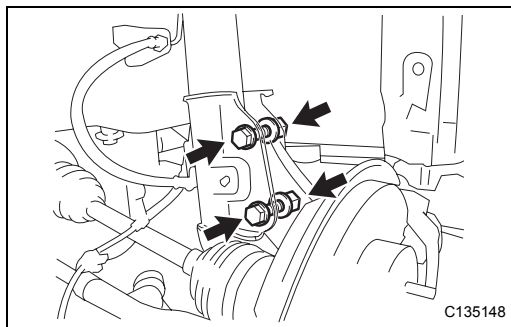
INSTALLATION

1. INSTALL FRONT SHOCK ABSORBER WITH COIL SPRING

- (a) Install the suspension support side on the vehicle with the 3 nuts.

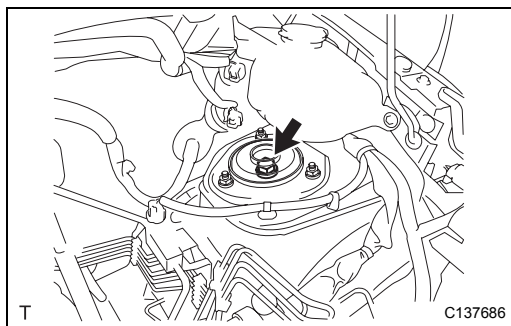
Torque: 26.5 N*m (270 kgf*cm)





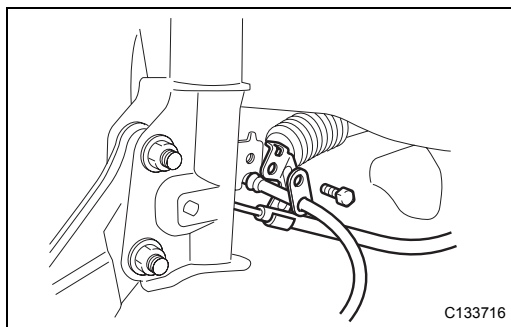
- (b) Insert the 2 bolts from the front of the vehicle and tighten the front shock absorber with coil spring and the steering knuckle with the 2 nuts.

Torque: 95.7 N*m (976 kgf*cm)



- (c) Fully tighten the new lock nut.

Torque: 47.1 N*m (480 kgf*cm)



- (d) With the bolt and the wire harness clamp, install the flexible hose and the speed sensor to the shock absorber.

Torque: 18.2 N*m (186 kgf*cm)

NOTICE:

Do not twist the speed sensor or the flexible hose while installing.

2. INSTALL FRONT TIRE

Torque: 103 N*m (1050 kgf*cm)

3. CHECK AND ADJUST FRONT WHEEL ALIGNMENT

(See page SP-4.)

DISPOSAL

1. DISPOSE OF FRONT SHOCK ABSORBER ASSEMBLY LH

- (a) The disposal procedure is described below.

- (1) Use a vise to fix the shock absorber with the piston-rod extended.
- (2) Using a metal saw or equivalent, slowly make a cut 5 cm (2 in.) from the upper end of the shock absorber to discharge the gas inside.

NOTICE:

- The gas that discharges is colorless, odorless and non-poisonous.
- Cover the metal saw with a cloth, etc. when drilling the hole because the force of the gas may cause it to burst out.

