

Last Modified: 7-13-2007		1.6 A
Service Category: Suspension	Section: Front Suspension	
Model Year: 2008	Model: ES350	Doc ID: RM0000011DF00QX
Title: SUSPENSION: FRONT SHOCK ABSORBER: REMOVAL (2008 ES350)		

## REMOVAL

### HINT:

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

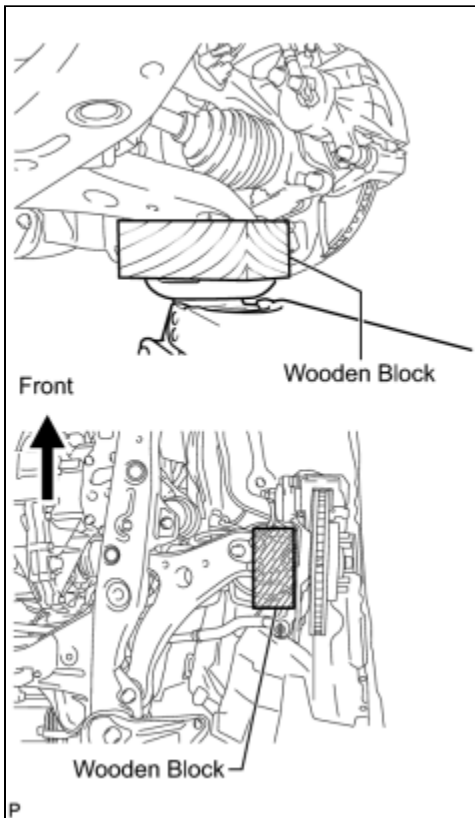
#### 1. REMOVE FRONT WHEEL

#### 2. REMOVE ENGINE ROOM SIDE COVER LH [INFO](#)

#### 3. REMOVE ENGINE ROOM SIDE COVER RH [INFO](#)

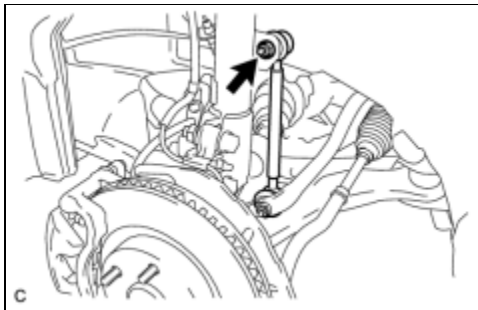
#### 4. REMOVE V-BANK COVER SUB-ASSEMBLY [INFO](#)

#### 5. SEPARATE FRONT STABILIZER LINK ASSEMBLY



(a) Support the front No. 1 suspension lower arm with a jack using a wooden block to avoid damage.

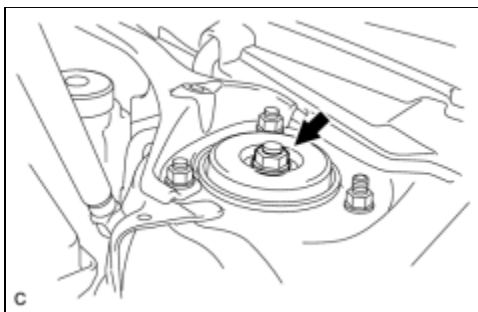
(b) Remove the nut and separate the front stabilizer link assembly from the front shock absorber.



**HINT:**

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

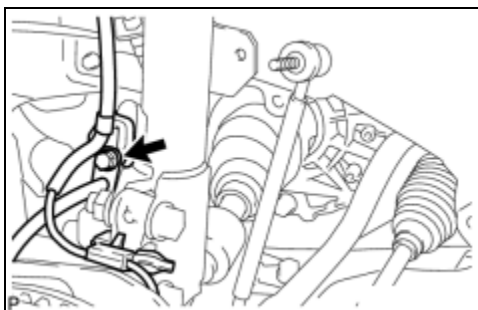
**6. REMOVE FRONT SHOCK ABSORBER WITH COIL SPRING**



(a) Loosen the lock nut of the front shock absorber with coil spring.

**NOTICE:**

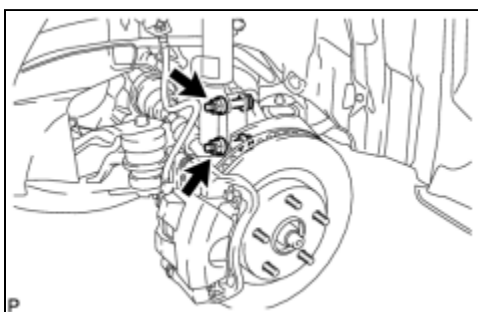
- Do not remove the lock nut.
- Only loosen the nut when disassembling the front shock absorber with coil spring.



(b) Remove the bolt and disconnect the front flexible hose and front speed sensor wire harness from the front shock absorber with coil spring.

**NOTICE:**

Be sure to remove the front speed sensor from the front shock absorber with coil spring.

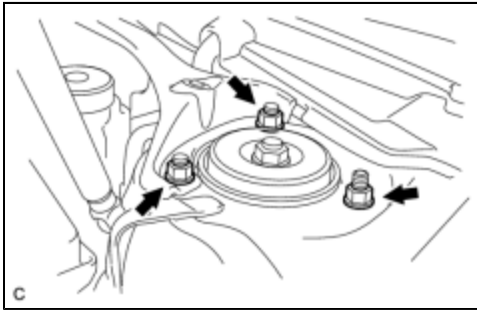


(c) Remove the 2 nuts on the lower side of the front shock absorber with coil spring.

**NOTICE:**

- When removing the nuts, keep the bolts from rotating.
- Keep the bolts inserted to secure the front axle assembly.

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



(e) Lower the front axle assembly, and remove the 2 bolts on the lower side of the front shock absorber.

(f) Remove the front shock absorber with coil spring.

**NOTICE:**

**Make sure that the front speed sensor is disconnected from the front shock absorber with coil spring.**

