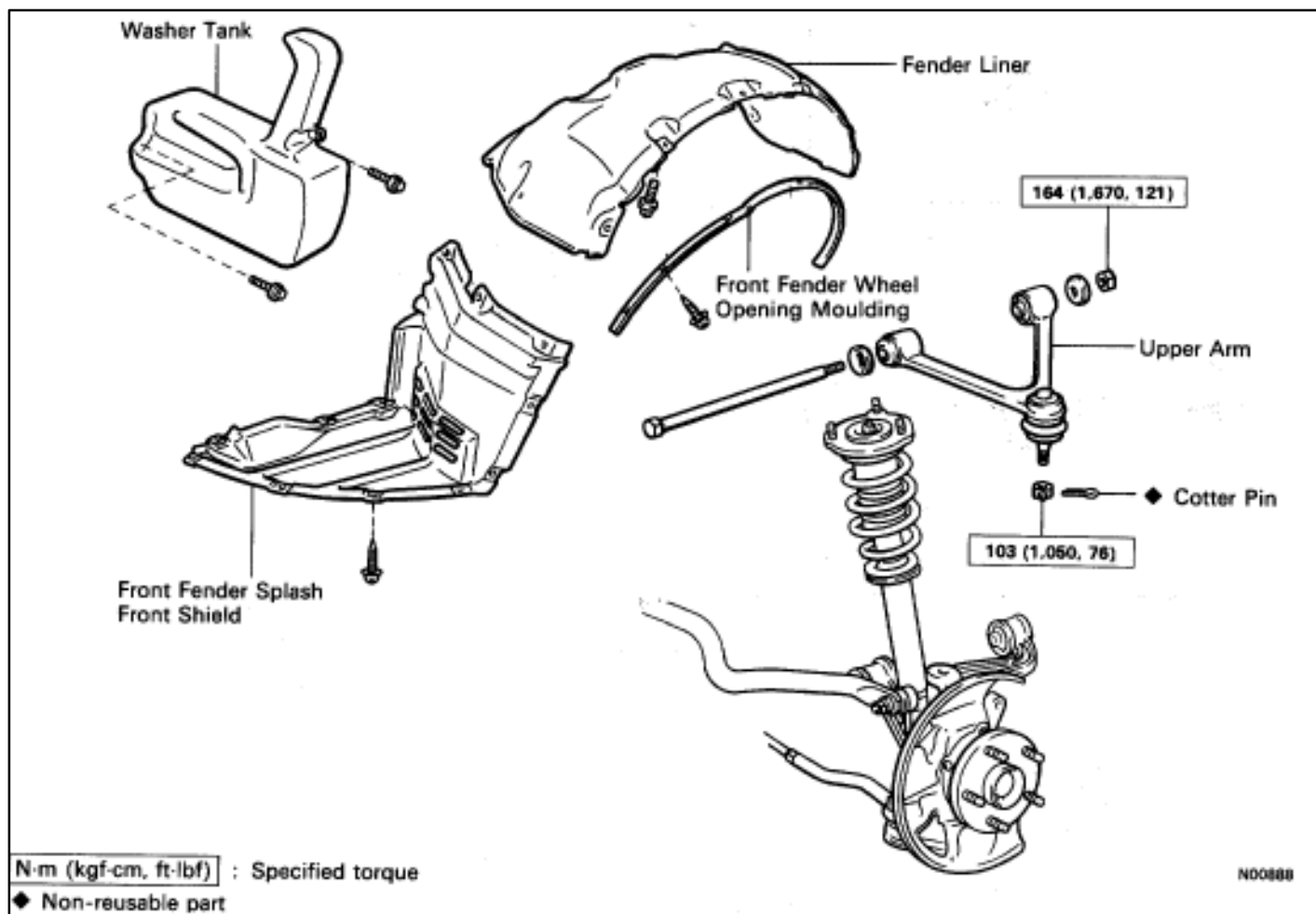
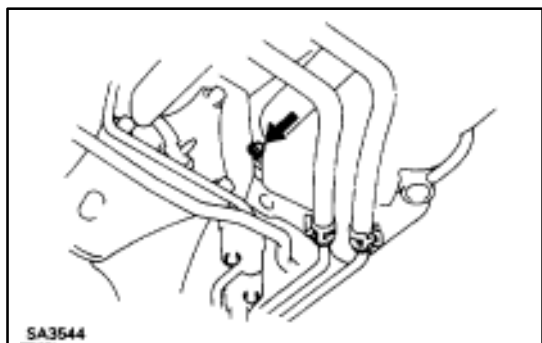
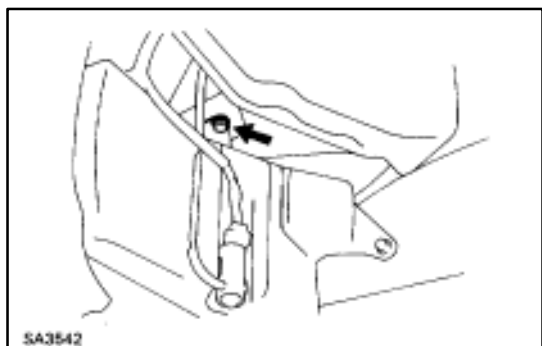


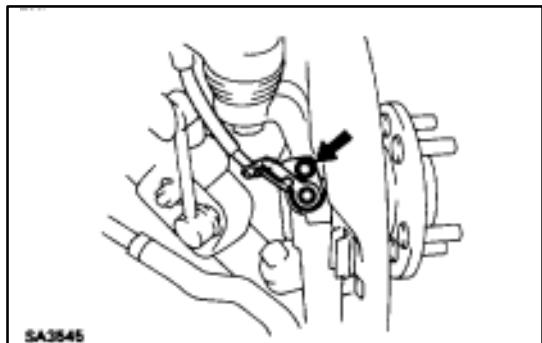
## Upper Suspension Arm COMPONENTS



## REMOVAL OF UPPER SUSPENSION ARM

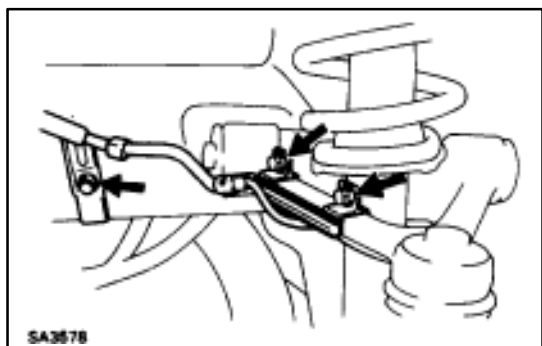
1. JACK UP VEHICLE AND REMOVE FRONT WHEEL
2. REMOVE FRONT FENDER SPLASH FRONT SHIELD, FENDER LINER AND FRONT FENDER WHEEL OPENING MOULDING
3. (LH SIDE)  
BE CRANK WASHER TANK
  - (a) Loosen the bolt.
  - (b) Remove the bolt from the washer tank.



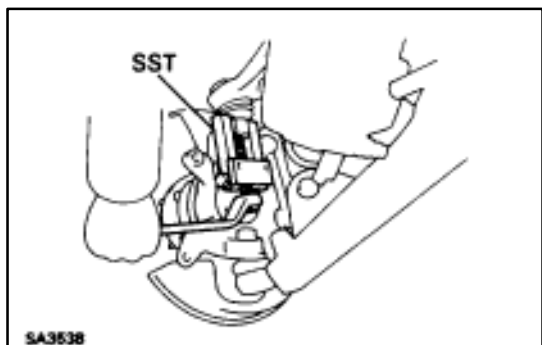


#### 4. REMOVE ABS SPEED SENSOR AND WIREHARNESS CLAMP

- (a) Remove the bolt and disconnect the speed sensor from the steering knuckle.



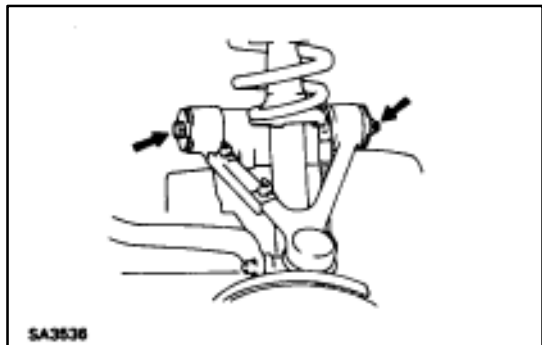
- (b) Remove the three bolts and wireharness clamp to prevent the wireharness damaging when removing or installing the though bolt.



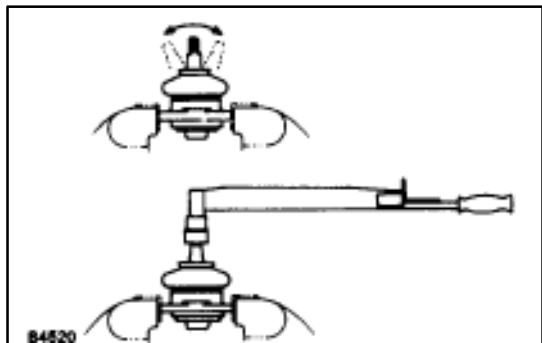
#### 5. REMOVE UPPER SUSPENSION ARM

- (a) Remove the cotter pin and the nut.
- (b) Using SST, disconnect the upper suspension arm from the steering knuckle.

SST 09628-62011



- (c) Remove the bolt and nut.
- (d) Remove the upper suspension arm.



### INSPECTION OF UPPER BALL JOINT

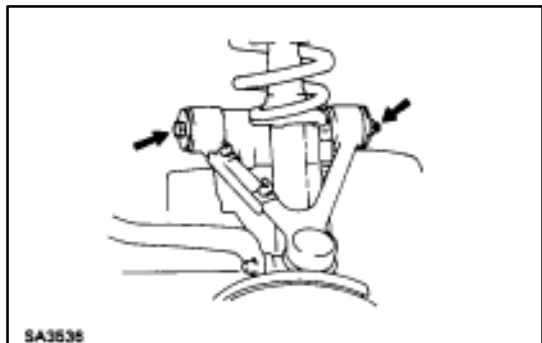
#### INSPECT BALL JOINT FOR ROTATION CONDITION

- (a) As shown, flip the ball joint stud back and forth 5 times before install the nut.
- (b) Using a torque gauge, turn the nut continuously one turn per 2-4 seconds and take the torque reading on the 5th turn.

**Torque (turning): 1.0-3.4 N·m**

**(10-35 kgf·cm, 9-30 in·lbf)**

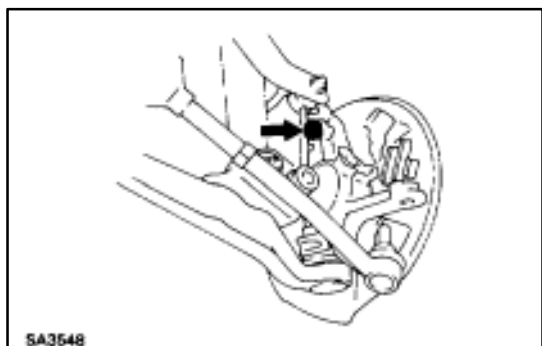
If not within specification, replace the upper suspension arm.



## INSTALLATION OF UPPER SUSPENSION ARM

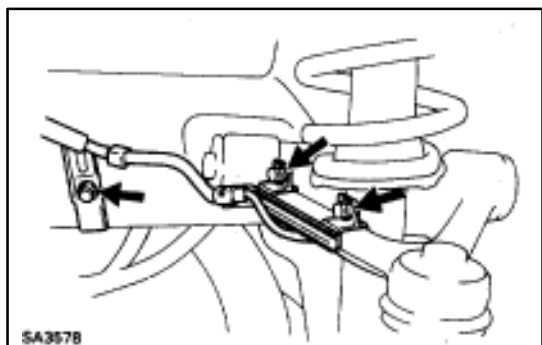
### 1. INSTALL UPPER SUSPENSION ARM

- (a) Temporarily install the upper suspension arm to the member with the bolt and nut.



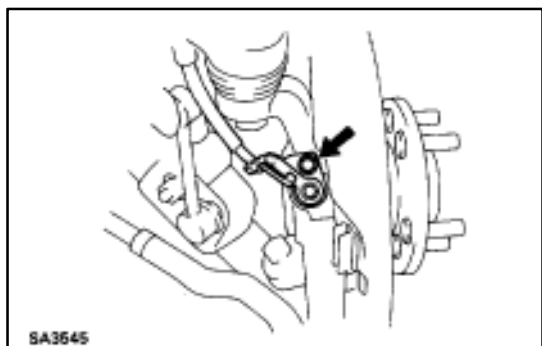
- (b) Connect the upper suspension arm to the steering knuckle with the nut and a new cotter pin.

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



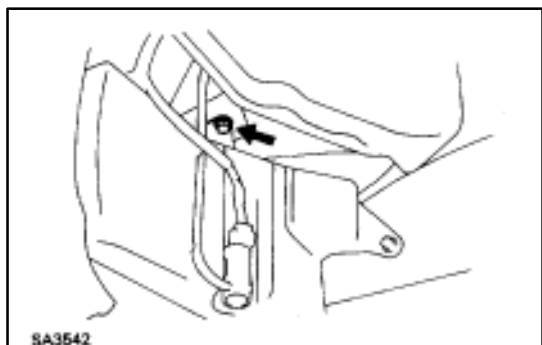
### 2. INSTALL ABS SPEED SENSOR AND WIREHARNESS CLAMP

- (a) Install the wireharness to the upper suspension arm and body with the three bolts.



- (b) Install the speed sensor to the steering knuckle with the bolt.

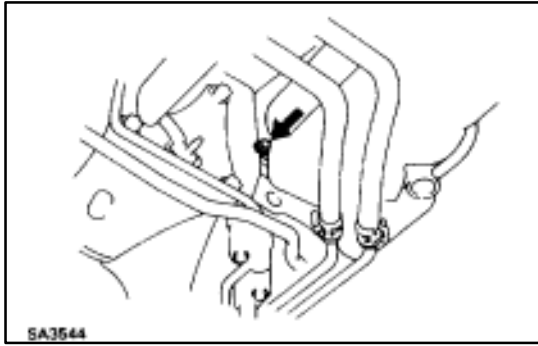
**Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)**



### 3. (LH SIDE)

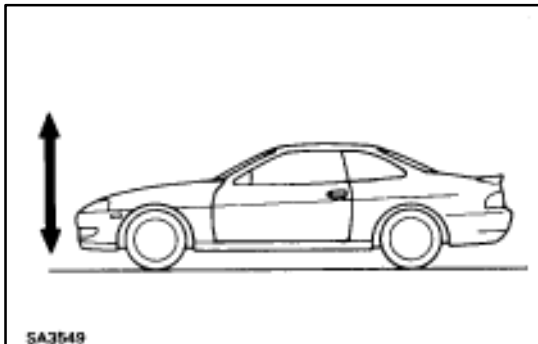
#### FIX WASHER TANK

- (a) Tighten the bolt.



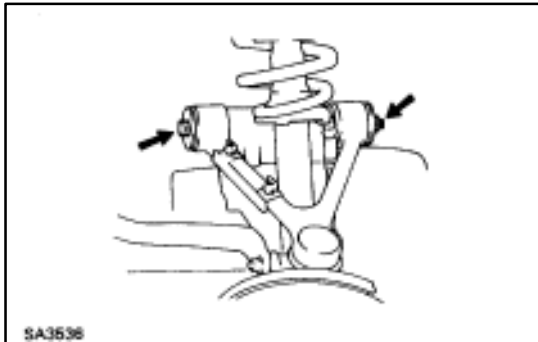
(b) Install and tighten the bolt.

**4. INSTALL FENDER LINER, ENGINE UNDER COVER AND FRONT FENDER LINER WHEEL OPENING MOULDING**



**5. STABILIZE SUSPENSION**

- (a) Install the front wheel.
- (b) Bounce the vehicle up and down several times to stabilize the suspension.
- (c) Remove the front wheel.



**6. TIGHTEN BOLT AND NUT OF UPPER SUSPENSION ARM**

- (a) Support the lower arm with jack.
- (b) Torque the bolt and nut the specified torque.

**Torque: 164 N·m (1,670 kgf·cm, 121 ft·lbf)**

**7. INSTALL FRONT WHEEL AND LOWER VEHICLE**

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

**8. CHECK FRONT WHEEL ALIGNMENT**

(See page [SA-5](#))