

## REMOVAL

### 1. PRECAUTION

(See page [RS-1](#))

### 2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Wait for at least 90 seconds after disconnecting the cable to prevent the air bag from working.

### 3. REMOVE NO.2 LOWER STEERING WHEEL COVER

- (a) Using a screwdriver with its tip wrapped in protective tape, disengage the 2 claws and remove the No. 2 lower steering wheel cover.

### 4. REMOVE NO.3 LOWER STEERING WHEEL COVER

- (a) Using a screwdriver with its tip wrapped in protective tape, disengage the 2 claws and remove the No. 3 lower steering wheel cover.

### 5. REMOVE STEERING PAD

- (a) Using a "torx" socket wrench (T30), loosen the 2 "torx" screws until the groove along the screw circumference fits in the screw case.

- (b) Pull the steering pad out of the steering wheel assembly and support the steering pad with one hand, as shown in the illustration.

#### NOTICE:

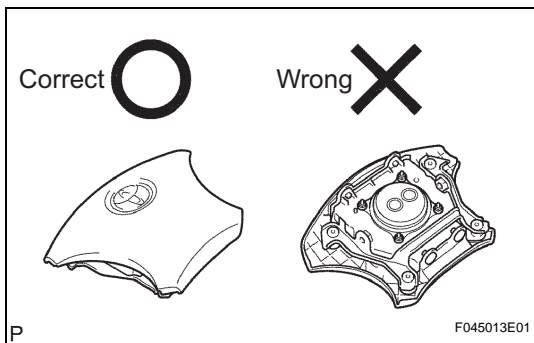
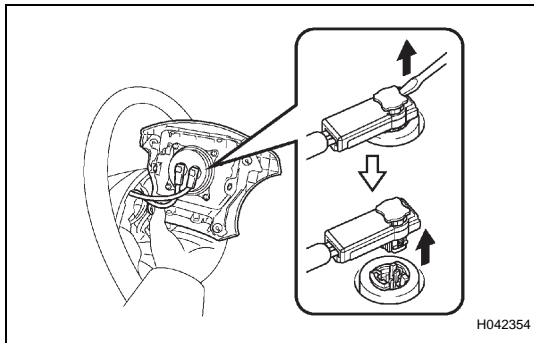
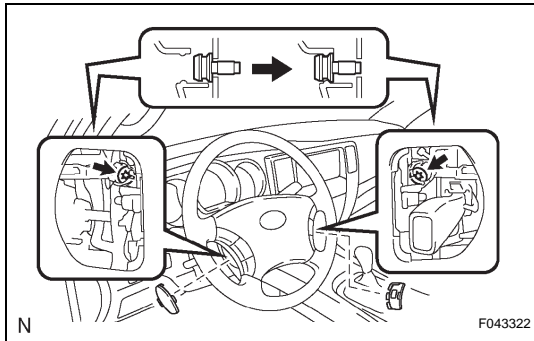
**When removing the steering pad, take care not to pull the airbag wire harness.**

- (c) Disconnect the horn ground harness from the steering pad.  
(d) Using a screwdriver, disconnect the airbag connectors.

- (e) Remove the steering pad.

#### CAUTION:

- When placing the steering pad assembly, keep the upper surface of the steering pad facing upward.
- Never disassemble the steering pad.



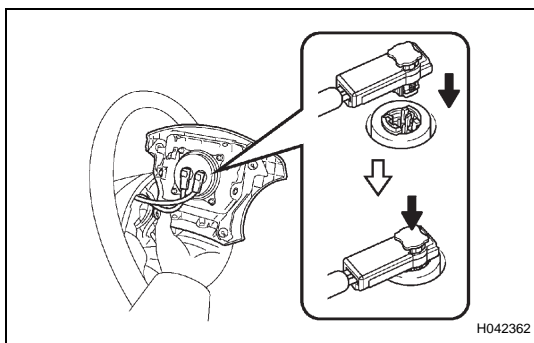
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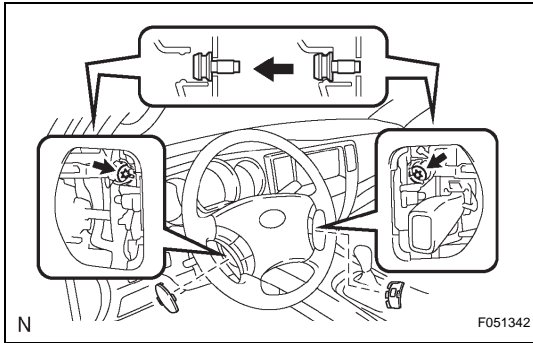
## INSTALLATION

### 1. INSTALL STEERING PAD

#### NOTICE:

- Never use airbag parts from a different vehicle. When replacing parts, replace them with new ones.
- Make sure the wheel pad is installed to the specified torque.
- If the wheel pad has been dropped, or there are cracks, dents or other defects in the case or connector, replace the wheel pad with a new one.





- When installing the wheel pad, take care that the wiring does not interfere with other parts and is not pinched between other parts.
- (a) Support the steering pad with one hand, as shown in the illustration.
- (b) Connect the 2 airbag connectors.
- (c) Connect the horn ground harness to the steering pad.
- (d) Confirm that the circumference groove of the "torx" screws fits in the screw case, and install the steering pad.
- (e) Using a "torx" socket wrench (T30), install the 2 screws.

**Torque: 8.8 N\*m (90 kgf\*cm, 78 in.\*lbf)**

**2. INSTALL NO.3 LOWER STEERING WHEEL COVER**

- (a) Engage the 2 claws, install the No. 3 lower steering wheel cover to the steering wheel assembly.

**3. INSTALL NO.2 LOWER STEERING WHEEL COVER**

- (a) Engage the 2 claws, install the No. 2 lower steering wheel cover to the steering wheel assembly.

**4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

**Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)**

**5. INSPECT STEERING PAD ASSEMBLY**

**6. INSPECT SRS WARNING LIGHT**

(See page [RS-28](#))

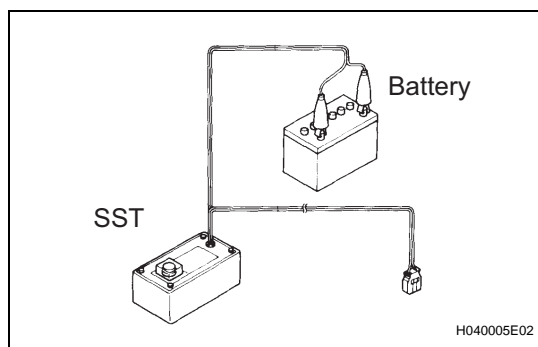
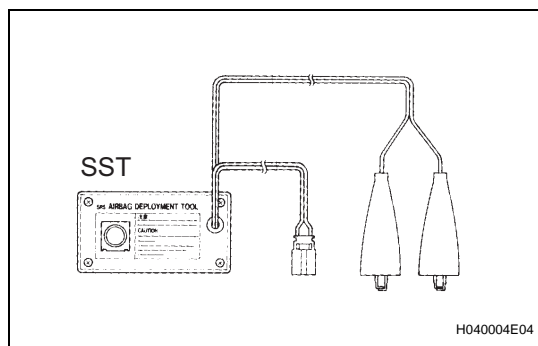
## DISPOSAL

### HINT:

When scrapping a vehicle equipped with an SRS or disposing of a steering pad, always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

### CAUTION:

- Never dispose of a steering pad which has an undeployed airbag.
- The airbag produces a loud exploding sound when it deploys, so perform the operation outdoors and where it will not create a nuisance to nearby residents.
- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- When deploying an airbag, perform the operation at least 10 m (33 ft) away from the steering pad.
- The steering pad is very hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a steering pad with a deployed airbag.
- Do not apply water, etc. to a steering pad with the deployed airbag.
- Always wash your hands with water after completing the operation.



### 1. DISPOSE OF STEERING PAD ASSEMBLY (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

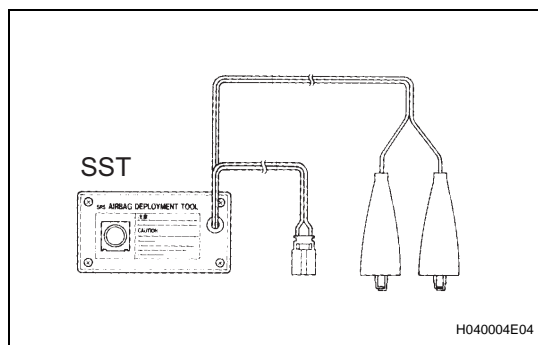
#### HINT:

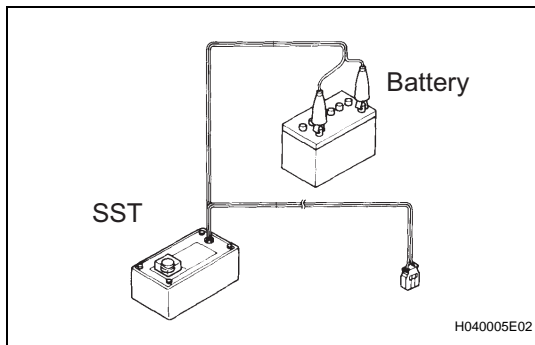
Have a battery ready as the power source to deploy the airbag.

- (a) Check the function of the SST.

### CAUTION:

When deploying the airbag, always use the specified SST: SRS Airbag Deployment Tool.  
SST 09082-00700

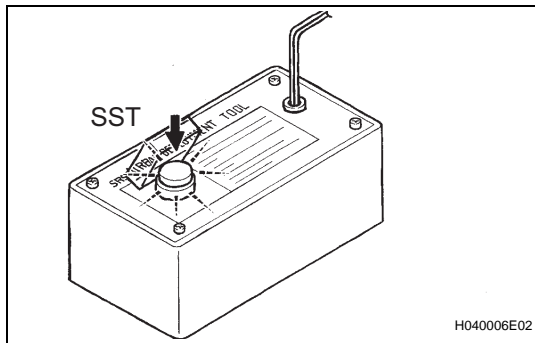




- (1) Connect the SST to the battery.  
Connect the red clip of the SST to the battery positive (+) terminal and the black clip of the SST to the battery negative (-) terminal.

HINT:

Do not connect the yellow connector of the SST which will be connected with the supplemental restraint system.

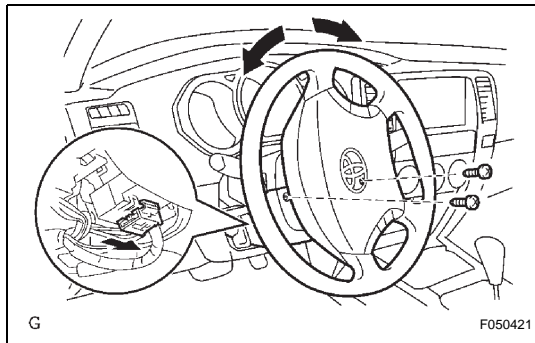


- (2) Check the SST function.  
Press the SST activation switch, and check that the LED of the SST activation switch comes on.

**CAUTION:**

If the LED lights up when the activation switch is not being pressed, SST malfunction is likely, so be sure not to use the SST.

- (3) Disconnect the SST from the battery.

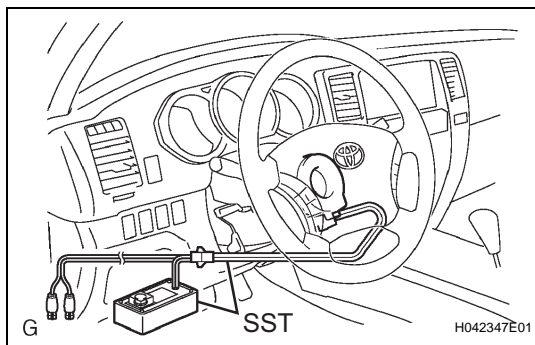


- (b) Install the SST.

**CAUTION:**

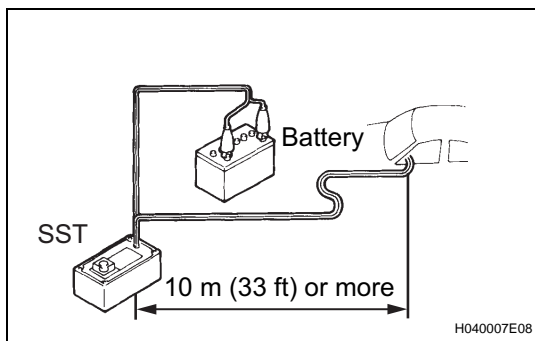
Check that there is no slack in the steering wheel and steering pad.

- (1) While turning the steering wheel right / left, remove the 2 screws and column lower cover.
- (2) Disconnect the airbag connector of the spiral cable.



- (3) Connect the connectors of the 2 SSTs to the airbag connector of the spiral cable.  
**SST 09082-00700, 09082-00780**

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- (4) Move the SST at least 10 m (33 ft) away from the front of the vehicle.
- (5) Close all the doors and windows of the vehicle.  
**NOTICE:**  
Take care not to damage the SST wire harness.
- (6) Connect the red clip of the SST to the battery positive (+) terminal and the black clip of the SST to the negative (-) terminal.

- (c) Deploy the airbag.
- (1) Confirm that no one is inside the vehicle or within 10 m (33 ft) area around the vehicle.
  - (2) Press the activation switch of the SST and deploy the airbag.

HINT:

The airbag deploys as the LED of the SST activation switch comes on.

- (d) Dispose of the steering pad.

**CAUTION:**

- The steering pad is very hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- When moving a vehicle for scrapping which has a steering pad with deployed airbag, use gloves and safety glasses.
- Use gloves and safety glasses when handling a steering pad assembly with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a steering pad with a deployed airbag.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the steering pad still installed.

## 2. DISPOSE OF STEERING PAD (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

**NOTICE:**

- When disposing of the steering pad only, never use the customers vehicle to deploy the airbag.
- Be sure to follow the procedure given below when deploying the airbag.

HINT:

Have a battery ready as the power source to deploy the airbag.

- (a) Remove the steering pad (See page [RS-557](#)).

**CAUTION:**

**When storing the steering pad, keep the upper surface of the pad facing upward.**

- (b) Using a service-purpose wire harness for the vehicle, tie the steering pad assembly to the disc wheel.

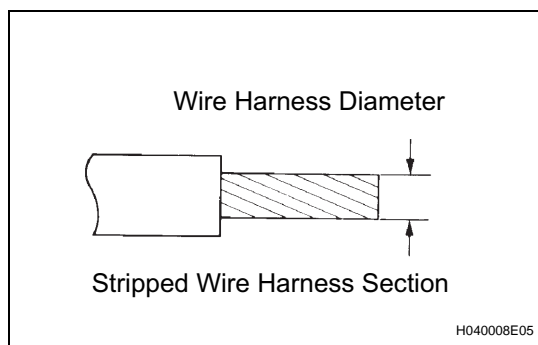
**Wire harness:**

**Stripped wire harness section 1.25 mm<sup>2</sup> or more (0.0019 in<sup>2</sup>. or more)**

**CAUTION:**

If a wire harness which is too thin or anything else is used to tie down the steering pad, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Always use a wire harness for vehicle use which is at least 1.25 mm<sup>2</sup> (0.0019 in<sup>2</sup>).

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**HINT:**

To calculate the square of the stripped wire harness section:

**Square:**

$$3.14 \times (\text{Diameter})^2 \text{ divided by } 4$$

- (1) Install the 2 bolts with washers in the 2 bolt holes in the steering pad.

**Bolt:**

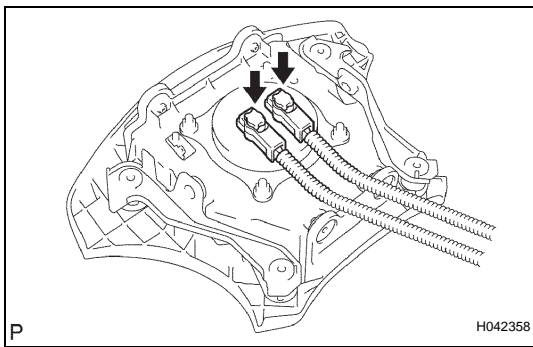
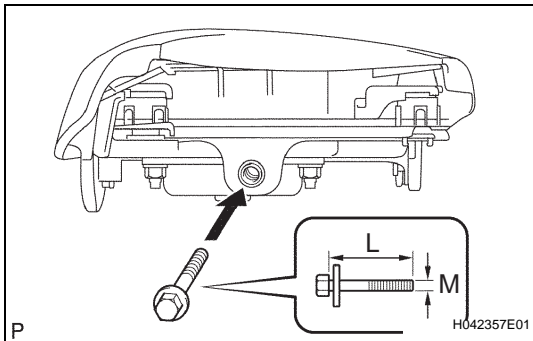
**L:** 35.0 mm (1.387 in.)

**M:** 6.0 mm (0.236 in.)

**Pitch:** 1.0 mm (0.039 in.)

**NOTICE:**

- Tighten the bolts by hand until the bolts become difficult to turn.
- Do not tighten the bolts excessively.



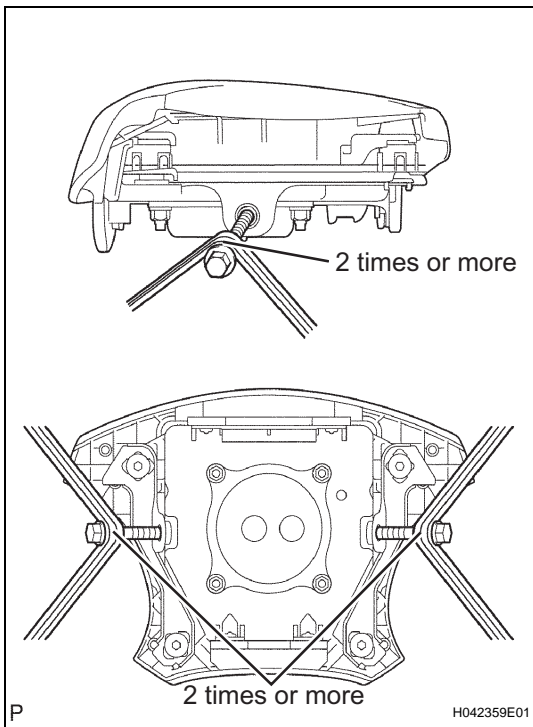
- (2) After connecting the following to SST, connect them to the steering pad.

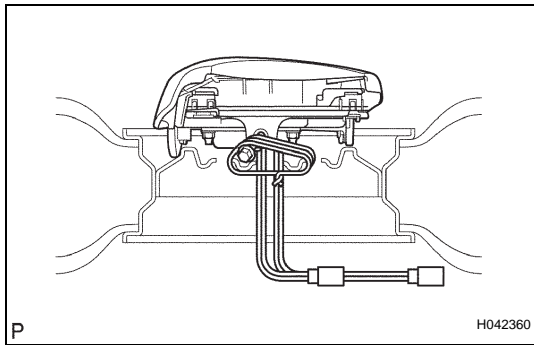
**SST** 09082-00802 (09082-10801, 09082-30801)

- (3) Using 3 wire harnesses, wind each one at least 2 times around the bolts installed on the left and right sides of the steering pad.

**CAUTION:**

- Tightly wind the wire harnesses around the bolts so that there is no slack.
- If there is slack in the wire harnesses, the steering pad may come loose due to the shock when the airbag is deployed. This is highly dangerous.





- (4) Face the upper surface of the steering pad upward. Separately tie the left and right sides of the steering pad to the disc wheel through the hub nut holes. Position the steering pad connector so that it hangs downward through a hub hole in the disc wheel.

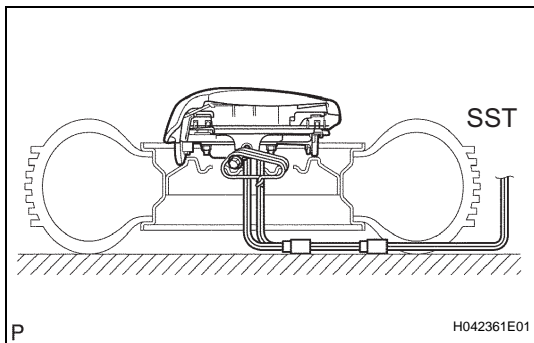
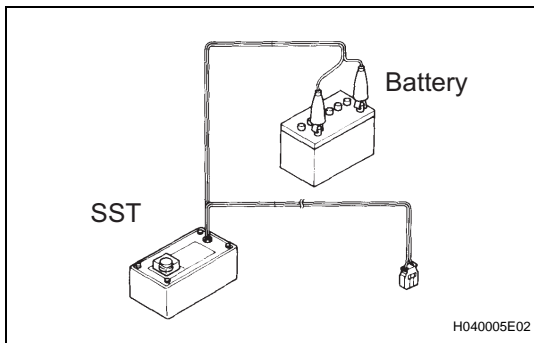
**CAUTION:**

- Make sure that the wire harness is tight. It is very dangerous when slack in the wire harness results in the steering pad coming free through the shock from the airbag deploying.
- Always tie down the steering pad with the pad side facing upward. It is very dangerous if the steering pad is tied down with the metal surface facing upward as the wire harness will be cut by the shock caused by the airbag deployment and the steering pad will be thrown into the air.

**NOTICE:**

The disc wheel will be marked by airbag deployment, so when disposing of the airbag use a redundant disc wheel.

- (c) Check the function of the SST (See step 1-(a)).



- (d) Install the SST.

**CAUTION:**

Place the disc wheel on level ground.

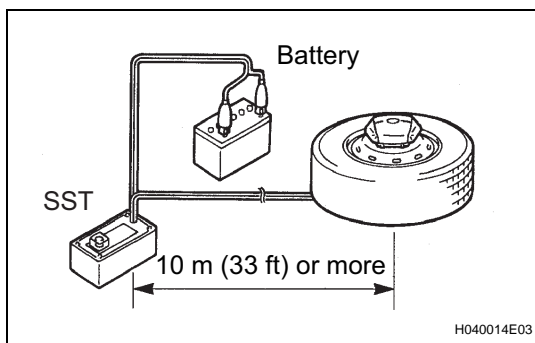
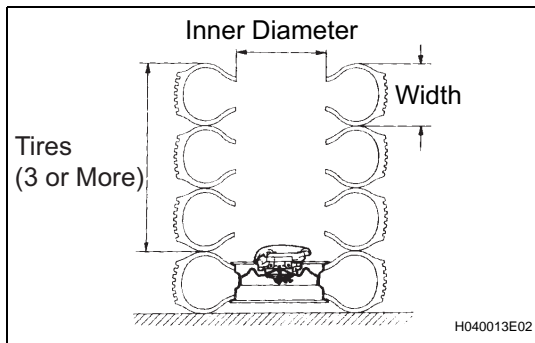
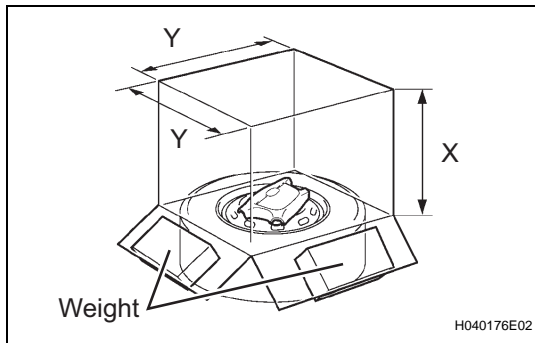
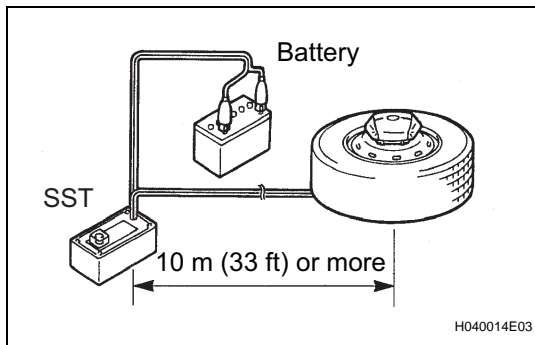
- (1) Connect the connector of the SST.

**SST 09082-00700**

**NOTICE:**

To avoid damaging the SST connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST wire harness inside the disc wheel.





- (2) Move the SST to at least 10 m (33 ft) away from the steering pad tied down on the disc wheel.

- (e) Cover the steering pad with a cardboard box or tires.

**Covering method using a cardboard box:**

Cover the steering pad with the cardboard box and weigh the cardboard box down in 4 places with at least 190 N (20 kg, 44 lb).

**Size of cardboard box:**

Must exceed the following dimensions:

X = 460 mm (18.11 in.)

Y = 650 mm (25.59 in.)

**NOTICE:**

- When dimension Y of the cardboard box exceeds the diameter of the disc wheel and tire to which the steering pad is tied, X should be the following size.

X = 460 mm (18.11 in.) + width of tire

- If a cardboard box smaller than the specified size is used, the cardboard box will be broken by the shock of the airbag deployment.

**Covering method using tires:**

Place at least 3 tires with no disc wheels on top of the tire and disc wheel to which the steering pad assembly is tied.

**Tire size:**

Must exceed the following dimensions

Width: 185 mm (7.28 in.)

Inner diameter: 360 mm (14.17 in.)

**CAUTION:**

Do not use tires with disc wheels.

**NOTICE:**

The tires may be marked by the airbag deployment, so use redundant tires.

- (f) Deploy the airbag.
  - (1) Connect the red clip of the SST to the battery positive (+) terminal and the black clip of the SST to the battery negative (-) terminal.
  - (2) Check that no one is within 10 m (33 ft) area around the disc wheel which the steering pad is tied to.





- (3) Press the activation switch of the SST and deploy the airbag.

HINT:

The airbag deploys as the LED of the SST activation switch comes on.

- (g) Dispose of the steering pad.

**CAUTION:**

- **The steering pad is very hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.**
  - **Use gloves and safety glasses when handling a steering pad with a deployed airbag.**
  - **Do not apply water, etc. to a steering pad with the deployed airbag.**
  - **Always wash your hands with water after completing the operation.**
- (1) Remove the steering pad from the disc wheel.
- (2) Place the steering pad in a plastic bag, tie the end tightly and dispose of it in the same way as other general parts disposal.