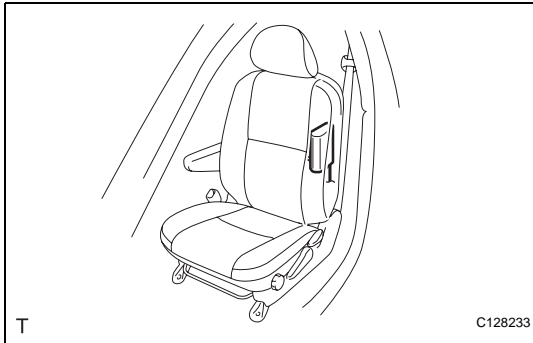


FRONT SEAT SIDE AIRBAG ASSEMBLY

ON-VEHICLE INSPECTION

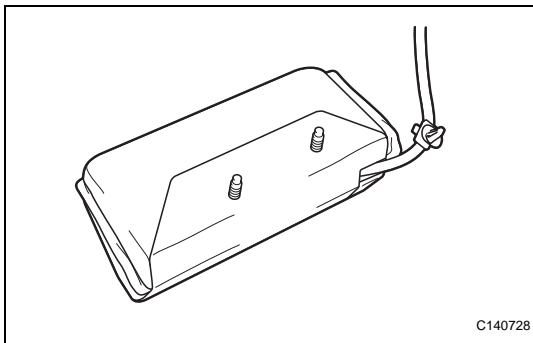
1. INSPECT FRONT SEAT SIDE AIRBAG ASSEMBLY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (See page [RS-36](#)).
- (b) With the front seat side airbag assembly installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front seatback assembly with a new one:
Cuts, minute cracks or marked discoloration on the front seatback assembly around the front seat side airbag assembly.



2. INSPECT FRONT SEAT SIDE AIRBAG ASSEMBLY (VEHICLE INVOLVED IN COLLISION AND AIRBAG HAS NOT DEPLOYED)

- (a) Perform a diagnostic system check (See page [RS-36](#)).
- (b) With the front seat side airbag assembly removed from the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front seat side airbag assembly with a new one:
 - Cuts, minute cracks or marked discoloration on the front seat side airbag assembly.
 - Cracks or other damage to the wire harness or connector.



CAUTION:

For front seat side airbag removal and installation procedures, see page [SE-7](#) and See page [SE-15](#). Be sure to follow the correct procedure.

DISPOSAL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures described below are for the LH side.
- When scrapping a vehicle equipped with the SRS or disposing of the front seat side airbag assembly, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- **Never dispose of a front seat side airbag assembly that has an undeployed airbag.**
- **The airbag produces an exploding sound when it is deployed, 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 the airbag, perform the operation at least 10 m (33 ft) away from the airbag assembly.**
- **The front seat side airbag assembly becomes extremely 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 front seat side airbag assembly with a deployed airbag.**
- **Do not apply water, etc. to a front seat side airbag assembly with a deployed airbag.**
- **Always wash your hands with water after completing the operation.**

1. DISPOSE OF FRONT SEAT SIDE AIRBAG ASSEMBLY (WHEN INSTALLED IN VEHICLE)

HINT:

Prepare a battery as the power source to deploy the airbag.

- Check the function of SST (See page [RS-347](#)).
- Precaution (See page [RS-1](#)).
- Disconnect the cable from the negative battery terminal.

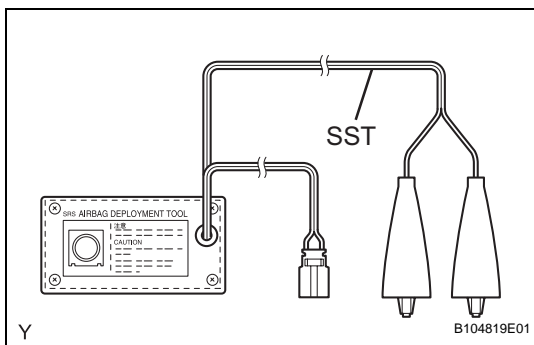
CAUTION:

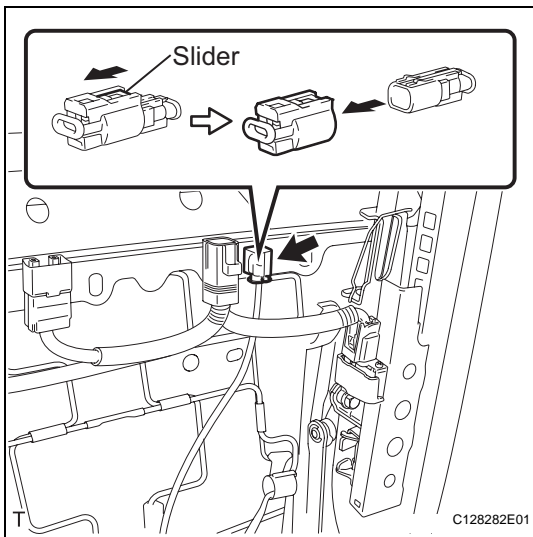
Wait for at least 90 seconds after disconnecting the cable to prevent the airbag from working.

- Remove the 4 bolts from the front seat assembly (See page [SE-5](#)).

HINT:

Keep the front seat assembly in the cabin.



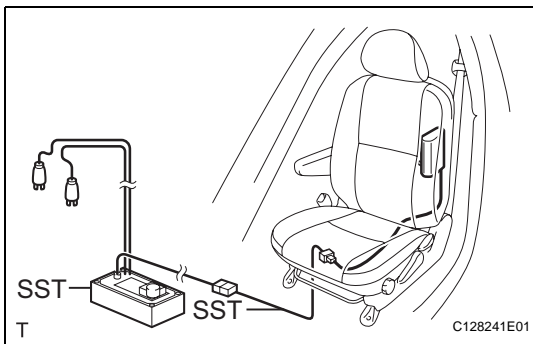


(e) Install SST.

- (1) Disconnect the connector (yellow colored one) from the front seat side airbag assembly.

NOTICE:

When handling the airbag connector, take care not to damage the airbag wire harness.



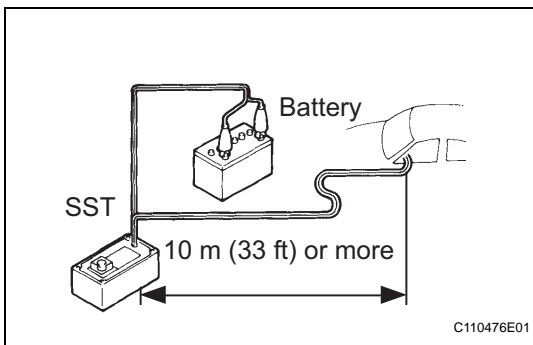
- (2) Connect the SST connector to the front seat side airbag assembly connector.

SST 09082-00700, 09082-00750

NOTICE:

To avoid damaging the SST connector and wire harness, do not lock the secondary lock of the twin lock.

- (3) Install the front seat assembly with the 4 bolts (See page [SE-23](#)).



- (4) Move SST at least 10 m (33 ft) away from the vehicle side window.
- (5) Securing enough clearance for the SST wire harness in the side window, close all 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 positive (+) battery terminal and the black clip of the SST to the negative (-) battery terminal.

(f) Deploy the airbag.

- (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
- (2) Press the SST activation switch and deploy the airbag.

CAUTION:

- **When deploying the airbag, make sure that no one is near the vehicle.**
- **The front seat side airbag assembly becomes extremely 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 front seat side airbag assembly with a deployed airbag.**

- Do not apply water, etc. to a front seat side airbag assembly with a deployed airbag.
- Always wash your hands with water after completing the operation.

HINT:

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

2. DISPOSE OF FRONT SEAT SIDE AIRBAG ASSEMBLY (WHEN NOT INSTALLED IN VEHICLE) NOTICE:

- When disposing of the front seat side airbag assembly, never use the customer's vehicle to deploy the airbag.
- Be sure to follow the procedure detailed below when deploying the airbag.

HINT:

Prepare a battery as the power source to deploy the airbag.

- Check the function of SST (See page [RS-347](#)).
- Remove the front seat side airbag assembly.
 - Remove the front seat assembly (See page [SE-7](#)).
 - Remove the 2 nuts and the front seat side airbag assembly from the seatback assembly.

CAUTION:

- When removing the front seat side airbag assembly, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.
- When storing the front seat side airbag assembly, keep the airbag deployment side facing upward.

- Using a service-purpose wire harness for the vehicle, tie down the front seat side airbag assembly to the tire.

Stripped wire harness section:

Area	Measurement
A	1.25 mm ² or more (0.0019 in. ² or more)

HINT:

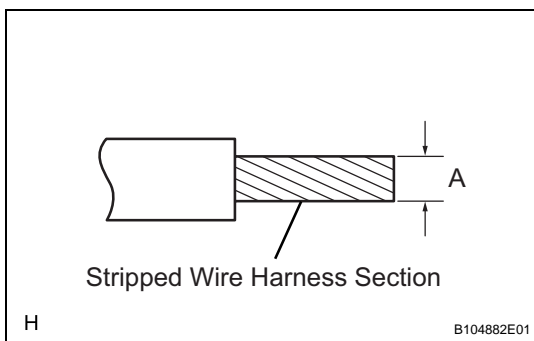
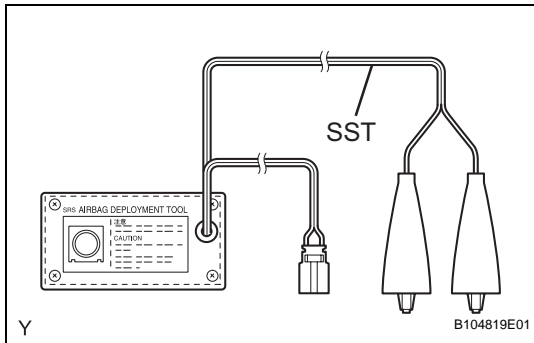
To calculate the area of the stripped wire harness section:

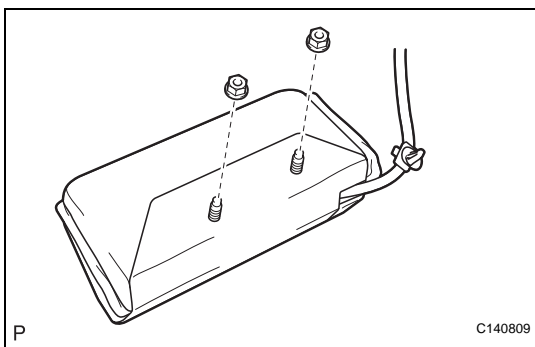
$$\text{Area} = 3.14 \times (\text{Diameter})^2 \text{ divided by } 4$$

CAUTION:

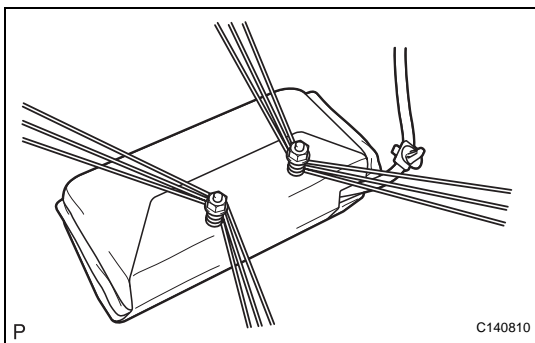
If the wire harness is too thin or any other object is used to tie down the front seat side airbag assembly, it may be snapped by the shock when the airbag is deployed. Always use a wire harness for vehicle use with a cross section of at least 1.25 mm² (0.0019 in.²).

RS

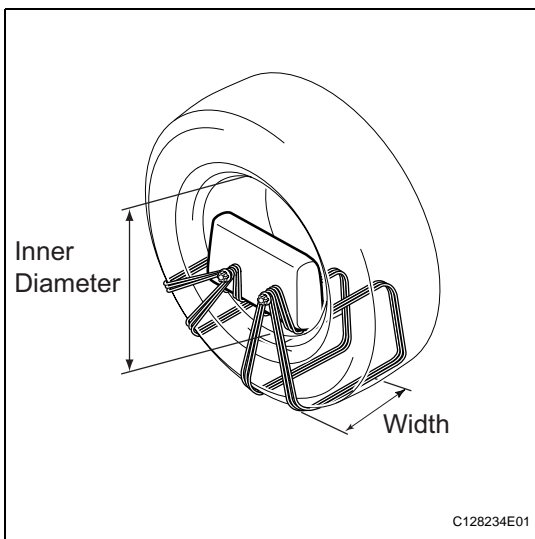




- (1) Install the front seat side airbag assembly with the 2 nuts.



- (2) Wind the wire harnesses around the stud bolts of the front seat side airbag assembly as shown in the illustration.



- (3) Position the front seat side airbag assembly inside the tire as shown in the illustration.

Tire size:

Must exceed the following dimensions.

Area	Measurement
Width	185 mm (7.28 in.)
Inner diameter	360 mm (14.17 in.)

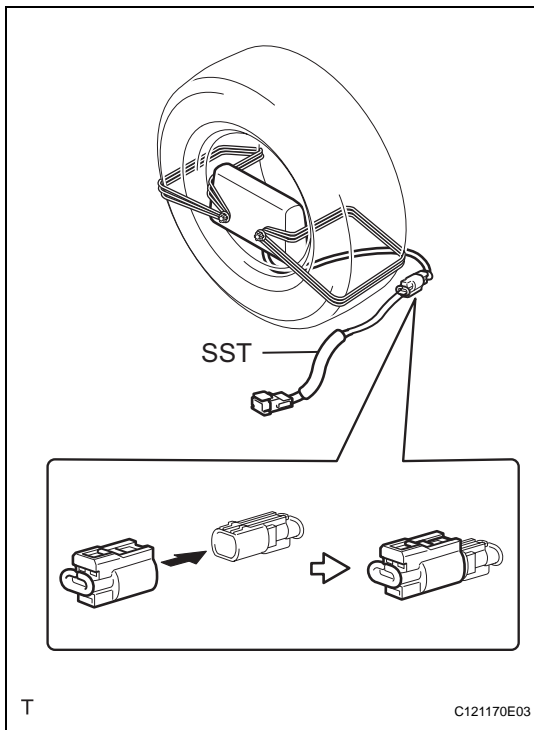
CAUTION:

- Make sure that the wire harness is tight. If there is slack in the wire harnesses, the front seat side airbag assembly may become loose due to the shock when the airbag is deployed.
- Always tie down the front seat side airbag assembly with the airbag deployment direction facing inside the tire.

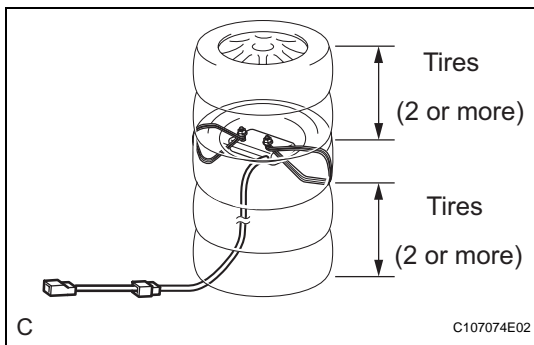
NOTICE:

The tire will be damaged by airbag deployment, so use waste tires.





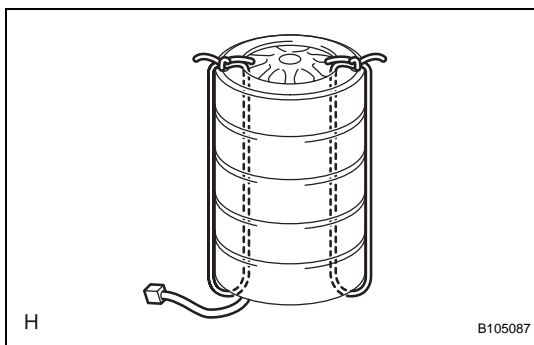
- (d) Install SST.
- (1) Connect the SST connector to the front seat side airbag assembly connector.
SST 09082-00750



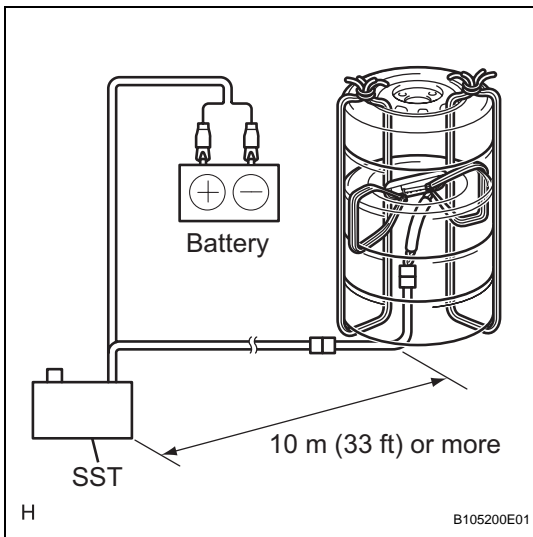
- (e) Place the tires.
- (1) Place at least 2 tires under the tire to which the front seat side airbag assembly is tied.
 - (2) Place at least 2 tires over the tire to which the front seat side airbag assembly is tied. The top tire should have a disc wheel installed.

NOTICE:

Do not place the SST connector under the tire because it could be damaged.



- (3) Tie the tires together with 2 wire harnesses.
CAUTION:
Make sure that the wire harnesses are tight. Looseness in the wire harnesses results in the tires coming free due to the shock when the airbag is deployed.



- (f) Install SST.
- (1) Connect the SST connector.
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 tire.
 - (2) Move SST at least 10 m (33 ft) away from the airbag tied down to the tires.
- (g) Deploy the airbag.
- (1) Connect the red clip of the SST to the positive (+) battery terminal and the black clip of SST to the negative (-) battery terminal.
 - (2) Check that no one is within a 10 m (33 ft) radius of the tire to which the front seat side airbag assembly is tied.
 - (3) Press the SST activation switch and deploy the airbag.
CAUTION:
When deploying the airbag, make sure that no one is near the tires.
HINT:
The airbag is deployed as the LED of the SST activation switch comes on.



- (h) Dispose of the front seat side airbag assembly.
- CAUTION:**
- The front seat side airbag assembly becomes extremely 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 front seat side airbag assembly with a deployed airbag.
 - Do not apply water, etc. to a front seat side airbag assembly with a deployed airbag.
 - Always wash your hands with water after completing the operation.
- (1) Remove the front seat side airbag assembly from the tire.
 - (2) Place the front seat side airbag assembly in a plastic bag, tie it tightly and dispose of it in the same way as other general parts.