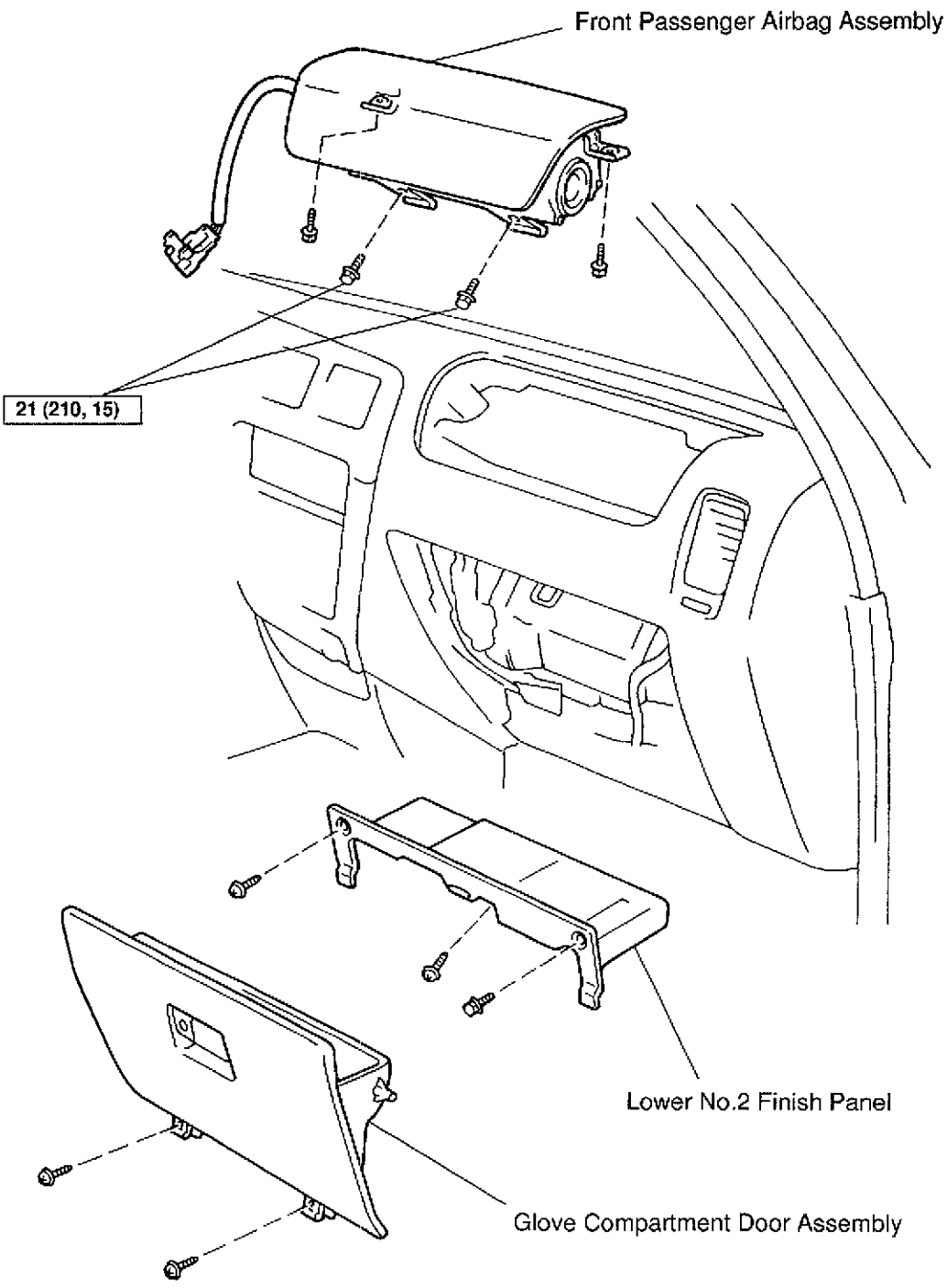
# FRONT PASSENGER AIRBAG ASSEMBLY

## COMPONENTS

R9057-01




N·m (kgf·cm, ft·lbf) : Specified torque

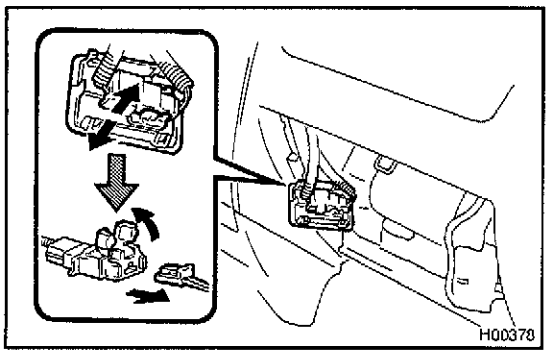
H02221

RS059-01

# REMOVAL

**NOTICE:**

- **If the wiring connector of the SRS is disconnected and the ignition switch is at ON or ACC position, DTCs will be recorded.**
- **Never use the airbag parts from another vehicle. When replacing parts, replace with new parts.**




**1. DISCONNECT AIRBAG CONNECTOR**

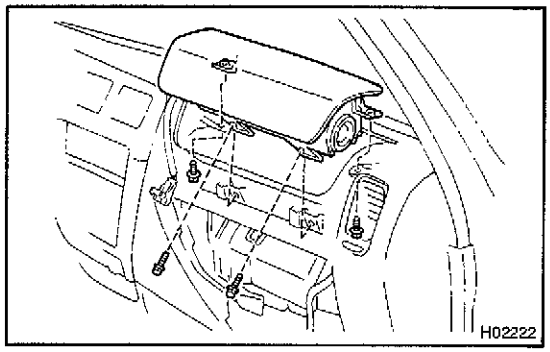
(a) Remove the glove compartment door assembly.

(b) Pull down the No.1 panel under cover with the front passenger airbag connector.

(c) Disconnect the front passenger airbag connector.

**NOTICE:**

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



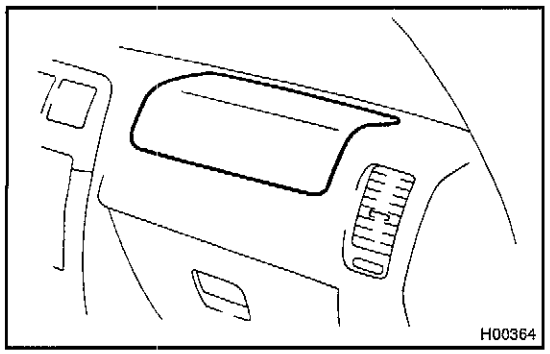

**2. REMOVE FRONT PASSENGER AIRBAG ASSEMBLY**

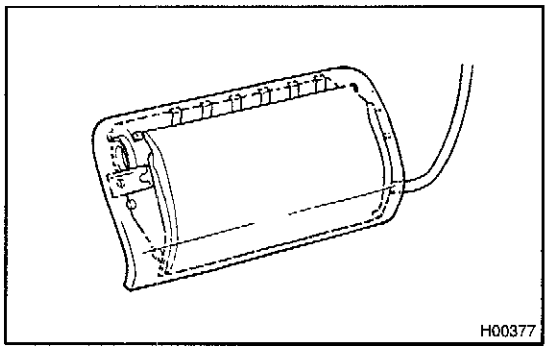
Remove the 4 bolts and front passenger airbag assembly.

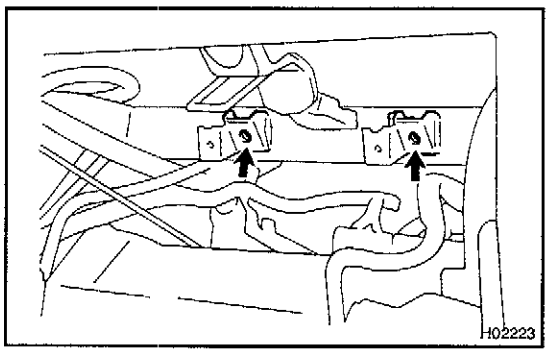
**CAUTION:**

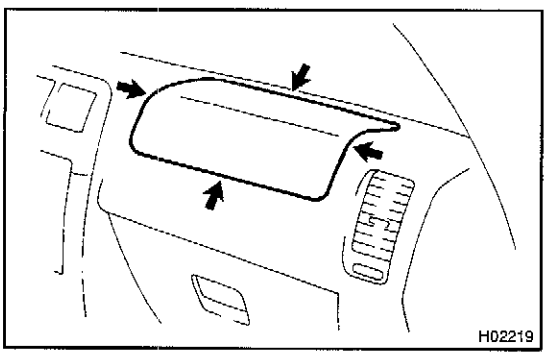
- **Do not store the front passenger airbag assembly with the airbag deployment side facing down.**
- **Never disassemble the front passenger airbag assembly.**

RS02B-02




# INSPECTION

## 1. VEHICLE NOT INVOLVED IN A COLLISION

(a) Do a diagnostic system check.
(See page DI–109)

(b) Do a visual check which includes the following items with the front passenger airbag assembly installed in the vehicle.
Check for cuts, minute cracks or marked discoloration of the front passenger airbag door.

## 2. VEHICLE INVOLVED IN A COLLISION AND AIRBAG IS NOT DEPLOYED

(a) Do a diagnostic system check.
(See page DI–109)

(b) Do a visual check which includes the following items with the front passenger airbag assembly removed from the vehicle.
- Check for cuts and cracks in, or marked discoloration of the front passenger airbag door.
- Check for cuts and cracks in wire harnesses, and for chipping in connectors.
- Check for deformation of the instrument panel and instrument panel reinforcement.

HINT:
- If the instrument panel or instrument panel reinforcement is deformed, never repair it. Always replace it with a new one.
- There should be no interference between the instrument panel and front passenger airbag door, or the glove compartment door and front passenger airbag door. The clearance should be uniform all the way around when the new airbag assembly is installed on the instrument panel.

**CAUTION:**
**For removal and installation of the front passenger airbag assembly, see page RS–22 and RS–32 and be sure to follow the correct procedure.**

### 3. VEHICLE INVOLVED IN A COLLISION AND AIRBAG IS DEPLOYED

(a) Do a diagnostic system check.
(See page DI–109)

(b) Do a visual check which includes the following items with the airbag assembly removed from the vehicle.
- Check for deformation of the instrument panel, instrument panel reinforcement and glove compartment door.
- Check for damage to the connector and wire harness.

HINT:
- If the instrument panel or instrument panel reinforcement is deformed, never repair it. Always replace it with a new one.
- There should be no interference between the instrument panel and front passenger airbag door, or the glove compartment and front passenger airbag door. The clearance should be uniform all the way around when the new airbag assembly is installed on the instrument panel.

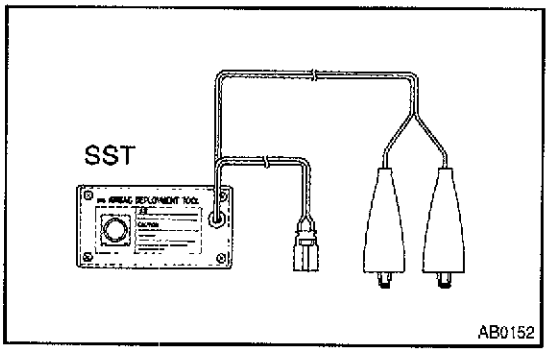
RS03B-01

# DISPOSAL

HINT:

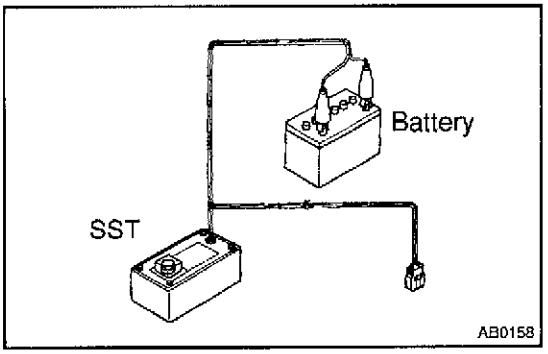
When a scrapping vehicle equipped with an SRS or disposing of a front passenger airbag assembly, always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of the DISTRIBUTOR.

When disposing of a front passenger airbag assembly with an airbag deployed in a collision, follow the same procedure given in step 1–(e) in "DISPOSAL".




**CAUTION:**

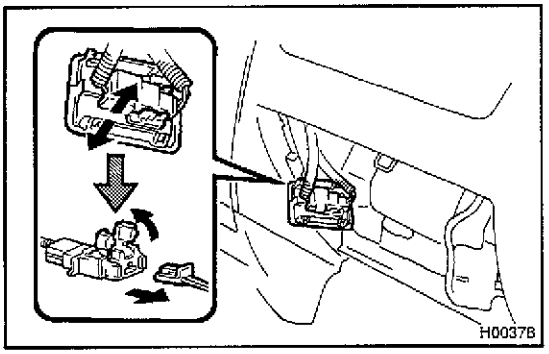
- **Never dispose of a front passenger airbag assembly which has an undeployed airbag.**
- **The airbag produces a sizeable exploding sound when it deploys, so perform the operation out–of–doors and where it will not create a nuisance to nearby residents.**
- **When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool) Perform the operation in a place away from electrical noise.**
  SST 09082–00700
- **When deploying an airbag, perform the operation from at least 10 m (33 ft) away from the front passenger airbag assembly.**
- **The front passenger airbag assembly is very hot when the airbag is deployed, so leave it alone for at least 30 minutes after deployment.**
- **Use gloves and safety glasses when handling a front passenger airbag assembly with deployed airbag.**
- **Always wash your hands with water after completing the operation.**
- **Do not apply water, etc. to a front passenger airbag assembly with deployed airbag.**




## 1. AIRBAG DEPLOYMENT WHEN SCRAPPING VEHICLE

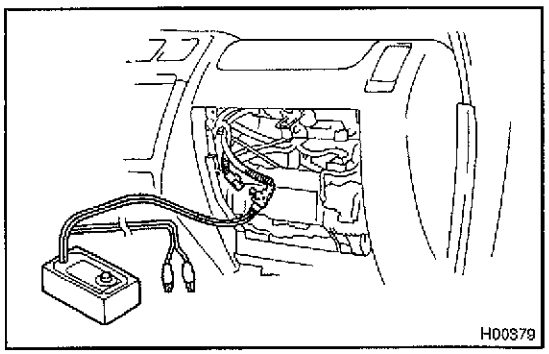
HINT:
Have a battery ready as the power source to deploy the airbag.

(a) Confirm functioning of the SST. (See page RS–11)
SST 09082–00700



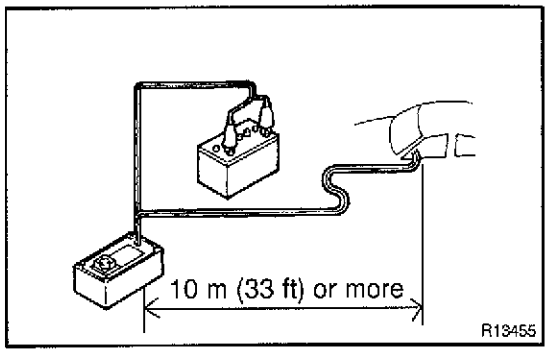

(b) Disconnect the airbag connector.
(1) Remove the glove compartment door.
(2) Disconnect the airbag connector.

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




(c) Install the SST.
(1) Connect the SST connector to the front passenger airbag assembly connector.
SST 09082–00700

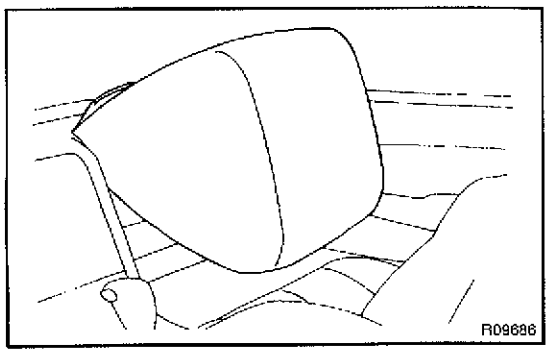
**NOTICE:**
**To avoid damaging the SST connector and wire harness, do not lock the secondary lock of the twin lock.**




(2) Move the SST to at least 10 m (33 ft) away from the front of the vehicle.
(3) Close all the doors and windows of the vehicle.

**NOTICE:**
**Take care not to damage the SST wire harness.**

(4) Connect the SST red clip to the battery positive (+) terminal and the black clip to the negative (–) terminal.




(d) 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 SST activation switch and deploy the airbag.

HINT:
The airbag deploys simultaneously as the LED of the SST activation switch lights up.

(e) Dispose of the front passenger airbag assembly.

**CAUTION:**

- **The front passenger airbag assembly is very hot when the airbag is deployed, so leave it alone for at least 30 minutes after deployment.**
- **Use gloves and safety glasses when handling a front passenger airbag assembly with deployed airbag.**
- **Always wash your hands with water after completing the operation.**
- **Do not apply water, etc. to a front passenger airbag assembly with deployed airbag.**
  (1) When scrapping a vehicle, deploy the airbag and scrap the vehicle with the front passenger airbag assembly still installed.
  (2) When moving a vehicle for scrapping which has a front passenger airbag assembly with deployed airbag, use gloves and safety glasses.

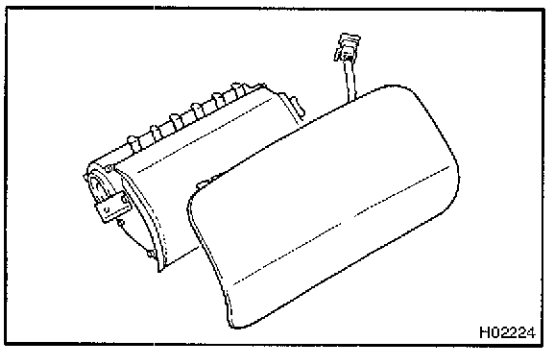
**2. DEPLOYMENT WHEN DISPOSING OF FRONT PASSENGER AIRBAG ASSEMBLY ONLY**

**NOTICE:**

- **When disposing of the front passenger airbag assembly 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.

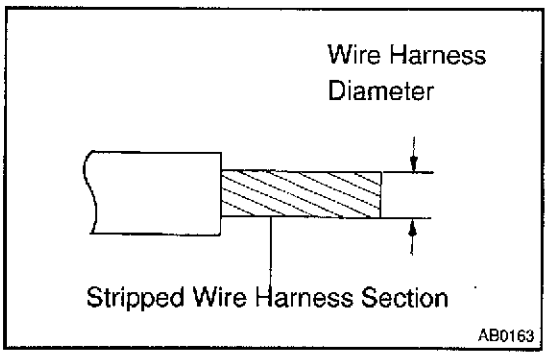



(a) Remove the front passenger airbag assembly.
(See page RS–22)

(b) Remove the airbag door.

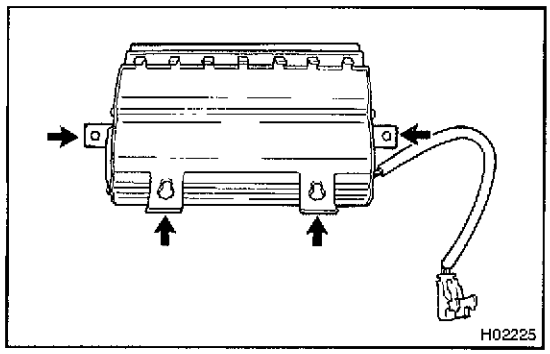
**CAUTION:**

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



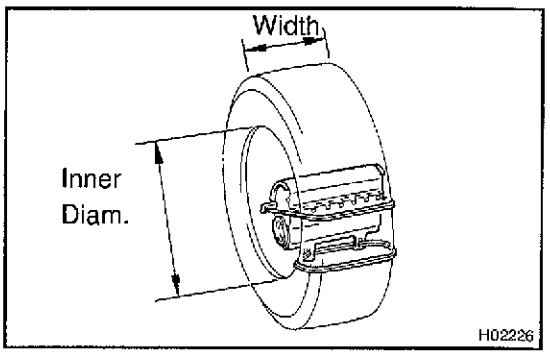

(c) Fix the front passenger airbag assembly to a tire.
Using a service–purpose wire harness for the vehicle, tie down the front passenger airbag assembly to the tire.
**Wire harness: Stripped wire harness section 1.25 mm$^2$ or more (0.0019 in.$^2$ or more)**

HINT:
To calculate the square of the stripped wire harness section:
**Square = 3.14 X (Diameter)$^2$ divided by 4**




**CAUTION:**
**If the front passenger airbag assembly is tied down with too thin wire harness, it may snap. This is highly dangerous. Always use a wire harness for vehicle use which is at least 1.25 mm$^2$ (0.0019 in.$^2$).**

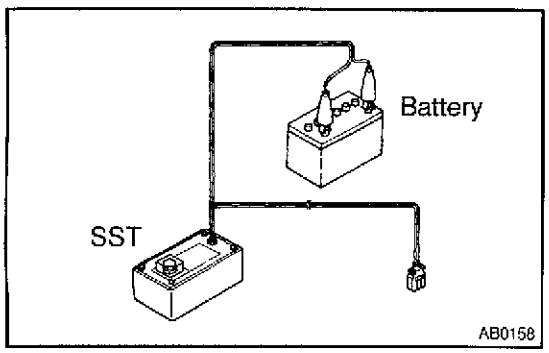
(1) Wind the wire harness around the tire, passing the wire harness through the installation holes indicated by arrows in the illustration.



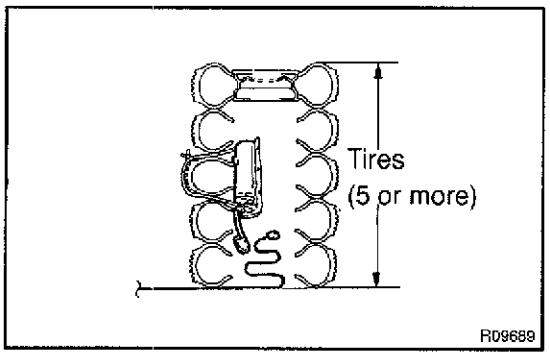

(2) Position the front passenger airbag assembly inside the tire with the airbag deployment side facing inside.
**Tire size: Must exceed the following dimensions–**
**Width: 185 mm (7.28 in.)**
**Inner diameter: 360 mm (14.17 in.)**

**CAUTION:**
- **Make sure that the wire harness is tight. It is very dangerous if looseness in the wire harness results in the front passenger airbag assembly coming free due to the shock of the airbag deploying.**
- **Always tie down the front passenger airbag assembly with the airbag door facing inside.**

**NOTICE:**
**The tire will be marked by the airbag deployment, so use a redundant tire.**



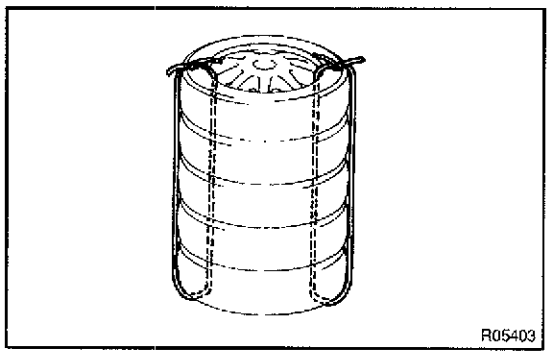

(d) Check functioning of the SST.
SST 09082–00700

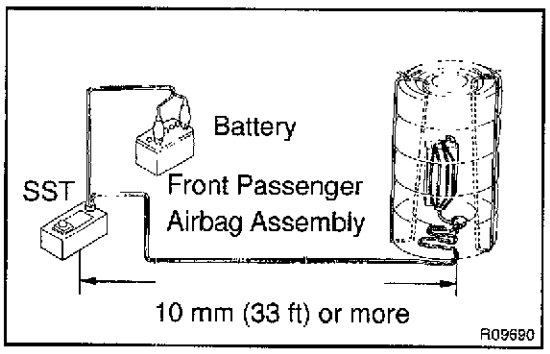



(e) Place tires.
(1) Place at least 2 tires under the tire to which the front passenger airbag assembly is tied.
(2) Place at least 2 tires over the tire to which the front passenger airbag assembly is tied. The top tire should have the wheel installed.
(3) Tie the tires together with 2 wire harnesses.

**CAUTION:**
**Make sure that the wire harnesses are tight. It is very dangerous if loose wire harnesses result in the tires coming free due to the shock of the airbag deploying.**

HINT:
Place the SST connector and wire harness inside tires. Provide at least 1 m (3 ft) of slack for the wire harness.




(f) Install the SST.
Connect the SST connector to the front passenger airbag assembly connector.
SST 09082–00700

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

(g) Deploy the airbag.
(1) Connect the SST red clip to the battery positive (+) terminal and the black clip to the battery negative (–) terminal.
(2) Confirm that no one is within 10 m (33 ft) area around the tire which the front passenger airbag assembly is tied to.
(3) Press the SST activation switch and deploy the airbag.

HINT:
The airbag deploys simultaneously as the LED of the SST activation switch lights up.




(h) Dispose of the front passenger airbag assembly.

**CAUTION:**
- **The front passenger airbag assembly is very hot when the airbag is deployed, so leave it alone for at least 30 minutes after deployment.**
- **Use gloves and safety glasses when handling a front passenger airbag assembly with deployed airbag.**
- **Always wash your hands with water after completing the operation.**

- **Do not apply water, etc. to a front passenger airbag assembly with deployed airbag.**
  (1) Remove the front passenger airbag assembly from the tire.
  (2) Place the front passenger airbag assembly in a vinyl bag, tie the end tightly and dispose of it in the same way as other general parts.

RS02O-02

# REPLACEMENT

## REPLACEMENT REQUIREMENTS

In the following case, replace the front passenger airbag assembly, instrument panel, instrument panel reinforcement and glove compartment door.

- If the airbag has been deployed.
- If the front passenger airbag assembly has been found to be faulty in troubleshooting.
- If the front passenger airbag assembly, instrument panel, instrument panel reinforcement or glove compartment door has been found to be faulty during the check in items 1–(b) or 2–(b).
- If the front passenger airbag assembly has been dropped.

**CAUTION:**

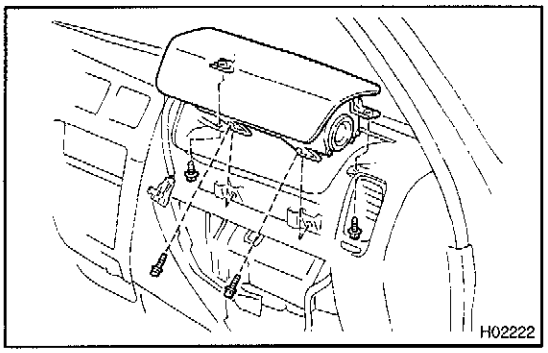
**For removal and installation of the front passenger airbag assembly, see page RS–22 and RS–32, and be sure to follow the correct procedure.**

RS0SA-01

# INSTALLATION

**NOTICE:**

**Never use airbag parts from another vehicle. When replacing parts, replace them with new parts.**




**1. INSTALL FRONT PASSENGER AIRBAG ASSEMBLY**

(a) Install the front passenger airbag assembly with the 4 bolts.

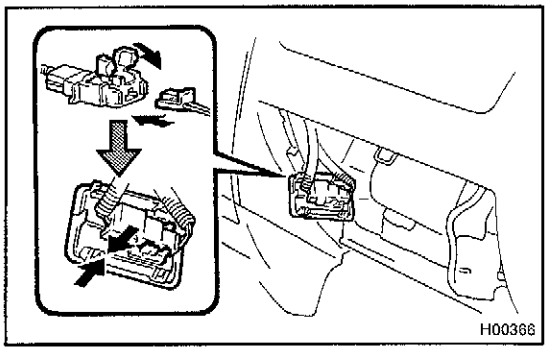
**Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)**

**CAUTION:**

- **Make sure that no foreign objects are trapped between the airbag bag, and within the module.**
- **Do not damage the strap when installing the module.**

**NOTICE:**

**If the front passenger airbag assembly has been dropped, or there are cracks, dents or other defects in the case or connector, replace the front passenger airbag assembly with a new one.**




**2. CONNECT AIRBAG CONNECTOR**

(a) Connect the front passenger airbag connector.

(b) Pull up the No.1 panel under cover with the front passenger airbag connector.

(c) Install the glove compartment door assembly.