

SRS AIRBAG

PRECAUTION

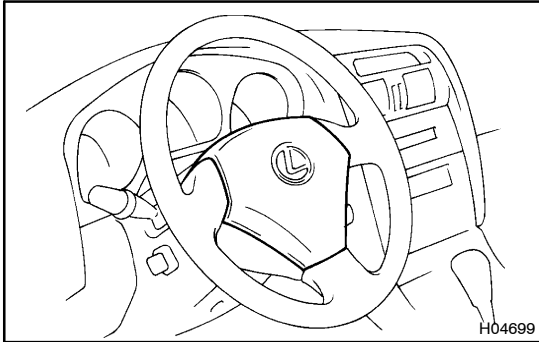
RS0J0-09

CAUTION:

- The LEXUS GS 430/300 is equipped with SRS, which comprises a driver airbag, front passenger airbag, side airbag and curtain shield airbag. Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a serious accident. Further, if a mistake is made in servicing the SRS, it is possible that the SRS may fail to operate when required. Before performing servicing (including removal or installation of parts, inspection or replacement), be sure to read the following items carefully, then follow the correct procedures described in the repair manual.
- 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.
(The SRS is equipped with a back-up power source so that if work is started within 90 seconds from disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.)
- Do not expose the steering wheel pad, front passenger airbag assembly, side airbag assembly, curtain shield airbag assembly, airbag sensor assembly, front airbag sensor or side and curtain shield airbag sensor assembly directly to hot air or flames.

NOTICE:

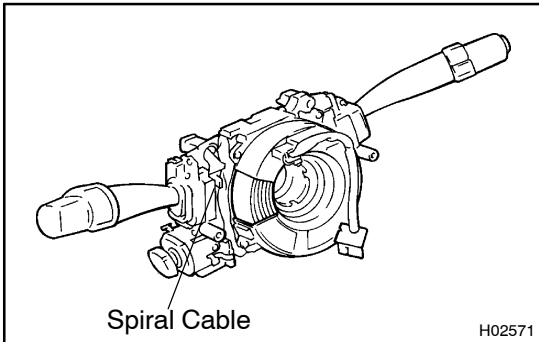
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, side airbag assembly, airbag sensor assembly, front airbag sensor curtain shield airbag assembly, and side and curtain shield airbag sensor assembly should be inspected (See Pub. No. RM588E on page RS-15, RS-29, RS-42, RS-54, RS-60. RS-15 and RS-26 on this manual).
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, side airbag assembly, curtain shield airbag assembly, airbag sensor assembly, front airbag sensor or side and curtain shield airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, side airbag assembly, curtain shield airbag assembly, airbag sensor assembly, front airbag sensor or side and curtain shield airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace it with new one.
- Use a volt/ohmmeter with high impedance (10 k Ω /V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- ☐ After work on the SRS is completed, perform the SRS warning light check (See page DI-369).
- When the negative (-) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back-up power supply from outside the vehicle.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section.



OPERATION

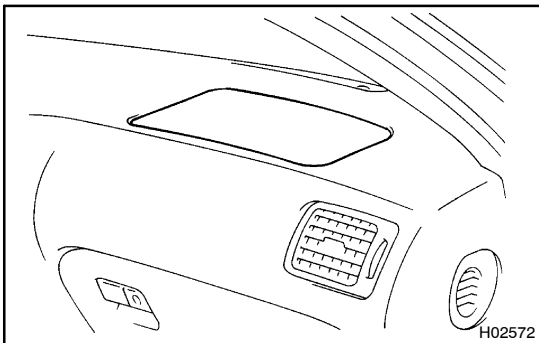
1. STEERING WHEEL PAD (with AIRBAG)

The inflator and bag of the SRS are stored in the steering wheel pad and cannot be disassembled. The inflator contains a squib, igniter charge, gas generator, etc., and inflates the bag when instructed by the airbag sensor assembly.



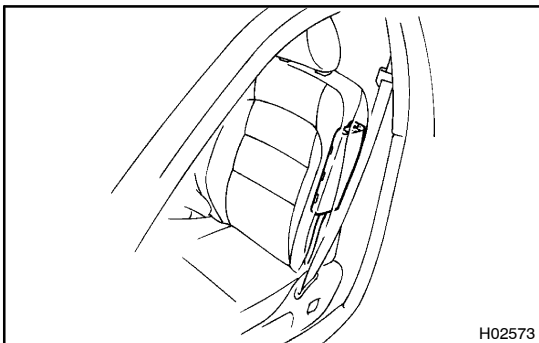
2. SPIRAL CABLE (in COMBINATION SWITCH)

A spiral cable is used as an electrical joint from the vehicle body side to the steering wheel.



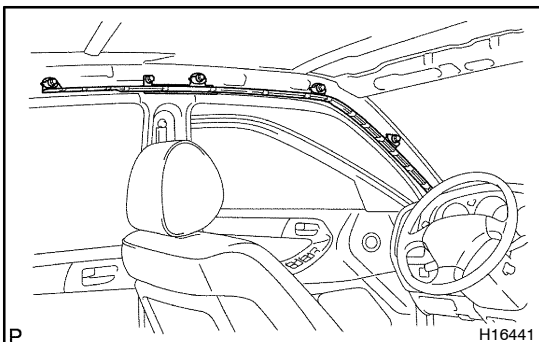
3. FRONT PASSENGER AIRBAG ASSEMBLY

The inflator and bag of the SRS are stored in the front passenger airbag assembly and cannot be disassembled. The inflator contains a squib, igniter charge, gas generator, etc., and inflates the bag when instructed by the airbag sensor assembly.



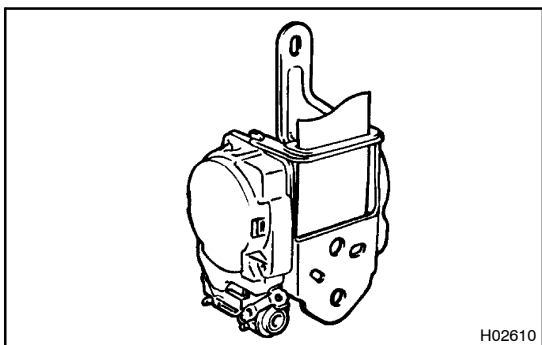
4. SIDE AIRBAG ASSEMBLY

The inflator and bag of the SRS side airbag are stored in the side airbag assembly and cannot be disassembled. The inflator contains a squib, igniter charge, gas generator, etc., and inflates the bag when instructed by the side airbag sensor assembly.



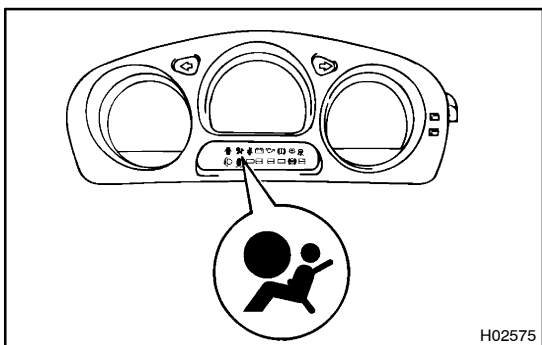
5. CURTAIN SHIELD AIRBAG ASSEMBLY

The inflator and bag of the SRS are stored in the curtain shield airbag assembly and cannot be disassembled. The inflator contains a squib, igniter charge, gas generator, etc., and inflates the bag when instructed by the airbag sensor assembly.



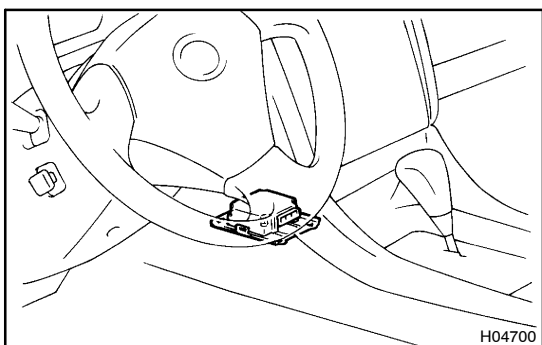
6. SEAT BELT PRETENSIONER

The seat belt pretensioner system is a component of the front seat outer belt. The pretensioner contains a squib, gas generator, wire, piston, etc., and operates in the event of a frontal collision. The seat belt pretensioner cannot be disassembled.



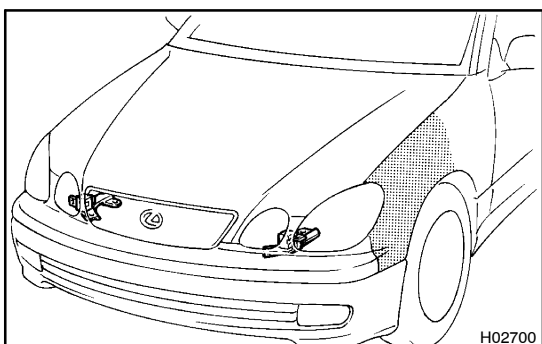
7. SRS WARNING LIGHT

The SRS warning light is located on the combination meter. It goes on to alert the driver of trouble in the system when a malfunction is detected in the airbag sensor assembly self-diagnosis. In normal operation conditions when the ignition switch is turned to the ON position, the light goes on for about 6 seconds and then goes off.



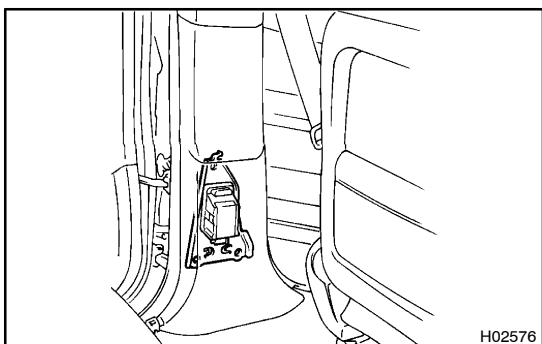
8. AIRBAG SENSOR ASSEMBLY

The airbag sensor assembly is mounted on the floor inside the lower center finish panel. The airbag sensor assembly consists of an airbag sensor, safing sensor, diagnosis circuit, ignition control, drive circuit, etc. It receives signals from the airbag sensor, front airbag sensor, side airbag sensor assembly and door side airbag assembly and judges whether the SRS must be activated or not. The airbag sensor assembly cannot be disassembled.



9. FRONT AIRBAG SENSOR

The front airbag sensor is mounted inside each of the side members. The sensor unit is a mechanical type. When the sensor detects deceleration force above a predetermined limit, contact is made in the sensor, sending a signal to the airbag sensor assembly. The front airbag sensor cannot be disassembled.

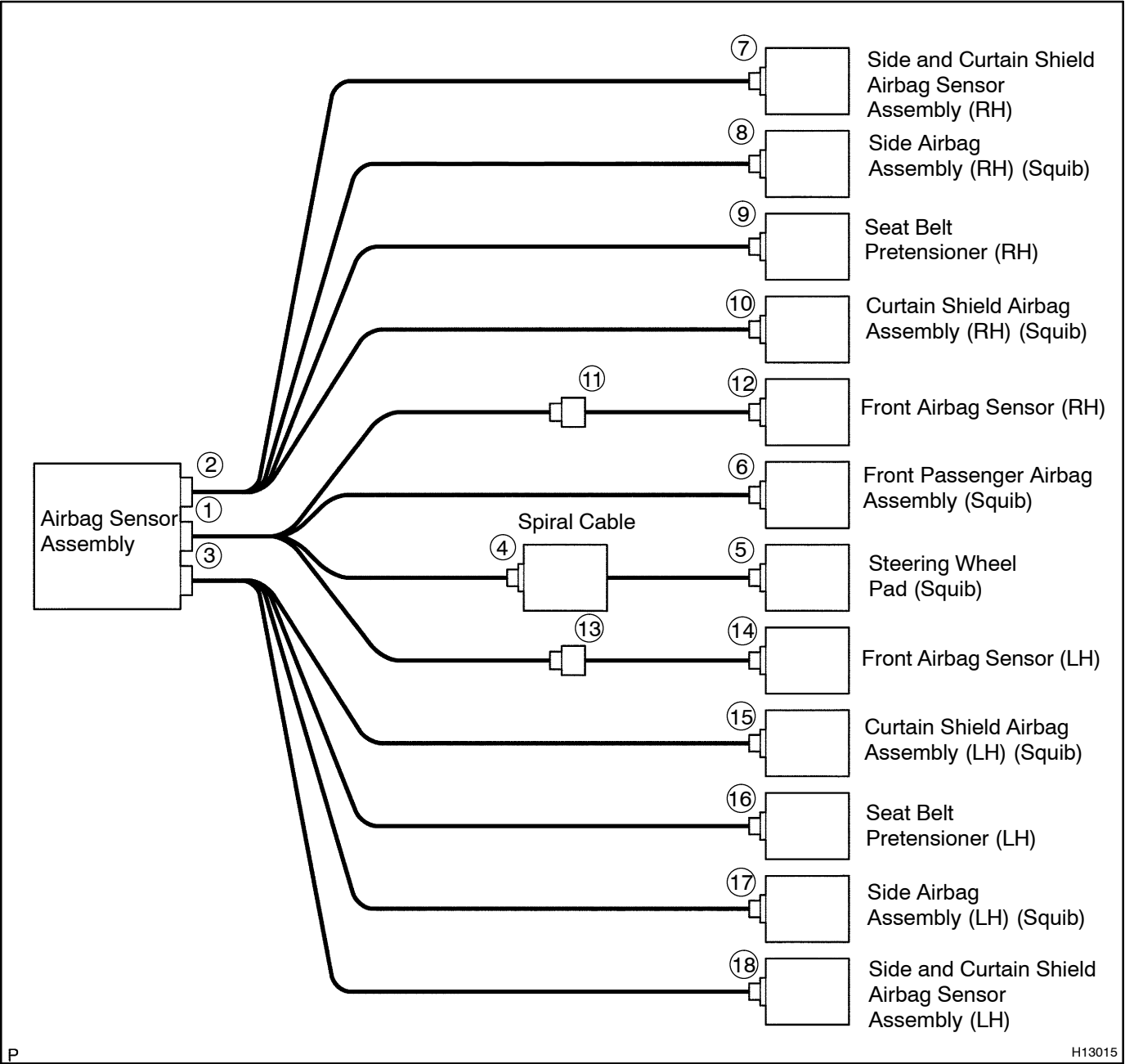


10. SIDE AND CURTAIN SHIELD AIRBAG SENSOR ASSEMBLY

The side airbag sensor assembly is mounted in the LH and RH center pillars. The side airbag sensor assembly consists of a lateral deceleration sensor, safing sensor, diagnosis circuit, etc. It sends signals to the airbag sensor assembly to judge whether the SRS side airbag must be activated or not. The side airbag sensor assembly cannot be disassembled.

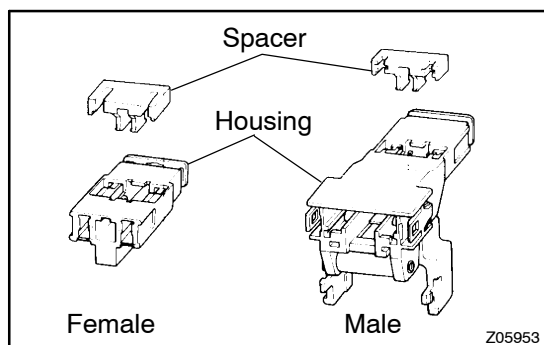
11. SRS CONNECTORS

HINT:
SRS connectors are located as shown in the following illustration.

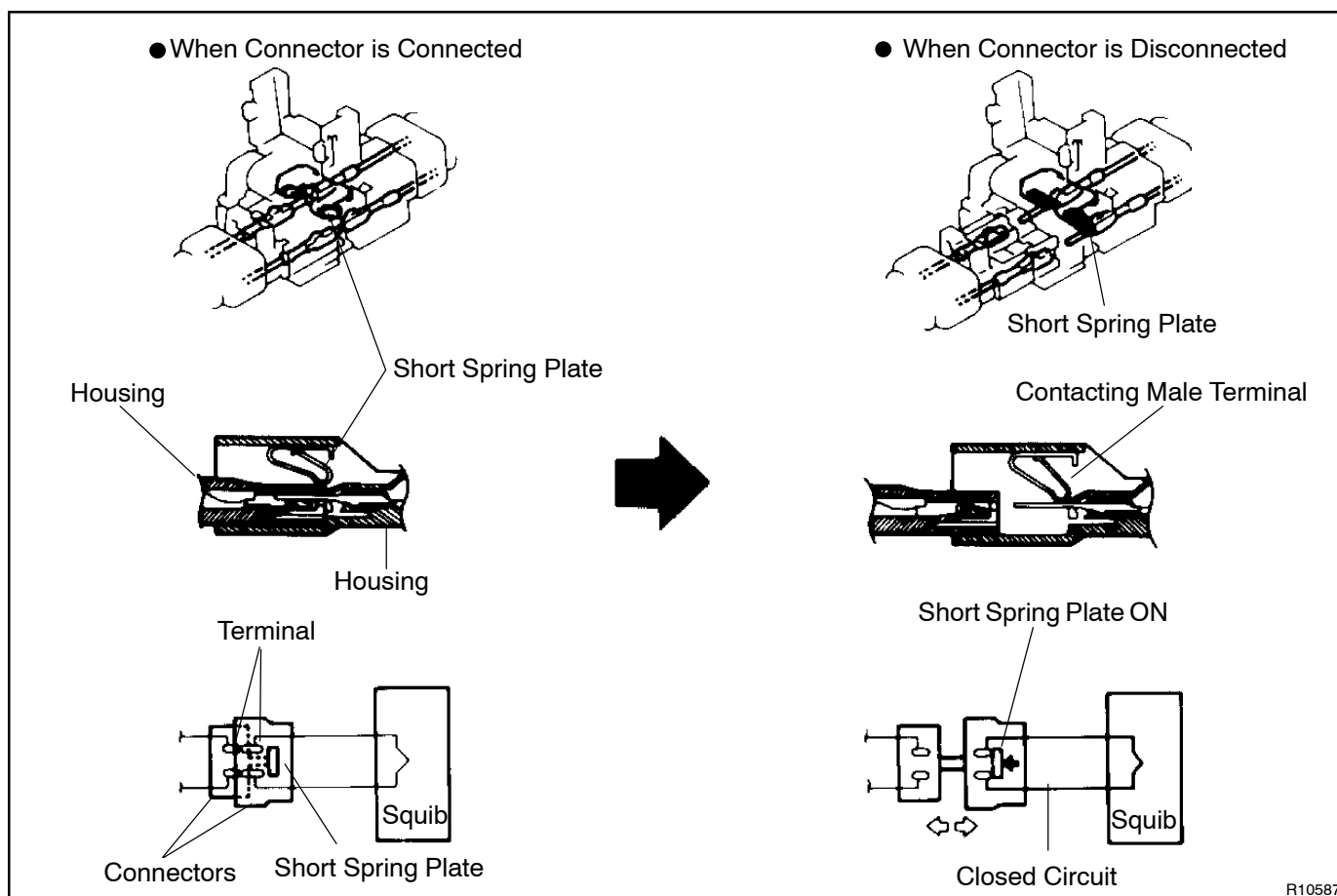


No.	Item	Application
(1)	Terminal Twin-Lock Mechanism	Connectors 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
(2)	Airbag Activation Prevention Mechanism	Connectors 1, 2, 3, 4, 5, 6, 7, 9, 14, 16
(3)	Electrical Connection Check Mechanism	Connectors 1, 2, 3

- (a) All connectors in the SRS are colored in yellow to distinguish them from other connectors. Connectors having special functions and specifically designed for the SRS are used in the locations shown on the previous page to ensure high reliability. These connectors use durable gold-plated terminals.



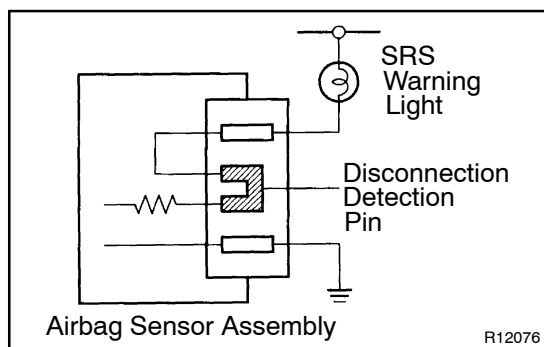
- (1) **Terminal Twin-Lock Mechanism**
Each connector has a two-piece component consisting of a housing and a spacer. This design enables the terminal to be locked securely by two locking devices (the retainer and the lance) to prevent terminals from coming out.
- (2) **Airbag Activation Prevention Mechanism**
Each connector contains a short spring plate. When the connector is disconnected, the short spring plate automatically connects positive (+) terminal and negative (-) terminal of the squib.



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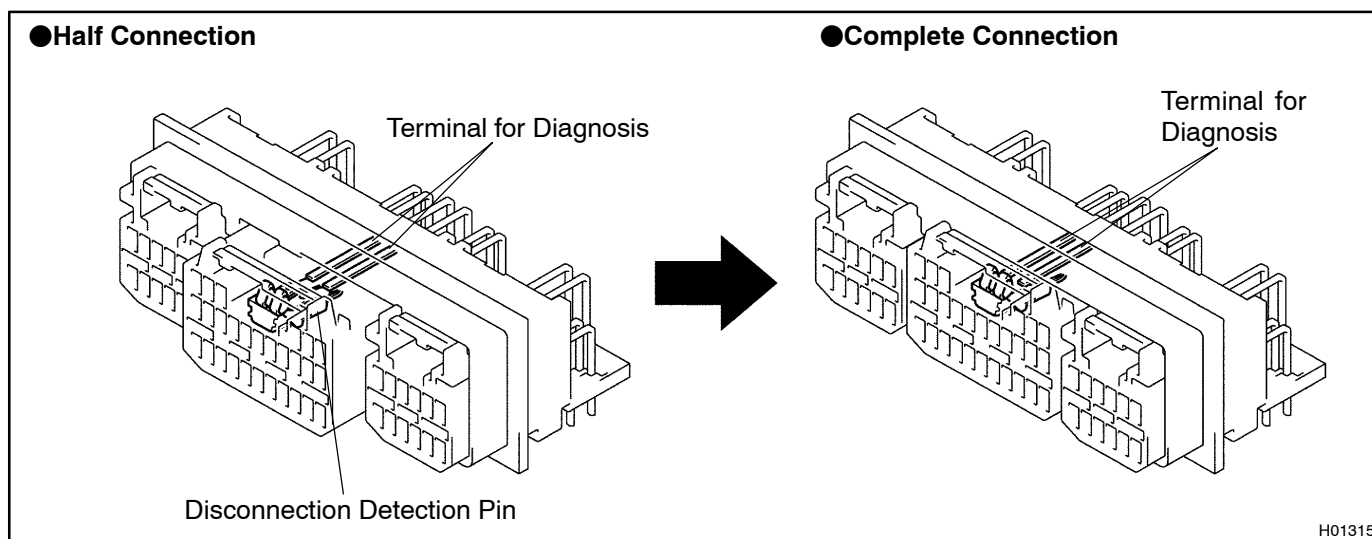
HINT:

The type of connector is shown in the diagram on the previous page.



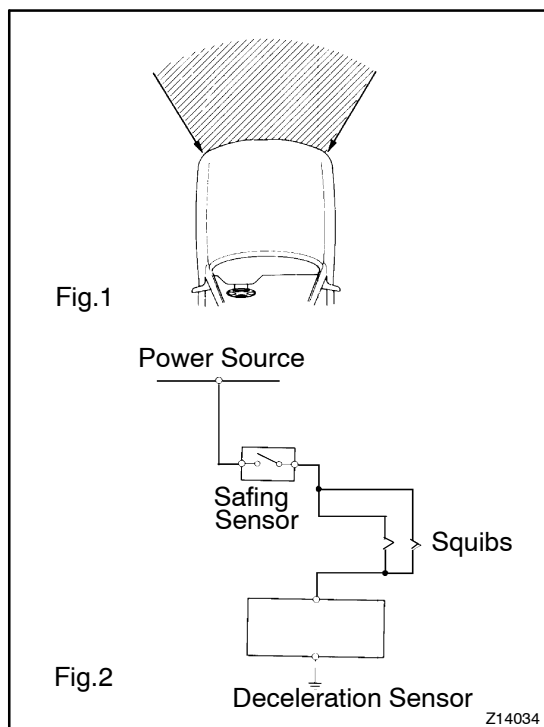
(3) Electrical Connection Check Mechanism

This mechanism electrically checks that connectors are connected correctly and completely. The electrical connection check mechanism is designed so that the disconnection detection pin connects with the diagnosis terminals when the connector housing lock is locked.

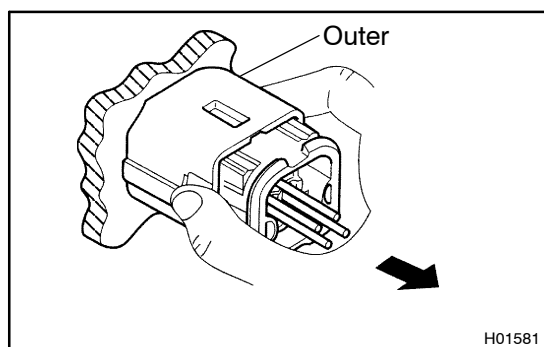


HINT:

The illustration shows connectors "1", "2" and "3" in step 11.



- (b) When the vehicle is involved in a frontal collision in the hatched area (Fig. 1) and the shock is larger than the pre-determined level, the SRS is activated automatically. A safing sensor is designed to go on at a smaller deceleration rate than the airbag sensor. As illustrated in Fig. 2, ignition is caused when current flows to the squib, which happens when a safing sensor and the deceleration sensor go on simultaneously. When a deceleration force acts on the sensors, 2 squibs in the driver airbag and front passenger airbag ignite and generate gas. The gas discharging into the driver airbag and front passenger airbag rapidly increases the pressure inside the bags, breaking open the steering wheel pad and instrument panel. Bag inflation then ends, and the bags deflate as the gas is discharged through discharge holes at the bag's rear or side.

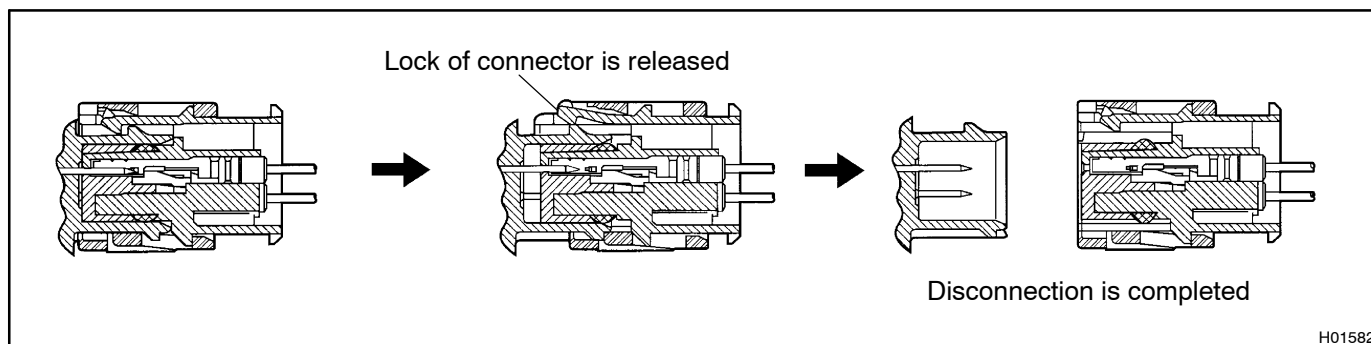


12. DISCONNECTION OF CONNECTORS FOR FRONT AIRBAG SENSOR AND SIDE AND CURTAIN SHIELD AIRBAG SENSOR

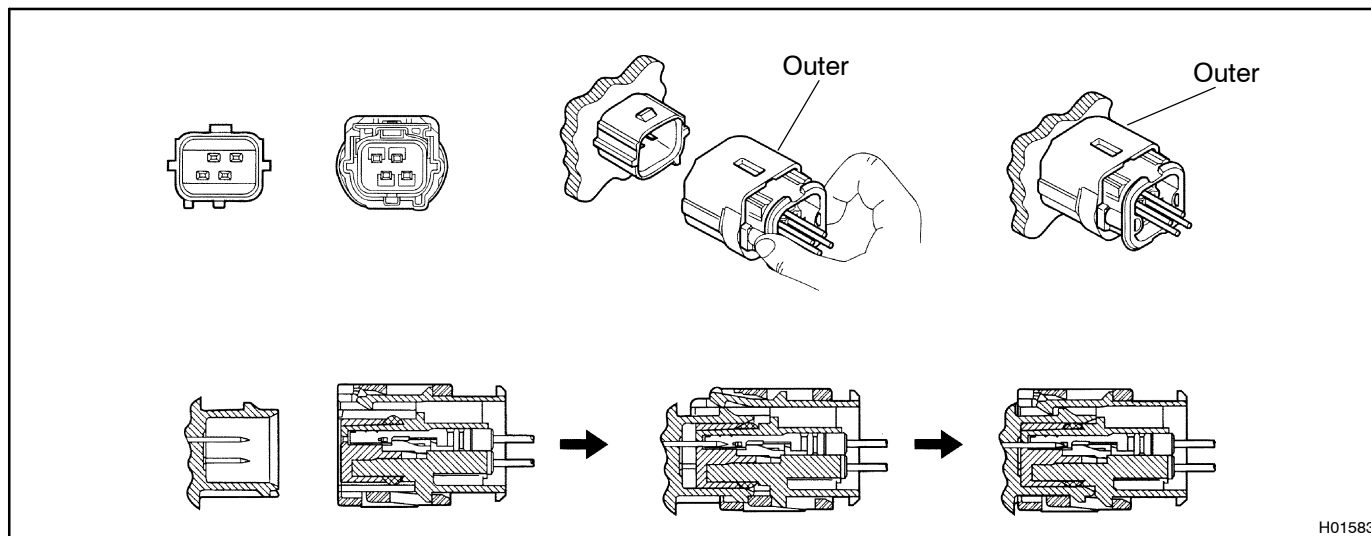
- (a) While holding both flank sides of the outer, slide the outer to the direction shown by an arrow.
- (b) Lock of the connectors is released, then disconnect the connectors.

HINT:

Be sure to hold both flank sides of the outer. If holding the top and bottom sides, it will obstruct disconnection.



13. CONNECTION OF CONNECTORS FOR FRONT AIRBAG SENSOR AND SIDE AND CURTAIN SHIELD AIRBAG SENSOR



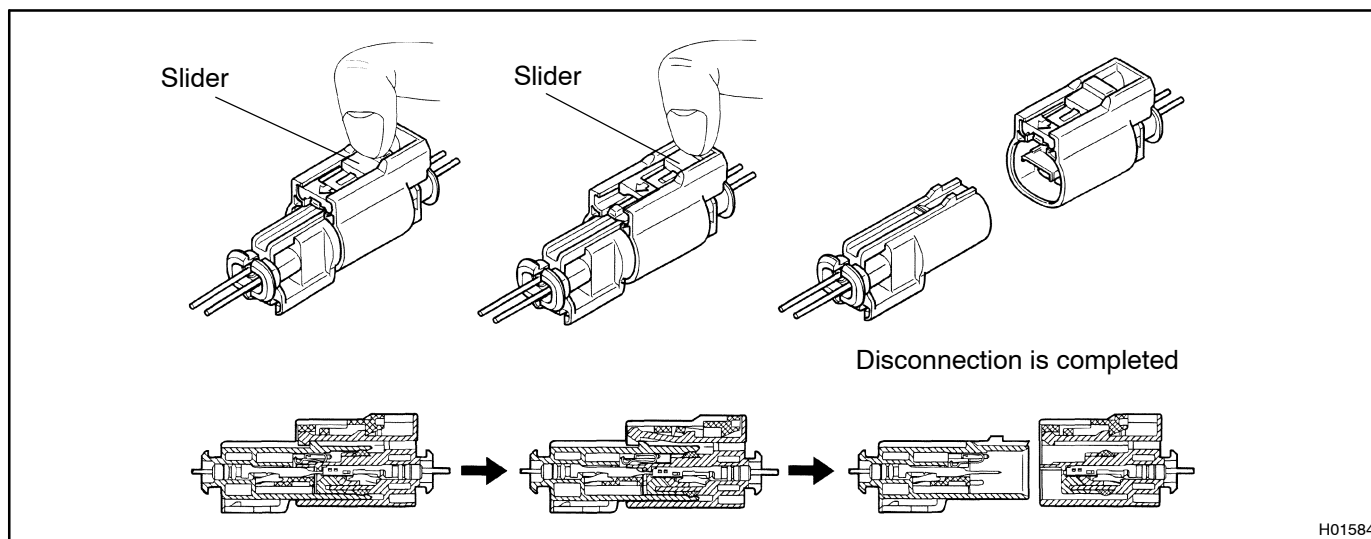
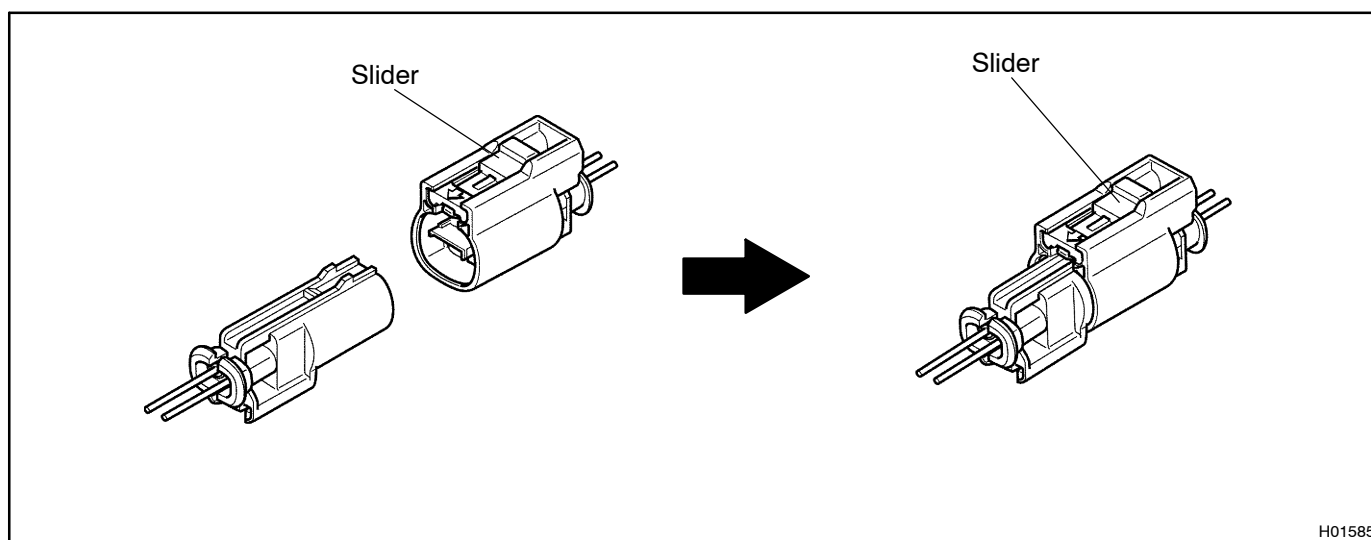
- (a) Align the male connector (of the side of sensor) and female connector in the same direction as shown in the illustration and fit in them without rubbing.
 - (b) As they are fitted in, the outer slides rearward. Press it until the outer returns to its original position again.
- If fitting stops half way, connectors will separate.
- (c) Be sure to insert until they are locked. After fitting in, pull them slightly to check that they are locked. (When locked, make sure that the outer returns to its original position and sound at the time of fitting in can be heard.)

HINT:

- Do not fit in while holding the outer.
- When fitting in, the outer slides. Do not touch it.

14. DISCONNECTION OF SIDE AIRBAG CONNECTOR

- (a) Place a finger on the slider.
- (b) Slide the slider to release lock.
- (c) Disconnect the connector.

**15. CONNECTION OF SIDE AIRBAG CONNECTOR**

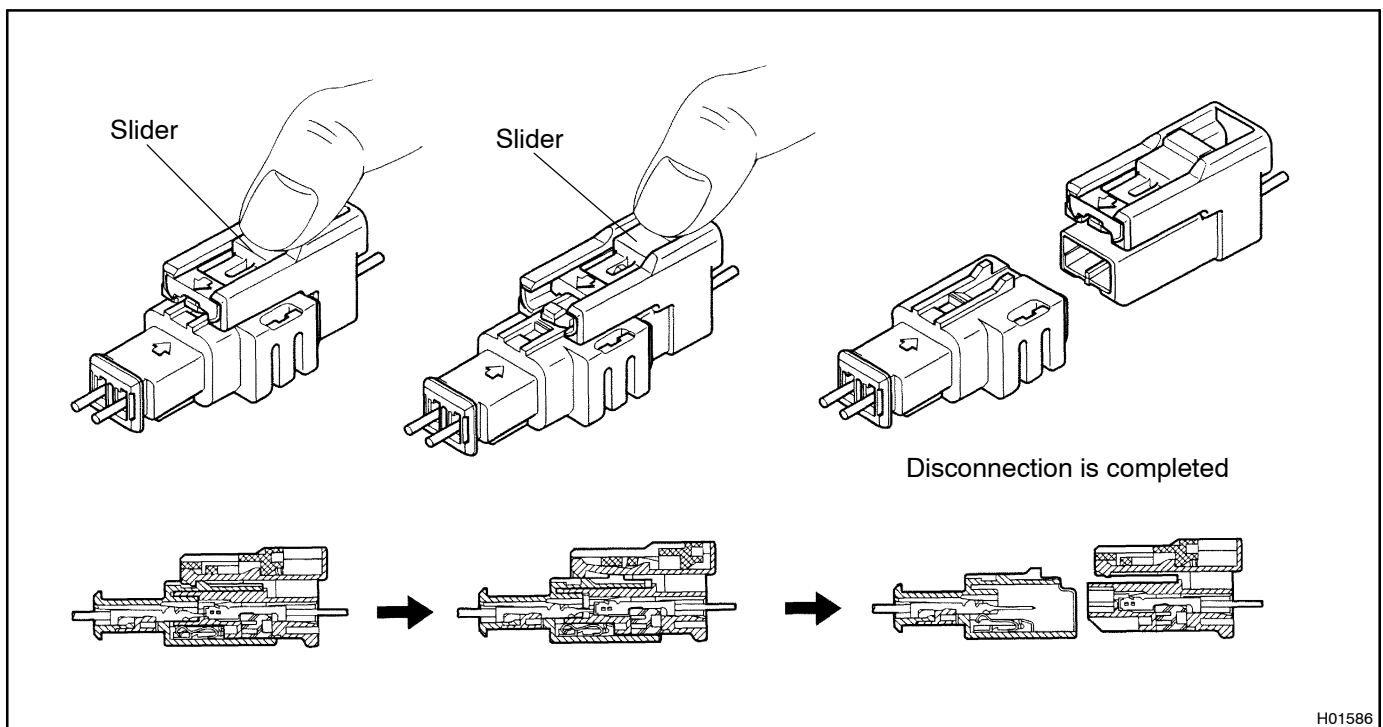
- (a) Align a lock part of male connector and a slider of female connector in the same direction as shown in the illustration, fit in them without rubbing.
- (b) Be sure to insert until they are locked. After fitting in pull them slightly to check that they are locked. (When locked, make sure that the outer returns to its original position and sound at the time of fitting in can be heard.)

HINT:

- As the slider slides, do not touch it.
- Be careful not to deform the release board. If the release board is deformed, replace it with a new one.

16. DISCONNECTION OF CONNECTORS FOR STEERING WHEEL PAD (with AIRBAG), CURTAIN SHIELD AIRBAG ASSEMBLY AND FRONT PASSENGER AIRBAG ASSEMBLY

- (a) Place a finger on the slider.
- (b) Slide the slider to release lock.
- (c) Disconnect the connector.

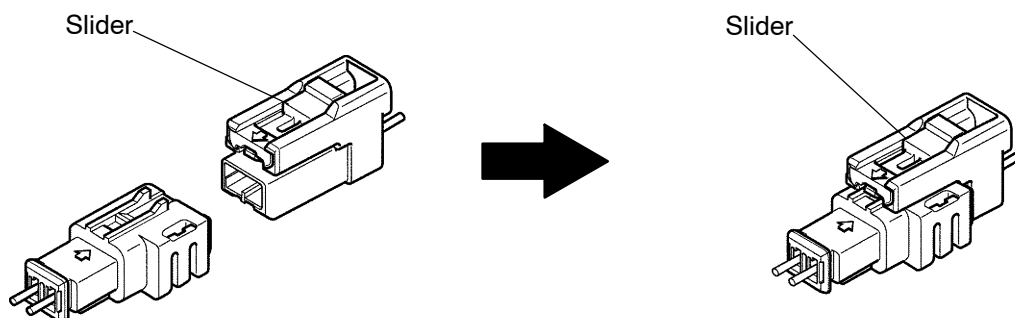


17. CONNECTION OF CONNECTORS FOR STEERING WHEEL PAD (with AIRBAG), CURTAIN SHIELD AIRBAG ASSEMBLY AND FRONT PASSENGER AIRBAG ASSEMBLY

- (a) Align a lock part of male connector and a slider of female connector in the same direction as shown in the illustration, fit in them without rubbing.
- (b) Be sure to insert until they are locked. After fitting in pull them slightly to check that they are locked. (When locked, make sure that the outer returns to its original position and sound at the time of fitting in can be heard.)

HINT:

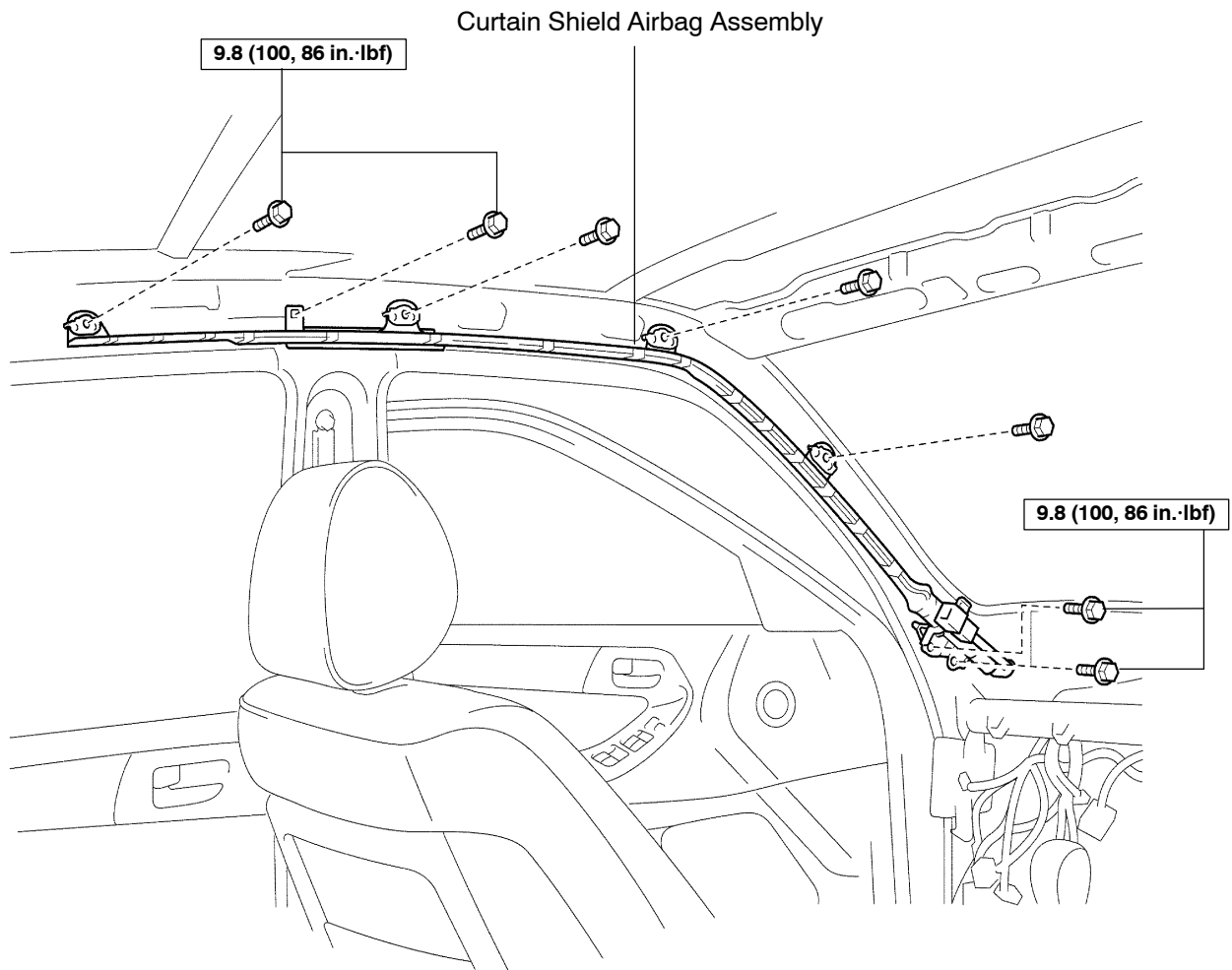
- As the slider slides, do not touch it.
- Be careful not to deform the release board. If the release board is deformed, replace it with a new one.



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CURTAIN SHIELD AIRBAG ASSEMBLY COMPONENTS

RS0N2-02



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

P

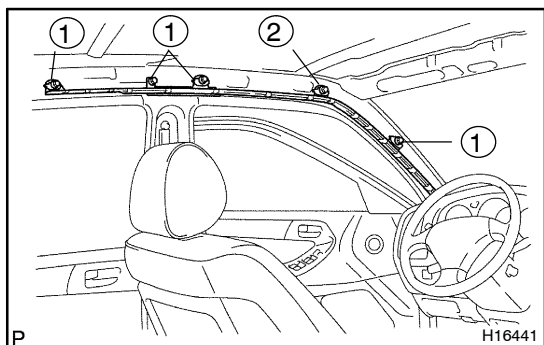
H16440

REMOVAL

NOTICE:

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

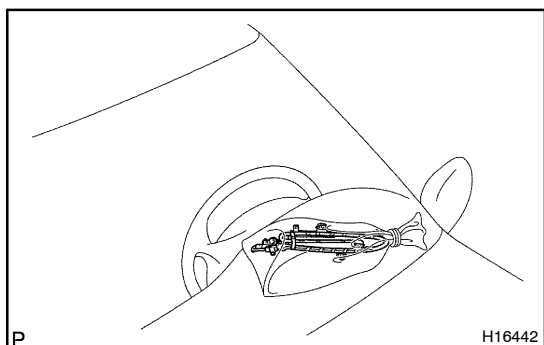
1. REMOVE ROOF HEADLINING (See page BO-29)



2. In case without removing inflater:

REMOVE CURTAIN SHIELD AIRBAG ASSEMBLY

- (a) In the order shown in the illustration, remove the bolts and deployment section of the curtain shield airbag assembly.



- (b) Put the removed airbag in the clear plastic bag and put it on the instrument panel.

CAUTION:

Never disassemble the curtain shield airbag assembly.

NOTICE:

Clear plastic bag is not reuse.

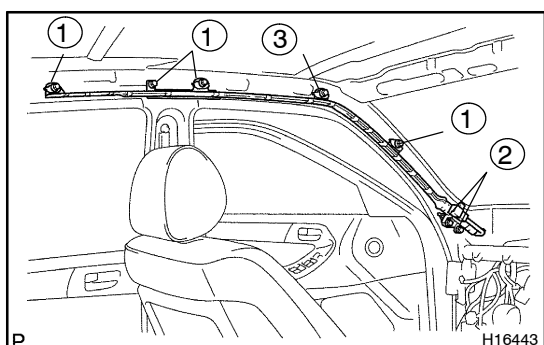
3. REMOVE INSTRUMENT PANEL (See Pub. No. RM588E on page BO-91)

4. REMOVE CURTAIN SHIELD AIRBAG ASSEMBLY

- (a) Disconnect the curtain shield airbag connector.

NOTICE:

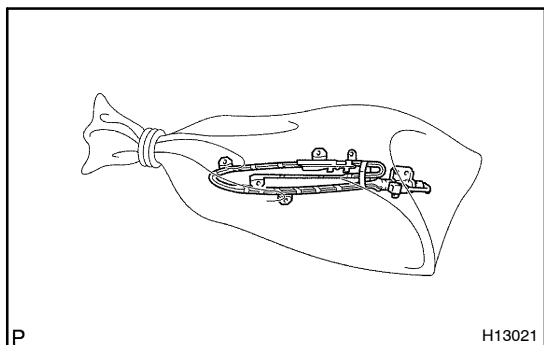
When handling the airbag connector, take care not to damage the airbag wire harness.



- (b) In the order shown in the illustration, remove the bolts and curtain shield airbag assembly.

HINT:

- Loosen the bolt (3) before removing the bolt (2).
- Bind the front and rear parts of the curtain shield airbag assembly before removing the bolt (3).



- (c) Put the removed curtain shield airbag in a clear plastic bag and keep it in a safe place.

CAUTION:

Never disassemble the curtain shield airbag assembly.

NOTICE:

Protection bag is not reuse.

INSPECTION

1. Vehicles not involved in collision:

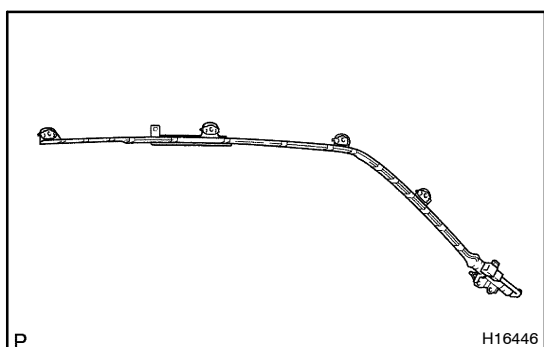
INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

- (a) Do a diagnostic system check (See page DI-369).
- (b) Do a visual check which includes the following item with the curtain shield airbag assembly installed in the vehicle. Check cuts, minute cracks or marked discoloration on the front pillar garnish and roof headlining.

2. Vehicle involved in a collision and airbag is not deployed:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

- (a) Do a diagnostic system check (See page DI-369).



- (b) Do a visual check which includes the following items with the curtain shield airbag assembly removed from the vehicle.

- Check cuts, tears and cracks, or marked discoloration of the curtain shield airbag assembly.
- Check cuts and cracks in wire harness, and chipping in connectors.

CAUTION:

For removal and installation of the curtain shield airbag assembly, see page RS-13 and RS-23. Be sure to follow the correct procedure.

3. Vehicle involved in a collision and airbag is deployed:

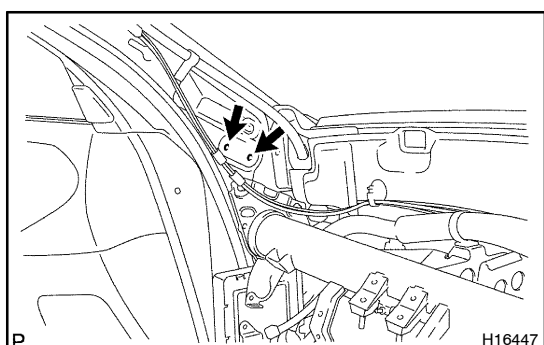
INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

- (a) Do a diagnostic system check (See page DI-369).
- (b) Do a visual check which includes the following items with the curtain shield airbag assembly removed from the vehicle.

- Check the deformation or cracks on the body that the curtain shield airbag installed to.
- Check the damage to the connector and wire harness.

HINT:

If the body that the curtain shield airbag was installed to is deformed or cracked, replace it.



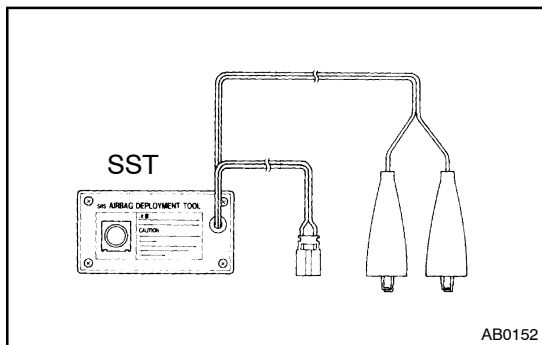
DISPOSAL

HINT:

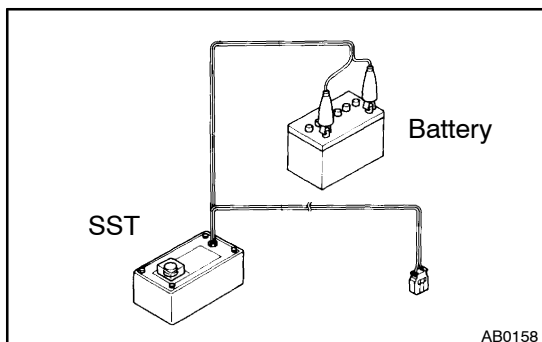
When scrapping vehicles equipped with an SRS or disposing of the side airbag assembly always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of the DISTRIBUTOR.

CAUTION:

- **Never dispose of a side 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 at least 10 m (33 ft) away from the airbag assembly.**
- **The side 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 side airbag assembly with the deployed airbag.**
- **Always wash your hands with water after completing the operation.**
- **Do not apply water, etc. to a side airbag assembly with the deployed airbag.**



1. AIRBAG DEPLOYMENT WHEN SCRAPPING VEHICLE

HINT:

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

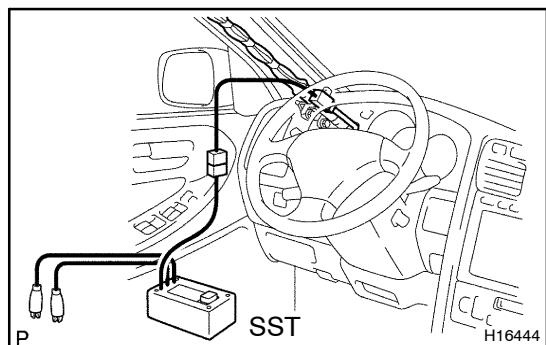
- (a) Check functioning of the SST (See Pub. No. RM588E step 1-(a) on page RS-17).

SST 09082-00700

- (b) Disconnect the curtain shield airbag connector.

NOTICE:

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



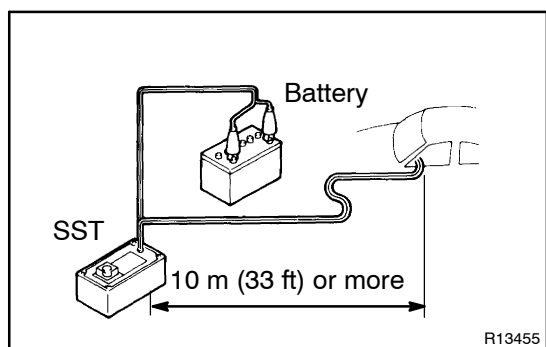
- (c) Install the SST.

- (1) Connect the connectors of the 2 SST to the airbag connector.

SST 09082-00700, 09082-00760

NOTICE:

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



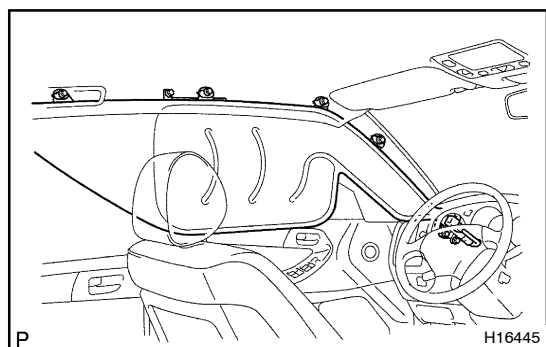
- (2) Move the SST at least 10 m (33 ft) away from the front of the vehicle.

- (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 battery negative (-) terminal.



- (d) Deploy the airbag.

- (1) Check 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.

CAUTION:

- The curtain shield 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 the curtain shield airbag assembly with the deployed airbag.
- Do not apply water, etc. to the curtain shield airbag assembly with the deployed airbag.
- Always wash your hands with water after completing the operation.
- When scrapping a vehicle, deploy the airbag and scrap the vehicle with the curtain shield airbag assembly still installed.

HINT:

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

2. DEPLOYMENT WHEN DISPOSING OF CURTAIN SHIELD AIRBAG ASSEMBLY

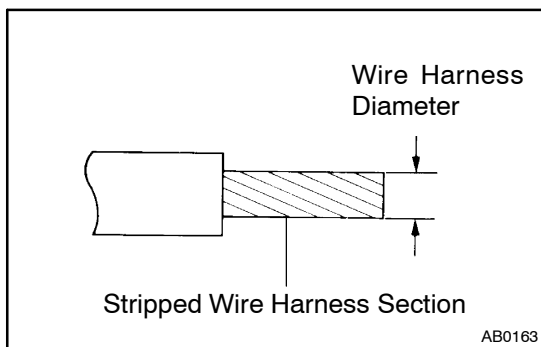
NOTICE:

- When disposing of the curtain shield airbag assembly only, never use the customer's 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.

- Remove the curtain shield airbag assembly (See page RS-19).
- Cut off the deployment section in airbag from inflator.



- Using a service-purpose wire harness, tie down the curtain shield airbag assembly to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in². or more)

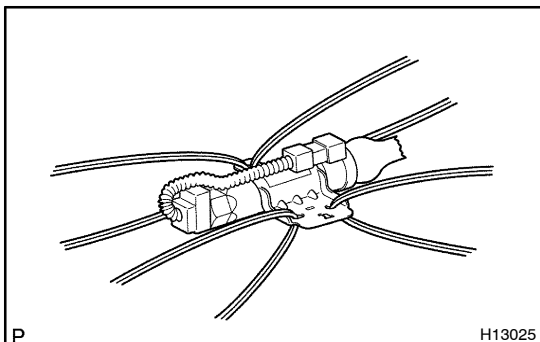
CAUTION:

If a wire harness which is too thin or some other thing is used to tie down the side airbag assembly, 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 mm² (0.0019 in².).

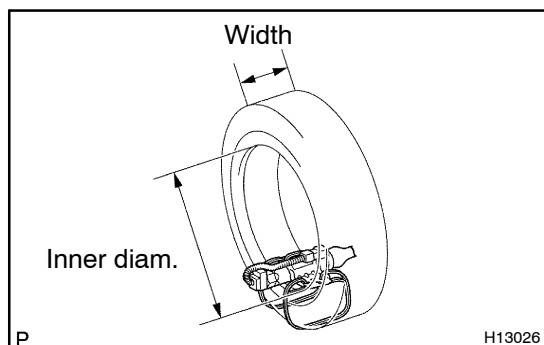
HINT:

To calculate the square of the stripped wire harness section–

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



- Passing the wire harness through the installation holes as shown in the illustration.



- (2) Position the curtain shield airbag assembly inside the tire with the airbag deployment direction facing inside.

Tire size: Must exceed the following dimensions–

Width: 185 mm (7.28 in.)

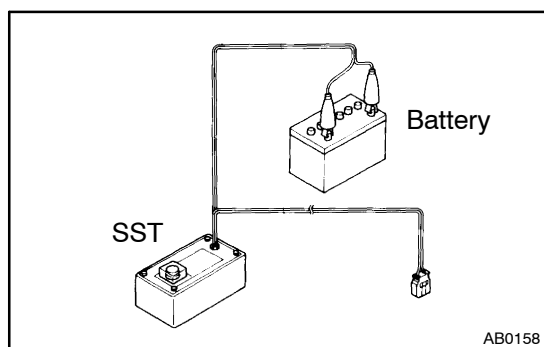
Inner diameter: 360 mm (14.17 in.)

CAUTION:

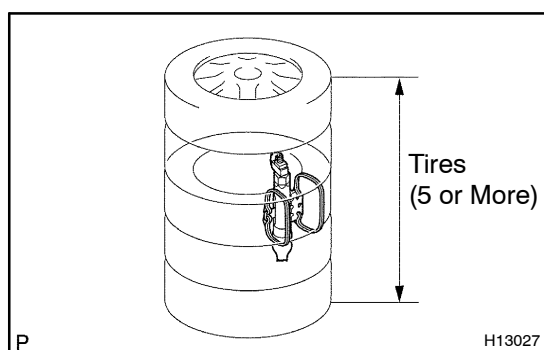
Make sure the wire harness is tight. It is very dangerous when a loose wire harness results in the curtain shield airbag assembly coming free due to the shock from the airbag deploying.

NOTICE:

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



- (d) Check functioning of the SST (See Pub No. RM588E step 1–(a) on page RS-17).
SST 09082-00700

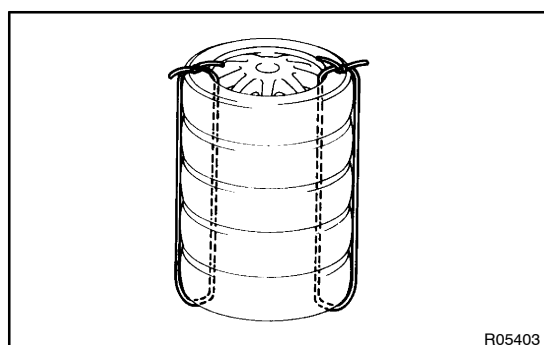


- (e) Place the tires.

CAUTION:

Place the tire so that the deployment direction of the curtain shield airbag will be downward.

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



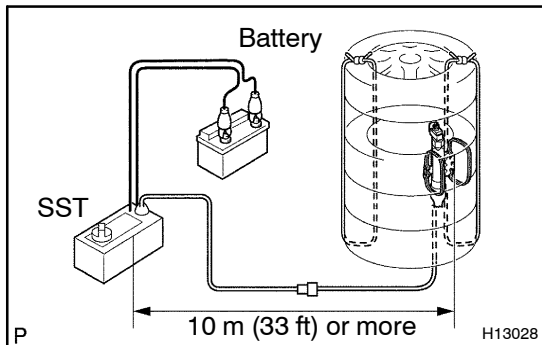
- (3) Tie the tires together with 2 wire harness.

CAUTION:

Make sure that the wire harness are tight. It is very dangerous when loose wire harness results in the tires coming free due to the shock from the airbag deploying.

HINT:

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



- (f) Install the SST.
Connect the connectors of the 2 SST to the curtain shield airbag assembly connector.
SST 09082-00700, 09082-00760

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.

- (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) Check that no one is within 10 m (33 ft) area around the tire which the side 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 curtain shield airbag assembly.

CAUTION:

- **The curtain shield 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 curtain shield airbag assembly with the deployed airbag.**
 - **Do not apply water etc. to a curtain shield airbag assembly with the deployed airbag.**
 - **Always wash your hands with water after completing the operation.**
- (1) Remove the curtain shield airbag assembly from the tire.
 - (2) Place the curtain shield airbag assembly in a vinyl bag, tie the end tightly and dispose of it in the same way as other general parts disposal.



3. DEPLOYMENT WHEN DISPOSING OF SIDE AIRBAG ASSEMBLY WITH AIRBAG DEPLOYED IN COLLISION

Dispose of the curtain shield airbag assembly.

CAUTION:

- The curtain shield 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 curtain shield airbag assembly with the deployed airbag.
 - Do not apply water etc. to a curtain shield airbag assembly with the deployed airbag.
 - Always wash your hands with water after completing the operation.
- (1) Remove the curtain shield airbag assembly (See [page RS-19](#)).
 - (2) Place the curtain shield airbag assembly in a vinyl bag, tie the end tightly and dispose of it in the same way as other general parts disposal.

REPLACEMENT

REPLACEMENT REQUIREMENTS

In the following cases, replace the curtain shield airbag assembly or curtain shield airbag cover.

Case	Replacing Part
If the curtain shield airbag has been deployed.	Curtain shield airbag assembly
If the curtain shield airbag assembly has been found to be faulty in trouble-shooting.	Curtain shield airbag assembly
If the curtain shield airbag assembly has been found to be faulty during checking items (See page RS-15).	Curtain shield airbag assembly
If the front pillar garnish has been found to be faulty during checking items (See page RS-15).	Front pillar garnish
If the roof headlining has been found to be faulty during checking items (See page RS-15).	Roof headlining
If the curtain shield airbag assembly has been dropped.	Curtain shield airbag assembly

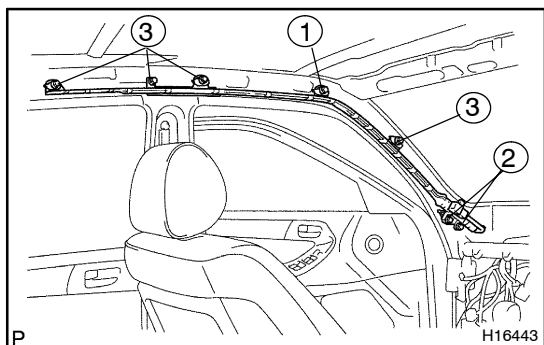
CAUTION:

For removal and installation of the curtain shield airbag assembly, see page RS-19 and RS-23. Be sure to follow the correct procedure.

INSTALLATION

NOTICE:

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



1. INSTALL CURTAIN SHIELD AIRBAG ASSEMBLY

- (a) In order shown in the illustration, install the curtain shield airbag with the 7 bolts.

Torque: 9.8 N·m (100 kgf·cm, 86 in·lbf)

CAUTION:

Pay due attention not to twist the deployment section of the curtain shield airbag assembly.

NOTICE:

- Make sure that the curtain shield airbag assembly is installed with the specified torque.
 - If the curtain shield airbag assembly has been dropped, or there are cracks, dents or other defects in the case or connector, replace the curtain shield airbag assembly with a new one.
 - When installing the curtain shield airbag assembly, take care it is not pinched between other parts.
- (b) Connect the connector of the curtain shield airbag assembly.

2. INSTALL INSTRUMENT PANEL (See Pub. No. RM588E on page BO-97)

3. When inflator is installed:

INSTALL CURTAIN SHIELD AIRBAG ASSEMBLY

In order shown in the illustration, install the deployment section of the curtain shield airbag assembly with the 5 bolts.

Torque: 9.8 N·m (100 kgf·cm, 86 in·lbf)

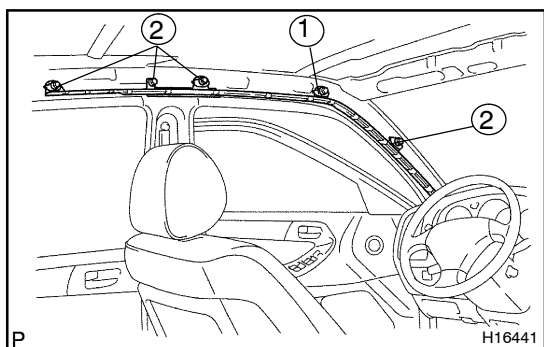
CAUTION:

Pay due attention not to twist it.

NOTICE:

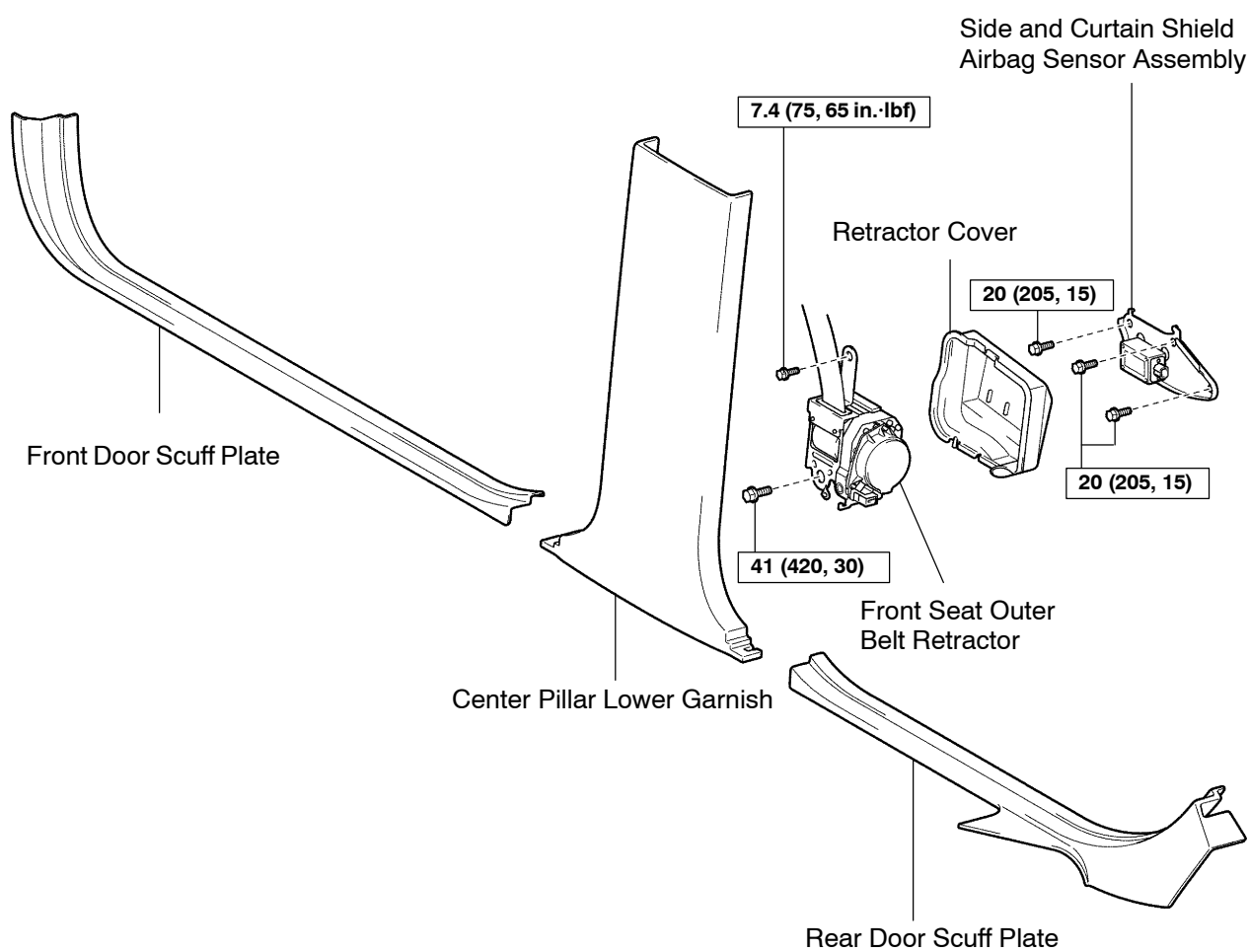
- Make sure that the curtain shield airbag assembly is installed with the specified torque.
- When installing the curtain shield airbag assembly, take care it is not pinched between other parts.

4. INSTALL ROOF HEADLINING (See page BO-31)



SIDE AND CURTAIN SHIELD AIRBAG SENSOR ASSEMBLY COMPONENTS

RS0NI-01



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

P

H13013

REMOVAL

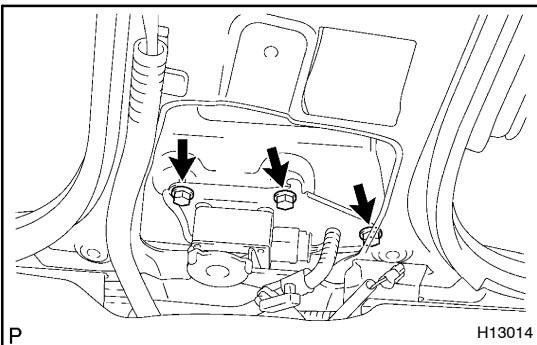
NOTICE:

- Do not open the cover or the case of the ECU and various electrical devices unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)
- If the wiring connector of the SRS is disconnected with the ignition switch at ON position, DTCs will be recorded.

HINT:

For step 1 to 4, refer to page BO-29.

1. REMOVE REAR DOOR SCUFF PLATE
2. REMOVE FRONT DOOR SCUFF PLATE
3. REMOVE CENTER PILLAR LOWER GARNISH
4. REMOVE RETRACTOR OF FRONT SEAT OUTER BELT
5. REMOVE RETRACTOR COVER



6. REMOVE SIDE AND CURTAIN SHIELD AIRBAG SENSOR ASSEMBLY

- (a) Disconnect the connector.

NOTICE:

Disconnect the connector with the sensor assembly installed.

- (b) Remove the 3 bolts and side and curtain shield airbag sensor assembly.

INSPECTION

1. Vehicles not involved in collision:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

Do a diagnostic system check (See page DI-369).

2. Vehicle involved in collision and airbag is not deployed:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

Do a diagnostic system check (See page DI-369).

3. Vehicle involved in collision and airbag is deployed:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

Replace the side and curtain shield airbag sensor assembly (See page RS-24).

REPLACEMENT

REPLACEMENT REQUIREMENTS

In the following cases, replace the side and curtain shield airbag sensor assembly.

- If the side curtain shield airbag assembly has been deployed in a collision.
- If the side curtain shield airbag sensor assembly has been found to be faulty in troubleshooting.
- If the side curtain shield airbag sensor assembly has been dropped.

CAUTION:

For removal and installation of the side and curtain shield airbag sensor assembly, see page RS-25 and RS-28. Be sure to follow the correct procedure.

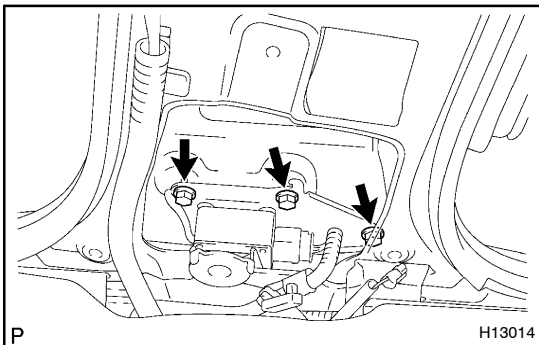
INSTALLATION

NOTICE:

- Never use SRS parts from another vehicle. When replacing parts, replace them with new ones.
- Never reuse the side and curtain shield airbag sensor assembly involved in a collision when the airbag has deployed.
- Never repair a sensor in order to reuse it.

HINT:

For step 3 to 6, refer to page RS-28.



1. INSTALL SIDE AND CURTAIN SHIELD AIRBAG SENSOR ASSEMBLY

- (a) Install the side and curtain shield airbag sensor assembly with 3 bolts.

Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

- (b) Connect the connector.

NOTICE:

- Connection of the connector is done after the sensor assembly has been installed.
- Make sure the sensor assembly is installed with the specified torque.
- If the sensor assembly has been dropped, or there are cracks, dents or other defects in the case, bracket or connector, replace the sensor assembly with a new one.
- When installing the sensor assembly, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- After installation, shake the sensor assembly to check that there is no looseness.

2. INSTALL RETRACTOR COVER

3. INSTALL RETRACTOR OF FRONT SEAT OUTER BELT

Torque:

Upper bolt: 7.5 N·m (75 kgf·cm, 67 in·lbf)

Lower bolt: 42 N·m (428 kgf·cm, 31 ft·lbf)

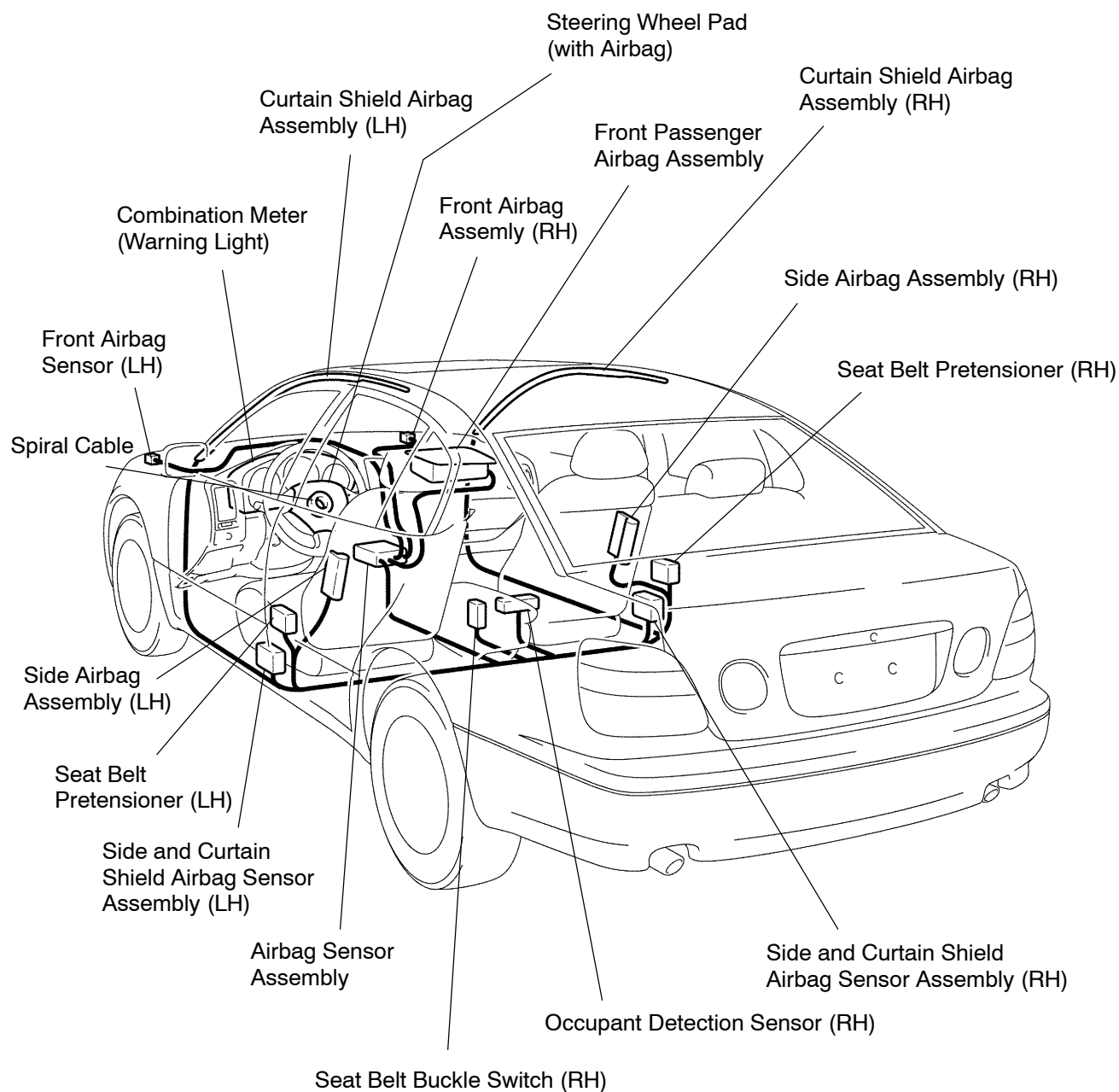
4. INSTALL CENTER PILLAR LOWER GARNISH

5. INSTALL FRONT DOOR SCUFF PLATE

6. INSTALL REAR DOOR SCUFF PLATE

WIRE HARNESS AND CONNECTOR LOCATION

RS0NN-02



*All components for RHD vehicle are minor image of LHD vehicle.

INSPECTION

HINT:

The SRS wire harness is integrated with the instrument panel wire harness assembly. All the connectors in the system are a standard yellow color.

1. Vehicles not involved in collision:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

Do a diagnostic system check (See page DI-369).

2. Vehicles involved in collision:

INSPECT SUPPLEMENTAL RESTRAINT SYSTEM

- (a) Do a diagnostic system check (See page DI-369).
- (b) Check breaks in all wires of the SRS wire harness, and exposed conductors.
- (c) Check to see if the SRS wire harness connectors are cracked or chipped.

REPLACEMENT

In the following cases, replace the wire harness or connector.

- If any part of the SRS wire harness or any connector has been found to be faulty in troubleshooting.
- If any part of the SRS wire harness or any connector has been found to be faulty during checking items [\[See page RS-30\]](#).

CAUTION:

If the wire harness used in the SRS is damaged, replace the whole wire harness assembly.