

SUPPLEMENTAL RESTRAINT SYSTEM

600Y2-01

PRECAUTION

CAUTION:

- The vehicle is equipped with SRS, which consists of 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 indicated in the repair manual.
- Wait at least 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery before starting the operation.
(The SRS is equipped with a back-up power source, so that if work is started within 90 seconds after disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.)
- Do not expose the horn button assy, front passenger airbag assy, airbag sensor assy center, airbag sensor front, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor directly to hot air or flames.
- Be sure to perform the initialization of the occupant classification ECU under the conditions listed below (See page 05-1452). If the initialization is not performed, the SRS may not operate properly.
 - The occupant classification ECU is replaced.
 - Accessories (seatback tray or seat cover, etc.) are installed to the vehicle.
 - The passenger seat is removed from the vehicle.
 - Both the SRS warning light and passenger airbag ON/OFF indicator light ("OFF") come on.
 - The vehicle is brought to the workshop for repair purpose due to an accident or collision.

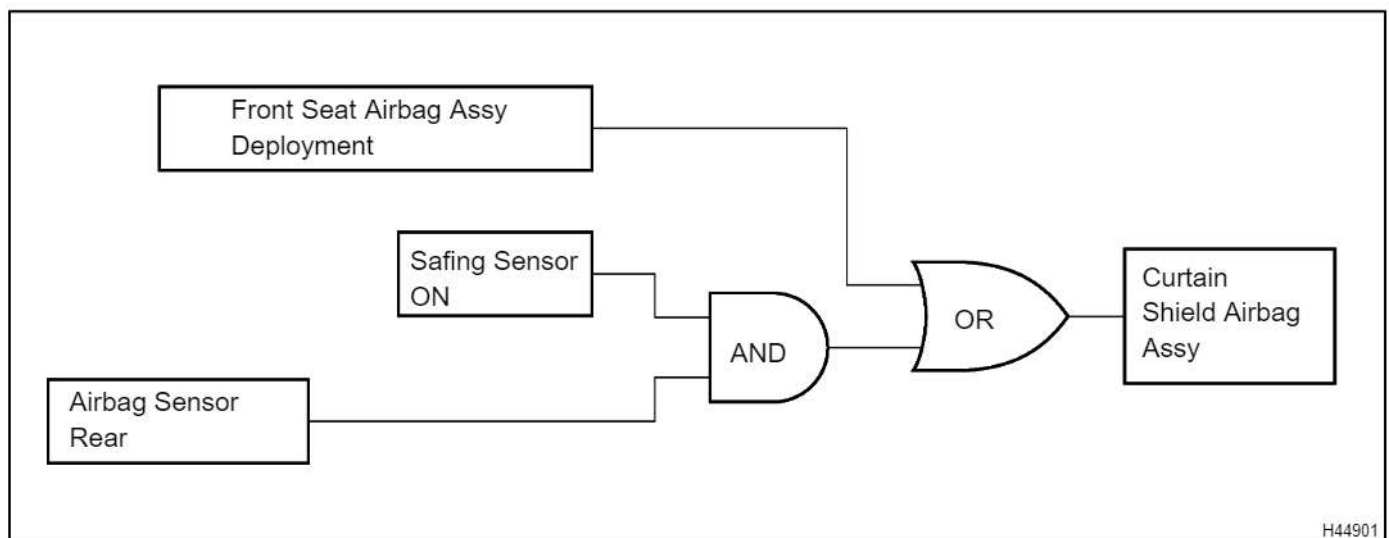
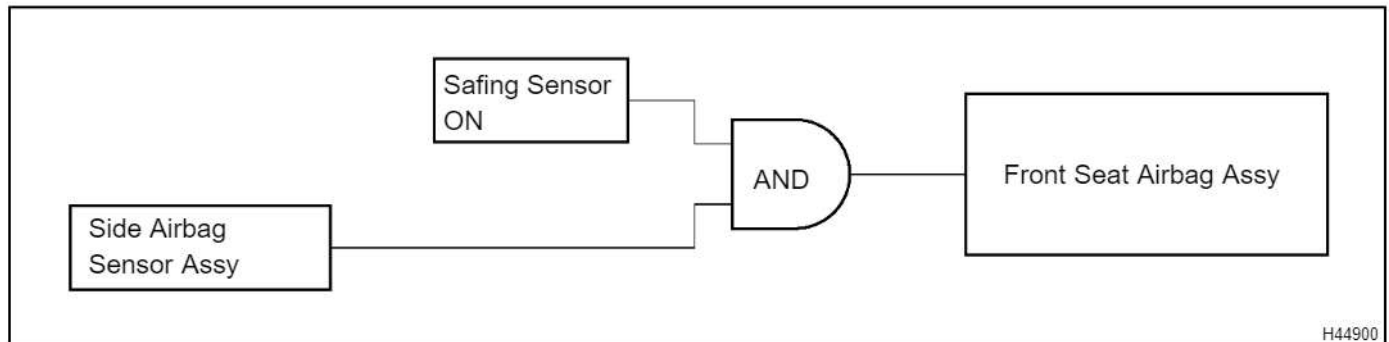
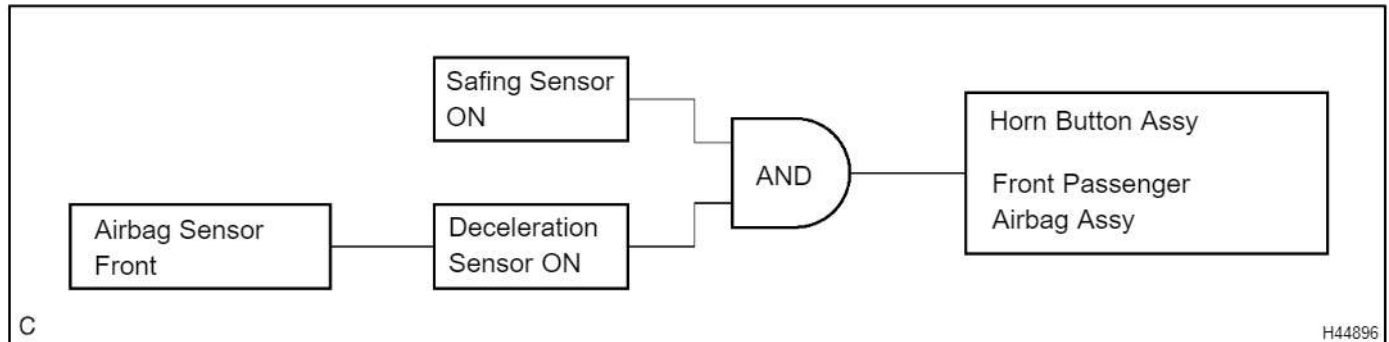
NOTICE:

- Malfunction symptoms of the SRS are difficult to confirm, so DTCs are the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect DTCs before disconnecting the battery.
- Even in the case of a minor collision when the SRS does not deploy, the horn button assy, front passenger airbag assy, airbag sensor assy center, airbag sensor front, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear and seat position airbag sensor should be inspected (see page 60-17).
- Before repair work, remove the airbag sensor if any kind of shock is likely to occur to the airbag sensor during the operation.
- Never use SRS parts from another vehicle. When replacing the parts, replace them with new ones.
- Never disassemble or repair the horn button assy, front passenger airbag assy, airbag sensor assy center, airbag sensor front, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor in order to reuse it.
- If the horn button assy, front passenger airbag assy, airbag sensor assy center, airbag sensor front, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor has been dropped, or if there are any cracks, dents or other defects in the case, bracket or connector, replace it with a new one.
- Use a volt/ohmmeter with high impedance (10 k Ω /V minimum) for troubleshooting the electrical circuits.

- Information labels are attached to the periphery of the SRS components. Follow the instructions in the caution.
- After work on the SRS is completed, perform the SRS warning light check (See page [05-1456](#)).
- When the negative (-) terminal cable is disconnected from the battery, the memory will be cleared. Because of this, be sure to make a record of the contents memorized in each system before starting work. When work is finished, adjust each system as it was before. Never use a back-up power supply from outside the vehicle to avoid erasing the memory in any system.
- If the vehicle is equipped with a mobile communication system, see page [01-5](#).

1. DEPLOYMENT CONDITION

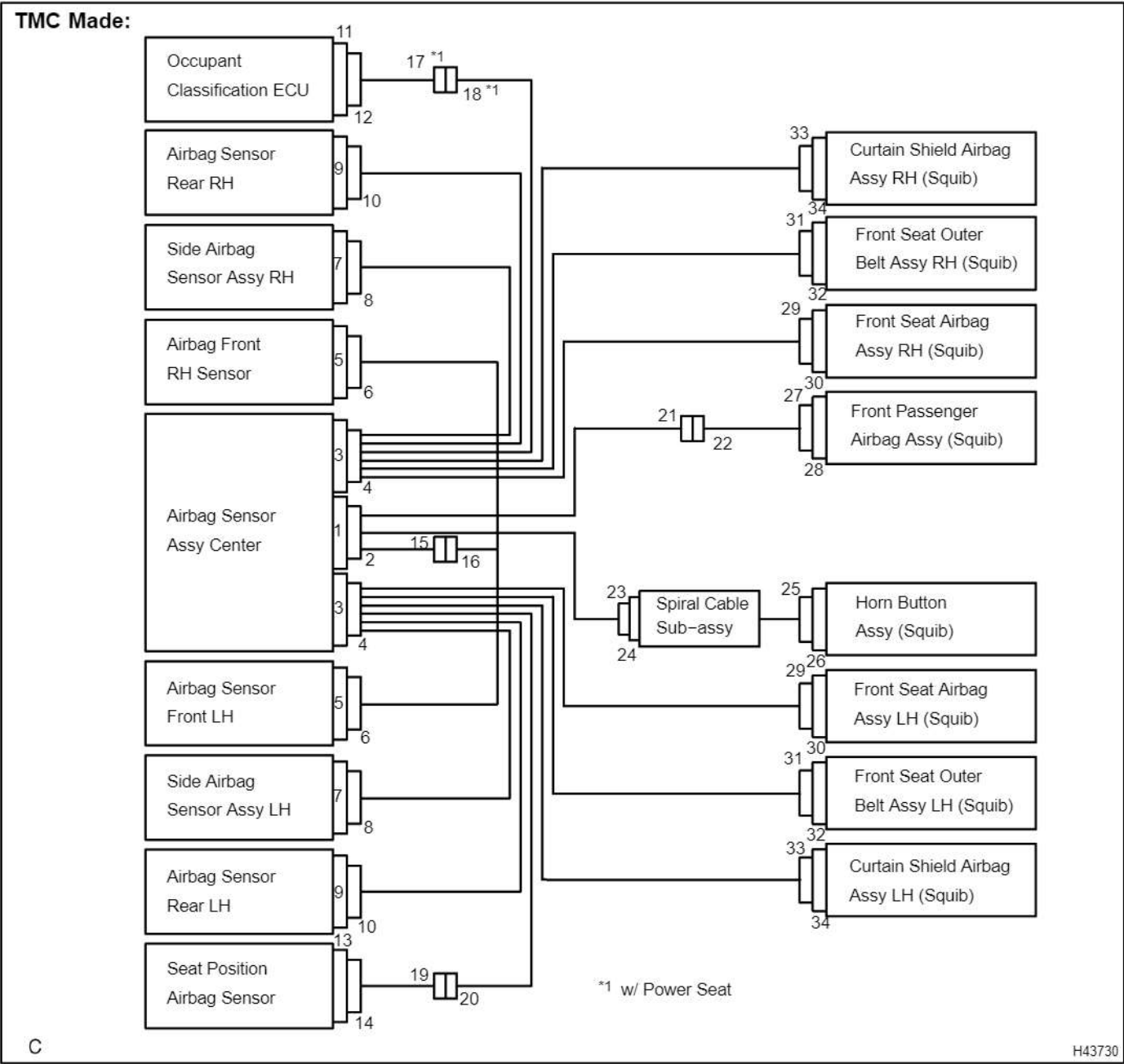
- (a) When the vehicle collides and the shock is greater than the specified value, the SRS is activated automatically. The airbag sensor assy center includes the safing sensor and deceleration sensor. The safing sensor was designed to be turned on at a smaller deceleration rate than the deceleration sensor. The deceleration sensor determines whether or not ignition is necessary based on signals from the airbag sensor front. Current flows to the squibs to deploy the SRS when the conditions shown in the illustrations below are met.



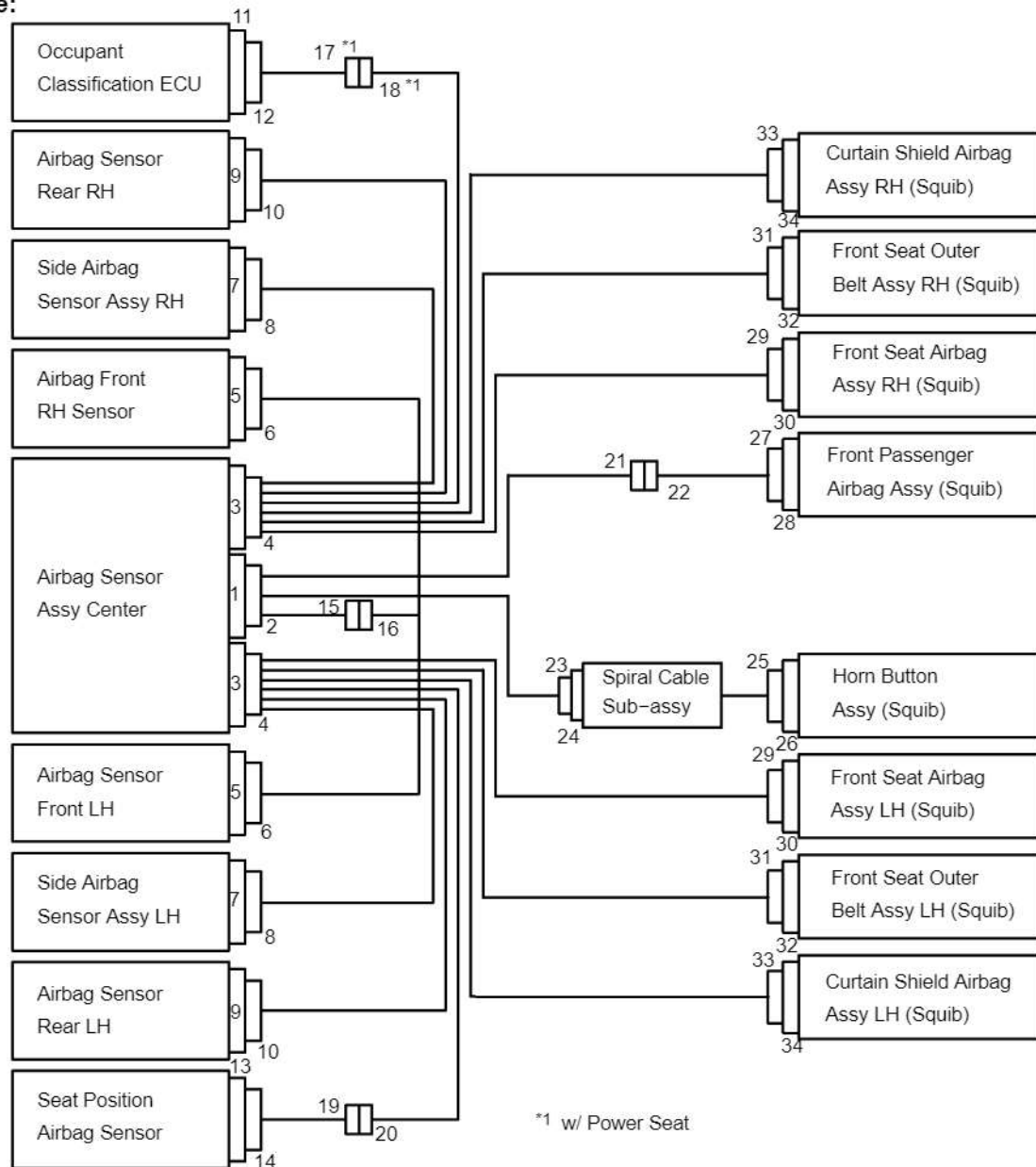
2. SRS CONNECTORS

HINT:

SRS connectors are located as shown in the following illustration.



No.	Connector Type	Application
(1)	Terminal Twin-Lock Mechanism	Connectors 2, 4, 6, 8, 10, 14, 15, 16, 18, 20, 21, 22, 23, 29, 30
(2)	Activation Prevention Mechanism	Connectors 2, 4, 16, 22, 24, 26, 28, 30, 32, 34
(3)	Half Connection Prevention Mechanism	Connectors 6, 8, 10, 16, 21, 23, 29
(4)	Connector Lock Mechanism (1)	Connectors 25, 27, 31, 33
(5)	Connector Lock Mechanism (2)	Connectors 2, 4
(6)	Improper Connection Prevention Lock Mechanism	Connectors 1, 3

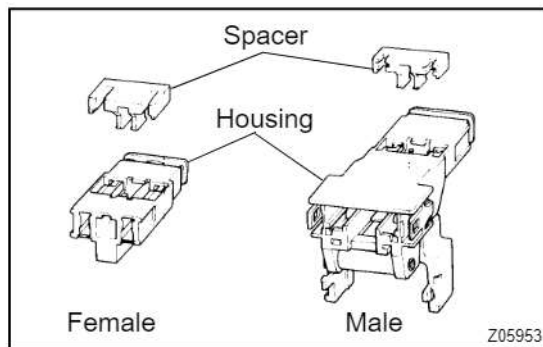
TMMK Made:

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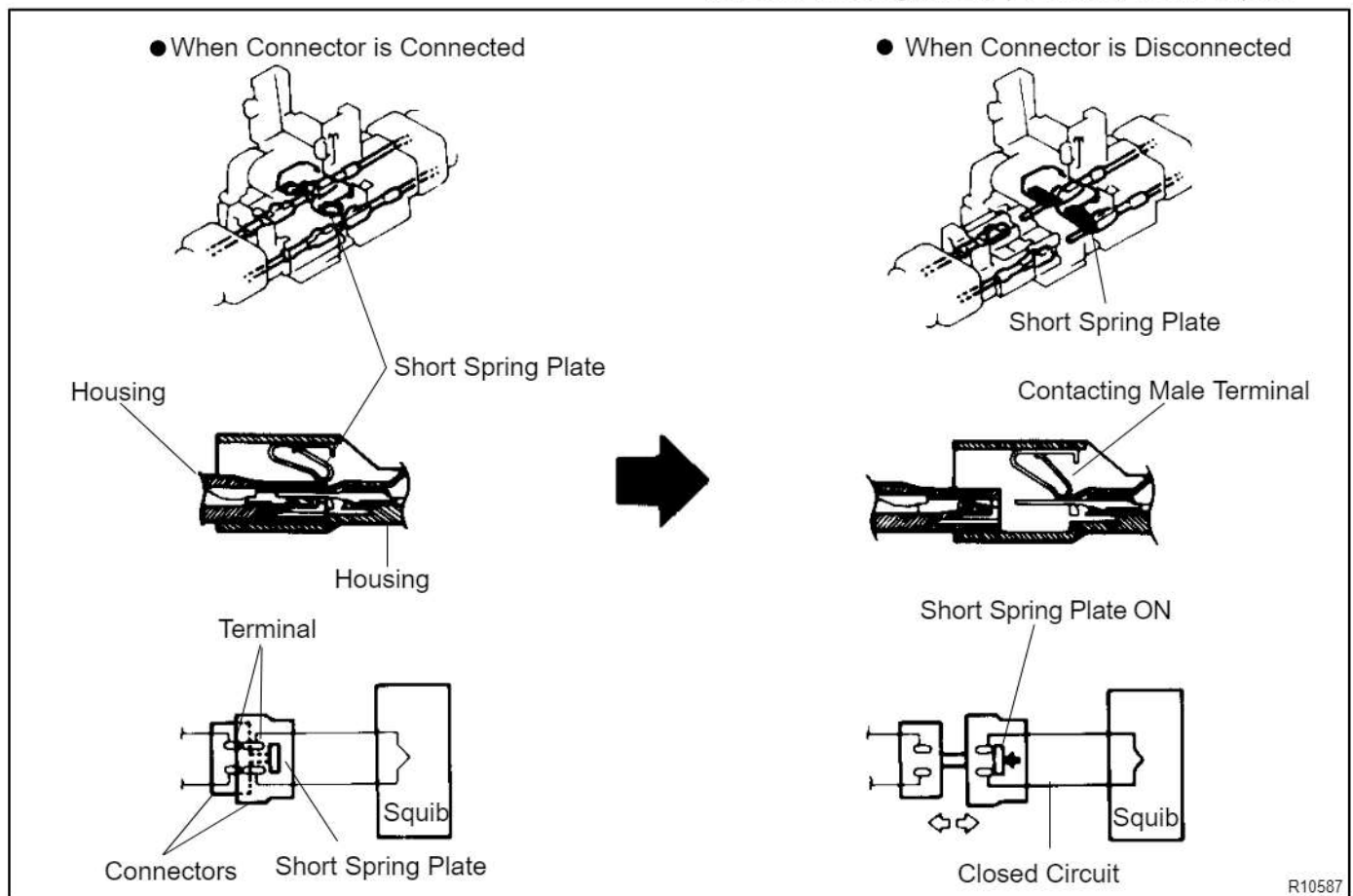
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No.	Connector Type	Application
(1)	Terminal Twin-Lock Mechanism	Connectors 2, 4, 6, 8, 10, 14, 15, 16, 18, 20, 21, 22, 23, 29, 30, 33, 34
(2)	Activation Prevention Mechanism	Connectors 2, 4, 16, 22, 24, 26, 28, 30, 32, 33, 34
(3)	Half Connection Prevention Mechanism	Connectors 6, 8, 10, 16, 21, 23, 29, 33
(4)	Connector Lock Mechanism (1)	Connectors 25, 27, 31
(5)	Connector Lock Mechanism (2)	Connectors 2, 4
(6)	Improper Connection Prevention Lock Mechanism	Connectors 1, 3

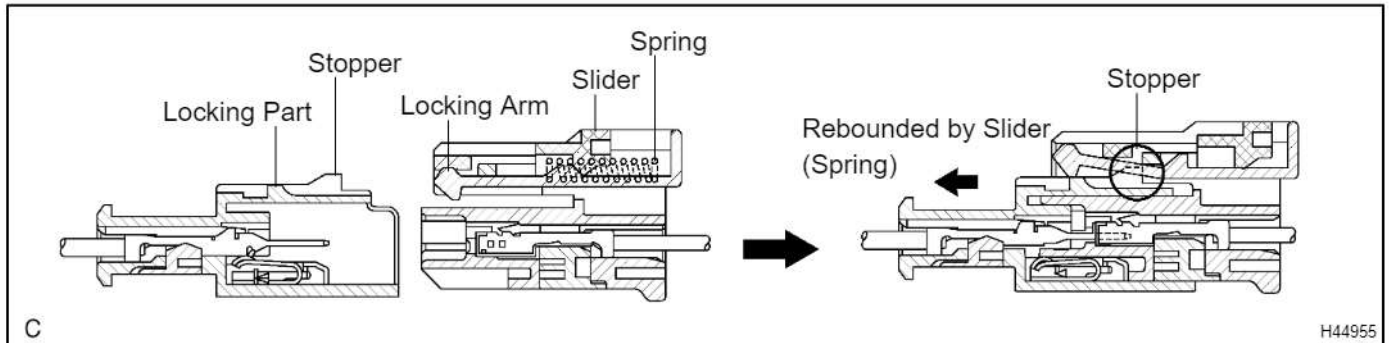
- (a) All connectors in the SRS are colored yellow to distinguish them from other connectors, except seat position airbag sensor connector and occupant classification ECU connector. Some connectors have special functions, and are specially designed for the SRS. These connectors use durable gold-plated terminals, and are placed in the locations shown on the previous page to ensure high reliability.



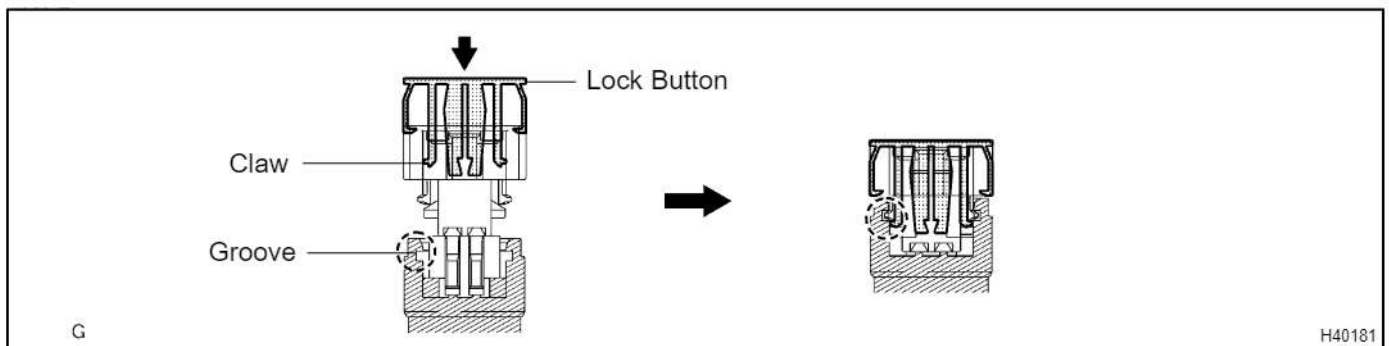
- (1) Terminal twin-lock mechanism:
Each connector has a two-piece component consisting of a housing and a spacer. This design enables the terminal to be locked securely by two locking devices (the retainer and the lance) to prevent terminals from coming out.
- (2) Activation prevention mechanism:
Each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



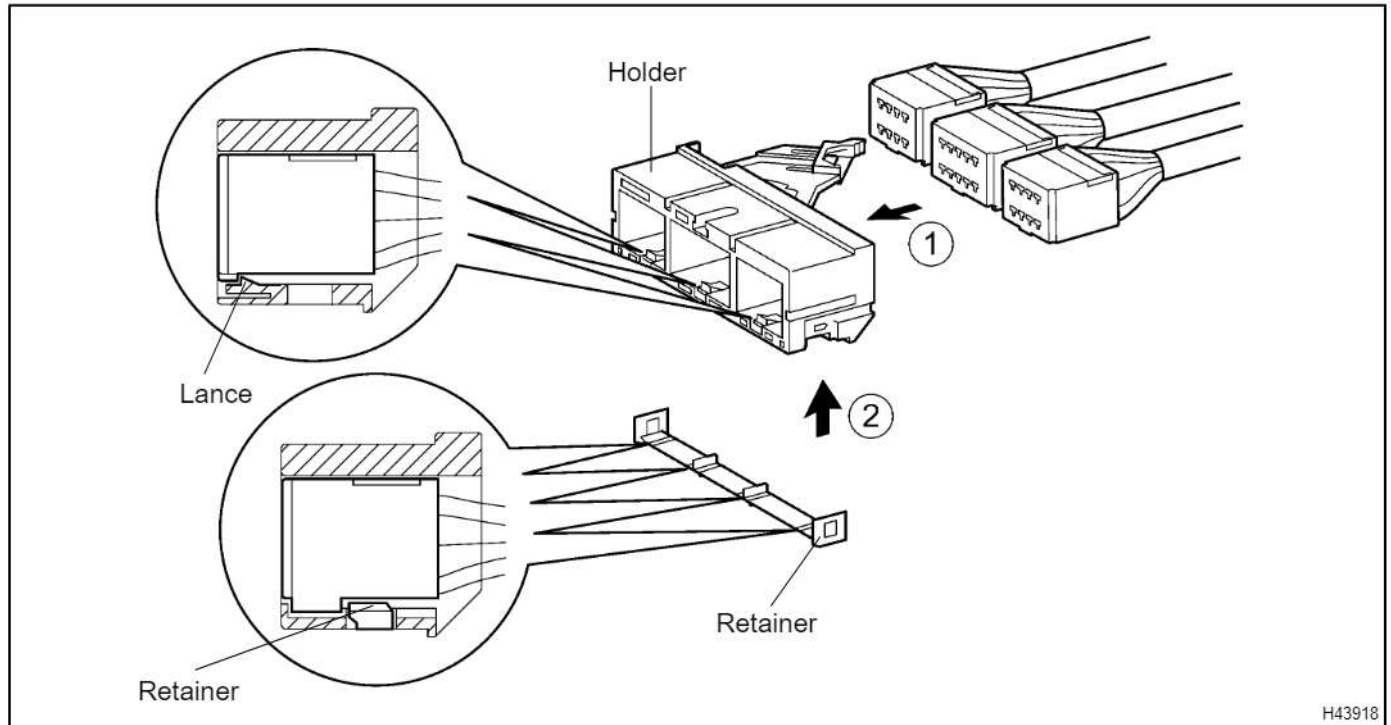
- (3) Half connection prevention mechanism:
If the connector is not completely connected, the connector is disconnected due to the spring operation so that no continuity exists.



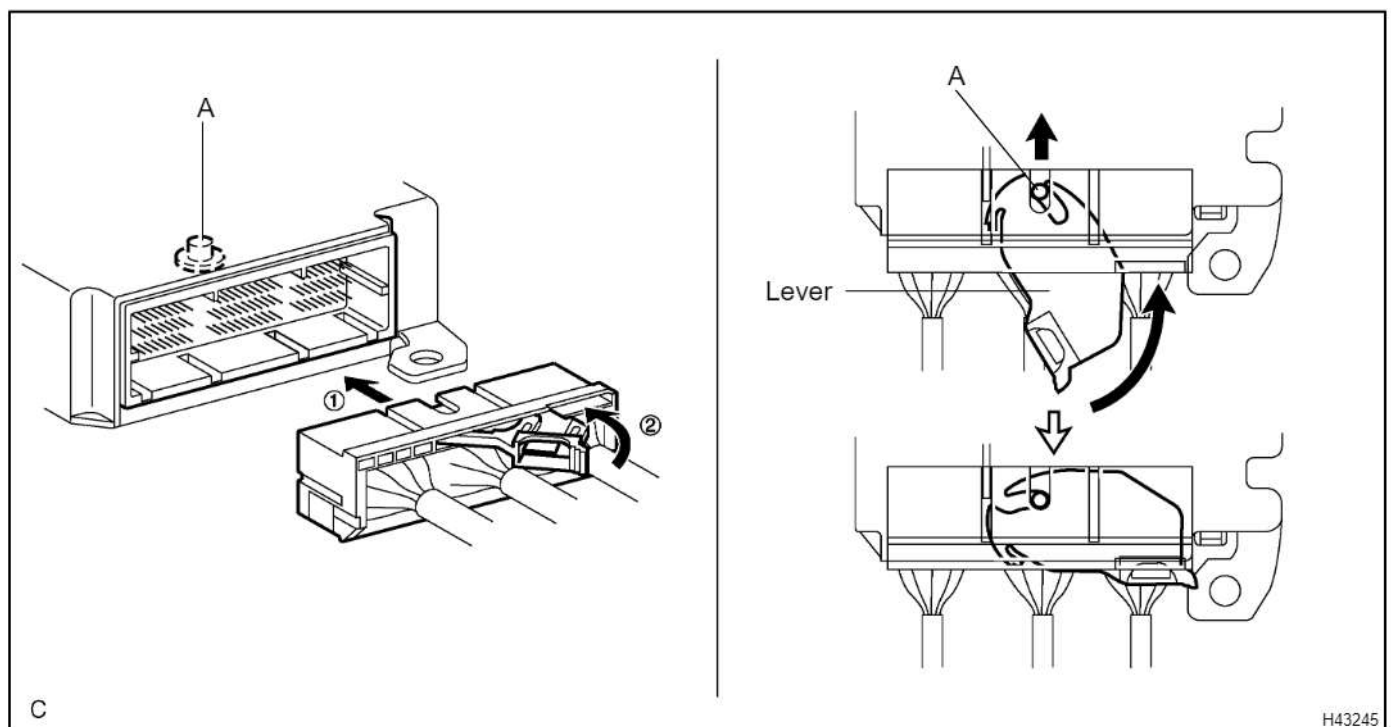
- (4) Connector lock mechanism (1):
Locking the connector lock button connects the connector securely.



- (5) Connector lock mechanism (2):
Both the primary lock with holder lances and the secondary lock with retainer prevent the connectors from becoming disconnected.

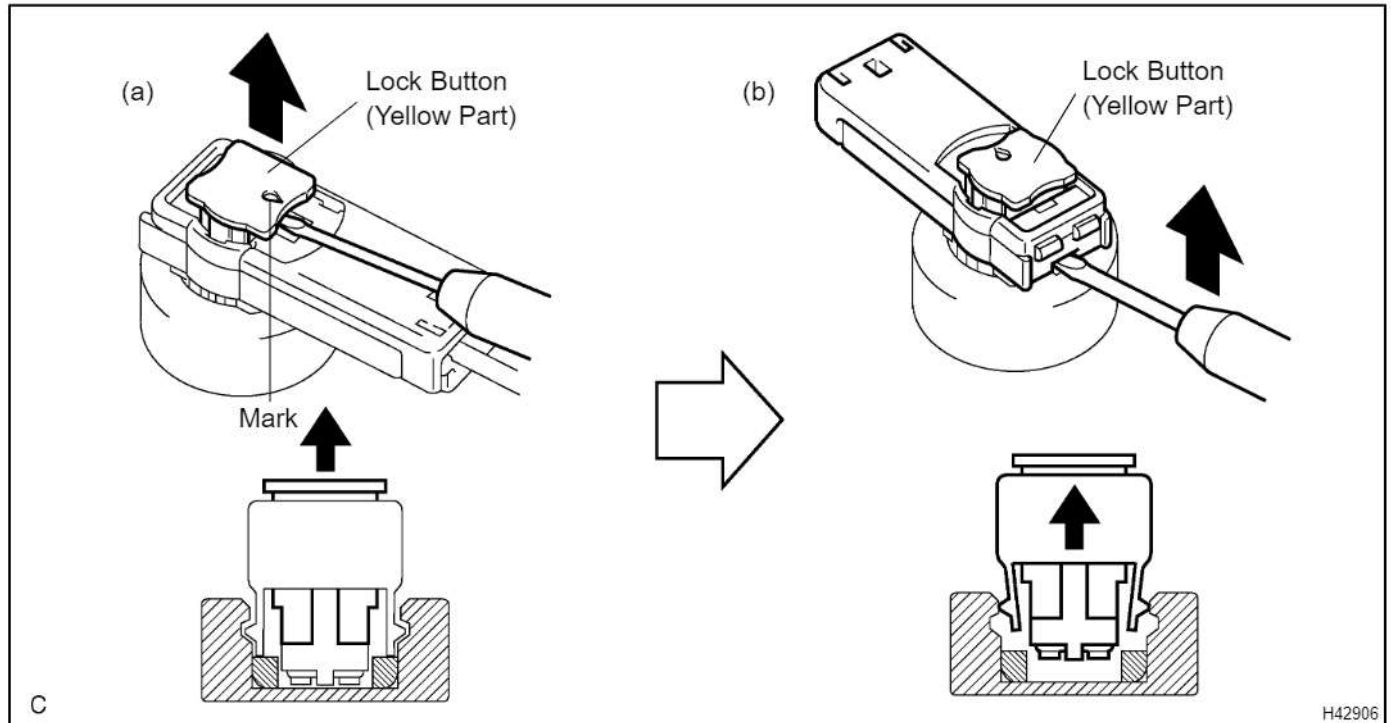


- (6) Improper connection prevention lock mechanism:
When connecting the holder, the lever is pushed into the end by rotating around the A axis to lock the holder securely.



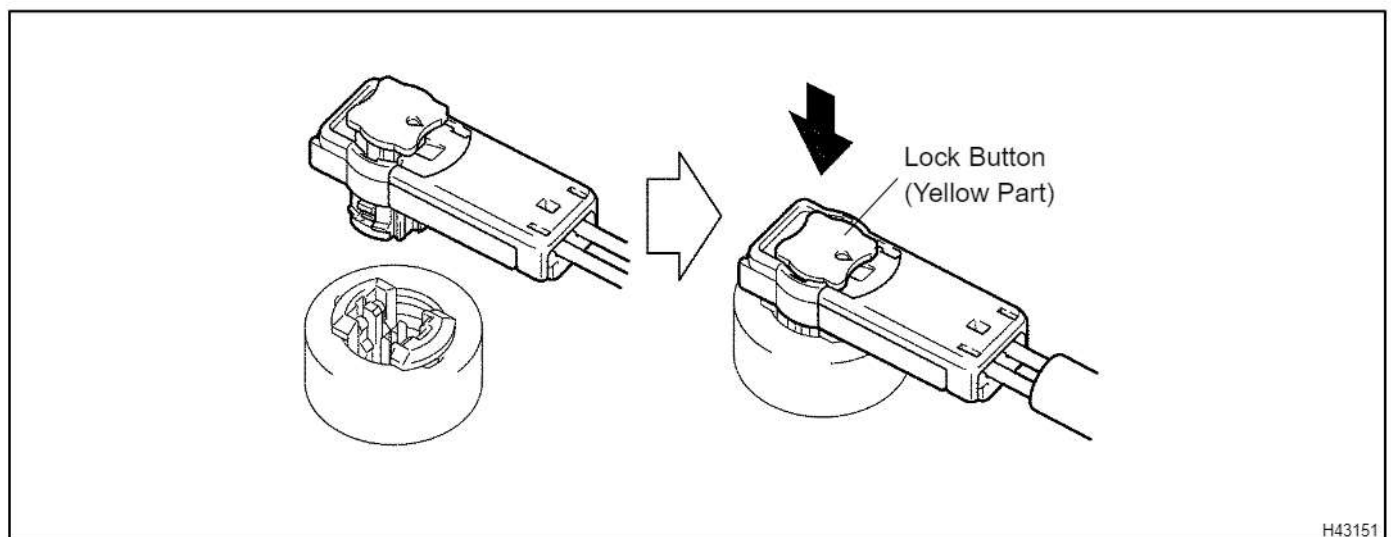
3. DISCONNECTION OF CONNECTORS FOR CURTAIN SHIELD AIRBAG ASSY (TMC MADE), HORN BUTTON ASSY AND FRONT PASSENGER AIRBAG ASSY

- (a) Release the lock button (yellow part) of the connector using a screwdriver.
- (b) Insert the screwdriver tip between the connector and the base, and then raise the connector.



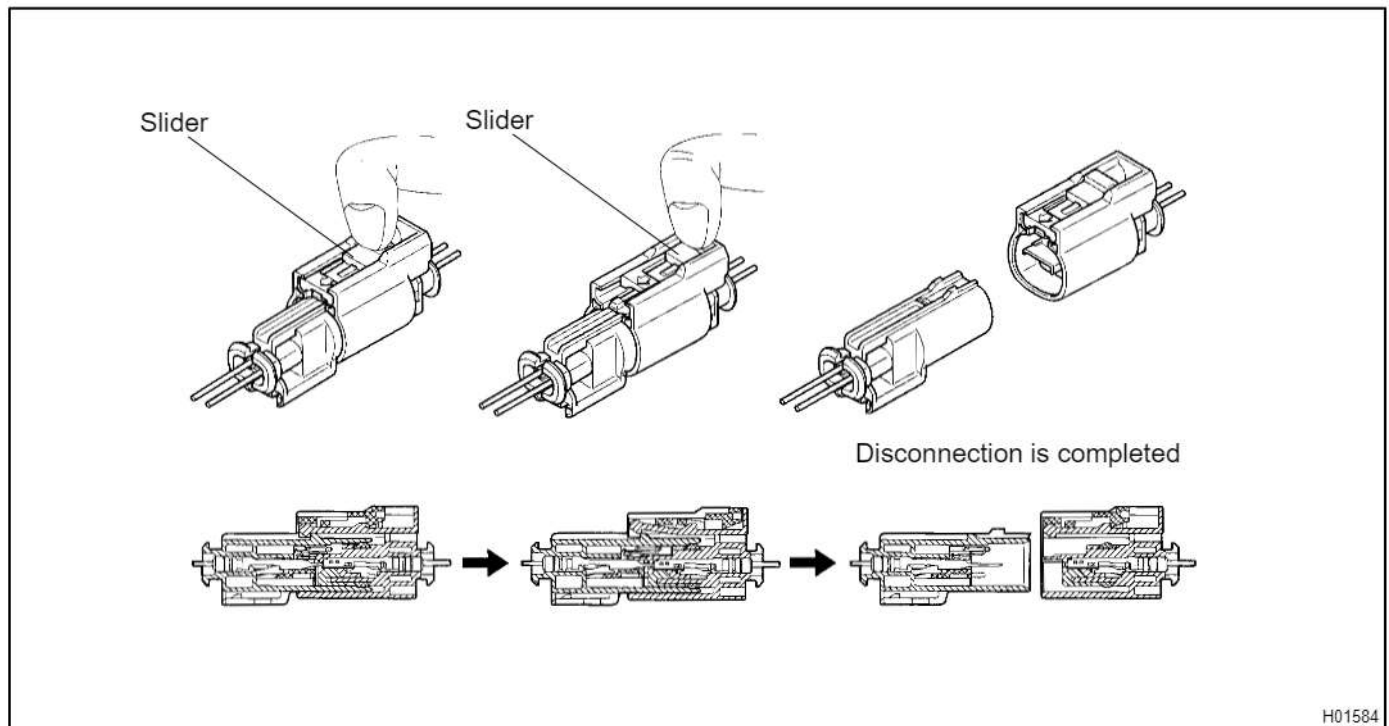
4. CONNECTION OF CONNECTORS FOR CURTAIN SHIELD AIRBAG ASSY (TMC MADE), HORN BUTTON ASSY AND FRONT PASSENGER AIRBAG ASSY

- (a) Connect the connector.
- (b) Push down securely on the lock button (yellow part) of the connector. (When locking, a click sound can be heard.)



5. DISCONNECTION OF CONNECTOR FOR FRONT SEAT AIRBAG ASSY

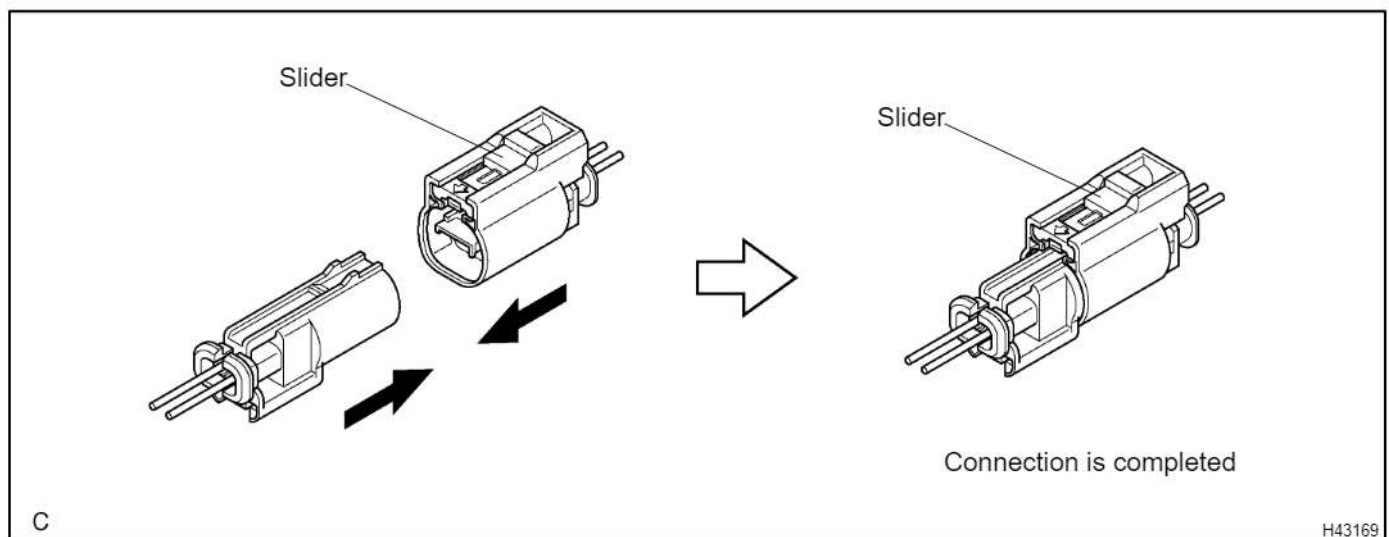
- (a) Place a finger on the slider, slide the slider to release the lock, and then disconnect the connector.

**6. CONNECTION OF CONNECTOR FOR FRONT SEAT AIRBAG ASSY**

- (a) Connect the connector as shown in the illustration. (When locking, make sure that the slider returns to its original position and a click sound can be heard.)

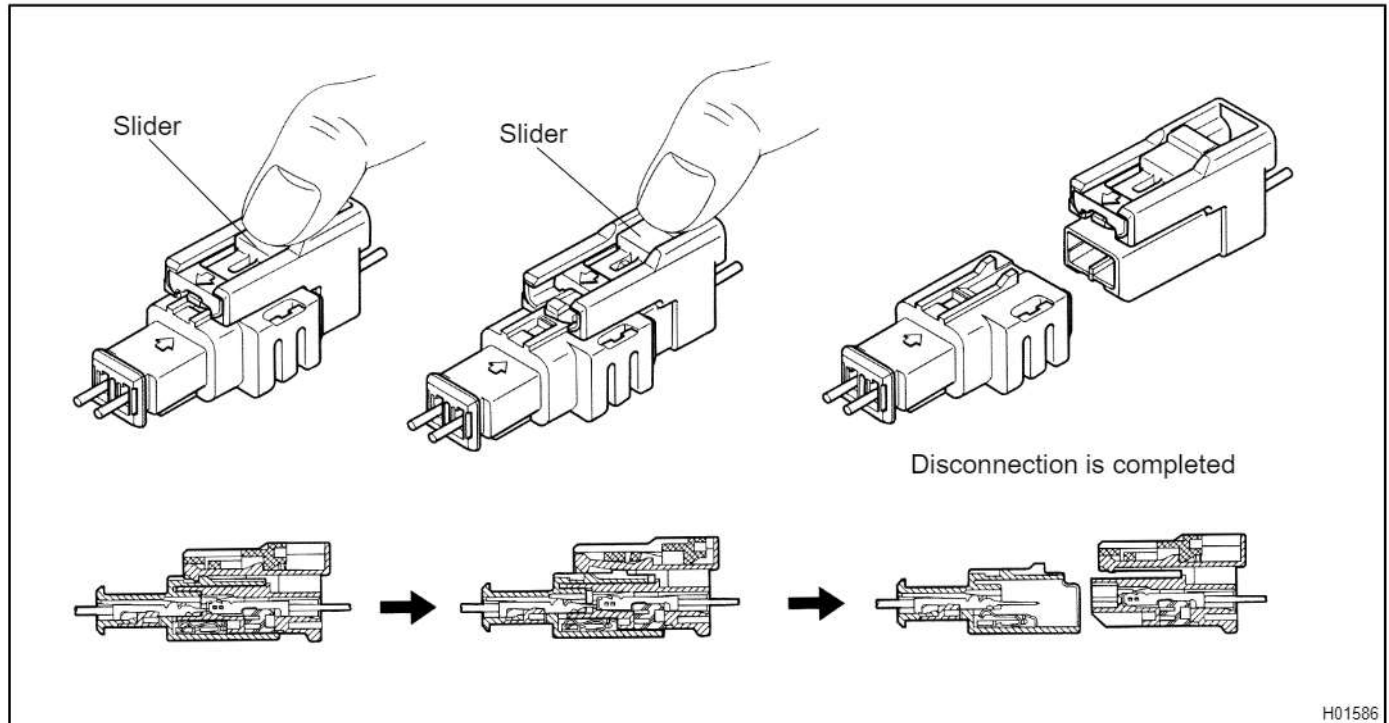
HINT:

When connecting, the slider will slide. Be sure not to touch the slider while connecting, as it may result in an insecure fit.



7. DISCONNECTION OF CONNECTOR FOR CURTAIN SHIELD AIRBAG ASSY (TMMK MADE)

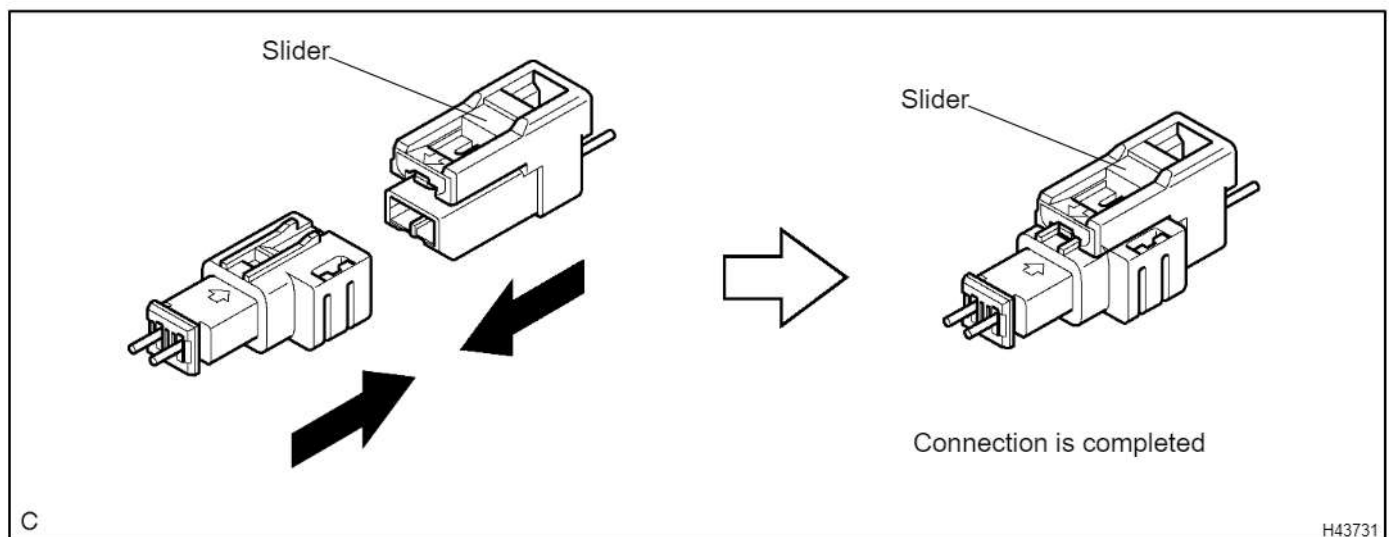
- (a) Place a finger on the slider, slide the slider to release the lock, and then disconnect the connector.

**8. CONNECTION OF CONNECTOR FOR CURTAIN SHIELD AIRBAG ASSY (TMMK MADE)**

- (a) Connect the connector as shown in the illustration. (When locking, make sure that the slider returns to its original position and a click sound can be heard.)

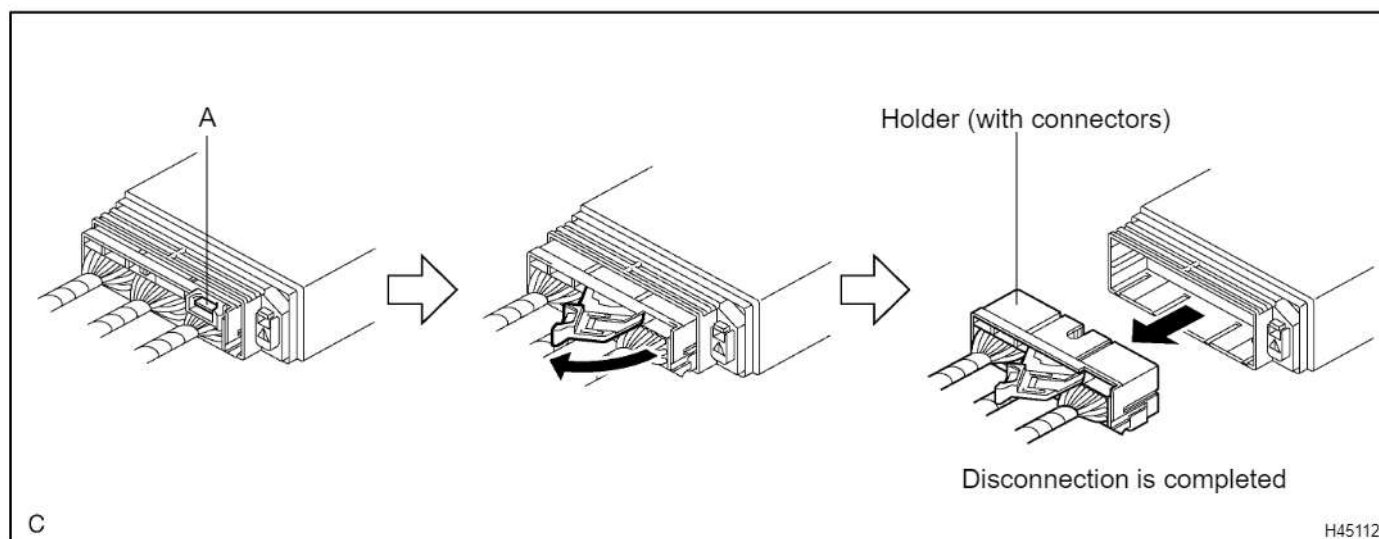
HINT:

When connecting, the slider will slide. Be sure not to touch the slider while connecting, as it may result in an insecure fit.



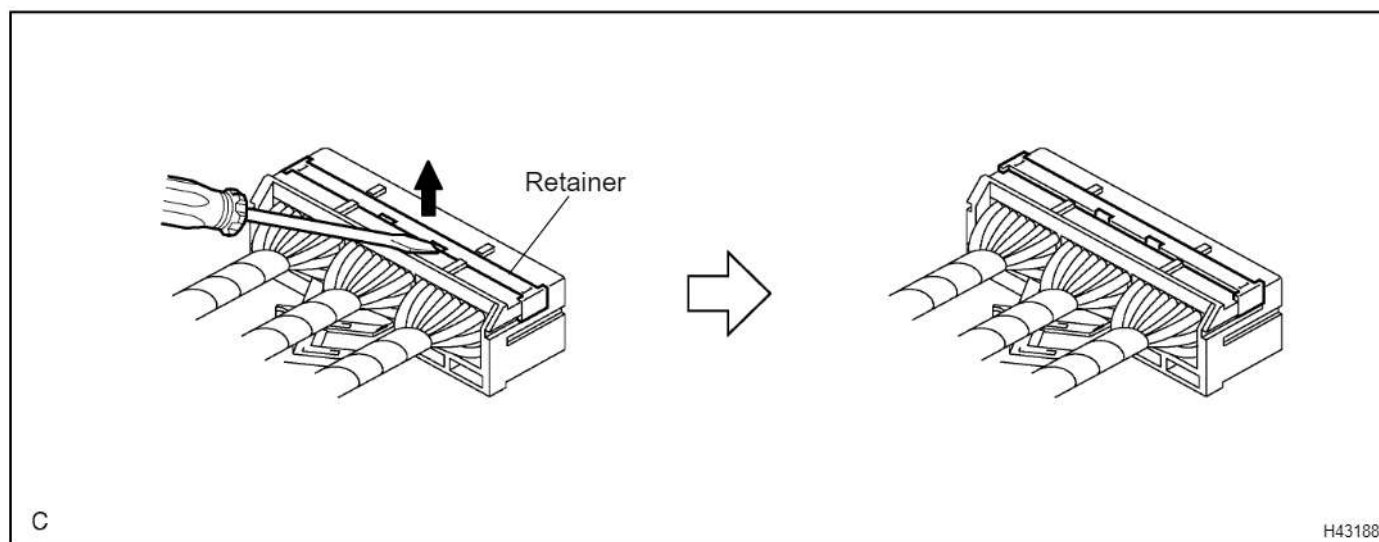
9. DISCONNECTION OF CONNECTOR FOR AIRBAG SENSOR ASSY CENTER

- (a) Pull the lever by pushing part A as shown in the illustration and disconnect the holder (with connectors).

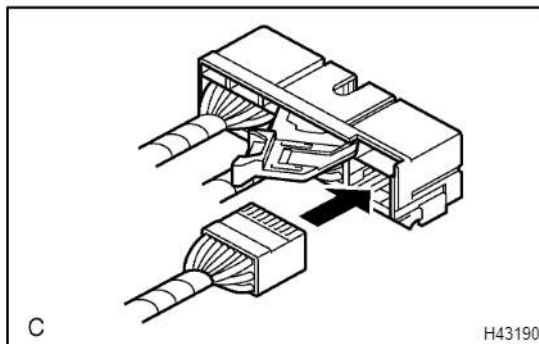
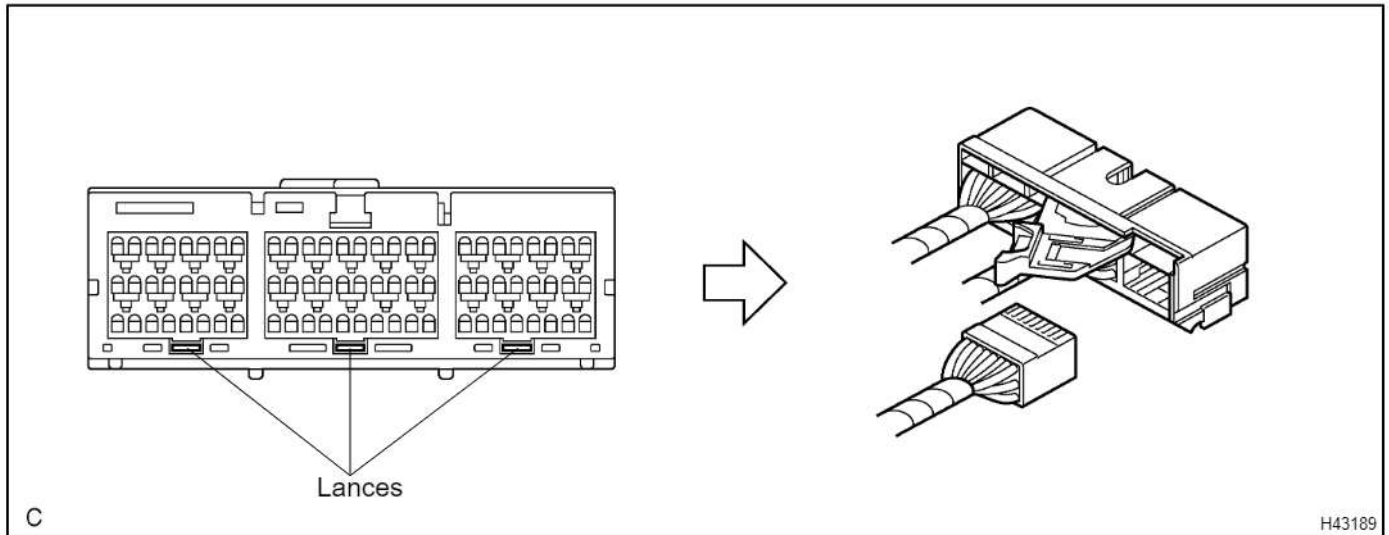
**HINT:**

Perform the following procedures when replacing the holder.

- (b) Remove the holder.
- (1) Using a screwdriver, unlock the retainer.



- (2) Release the lances and remove the holder.



- (c) Install the holder.
- (1) Install the connectors to the holder. (When locking, a click sound can be heard.)

HINT:

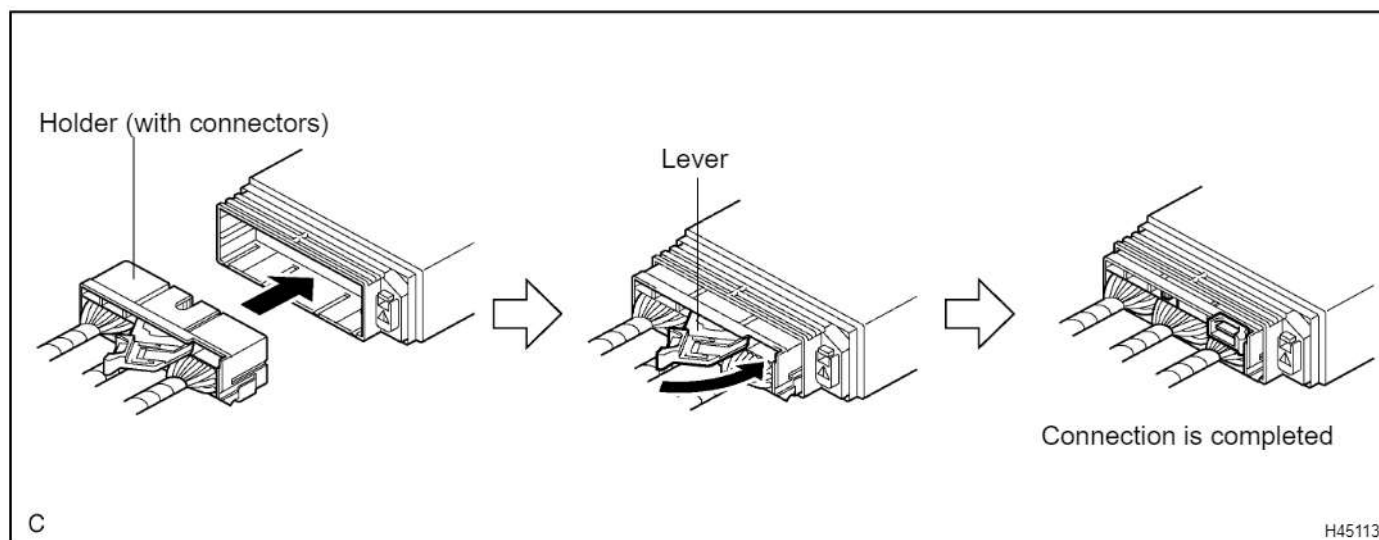
The retainer is locked when the holder is connected.

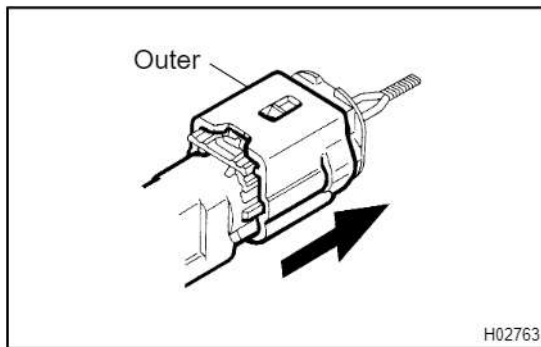
10. CONNECTION OF CONNECTOR FOR AIRBAG SENSOR ASSY CENTER

- (a) Firmly insert the holder (with connectors) until it can not be pushed any further.
- (b) Push the lever to connect the holder (with connectors). (When locking, a click sound can be heard.)

HINT:

The holder slides when connecting. Be sure not to hold the holder while connecting, as it may result in an insecure fit.



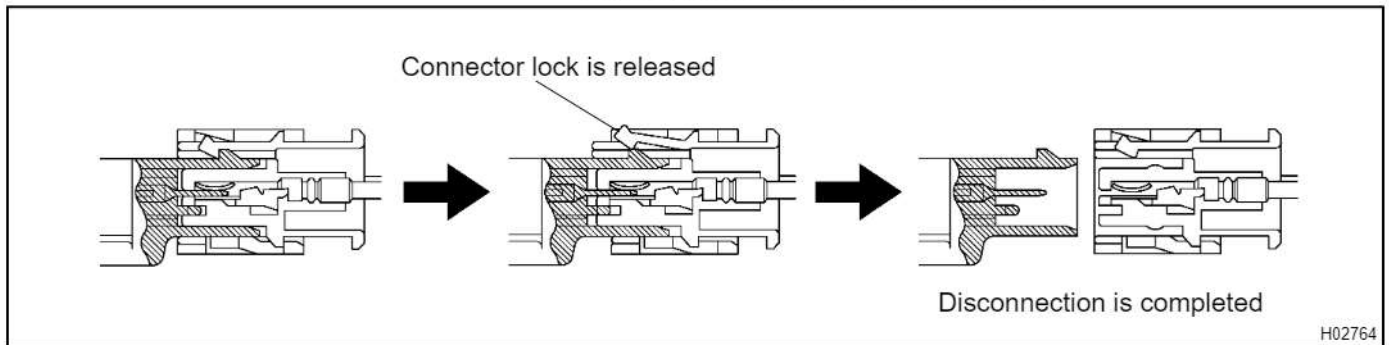


11. DISCONNECTION OF CONNECTORS FOR AIRBAG FRONT SENSOR, SIDE AIRBAG SENSOR AND AIRBAG SENSOR REAR

- (a) While holding both outer flank sides, slide the outer in the direction shown by the arrow.
- (b) When the connector lock is released, the connectors are disconnected.

HINT:

Be sure to hold both outer flank sides. Holding the top and bottom will make disconnection difficult.

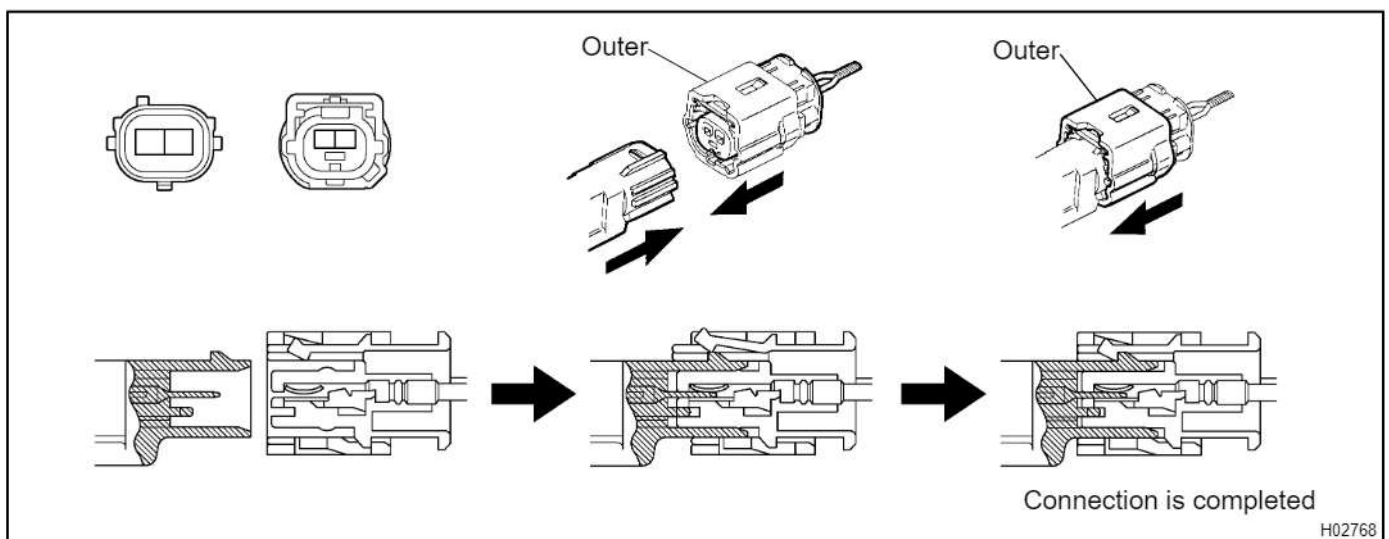


12. CONNECTION OF CONNECTORS FOR AIRBAG FRONT SENSOR, SIDE AIRBAG SENSOR AND AIRBAG SENSOR REAR

- (a) Connect the connector as shown in the illustration. (When locking, make sure that the outer returns to its original position and a click sound can be heard.)

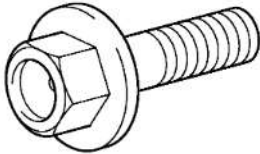
HINT:

When connecting the outer slides. Be sure not to hold the outer while connecting, as it may result in an insecure fit.



13. NOTICE REGARDING AIRBAG SENSOR INSTALLATION BOLT

- (a) As the tightening torque is different depending on the property class of the airbag sensor installation bolt, choose a bolt referring to the following illustration and tighten it with the specified tightening torque written in the repair manual.

	PROPERTY CLASS	6T	8T
	Deep Recess Bolt		

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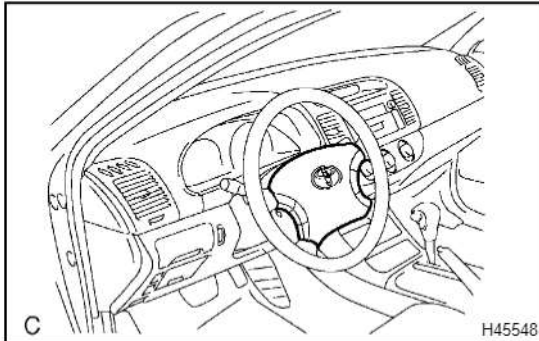
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ON-VEHICLE INSPECTION

CAUTION:

Be sure to perform the initialization of the occupant classification ECU under the conditions listed below (See page 05-1452). If the initialization is not performed, the SRS may not operate properly.

- The occupant classification ECU is replaced.
- Accessories (seatback tray or seat cover, etc.) are installed to the vehicle.
- The passenger seat is removed from the vehicle.
- Both the SRS warning light and passenger airbag ON/OFF indicator light ("OFF") come on.
- The vehicle is brought to the workshop for repair purpose due to an accident or collision.



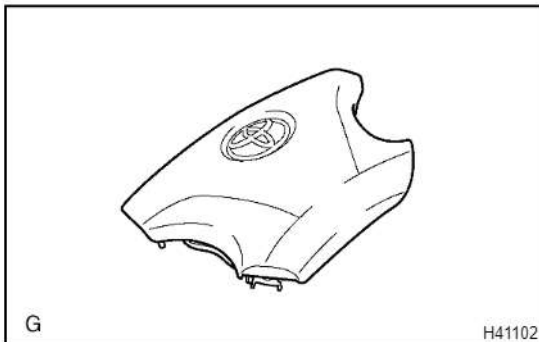
1. HORN BUTTON ASSY (VEHICLE NOT INVOLVED IN COLLISION)

HINT:

There are two types of horn button assy:

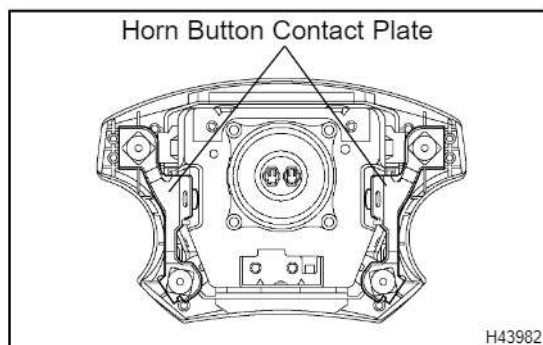
One is used with 3-spoke steering wheel assy and the other is used with 4-spoke steering wheel assy.

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) With the horn button assy installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the horn button assy with a new one:
Cuts, minute cracks or marked discoloration on the horn button assy top surface or in the grooved portion.

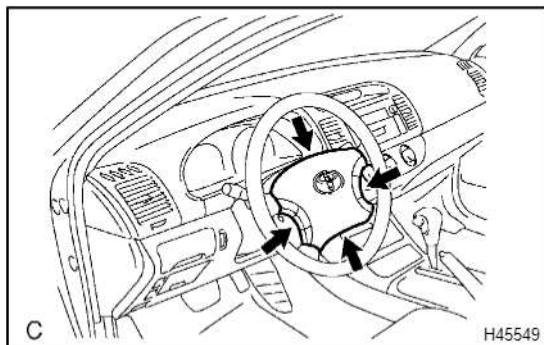


2. HORN BUTTON ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) With the horn button assy removed from the vehicle, perform a visual check. If there are any defects as mentioned below, replace the horn button assy or steering wheel assy with a new one:
 - Cuts, minute cracks or marked discoloration on the horn button assy top surface or in the grooved portion.
 - Cracks or other damage to the connector.
 - Deformation of the steering wheel assy.



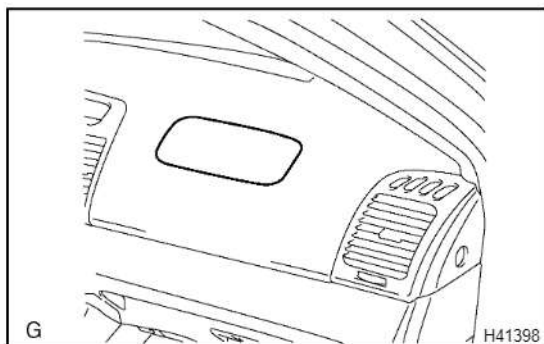
- Deformation of the horn button contact plate of the horn button assy.



- There should be no interference between the horn button assy and steering wheel assy, and the clearance should be uniform all the way around when the new horn button assy is installed on the steering wheel assy.

CAUTION:

For removal and installation procedures of the horn button assy, see page 60-25, and be sure to follow the correct procedure.



3. FRONT PASSENGER AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

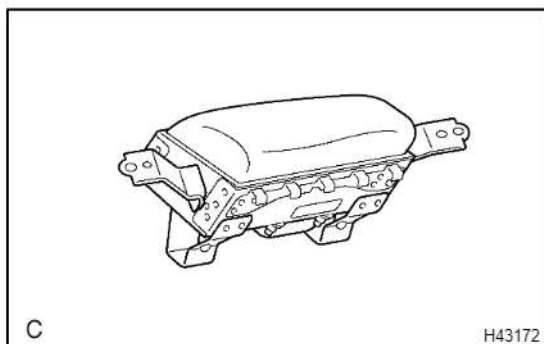
- Perform a diagnostic system check (see page 05-1464).
- With the front passenger airbag assy installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the instrument panel with a new one:

Cuts, minute cracks or marked discoloration on the instrument panel around the doorless instrument panel passenger airbag assy.

4. FRONT PASSENGER AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- Perform a diagnostic system check (see page 05-1464).
- With the front passenger airbag assy removed from the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front passenger airbag assy, instrument panel or instrument panel reinforcement with a new one:

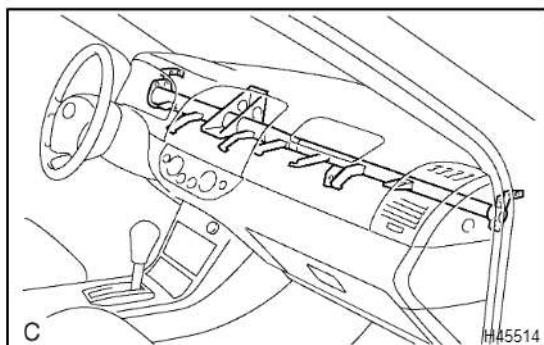
- Cuts, minute cracks or marked discoloration on the front passenger airbag assy.
- Cracks or other damage to the connectors.

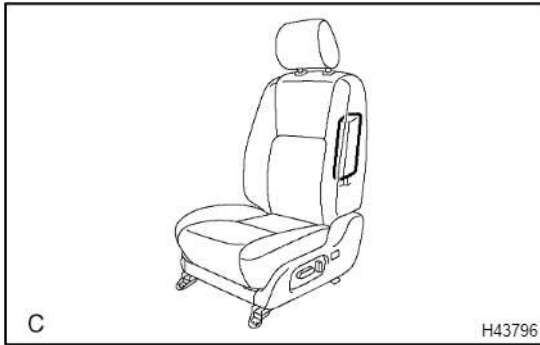


- Deformation or cracks on the instrument panel or instrument panel reinforcement.

CAUTION:

For removal and installation procedures of the front passenger airbag assy, see page 60-37, and be sure to follow the correct procedure.

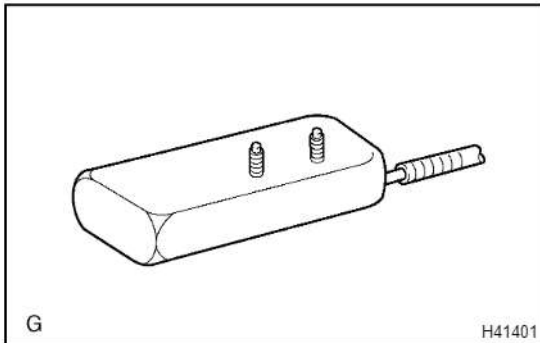




5. FRONT SEAT AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) With the front seat airbag assy installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front seatback assy with a new one:

Cuts, minute cracks or marked discoloration on the front seatback assy around the front seat airbag assy.



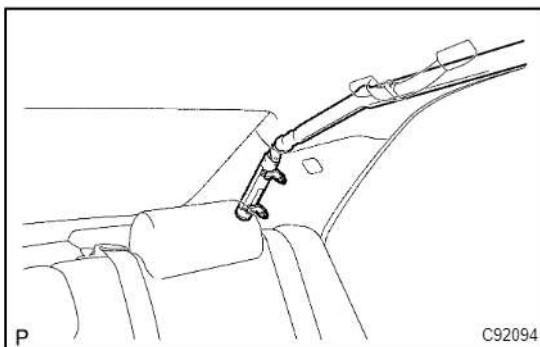
6. FRONT SEAT AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) With the front seat airbag assy removed from the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front seat airbag assy with a new one:

- Cuts, minute cracks or marked discoloration on the front seat airbag assy.
- Cracks or other damage to the wire harness or connector.

CAUTION:

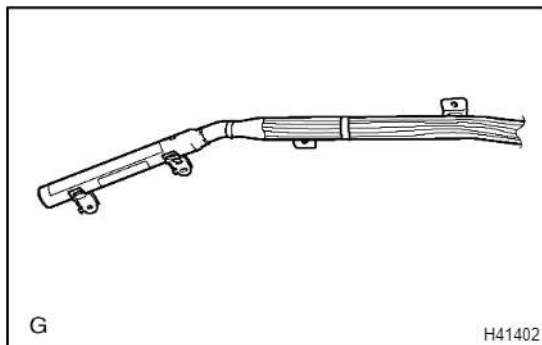
For removal and installation procedures of the front seat airbag assy, see page 72-23 (power seat type) or see page 72-15 (manual seat type), and be sure to follow the correct procedure.



7. CURTAIN SHIELD AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) With the curtain shield airbag assy installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the front pillar garnish or roof headlining assy with a new one:

Cuts, minute cracks or marked discoloration on the front pillar garnish or roof headlining assy around the curtain shield airbag assy.



8. CURTAIN SHIELD AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page [05-1464](#)).
- (b) With the curtain shield airbag assy removed from the vehicle, perform a visual check. If there are any defects as mentioned below, replace the curtain shield airbag assy with a new one:
 - Cuts, minute cracks or marked discoloration on the curtain shield airbag assy.
 - Cracks or other damage to the connector.

CAUTION:

For removal and installation procedures of the curtain shield airbag assy, see page [60-46](#), and be sure to follow the correct procedure.

9. AIRBAG SENSOR ASSY CENTER (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

10. AIRBAG SENSOR ASSY CENTER (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

11. AIRBAG SENSOR ASSY CENTER (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the airbag sensor assy center (see page [60-59](#)).

CAUTION:

For removal and installation procedures of the airbag sensor assy center, see page [60-59](#), and be sure to follow the correct procedure.

HINT:

The airbag sensor assy center should be replaced after any of the airbags has deployed, as it has been subjected to the impact.

12. AIRBAG FRONT SENSOR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

13. AIRBAG FRONT SENSOR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page [05-1464](#)).
- (b) When the front bumper of the vehicle or its periphery is damaged, check if there is any damage to the airbag sensor front. If any of the airbag sensor front have defects as mentioned below, replace it with a new one:
 - Cracks, dents or chips in the case.
 - Cracks or other damage to the connector.
 - Peeling off of the label or damage to the serial number.

CAUTION:

For removal and installation procedures of the airbag sensor front, see page [60-63](#), and be sure to follow the correct procedure.

14. AIRBAG FRONT SENSOR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the airbag front sensor (see page 60-61).

CAUTION:

For removal and installation procedures of the airbag sensor front, see page 60-63, and be sure to follow the correct procedure.

HINT:

The airbag sensor front on the impacted side should be replaced after the horn button assy or front passenger airbag assy has deployed.

15. SIDE AIRBAG SENSOR ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page 05-1464).

16. SIDE AIRBAG SENSOR ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) When the center pillar of the vehicle or its periphery is damaged, check if there is any damage to the side airbag sensor assy. If there are any defects as mentioned below, replace the side airbag sensor assy with a new one:
- Cracks, dents or chips in the case.
 - Cracks or other damage to the connector.
 - Peeling off of the label or damage to the serial number.

CAUTION:

For removal and installation procedures of the side airbag sensor assy, see page 60-65, and be sure to follow the correct procedure.

17. SIDE AIRBAG SENSOR ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the side airbag sensor assy (see page 60-65).

CAUTION:

For removal and installation procedures of the side airbag sensor assy, see page 60-65, and be sure to follow the correct procedure.

HINT:

The side airbag sensor assy on the impacted side should be replaced after the front seat airbag assy and curtain shield airbag assy have deployed.

18. AIRBAG SENSOR REAR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page 05-1464).

19. AIRBAG SENSOR REAR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Perform a diagnostic system check (see page 05-1464).
- (b) When the quarter panel of the vehicle or its periphery is damaged, check if there is any damage to the airbag sensor rear. If there are any defects as mentioned below, replace the airbag sensor rear with a new one:
- Cracks, dents or chips in the case.
 - Cracks or other damage to the connector.
 - Peeling off of the label or damage to the serial number.

CAUTION:

For removal and installation procedures of the airbag sensor rear, see page 60-67, and be sure to follow the correct procedure.

20. AIRBAG SENSOR REAR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the airbag sensor rear (see page 60-67).

CAUTION:

For removal and installation procedures of the airbag sensor rear, see page 60-67, and be sure to follow the correct procedure.

HINT:

The airbag sensor rear on the impacted side should be replaced after the curtain shield airbag assy has deployed.

21. SEAT POSITION AIRBAG SENSOR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

22. SEAT POSITION AIRBAG SENSOR (VEHICLE INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).
- (b) Even if the airbag was not deployed, perform a visual check for damage to the seat position airbag sensor including the following:
- Cracks, dents or chips in the case.
 - Cracks or other damage to the connector.

CAUTION:

For removal and installation procedures of the seat position airbag sensor, see page [60-69](#), and be sure to follow the correct procedure.

23. OCCUPANT CLASSIFICATION ECU (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

24. OCCUPANT CLASSIFICATION ECU (VEHICLE INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).
- (b) Even if the airbag was not deployed, perform a visual check for damage to the occupant classification ECU including the following:
- Cracks, dents or chips in the case.
 - Cracks or other damage to the connector.

CAUTION:

For removal and installation procedures of the occupant classification ECU, see page [60-72](#), and be sure to follow the correct procedure.

25. WIRE HARNESS AND CONNECTOR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).

26. WIRE HARNESS AND CONNECTOR (VEHICLE INVOLVED IN COLLISION)

- (a) Perform a diagnostic system check (see page [05-1464](#)).
- (b) Check for 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.

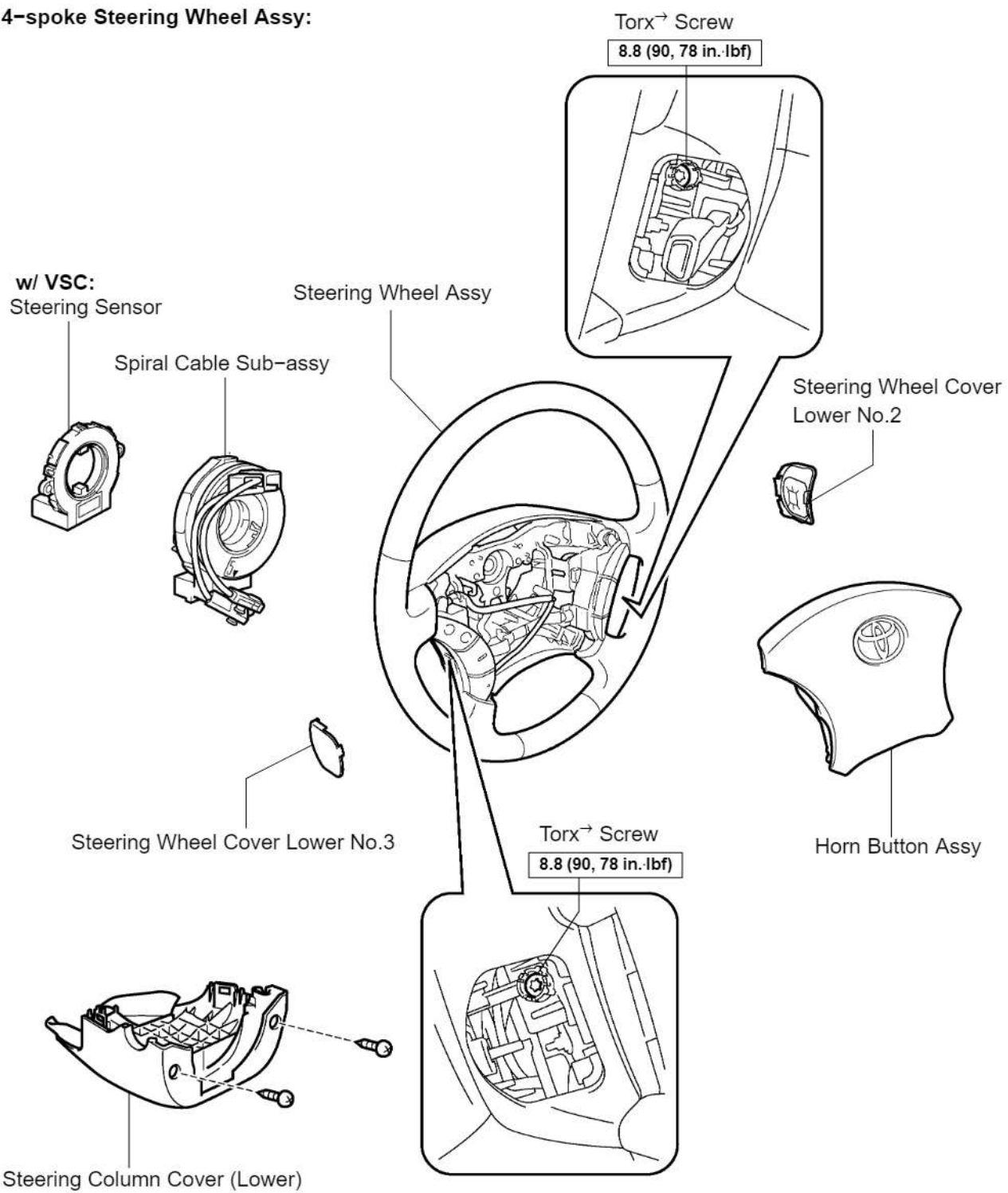
HINT:

The SRS wire harness is integrated with the engine room main wire, instrument panel wire, instrument panel wire No.2, floor wire, floor wire No.2, front seat LH wire (TMC made) and front seat RH wire.

HORN BUTTON ASSY COMPONENTS

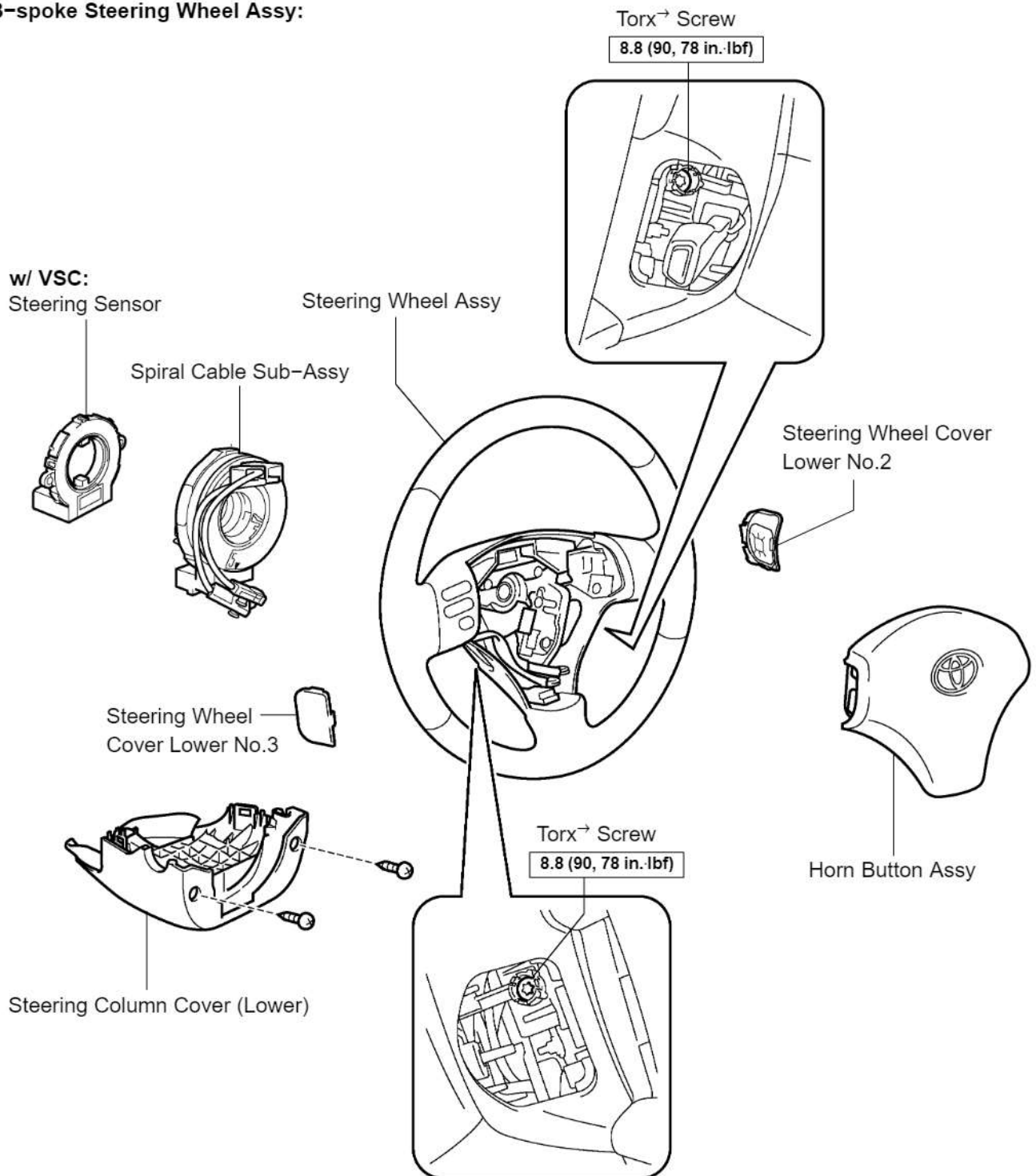
600Y3-01

4-spoke Steering Wheel Assy:



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

H45529

3-spoke Steering Wheel Assy:

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

H45530

REPLACEMENT

HINT:

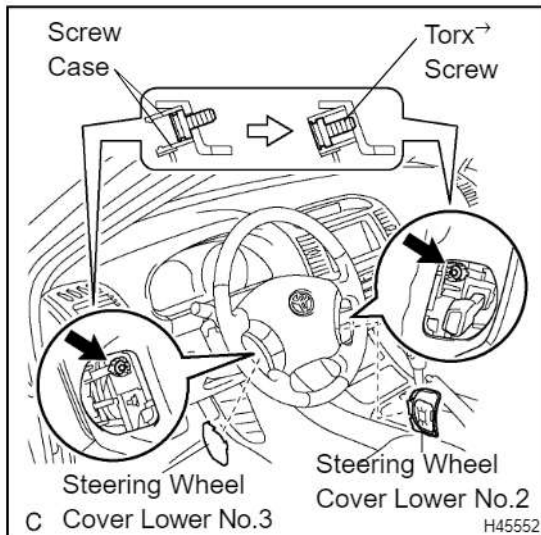
- Installation is in the reverse order of removal.
- There are two types of horn button assy:
One is used with 3-spoke steering wheel assy and the other is used with 4-spoke steering wheel assy.

1. PRECAUTION (See page 60-1)

2. DISCONNECT BATTERY NEGATIVE TERMINAL

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.



3. REMOVE STEERING WHEEL COVER LOWER NO.2

- (a) Using a screwdriver, remove the steering wheel cover lower No.2.

HINT:

Tape up the screwdriver tip before use.

4. REMOVE STEERING WHEEL COVER LOWER NO.3

- (a) Using a screwdriver, remove the steering wheel cover lower No.3.

HINT:

Tape up the screwdriver tip before use.

5. REMOVE HORN BUTTON ASSY

- (a) Place the front wheels facing straight ahead.
(b) Using a torx[→] socket wrench (T30), loosen the 2 torx[→] screws until the groove along the screw circumference catches on the screw case.
(c) Pull out the horn button assy from the steering wheel assy and support the horn button assy with one hand as shown in the illustration.

NOTICE:

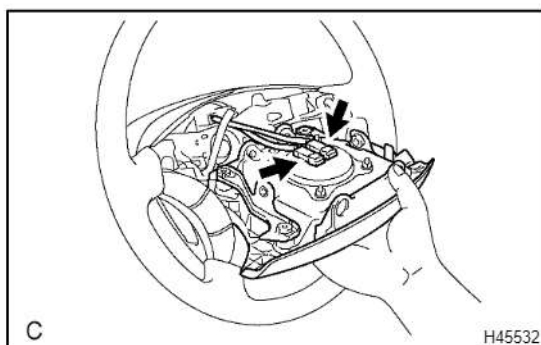
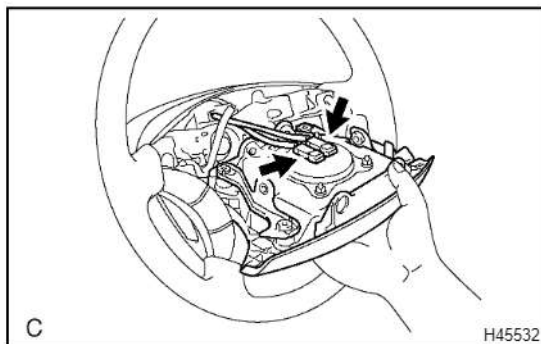
When removing the horn button assy, do not pull the airbag wire harness.

- (d) Disconnect the horn connector.
(e) Disconnect the connector from the horn button assy.

NOTICE:

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

- (f) Remove the horn button assy.



6. INSTALL HORN BUTTON ASSY

- (a) Support the horn button assy with one hand as shown in the illustration.
(b) Connect the connector to the horn button assy.

NOTICE:

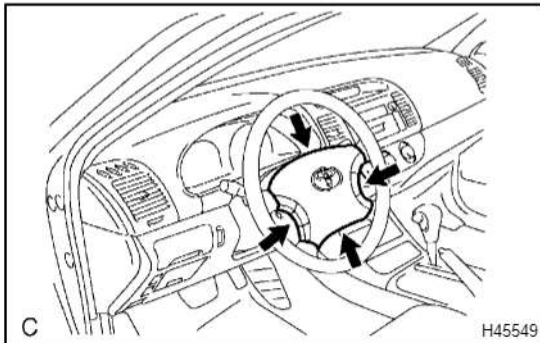
When handling the airbag connector, take care not to damage the airbag wire harness.

- (c) Connect the horn connector.

- (d) Confirm that the circumference groove of the torx[→] screw fits in the screw case, and place the horn button assy onto the steering wheel assy.
- (e) Using a torx[→] socket wrench (T30), tighten the 2 torx[→] screws.

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

7. CONNECT BATTERY NEGATIVE TERMINAL



8. INSPECT HORN BUTTON ASSY

- (a) With the horn button assy installed on the vehicle, perform a visual check. If there are any defects as mentioned below, replace the horn button assy with a new one:
Cuts, minute cracks or marked discoloration on the horn button assy top surface or in the grooved portion.
- (b) Make sure that the horn sounds.

HINT:

If the horn does not sound, inspect the horn system (see page 69-3).

9. INSPECT SRS WARNING LIGHT (See page 05-1456)

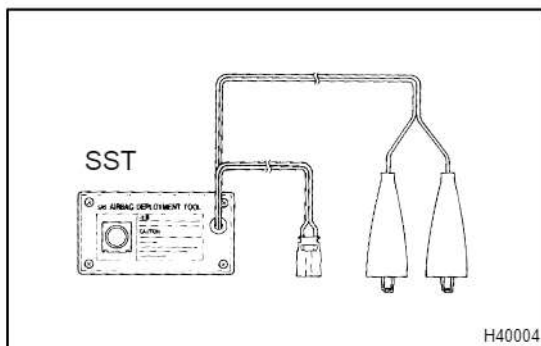
DISPOSAL

HINT:

- There are two types of horn button assy:
One is used with 3-spoke steering wheel assy and the other is used with 4-spoke steering wheel assy.
- The procedures listed below are for the 4-spoke steering wheel assy.
- When scrapping a vehicle equipped with the SRS or disposing of the horn button assy, be sure to deploy the airbag first 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 horn button assy which 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.

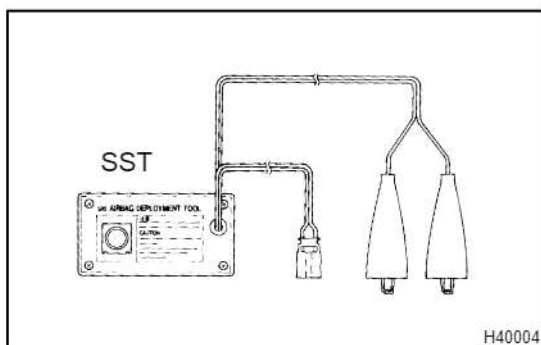


- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- When deploying an airbag, perform the operation at least 10 m (33 ft) away from the horn button assy.
- The horn button assy becomes extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a horn button assy with a deployed airbag.
- Do not apply water, etc. to a horn button assy with the deployed airbag.
- Always wash your hands with water after completing the operation.

1. DISPOSE OF HORN BUTTON ASSY (WHEN INSTALLED IN VEHICLE)

HINT:

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

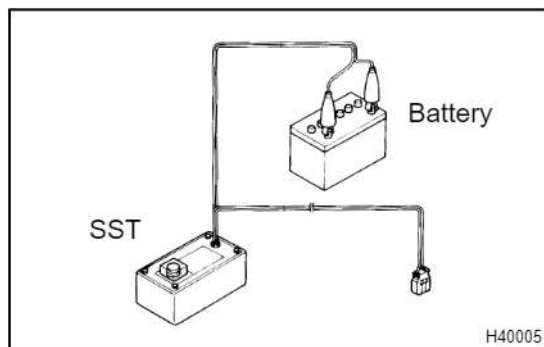


- (a) Check function of the SST.

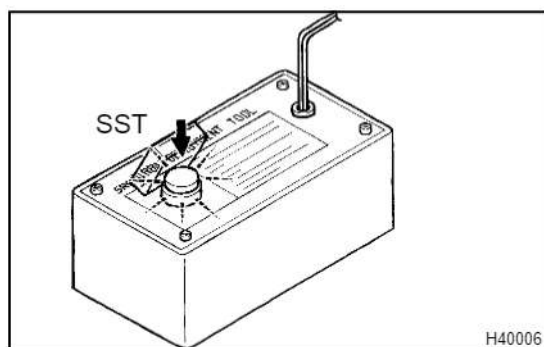
SST 09082-00700

CAUTION:

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



- (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.



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

CAUTION:

- Do not connect the SST connector (yellow colored one) to the airbag.
- If the LED comes on when the activation switch is not being pressed, SST malfunction is possible, so replace the SST with a new one.

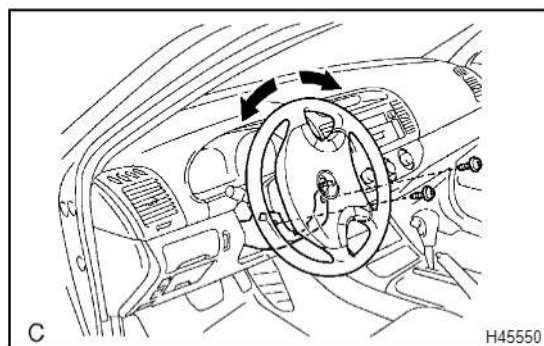
- (3) Disconnect the SST from the battery.

(b) Precaution (see page 60-1).

(c) Disconnect the battery negative terminal.

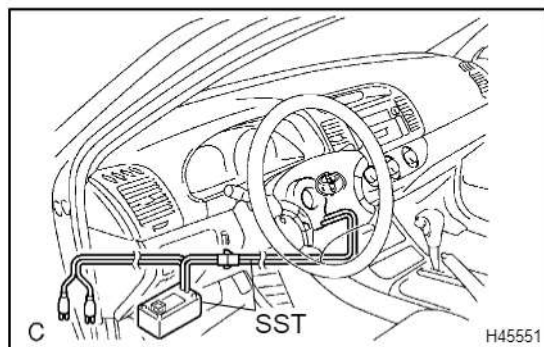
CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.



- (d) Remove the steering column cover (lower).

- (1) While turning the steering wheel assy to the right and left, remove the 2 screws and steering column cover (lower).



- (e) Install the SST.

CAUTION:

Check that there is no looseness in the steering wheel assy and horn button assy.

- (1) Disconnect the airbag connector (yellow colored one) from the spiral cable sub-assy.

NOTICE:

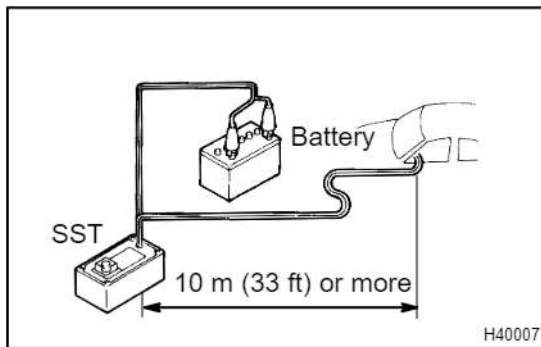
When handling the airbag connector, take care not to damage the airbag wire harness.

- (2) Connect the SST connector to the airbag connector of the spiral cable sub-assy.

SST 09082-00700, 09082-00780

NOTICE:

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



- (3) Move the SST at least 10 m (33 ft) away from the vehicle front side window.
- (4) Maintaining enough clearance for the SST wire harness in the front side window, close all doors and windows of the vehicle.

NOTICE:

Take care not to damage the SST wire harness.

- (5) Connect the red clip of the SST to the battery positive (+) terminal and the black clip of the SST to the negative (-) 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 horn button assy 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 horn button assy with a deployed airbag.
- Do not apply water, etc. to a horn button assy 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.

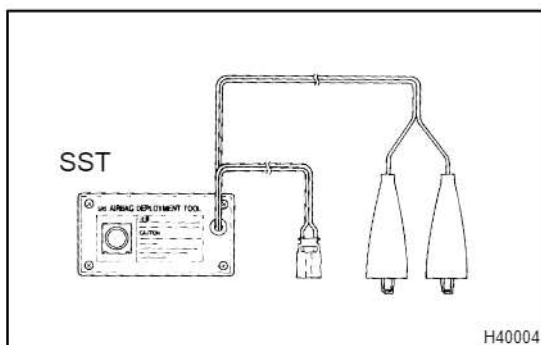
2. DISPOSE OF HORN BUTTON ASSY (WHEN NOT INSTALLED IN VEHICLE)

NOTICE:

- When disposing of the horn button assy, never use the customer's vehicle to deploy the airbag.
- Be sure to follow the procedure detailed below when deploying the airbag.

HINT:

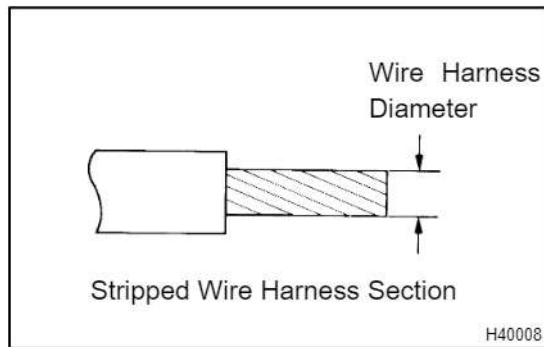
Prepare a battery as the power source to deploy the airbag.



- (a) Check the function of the SST (see step 1-(a)).
- (b) Remove the horn button assy (See page 60-25).

CAUTION:

- When removing the horn button assy, 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 horn button assy, keep the airbag deployment side facing upward.



- (c) Using a service-purpose wire harness for the vehicle, tie down the horn button assy to the disc wheel.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in.² or more)

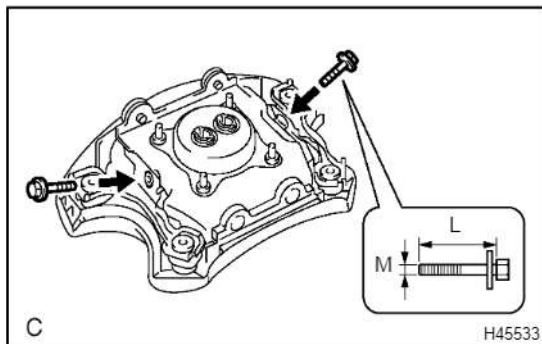
CAUTION:

If the wire harness is too thin or an alternative object is used to tie down the horn button assy, it may be snapped by the shock when the airbag is deployed. Always use a wire harness for vehicle use with an area of at least 1.25 mm² (0.0019 in.²).

HINT:

To calculate the area of the stripped wire harness section:

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



- (1) Install the 2 bolts with washers into the 2 bolt holes on the horn button assy.

Bolt:

L: 35.0 mm (1.387 in.)

M: 6.0 mm (0.236 in.)

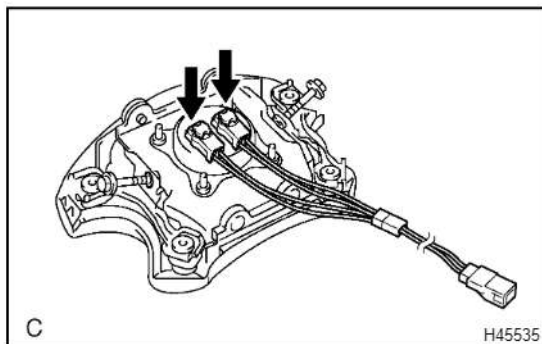
Pitch: 1.0 mm (0.039 in.)

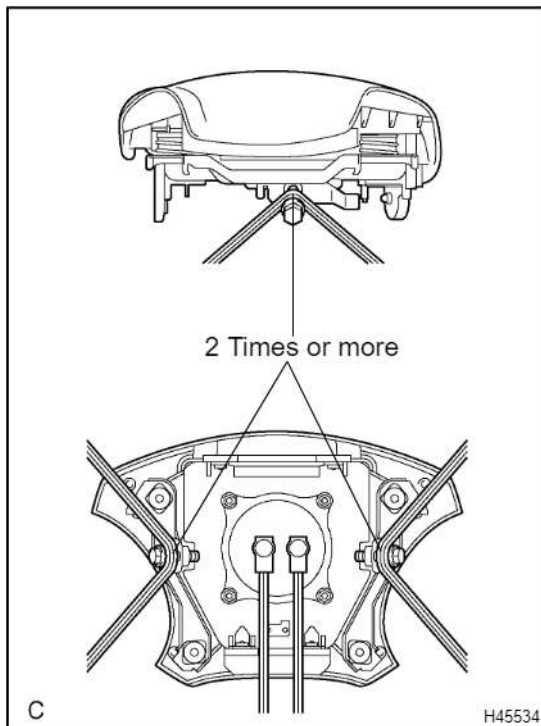
NOTICE:

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

- (2) After connecting the SST below to each other, connect them to the horn button assy.

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

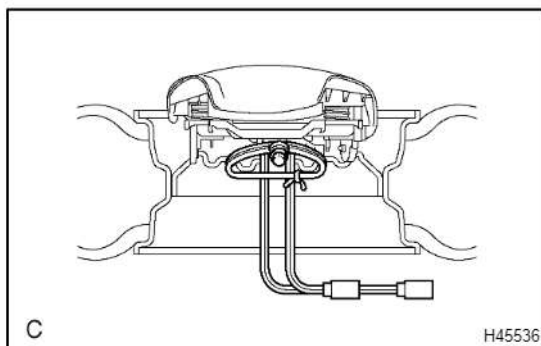




- (3) Using 3 wire harnesses, wind wire harness at least 2 times each around the bolts installed on the left and right sides of the horn button assy.

CAUTION:

- **Tightly wind the wire harness around the bolts so that there is no slack.**
- **Make sure that the wire harness is tight. If there is slack in wire harness, the horn button assy may become loose due to the shock when the airbag is deployed.**



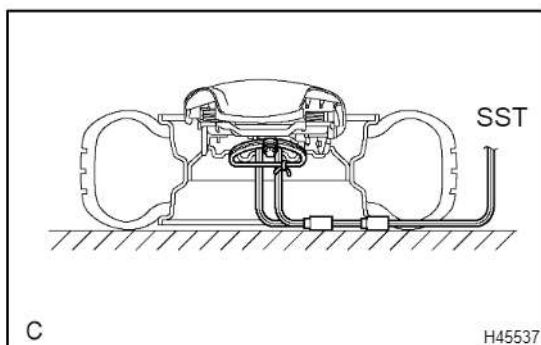
- (4) Face the airbag deployment side of the horn button assy upward. Separately tie the left and right sides of the horn button assy to the disc wheel through the hub nut holes. Position the SST connector so that it hangs downward through the hub hole in the disc wheel.

CAUTION:

- **Make sure that the wire harness is tight. If there is slack in wire harness, the horn button assy may become loose due to the shock when the airbag is deployed.**
- **Always tie down the horn button assy with the airbag deployment side facing upward.**

NOTICE:

The disc wheel will be marked by the airbag deployment, so use an extra disc wheel.



- (d) Install the SST.
SST 09082-00700

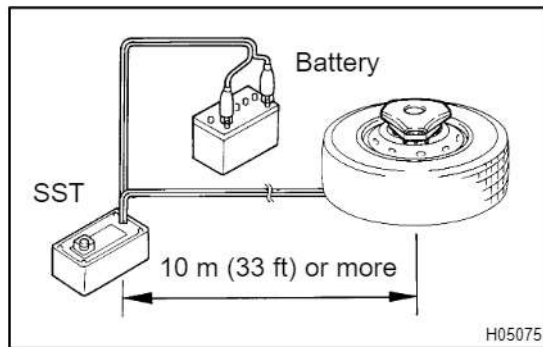
CAUTION:

Place the disc wheel on level ground.

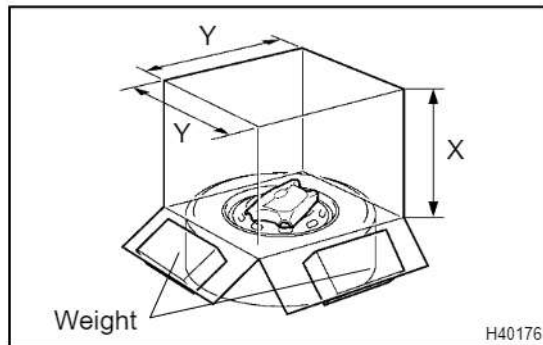
- (1) Connect the connector of the SST.

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 horn button assy tied down to the disc wheel.



- (e) Cover the horn button assy with a cardboard box or tires.

- (1) Covering method using a cardboard box:

Cover the horn button assy with the cardboard box and place weights on the cardboard box in 4 places totalling at least 190 N (20 kg, 44 lb).

Size of cardboard box:

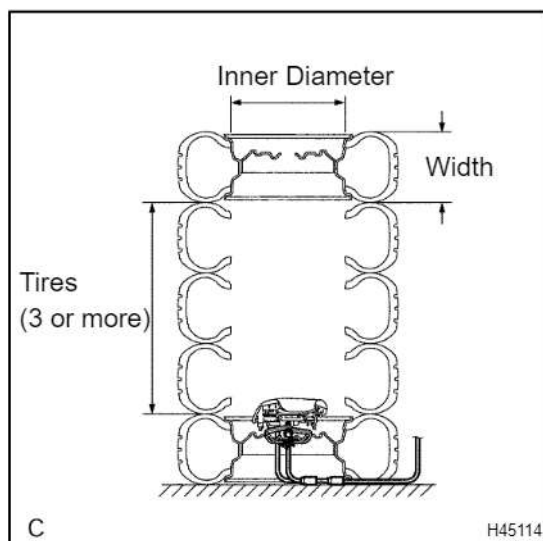
Must exceed the following dimensions:

X = 460 mm (18.11 in.)

Y = 650 mm (25.59 in.)

NOTICE:

- When the dimension Y of the cardboard box exceeds the diameter of the disc wheel with tire which the horn button assy is tied to, X should be the following size.
X = 460 mm (18.11 in.) + width of tire
- If a cardboard box which is smaller than the specified size is used, the cardboard box will be broken by the shock from the airbag deployment.



- (2) Covering method using tires:

Place at least 3 tires without disc wheels on the tire with disc wheel which the horn button assy is tied to. Place the tire with disc wheel on them.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

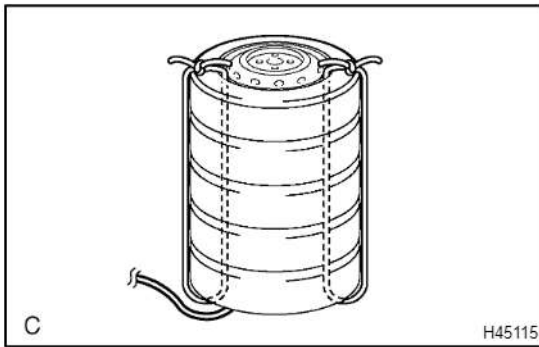
Inner diameter: 360 mm (14.17 in.)

CAUTION:

Do not use tires with disc wheels except on the top and bottom.

NOTICE:

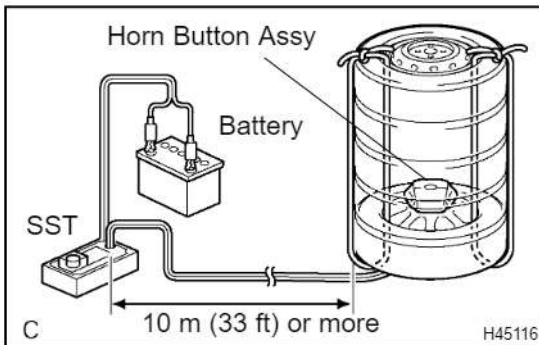
- The tires may be marked by the airbag deployment, so use an extra tire.
- Do not place the SST connector under the tire because it could be damaged.



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

CAUTION:

Make sure that the wire harness is tight. Looseness in the wire harness results in the tires coming free due to the shock when the airbag is deployed.



- (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 a 10 m (33 ft) radius of the disc wheel which the horn button assembly is tied to.
- (3) Press the SST activation switch and deploy the airbag.

CAUTION:

When deploying the airbag, make sure that no one is near the tire.

HINT:

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



- (g) Dispose of the horn button assy.

CAUTION:

- The horn button assy 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 horn button assy with a deployed airbag.
 - Do not apply water, etc. to a horn button assy with a deployed airbag.
 - Always wash your hands with water after completing the operation.
- (1) Remove the horn button assy from the disc wheel.
 - (2) Place the horn button assy in a plastic bag, tie it tightly and dispose of it as other general part disposal.

SPIRAL CABLE SUB-ASSY REPLACEMENT

6000Z-02

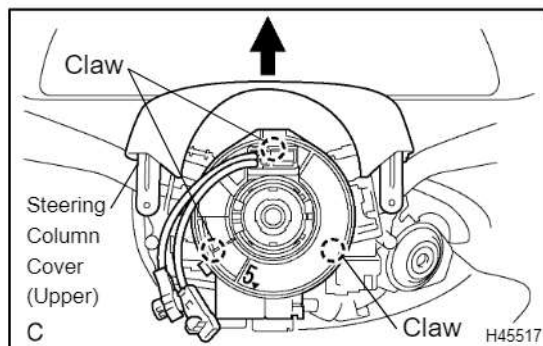
HINT:

- COMPONENTS: See page 60-23
 - Installation is in the reverse order of removal.
1. **PRECAUTION** (See page 60-1)
 2. **DISCONNECT BATTERY NEGATIVE TERMINAL**

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.

3. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
4. **REMOVE STEERING WHEEL COVER LOWER NO.2** (See page 60-25)
5. **REMOVE STEERING WHEEL COVER LOWER NO.3** (See page 60-25)
6. **REMOVE HORN BUTTON ASSY** (See page 60-25)
7. **REMOVE STEERING WHEEL ASSY** (See page 50-9)
SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)
8. **REMOVE STEERING COLUMN COVER (LOWER)** (See page 50-9)



9. REMOVE SPIRAL CABLE SUB-ASSY

- (a) Raise the steering column cover (upper).
- (b) Disconnect the connectors from the spiral cable sub-assy.

CAUTION:

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

- (c) Disengage the 3 claws and remove the spiral cable sub-assy.

10. REMOVE STEERING SENSOR (W/ VSC) (See page 32-72)

11. INSPECT SPIRAL CABLE SUB-ASSY

- (a) If any of the following conditions occur, replace the spiral cable sub-assy with a new one.

Condition:

Scratches or cracks on the connector

Cracks, dents or chipping of the spiral cable sub-assy

12. INSTALL STEERING SENSOR (W/ VSC) (See page 32-72)

13. INSTALL SPIRAL CABLE SUB-ASSY

- (a) Check that the front wheels are facing straight ahead.
- (b) Set the turn signal switch to the neutral position.

NOTICE:

Make sure that the turn signal switch is in the neutral position, or the pin of the turn signal switch may be snapped.

- (c) Install the spiral cable sub-assy.

NOTICE:

When replacing the spiral cable sub-assy with a new one, remove the lock pin before installing the steering wheel assy.

- (d) Connect the connector to the spiral cable sub-assy.

NOTICE:

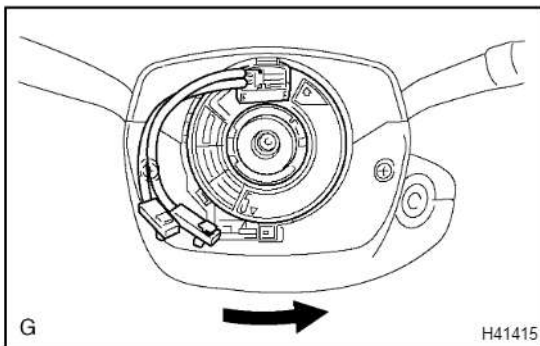
When handling the airbag connector, take care not to damage the airbag wire harness.

14. INSTALL STEERING COLUMN COVER (LOWER) (See page 50-9)**15. ADJUST SPIRAL CABLE SUB-ASSY**

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

NOTICE:

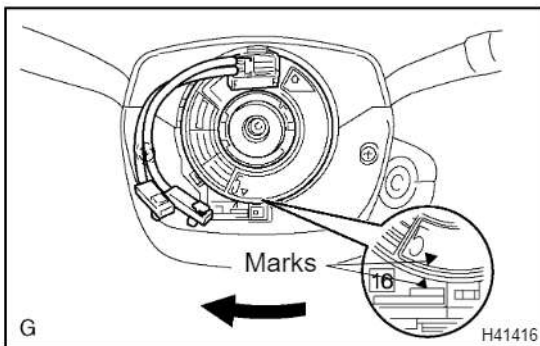
After removing the terminal, wait for at least 90 seconds before starting the operation.



- (c) Rotate the spiral cable sub-assy counterclockwise slowly by hand until it feels firm.

NOTICE:

Do not turn the spiral cable sub-assy by the airbag wire harness.



- (d) Rotate the spiral cable sub-assy clockwise approximately 2.5 turns to align the marks.

NOTICE:

Do not turn the spiral cable sub-assy by the airbag wire harness.

HINT:

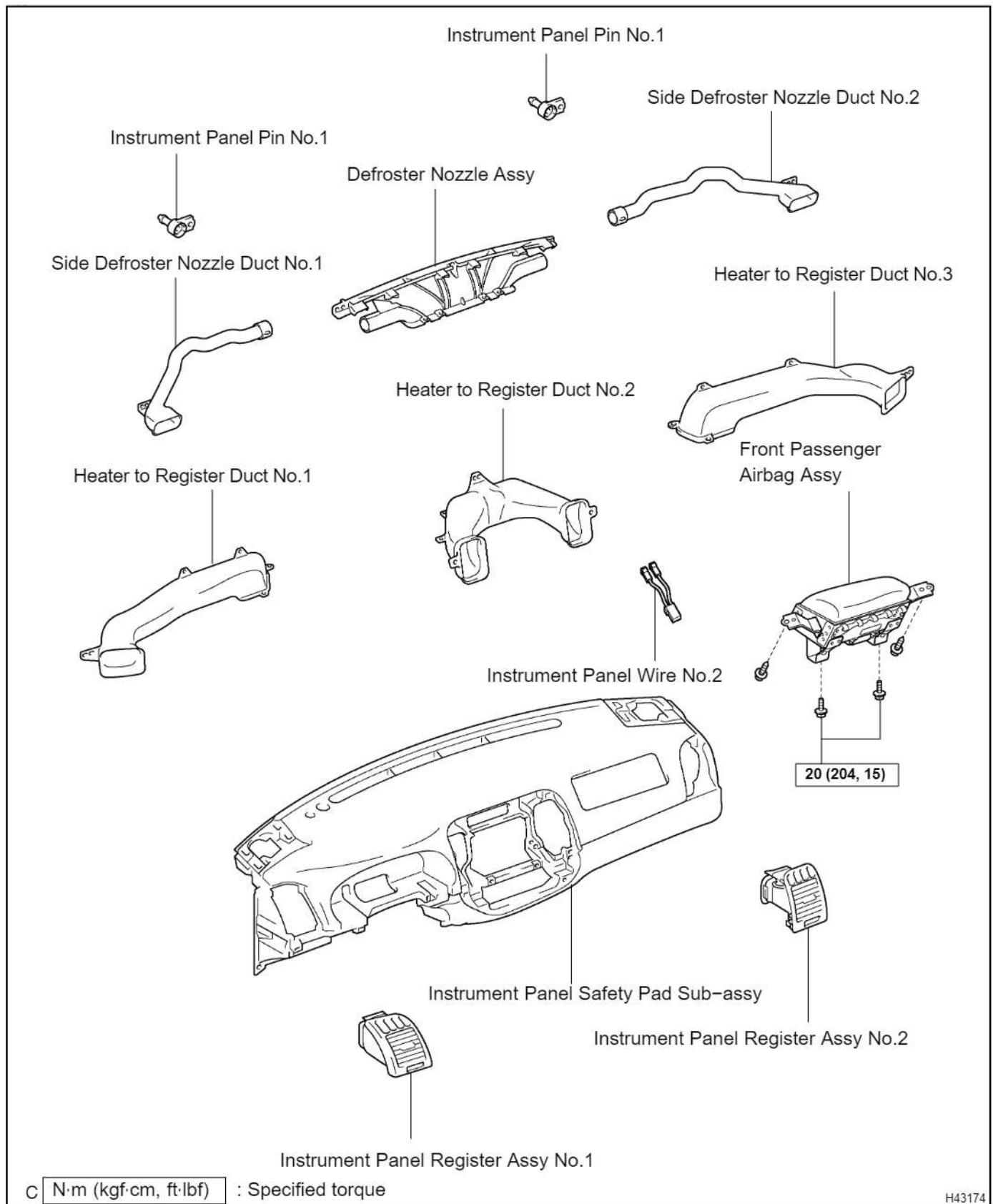
The spiral cable sub-assy will rotate approximately 2.5 turns to both the left and right from the center.

- 16. INSTALL STEERING WHEEL ASSY (See page 50-9)**
- 17. INSPECT STEERING WHEEL CENTER POINT**
- 18. INSTALL HORN BUTTON ASSY (See page 60-25)**
- 19. CONNECT BATTERY NEGATIVE TERMINAL**
- 20. INSPECT HORN BUTTON ASSY (See page 69-3)**
- 21. INSPECT SRS WARNING LIGHT (See page 05-1456)**

FRONT PASSENGER AIRBAG ASSY (From July, 2003)

COMPONENTS

6000N-01



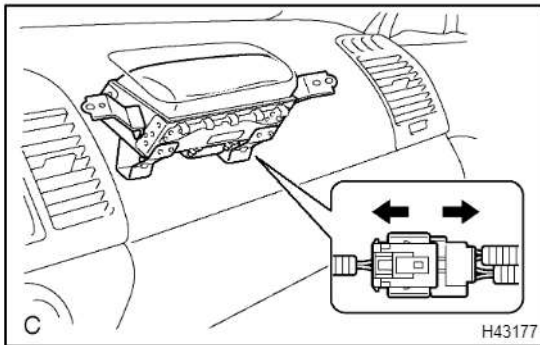
H43174

REPLACEMENT

HINT:

Installation is in the reverse order of removal.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
4. **REMOVE STEERING WHEEL COVER LOWER NO.2**
5. **REMOVE STEERING WHEEL COVER LOWER NO.2 (W/O STEERING PAD SWITCH 4 SPOKE STEERING WHEEL)**
6. **REMOVE STEERING WHEEL COVER LOWER NO.3 (3 SPOKE STEERING WHEEL ASSY)**
7. **REMOVE CONNECTOR COVER (W/ STEERING PAD SWITCH 4 SPOKE STEERING WHEEL)**
8. **REMOVE HORN BUTTON ASSY** (See page 60-25)
9. **REMOVE STEERING WHEEL ASSY** (See page 50-9)
SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)
10. **REMOVE STEERING COLUMN COVER** (See page 50-9)



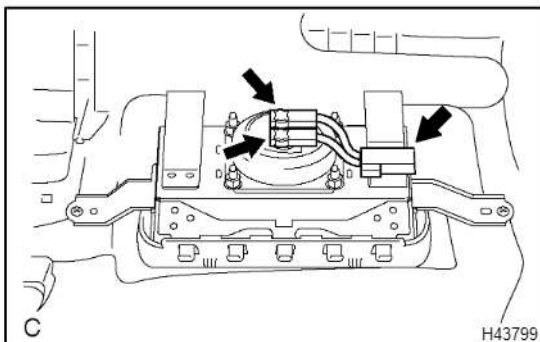
11. DISCONNECT FRONT PASSENGER AIRBAG ASSY CONNECTOR

- (a) Disconnect the connector.

NOTICE:

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

12. **REMOVE INSTRUMENT PANEL SAFETY PAD SUB-ASSY** (See page 71-16)
13. **REMOVE INSTRUMENT PANEL REGISTER ASSY NO.2** (See page 71-16)
14. **REMOVE INSTRUMENT PANEL REGISTER ASSY NO.1** (See page 71-16)
15. **REMOVE SIDE DEFROSTER NOZZLE DUCT NO.2** (See page 71-16)
16. **REMOVE SIDE DEFROSTER NOZZLE DUCT NO.1** (See page 71-16)
17. **REMOVE DEFROSTER NOZZLE ASSY** (See page 71-16)
18. **REMOVE HEATER TO REGISTER DUCT NO.1** (See page 71-16)
19. **REMOVE HEATER TO REGISTER DUCT NO.3** (See page 71-16)
20. **REMOVE HEATER TO REGISTER DUCT NO.2** (See page 71-16)

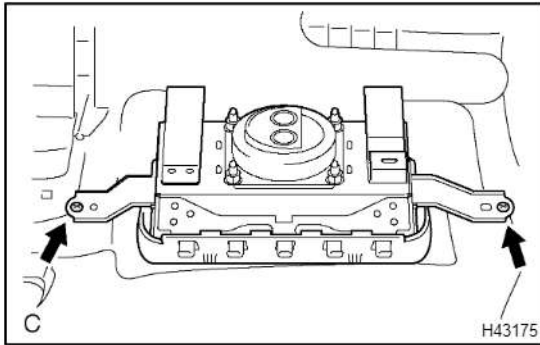


21. DISCONNECT INSTRUMENT PANEL WIRE NO.2

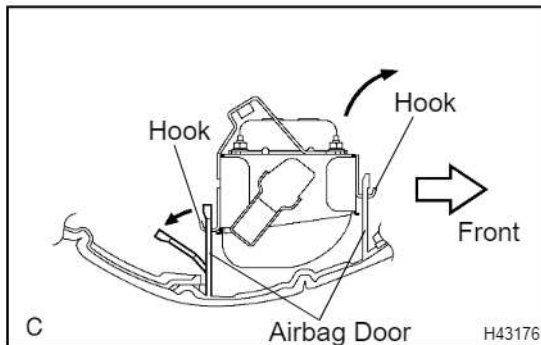
- (a) Remove the clip.
(b) Disconnect the connectors from the front passenger airbag assy.

NOTICE:

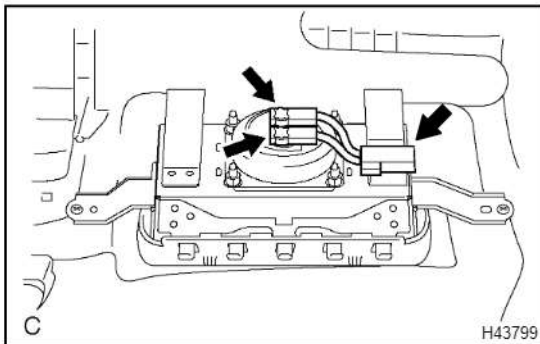
When handling the airbag connector, take care not to damage the airbag wire harness.

**22. REMOVE FRONT PASSENGER AIRBAG ASSY**

- (a) Remove the 2 screws.



- (b) Release the rear side wall of the airbag door from the hook by slightly deflecting it and roll the front passenger airbag assy forward.
- (c) Release the front side wall of the airbag door from the other hook and remove the front passenger airbag assy.

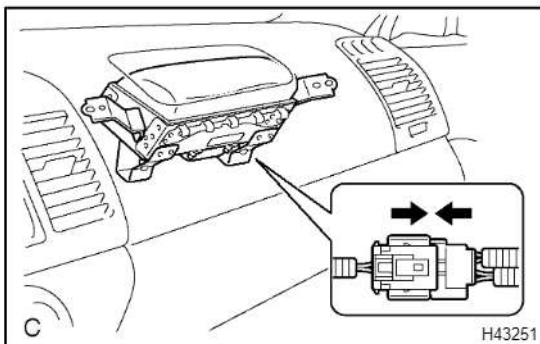
23. INSTALL FRONT PASSENGER AIRBAG ASSY**24. INSPECT FRONT PASSENGER AIRBAG ASSY (See page 60-17)****25. CONNECT INSTRUMENT PANEL WIRE NO.2**

- (a) Connect the connectors to the front passenger airbag assy.

NOTICE:

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

- (b) Install the clip.

26. INSTALL INSTRUMENT PANEL SAFETY PAD SUB-ASSY (See page 71-16)**27. CONNECT FRONT PASSENGER AIRBAG ASSY CONNECTOR**

- (a) Connect the connector.

NOTICE:

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

- 28. INSTALL SPIRAL CABLE SUB-ASSY (See page [60-34](#))
- 29. ADJUST SPIRAL CABLE SUB-ASSY (See page [60-34](#))
- 30. INSTALL STEERING WHEEL ASSY (See page [50-9](#))
- 31. INSPECT STEERING WHEEL CENTER POINT
- 32. INSTALL HORN BUTTON ASSY (See page [60-25](#))
- 33. INSPECT HORN BUTTON ASSY (See page [60-25](#))
- 34. INSPECT SRS WARNING LIGHT (See page [05-1456](#))

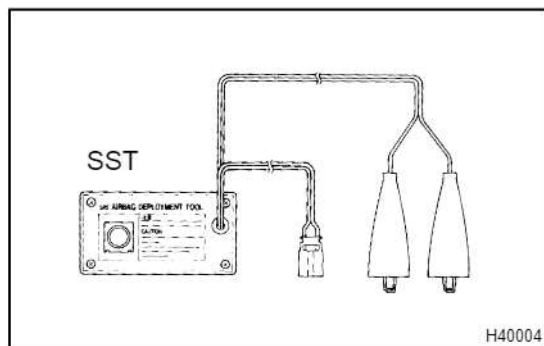
DISPOSAL

HINT:

When scrapping a vehicle equipped with SRS or disposing of the front passenger airbag assy, be sure to deploy the airbag first 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 the front passenger airbag assy 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.

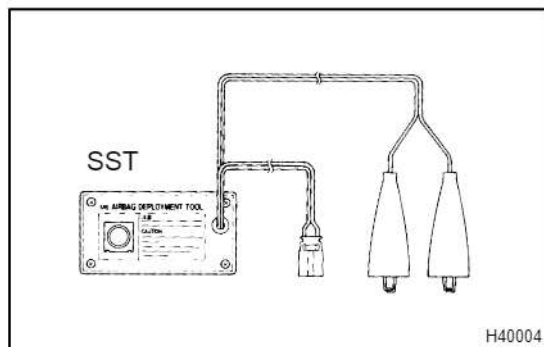


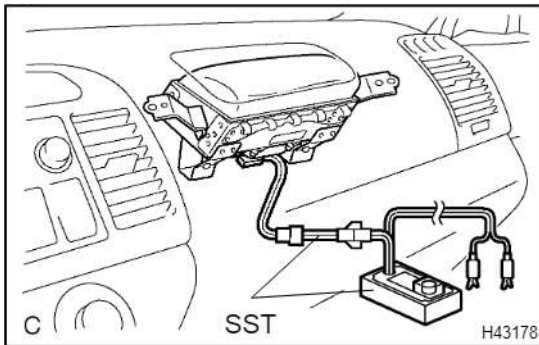
- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
 - When deploying the airbag, perform the operation at least 10 m (33 ft) away from the front passenger airbag assy.
 - The front passenger airbag assy is 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 the front passenger airbag assy with the deployed airbag.
 - Do not apply water, etc. to the front passenger airbag assy with the deployed airbag.
 - Always wash your hands with water after completing the operation.
1. **DISPOSE OF FRONT PASSENGER AIRBAG ASSY (WHEN INSTALLED IN VEHICLE)**

HINT:

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

- (a) Check the function of the SST (See step 1-(a) on page 60-27).
- (b) Precaution (See page 60-1).
- (c) Disconnect the battery negative terminal.
- (d) Remove the front scuff plate (See page 76-22).
- (e) Remove the cowl side trim sub-assy (See page 76-22).
- (f) Remove the instrument panel under cover sub-assy No.1 (See page 71-16).
- (g) Remove the glove compartment door pad (See page 71-16).
- (h) Remove the instrument panel sub-assy lower (See page 71-16).





- (i) Install the SST.
- (1) Disconnect the connectors from the front passenger airbag assy.

NOTICE:

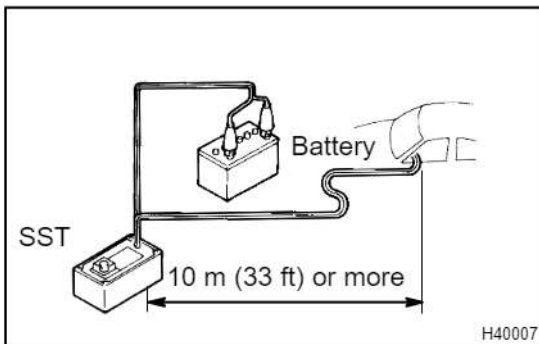
When handling the airbag connector, take care not to damage the airbag wire harness.

- (2) Connect the connector of the SST to the front passenger airbag assy.

SST 09082-00700, 09082-00780

NOTICE:

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



- (3) Move the SST at least 10 m (33 ft) away from the vehicle front side window.
- (4) Maintaining enough clearance for the SST wire harness in the front side window, close all doors and windows of the vehicle.

NOTICE:

Take care not to damage the SST wire harness.

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

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

HINT:

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

CAUTION:

- The front passenger airbag assy is 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 the front passenger airbag assy with the deployed airbag.
- Do not apply water, etc. to the front passenger airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.

2. DISPOSE OF FRONT PASSENGER AIRBAG ASSY (WHEN NOT INSTALLED IN VEHICLE)

NOTICE:

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

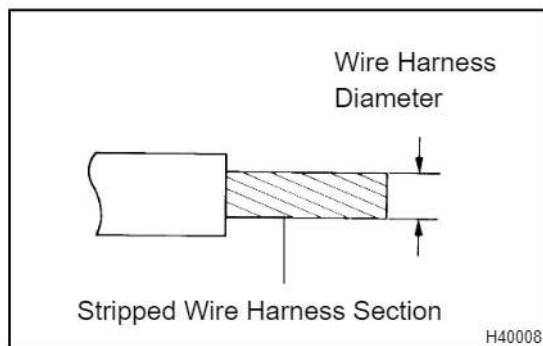
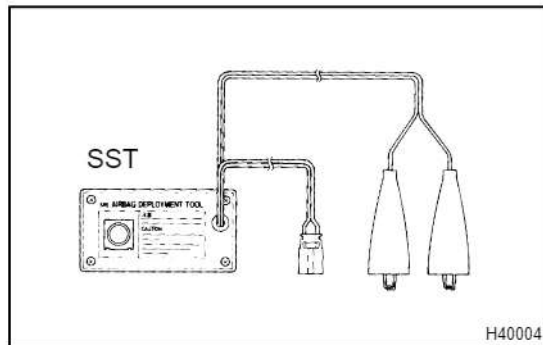
HINT:

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

- Check the function of the SST (See step 1-(a) on page 60-27).
- Remove the front passenger airbag assy.

CAUTION:

- When removing the front passenger airbag assy, 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 passenger airbag assy, keep the upper surface of the airbag deployment side facing upward.



- Using a service-purpose wire harness for the vehicle, tie down the front passenger airbag assy to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in.² or more)

CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the front passenger airbag assy, 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 has a section of at least 1.25 mm² (0.0019 in.²).

HINT:

- To calculate the square of the stripped wire harness section:
Square = 3.14 x (Diameter)² divided by 4
- Position the front passenger airbag assy 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.)

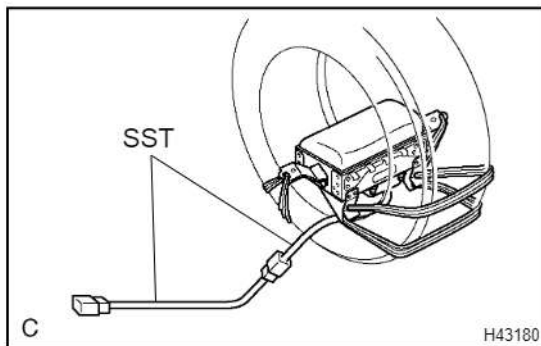
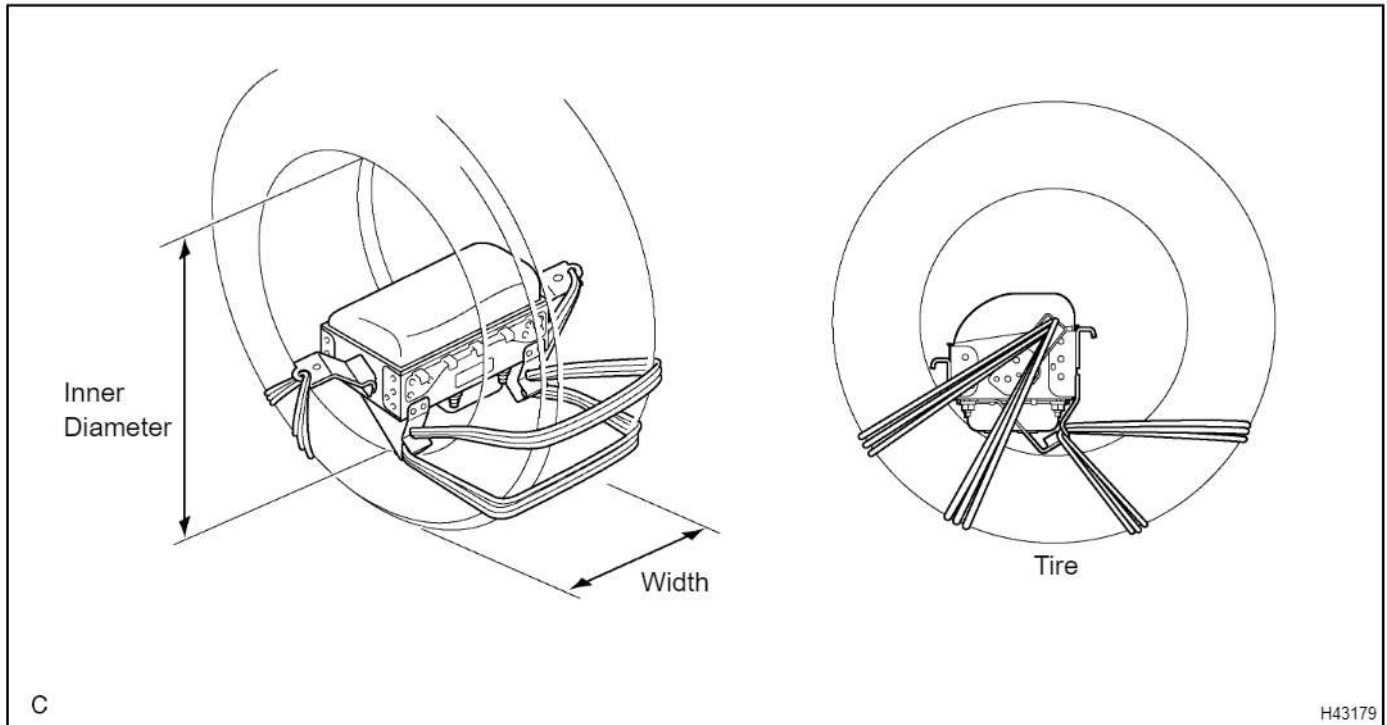
CAUTION:

- Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the front passenger airbag assy coming free due to the shock from the airbag deployment.

- Always tie down the front passenger airbag assy with the airbag deployment side facing inside the tire.

NOTICE:

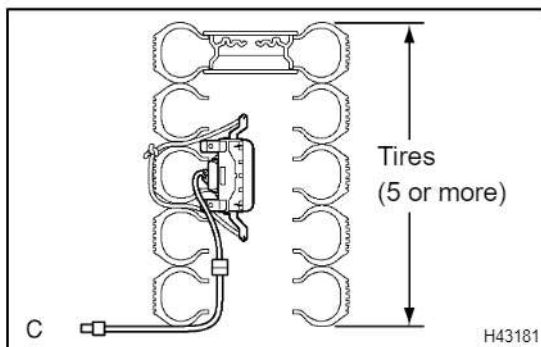
The tire will be marked by the airbag deployment, so use a redundant tire.



- (d) Install the SST.

After connecting the SST below to each other, connect them to the front passenger airbag assy.

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

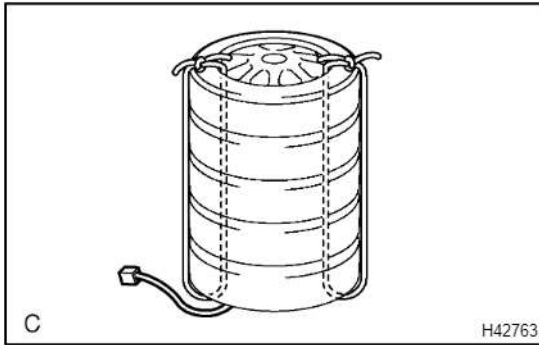


- (e) Place the tires.

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

NOTICE:

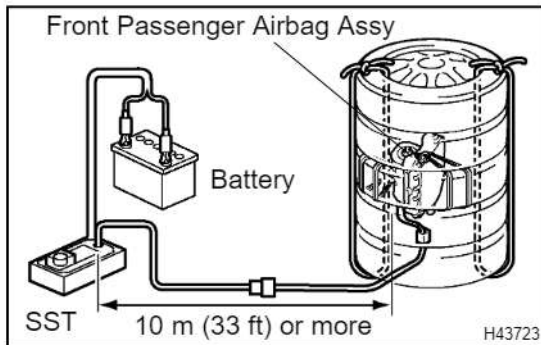
Do not place the SST connector under the tire because the SST connector could be damaged.



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

CAUTION:

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



- (f) Install the SST.
Connect the connector of the SST.
SST 09082-00700

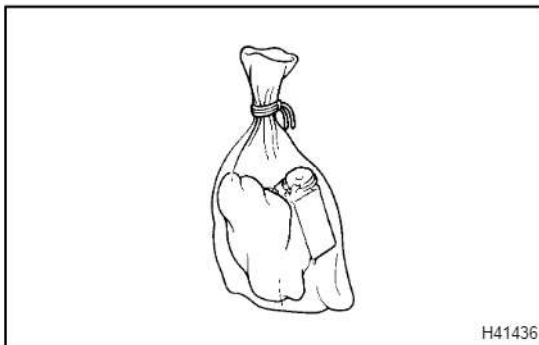
NOTICE:

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 tire.

- (g) 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 a 10 m (33 ft) radius of the tire to which the front passenger airbag assy is tied.
 - (3) Press the activation switch of the SST and deploy the airbag.

HINT:

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



- (h) Dispose of the front passenger airbag assy.

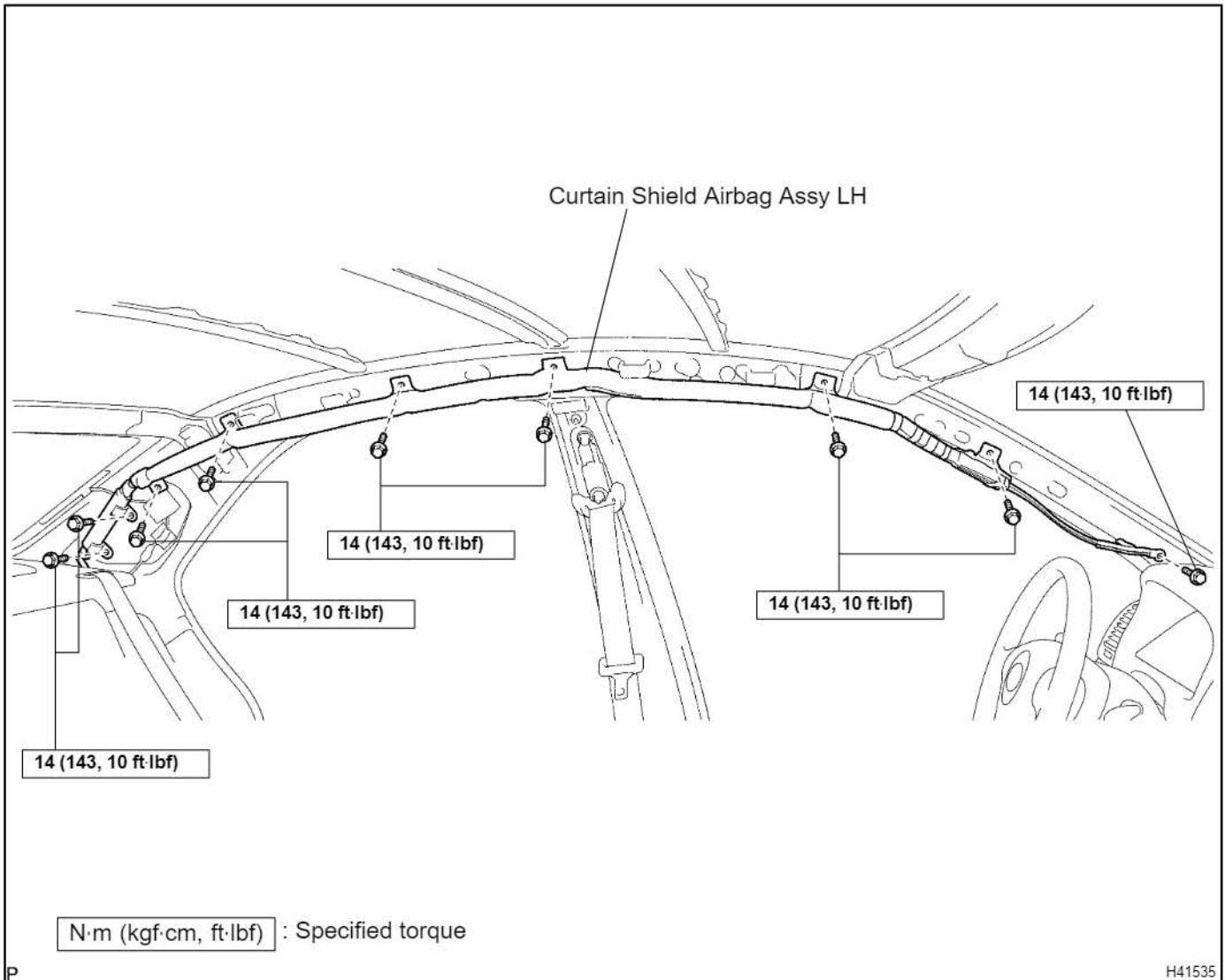
CAUTION:

- The front passenger airbag assy is 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 the front passenger airbag assy with the deployed airbag.
 - Do not apply water, etc. to the front passenger airbag assy with the deployed airbag.
 - Always wash your hands with water after completing the operation.
- (1) Remove the front passenger airbag assy from the tire.
 - (2) Place the front passenger airbag assy in a plastic bag, tie it tightly and dispose of it in the same way as for other general parts disposal.

CURTAIN SHIELD AIR BAG ASSY LH

COMPONENTS

60095-05



REPLACEMENT

HINT:

- Replacement procedure of the RH side is the same as that for the LH side.
- Installation is in the reverse order of removal.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE ROOF HEADLINING ASSY** (See page 76-22)
4. **REMOVE CURTAIN SHIELD AIR BAG ASSY LH**

(a) Disconnect the connector from the curtain shield airbag assy LH.

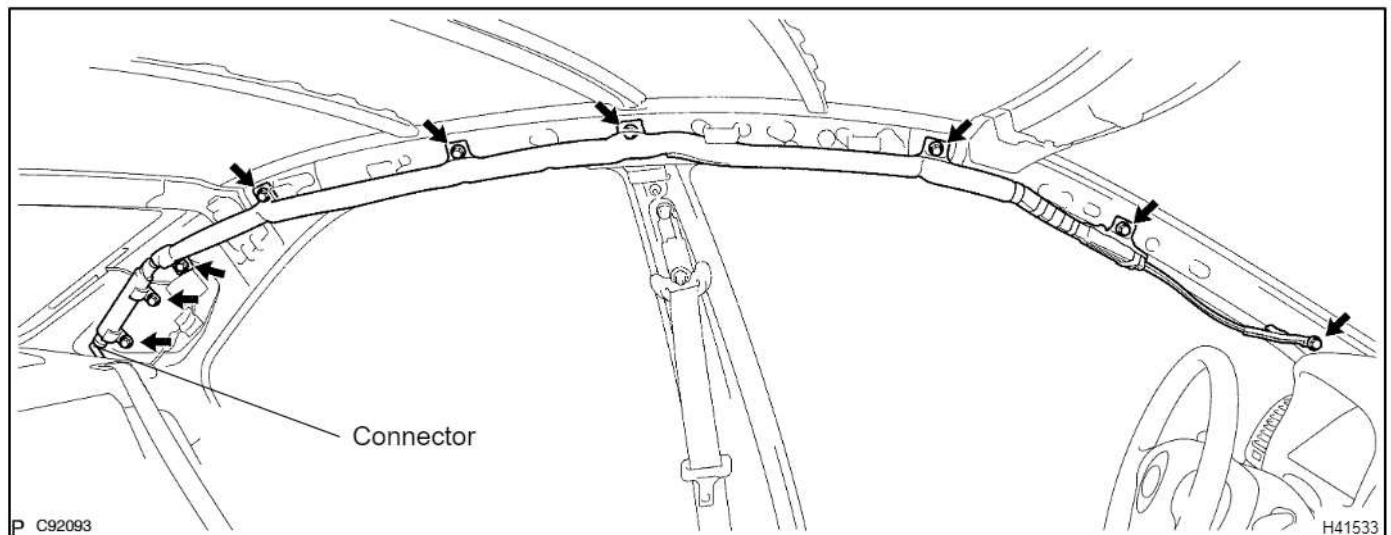
NOTICE:

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

(b) Remove the 9 bolts and curtain shield airbag assy LH.

HINT:

Remove the bolts from front side of the vehicle in order.



5. INSTALL CURTAIN SHIELD AIR BAG ASSY LH

(a) Install the curtain shield airbag assy LH with the 9 bolts.

Torque: 14 N·m (143 kgf·cm, 10 ft·lbf)

HINT:

Install the bolts from rear side of the vehicle in order.

(b) Connect the connector to the curtain shield airbag assy LH.

NOTICE:

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

6. **INSPECT CURTAIN SHIELD AIR BAG ASSY LH** (See page 60-17)
7. **INSTALL ROOF HEADLINING ASSY** (See page 76-22)
8. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

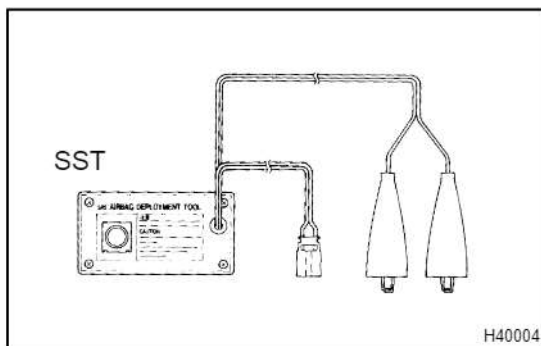
DISPOSAL

HINT:

- Disposal procedure of the RH side is the same as that for the LH side.
- When scrapping a vehicle equipped with SRS or disposing of the curtain shield airbag assy LH, be sure to deploy the airbag first 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:

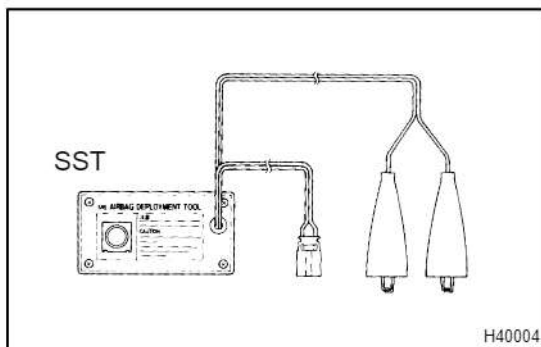
- Never dispose of the curtain shield airbag assy LH that has an undeployed airbag.
- The airbag produces an exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.



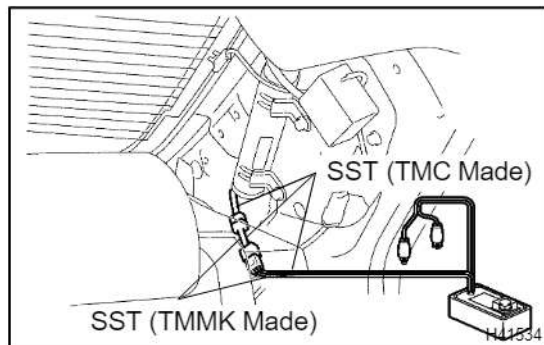
- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
 - When deploying the airbag, perform the operation at least 10 m (33 ft) away from the curtain shield airbag assy LH.
 - The curtain shield airbag assy LH is 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 the curtain shield airbag assy LH with the deployed airbag.
 - Do not apply water, etc. to the curtain shield airbag assy LH with the deployed airbag.
 - Always wash your hands with water after completing the operation.
1. **DISPOSE OF CURTAIN SHIELD AIR BAG ASSY LH (WHEN INSTALLED IN VEHICLE)**

HINT:

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



- (a) Check the function of the SST (See step 1-(a) on page 60-27).
- (b) Precaution (See page 60-1).
- (c) Disconnect the battery negative terminal.
- (d) Remove the rear door scuff plate LH (See page 76-22).
- (e) Remove the rear door opening trim weatherstrip LH (See page 76-22).
- (f) Remove the rear seat cushion assy (See page 72-32).
- (g) Remove the rear side seat back LH (See page 72-32).
- (h) Remove the roof side inner garnish LH (See page 76-22).



- (i) Install the SST.
- (1) Disconnect the connector from the curtain shield airbag assy LH.

NOTICE:

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

- (2) TMC Made:
After connecting the SST below to each other, connect them to the curtain shield airbag assy LH.
SST 09082-00700, 09082-00802 (09082-10801, 09082-20801)

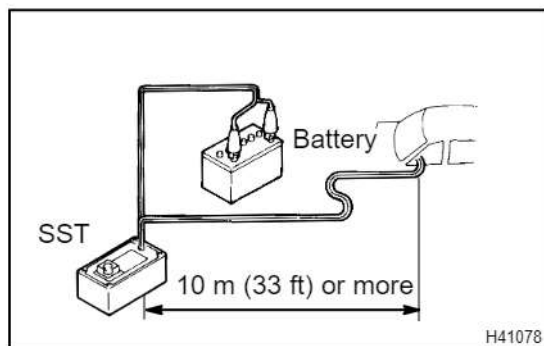
NOTICE:

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

- (3) TMMK Made:
Connect the connector of the SST to the curtain shield airbag assy LH (TMMK Made).
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.



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

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

HINT:

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

CAUTION:

- The curtain shield airbag assy LH is 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 the curtain shield airbag assy LH with the deployed airbag.

- Do not apply water, etc. to the curtain shield airbag assy LH with the deployed airbag.
- Always wash your hands with water after completing the operation.

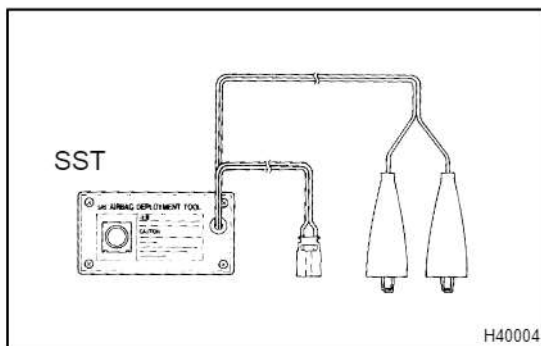
2. DISPOSE OF CURTAIN SHIELD AIR BAG ASSY LH (WHEN NOT INSTALLED IN VEHICLE)

NOTICE:

- When disposing of the curtain shield airbag assy LH, 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.

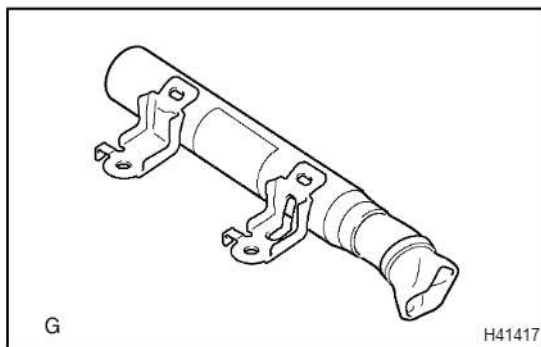


- (a) Check the function of the SST (See step 1-(a) on page 60-27).

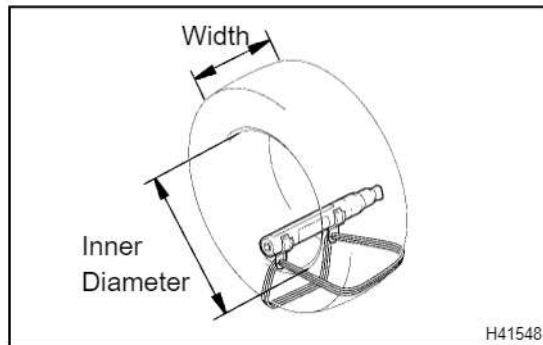
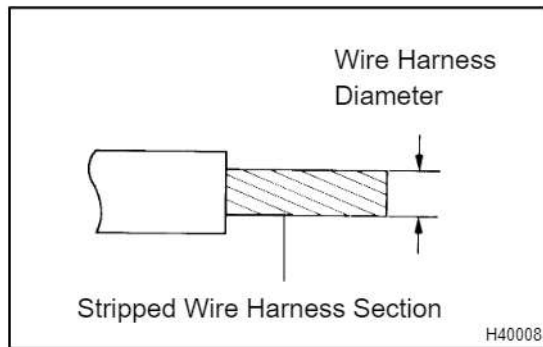
- (b) Remove the curtain shield airbag assy LH (See page 60-46).

CAUTION:

When removing the curtain shield airbag assy LH, 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.



- (c) Cut off the deployment section of the curtain shield airbag assy LH.



- (d) Using a service-purpose wire harness for the vehicle, tie down the curtain shield airbag assy LH to the tire.
Wire harness: Stripped wire harness section 1.25 mm² or more (0.0019 in.² or more)

CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the curtain shield airbag assy LH, it may be snapped by the shock when the airbag is deployed. **Always use a wire harness for vehicle use which has a section of at least 1.25 mm² (0.0019 in.²).**

HINT:

- To calculate the square of the stripped wire harness section:
Square = 3.14 x (Diameter)² divided by 4
- Place the curtain shield airbag assy LH inside the tire as shown in the illustration.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

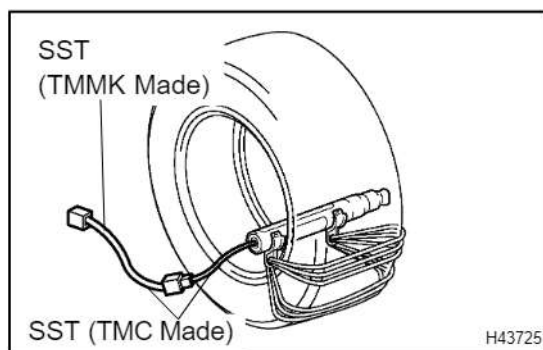
Inner diameter: 360 mm (14.17 in.)

CAUTION:

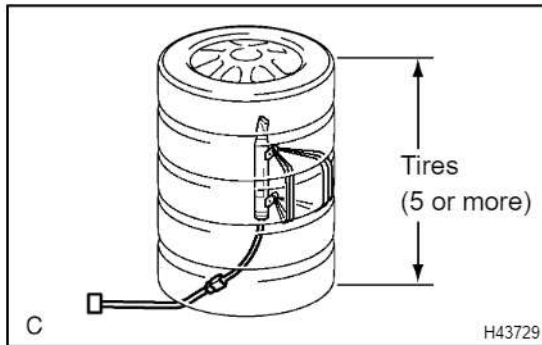
- **Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the curtain shield airbag assy LH coming free due to the shock from the airbag deployment.**

NOTICE:

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



- (e) Install the SST.
- (1) TMC Made:
 After connecting the SST below to each other, connect them to the curtain shield airbag assy LH.
 SST 09082-00802 (09082-10801, 09082-20801)
 - (2) TMMK Made:
 Connect the connector of the SST to the curtain shield airbag assy LH.
 SST 09082-00760



(f) Place the tires.

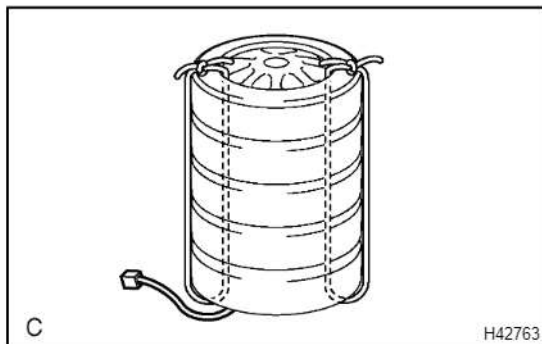
CAUTION:

Do not place the deployment direction of the curtain shield airbag assy LH facing toward the ground.

- (1) Place at least 2 tires under the tire to which the curtain shield airbag assy LH is tied.
- (2) Place at least 2 tires over the tire to which the curtain shield airbag assy LH is tied. The top tire should have the disc wheel installed.

NOTICE:

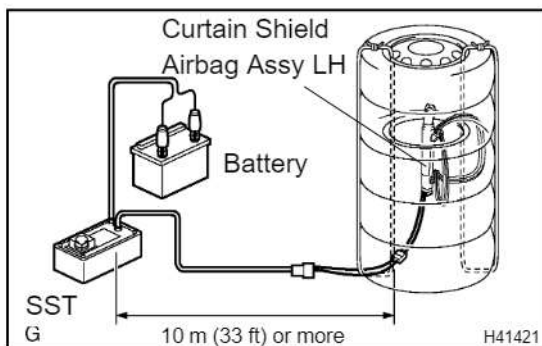
Do not place the SST connector under the tire because the SST connector could be damaged.



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

CAUTION:

Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the tires coming free due to the shock from the airbag deployment.



- (g) Install the SST.

Connect the connector of the SST.

SST 09082-00700

NOTICE:

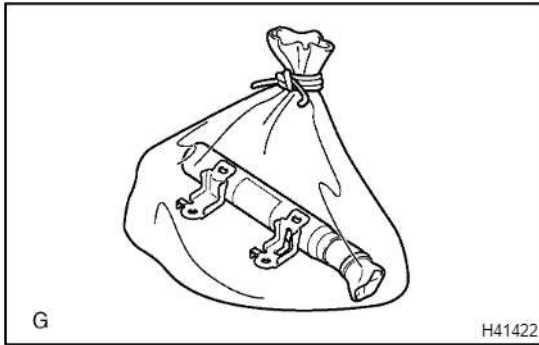
To avoid damaging the SST connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST wire harness inside the tire.

- (h) 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 a 10 m (33 ft) radius of the tire to which the curtain shield airbag assy LH is tied.
- (3) Press the activation switch of the SST and deploy the airbag.

HINT:

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



(i) Dispose of the curtain shield airbag assy LH.

CAUTION:

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

FRONT SEAT AIRBAG ASSY RH

DISPOSAL

6007P-06

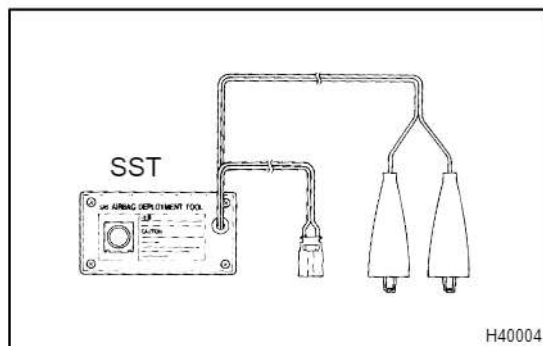
HINT:

When scrapping vehicles equipped with an SRS or disposing of the front seat airbag assy 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.

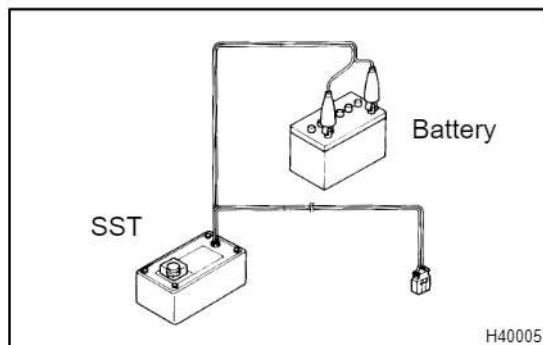
When disposing of a front seat airbag assy with an airbag deployed in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".

CAUTION:

- Never dispose of a front seat airbag assy 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.
- When deploying an airbag, perform the operation at least 10 m (33 ft) away from the airbag assy.
- The front seat airbag assy 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 front seat airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat airbag assy with the deployed airbag.

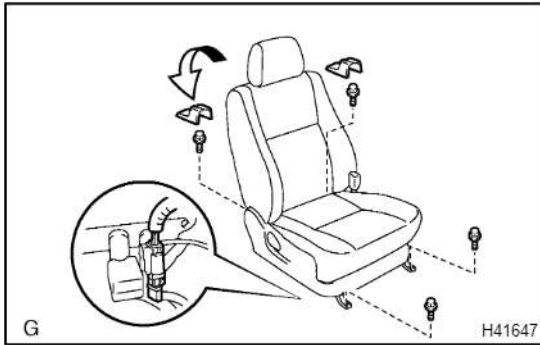


1. DISPOSE OF FRONT SEAT AIRBAG ASSY RH (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

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

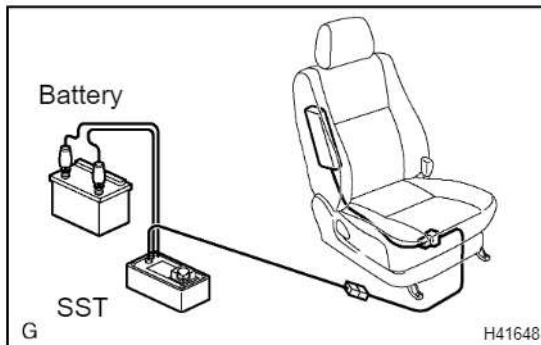
- (a) Check functioning of the SST (See page 60-27).



- (b) Remove the front seat assy (See page 72-23 (power seat) or 72-15 (manual seat)).
- (c) Disconnect the front seat airbag connector.

NOTICE:

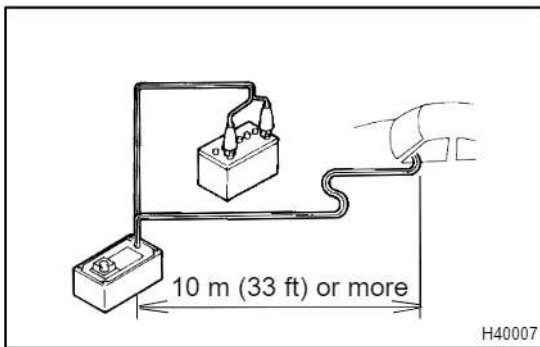
When handling the airbag connector, take care not to damage the airbag wire harness.



- (d) Install the SST.
- (1) Connect the connectors of the 2 SST connector to the front seat airbag 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.



- (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 red clip of the SST to the battery positive (+) terminal and the black clip of the SST to the battery negative (-) terminal.
- (e) 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 simultaneously as the LED of the SST activation switch lights up.

- (f) Dispose of the front seat airbag assy.

CAUTION:

- The front seat airbag assy 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 seat airbag assy with the deployed airbag.
- When moving a vehicle for scrapping which has a front seat airbag assy with the deployed airbag, use gloves and safety glasses.
- Do not apply water, etc. to a front seat airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the front seat airbag assy still installed.

2. DISPOSE OF FRONT SEAT AIRBAG ASSY RH (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

NOTICE:

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

HINT:

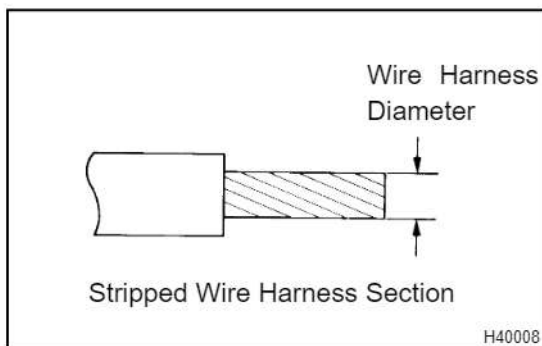
Have a battery ready as the power source to deploy the airbag.

(a) Remove the front seat airbag assy.

- (1) Remove the front seat assy (See page 72-23 (power seat) or 72-15 (manual seat)).
- (2) Remove the 2 nuts and front seat airbag assy from the seatback assembly.

CAUTION:

Store the front seat airbag assy with the airbag deployment side facing upward.



(b) Using a service-purpose wire harness, tie down the front seat airbag assy.

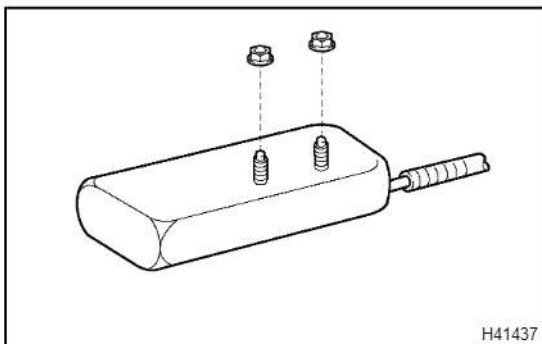
Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in² or more)

HINT:

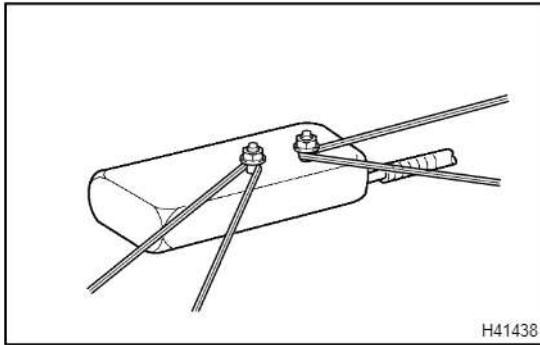
To calculate the square of the stripped wire harness section :
 Square = 3.14 x (Diameter)² divided by 4

CAUTION:

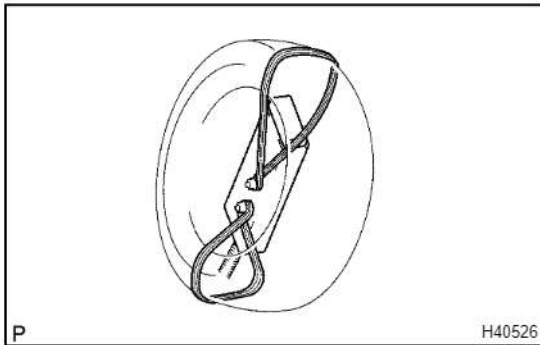
If a wire harness which is too thin or some other thing is used to tie down the front seat airbag assy, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Always use a wire harness for vehicle use which is at least 1.25 mm² (0.0019 in²).



(1) Install the 2 nuts in the front seat airbag assy.



- (2) Wind the wire harness around the stud bolts of the front seat airbag assy as shown in the illustration.



- (3) Position the front seat airbag assy inside the tire with the airbag deployment direction facing inside.

Tire size : Must exceed the following dimensions:-

Width 185 mm (7.28 in.)

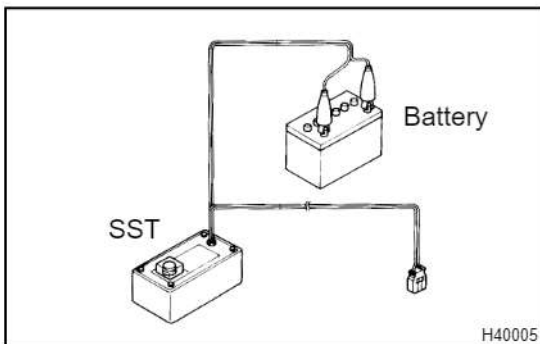
Inner diameter 360 mm (14.17 in.)

CAUTION:

- Make sure the wire harness is tight. It is very dangerous if looseness in the wire harness results in the front seat airbag assy coming free due to the shock from the airbag deploying.
- Always tie down the front seat airbag assy with the airbag door facing inside.

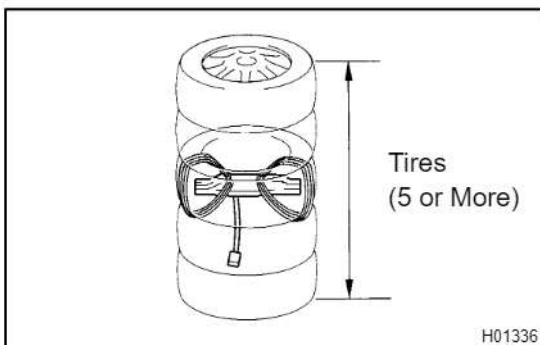
NOTICE:

The tire will be marked by the airbag deployment, so use the redundant tire.

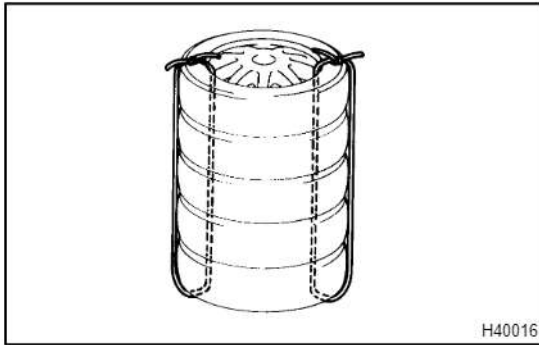


- (c) Check functioning of the SST (See step 1-(a) on page 60-27).

SST 09082-00700



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



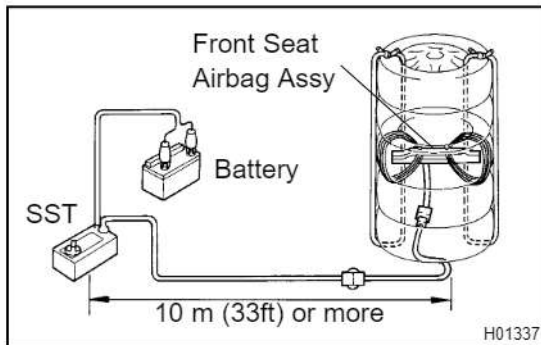
- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harness is tight. It is very dangerous if looseness in the 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.



- (e) Install the SST.

Connect the connectors of the 2 SST to the front seat airbag assy 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. Also, secure some slack for the SST wire harness inside the tire.

- (f) 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 front seat airbag assy 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.



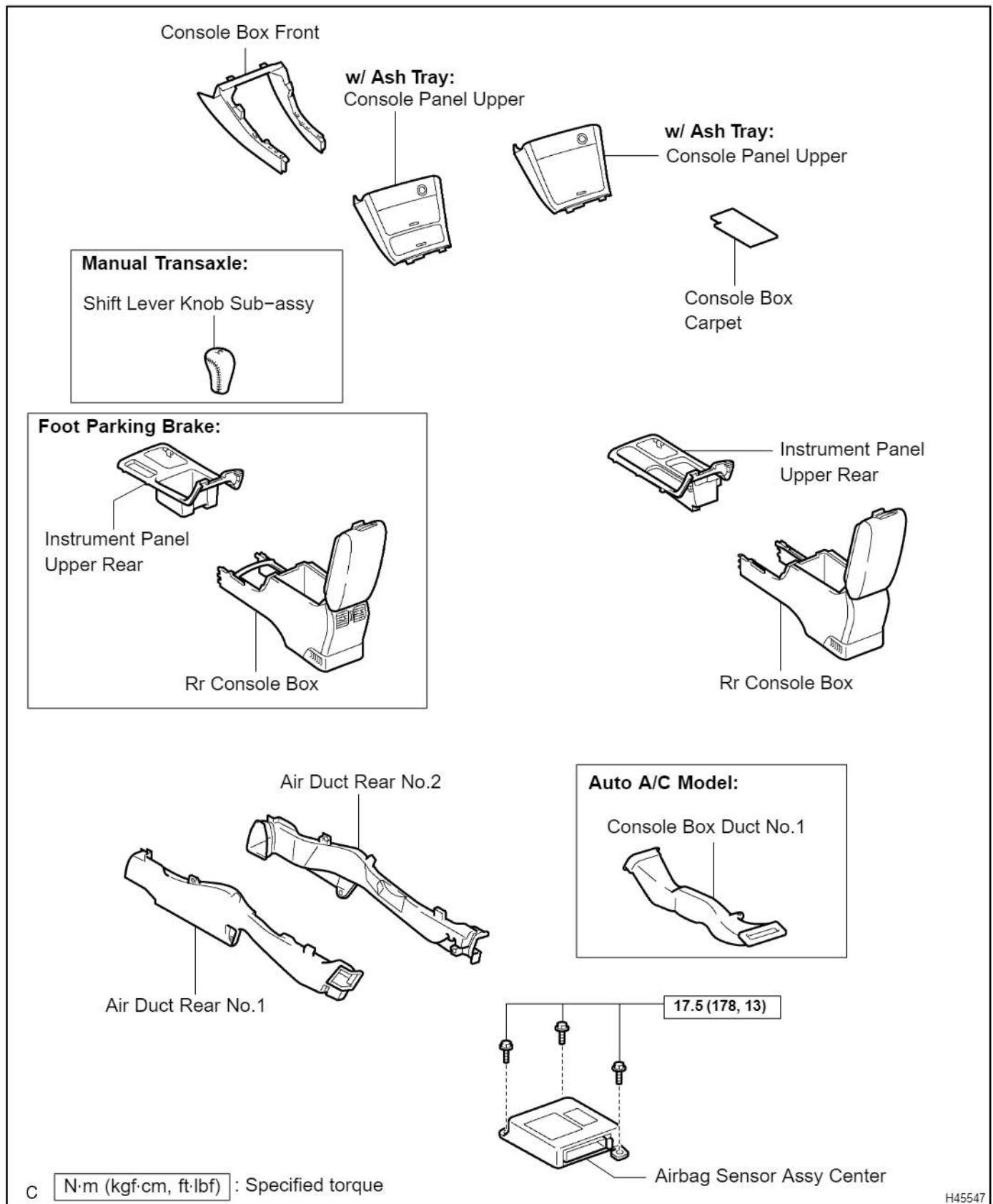
- (g) Dispose of the front seat airbag assy.

CAUTION:

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

AIR BAG SENSOR ASSY CENTER COMPONENTS

60099-07



H45547

REPLACEMENT

HINT:

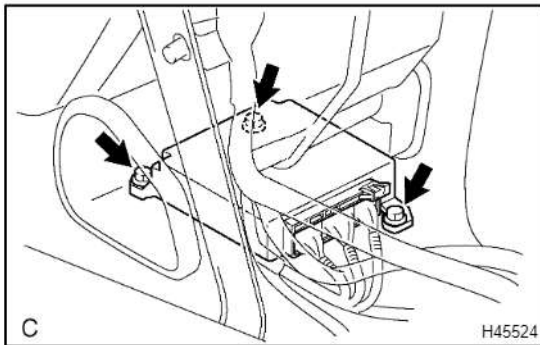
Installation is in the reverse order of removal.

1. **PRECAUTION** (See page 60-1)
2. **SEPARATE BATTERY NEGATIVE TERMINAL**

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.

3. **REMOVE SHIFT LEVER KNOB SUB-ASSY (MANUAL TRANSAXLE)** (See page 71-16)
4. **REMOVE CONSOLE PANEL UPPER REAR** (See page 71-16)
5. **REMOVE CONSOLE BOX CARPET** (See page 71-16)
6. **REMOVE RR CONSOLE BOX** (See page 71-16)
7. **REMOVE CONSOLE PANEL SUB-ASSY** (See page 71-16)
8. **REMOVE CONSOLE BOX FRONT** (See page 71-16)
9. **REMOVE AIR DUCT REAR NO.1** (See page 55-34)
10. **REMOVE AIR DUCT REAR NO.2** (See page 55-34)
11. **REMOVE CONSOLE BOX DUCT NO.1 (A/T TRANSAXLE)** (See page 55-34)



12. REMOVE AIR BAG SENSOR ASSY CENTER

- (a) Disconnect the holder (with connectors) from the airbag sensor assy center.
- (b) Remove the 3 bolts and the airbag sensor assy center.

13. INSPECT AIR BAG SENSOR ASSY CENTER (See page 60-17)

14. INSTALL AIR BAG SENSOR ASSY CENTER

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.

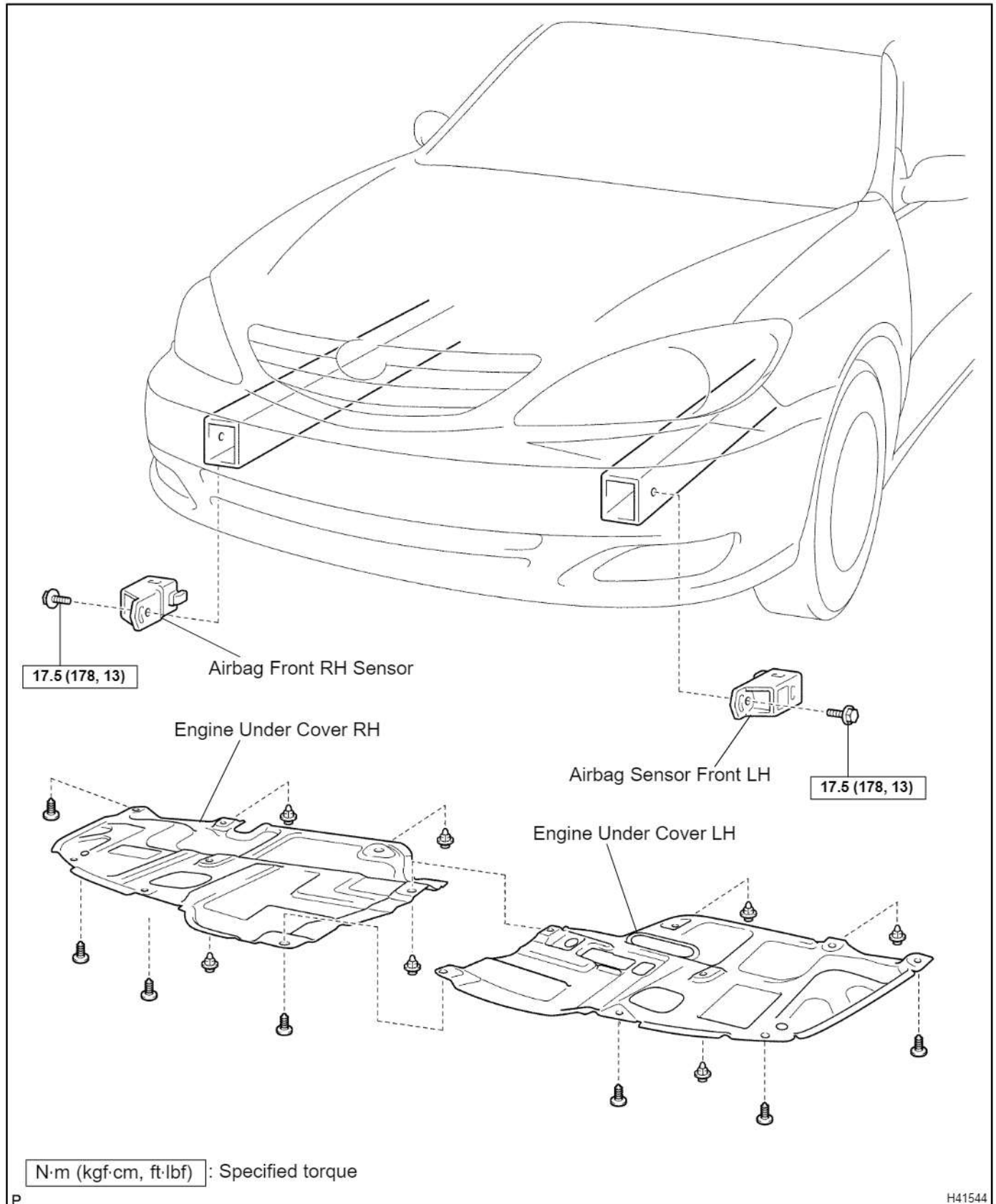
- (c) Temporarily install the airbag sensor assy center with the 3 bolts.

NOTICE:

- If the airbag sensor assy center has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the airbag sensor assy center with a new one.
 - When installing the airbag sensor assy center, be careful that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Tighten the 3 bolts to the specified torque.
Torque: 17.5 N·m (178 kgf·cm, 13 ft·lbf)
 - (e) Connect the holder (with connectors) to the airbag sensor assy center.
 - (f) Check that there is no looseness in the installation parts of the airbag sensor assy center.
 - (g) Check that the water-proof sheet is properly set.
15. **CONNECT BATTERY NEGATIVE TERMINAL**
 16. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

AIR BAG FRONT RH SENSOR COMPONENTS

60075-03

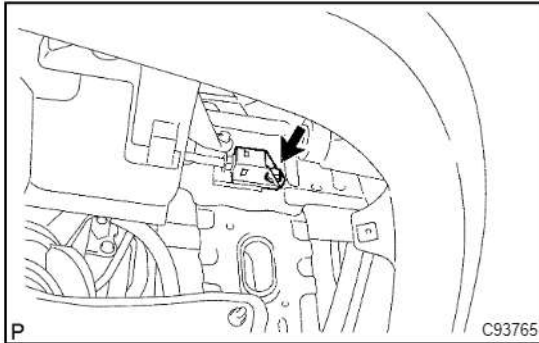


REPLACEMENT

HINT:

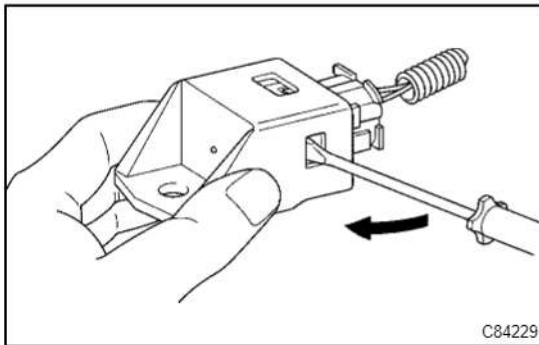
COMPONENTS: See page 60-60

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE ENGINE UNDER COVER RH** (See page 14-29)



4. REMOVE AIR BAG FRONT RH SENSOR

- (a) Remove the bolt and front airbag sensor RH.



- (b) Disconnect the connector from the front airbag sensor RH.

HINT:

Insert a screw driver in any of the three opening sections of the sensor and slide the sensor to disconnect it from the connector.

5. **INSPECT AIR BAG FRONT RH SENSOR** (See page 60-17)
6. **INSTALL AIR BAG FRONT RH SENSOR**
 - (a) Check that the ignition switch is OFF.
 - (b) Check that the battery negative (-) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Install the front airbag sensor RH with the bolt.
Torque: 17.5 N·m (178 kgf·cm, 13 ft·lbf)
 - (d) Connect the connector to the front airbag sensor RH.
 - (e) Check that no play is identified.
7. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

AIR BAG SENSOR FRONT LH

COMPONENTS

6007U-03

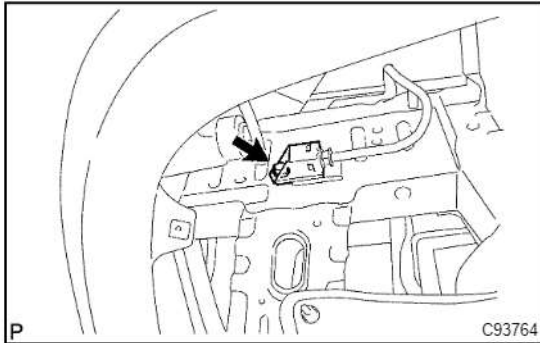
(See page [60-60](#))

REPLACEMENT

HINT:

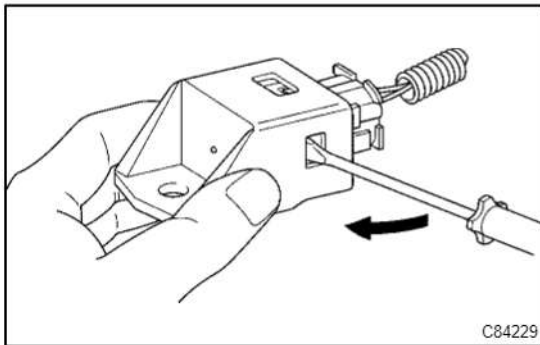
COMPONENTS: See page 60-60

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE ENGINE UNDER COVER LH** (See page 72-32)



4. REMOVE AIR BAG SENSOR FRONT LH

- (a) Remove the bolt and front airbag sensor LH.



- (b) Disconnect the connector from the front airbag sensor LH.

HINT:

Insert a screw driver in any of the three opening sections of the sensor and slide the sensor to disconnect it from the connector.

5. **INSPECT AIR BAG SENSOR FRONT LH** (See page 60-17)
6. **INSTALL AIR BAG SENSOR FRONT LH**
 - (a) Check that the ignition switch is off.
 - (b) Check that the battery negative (-) terminal is disconnected.

NOTICE:

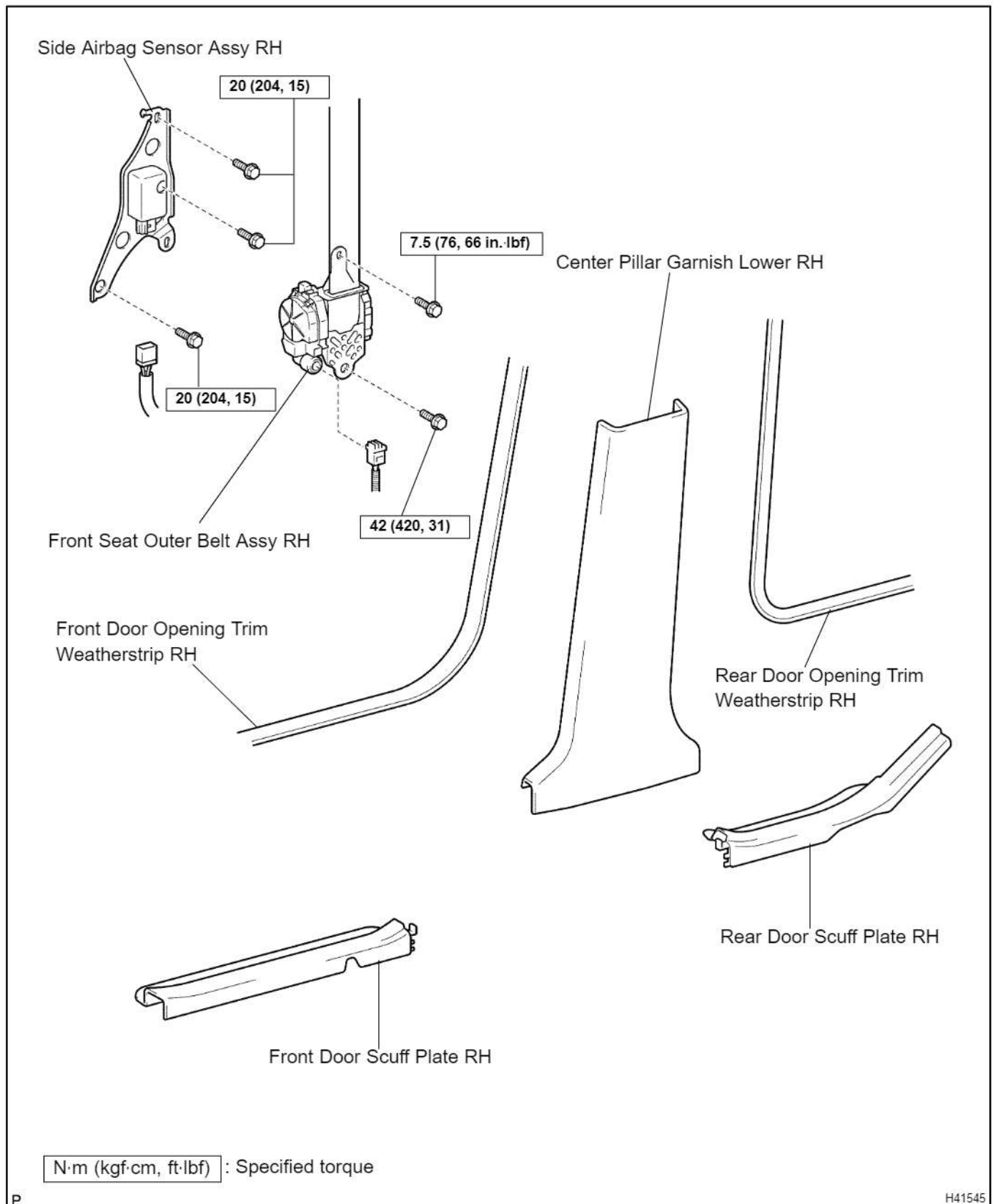
Do not start the operation for 90 seconds after removing the terminal.

- (c) Install the front airbag sensor LH with the bolt.
Torque: 17.5 N·m (178 kgf·cm, 13 ft·lbf)
- (d) Connect the connector to the front airbag sensor LH.
- (e) Check that no play is identified.
7. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

SIDE AIR BAG SENSOR ASSY RH

COMPONENTS

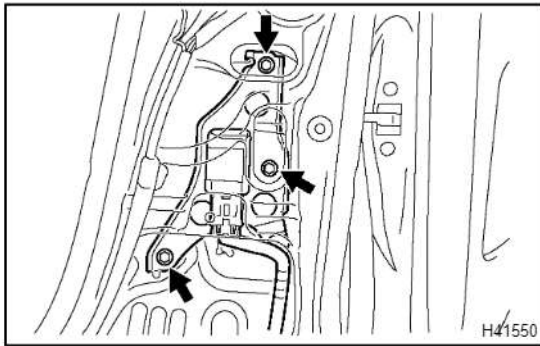
600R-01



REPLACEMENT

HINT:

- Replacement procedure of the LH side is the same as that for the RH side.
 - Installation is in the reverse order of removal.
1. **PRECAUTION** (See page 60-1)
 2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
 3. **REMOVE FRONT DOOR SCUFF PLATE RH** (See page 76-22)
 4. **REMOVE REAR DOOR SCUFF PLATE RH** (See page 76-22)
 5. **REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP RH** (See page 61-5)
 6. **REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP RH** (See page 61-5)
 7. **REMOVE CENTER PILLAR GARNISH LOWER RH** (See page 61-5)
 8. **REMOVE FRONT SEAT OUTER BELT ASSY RH** (See page 61-5)



9. **REMOVE SIDE AIR BAG SENSOR ASSY RH**
 - (a) Disconnect the connector from the side airbag sensor assy RH.
 - (b) Remove the 3 bolts and the side airbag sensor assy RH.

10. **INSTALL SIDE AIR BAG SENSOR ASSY RH**

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.

- (c) Install the side airbag sensor assy RH with the 3 bolts.

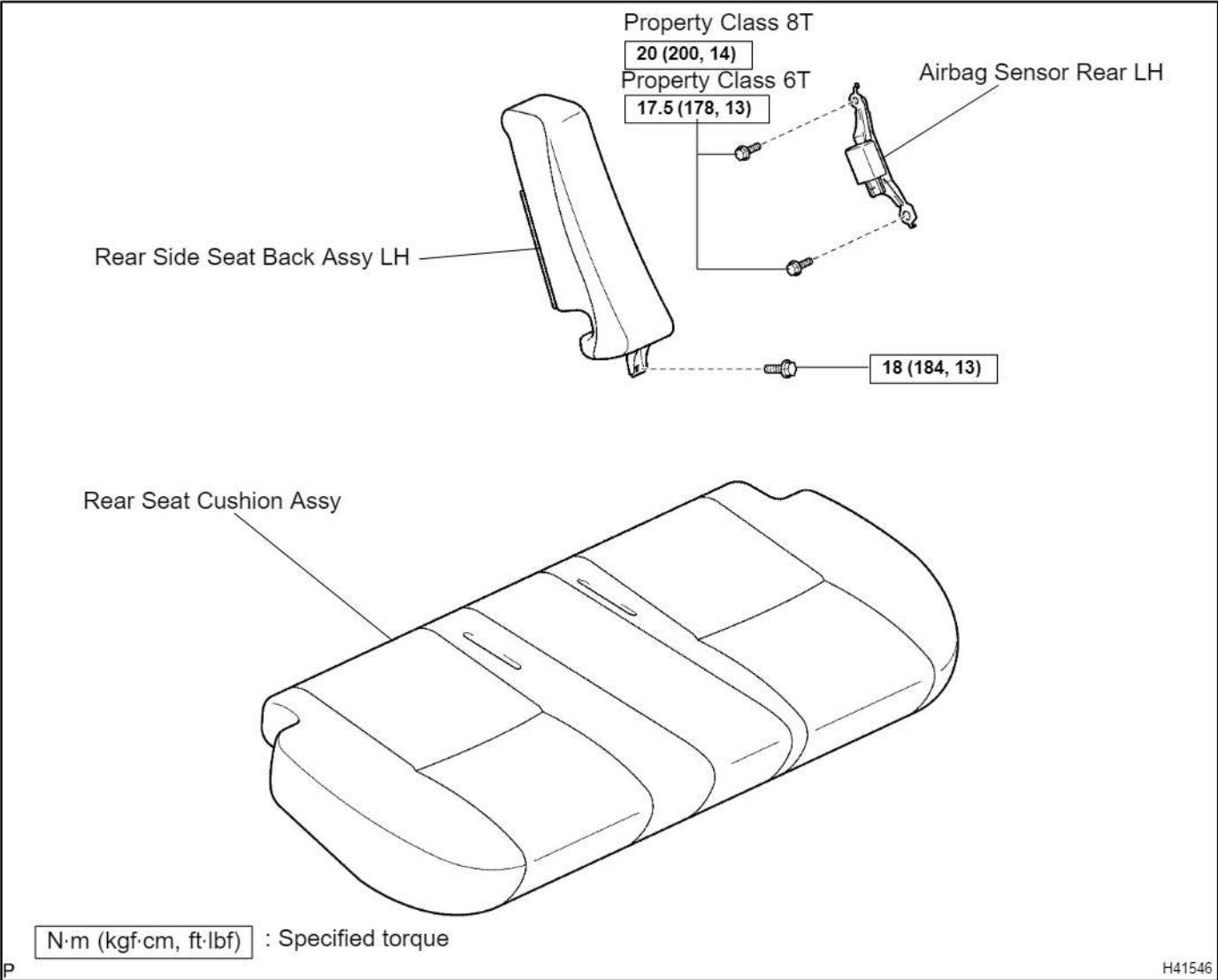
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

NOTICE:

- If the side airbag sensor assy RH has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the side airbag sensor assy RH with a new one.
 - When installing the side airbag sensor assy RH, be careful that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector to the side airbag sensor assy RH.
 - (e) Check that there is no looseness in the installation parts of the side airbag sensor assy RH.
11. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

AIR BAG SENSOR REAR LH COMPONENTS

6007Y-02



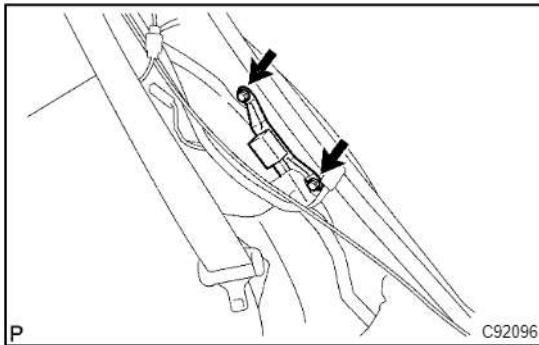
H41546

REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that for the LH side.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE REAR SEAT CUSHION ASSY** (See page 72-32)
4. **REMOVE REAR SIDE SEAT BACK ASSY LH** (See page 72-32)



5. **REMOVE AIR BAG SENSOR REAR LH**
 - (a) Disconnect the connector from the airbag sensor rear LH.
 - (b) Remove the 2 bolts and the airbag sensor rear LH.

6. **INSTALL AIR BAG SENSOR REAR LH**

- (a) Check that the ignition switch is off.
 - (b) Check that the battery negative (-) terminal is disconnected.

NOTICE:

After removing the terminal wait for at least 90 seconds before starting the operation.

- (c) Install the airbag sensor rear LH with the 2 bolts.

Torque:

Property class 6T: 17.5 N·m (178 kgf·cm, 13 ft·lbf)

Property class 8T: 20 N·m (200 kgf·cm, 14 ft·lbf)

HINT:

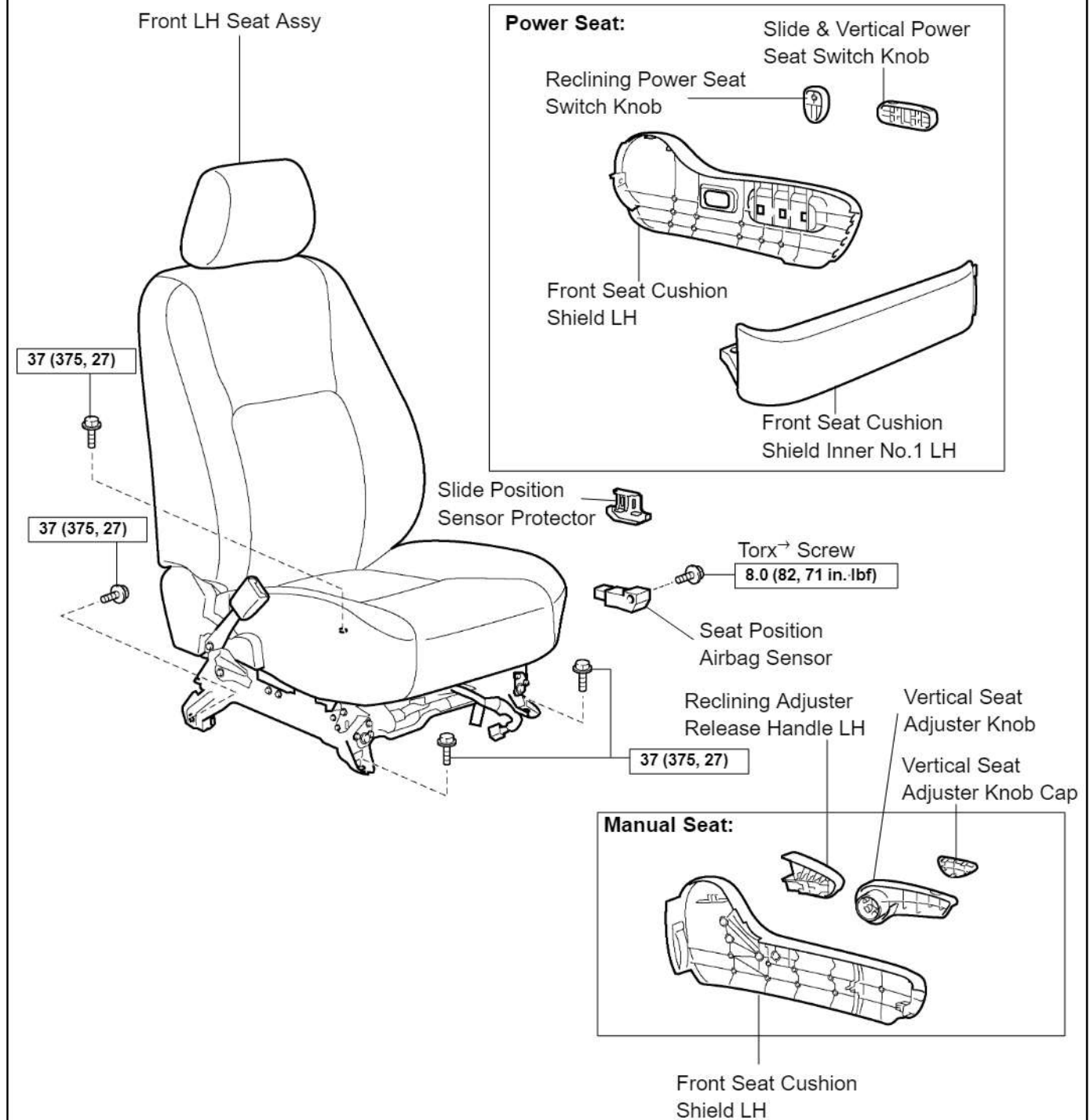
Select a suitable bolt (See page 03-2).

NOTICE:

- If the airbag sensor rear LH has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the airbag sensor rear LH with a new one.
 - When installing the airbag sensor rear LH, be careful that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector to the airbag sensor rear LH.
 - (e) Check that there is no looseness in the installation parts of the airbag sensor rear LH.
 7. **INSPECT AIR BAG SENSOR REAR LH** (See page 60-17)
 8. **INSTALL REAR SIDE SEAT BACK ASSY LH** (See page 72-32)
 9. **INSPECT SRS WARNING LIGHT** (See page 05-1456)

SEAT POSITION AIR BAG SENSOR (From July, 2003) COMPONENTS

60091-07



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

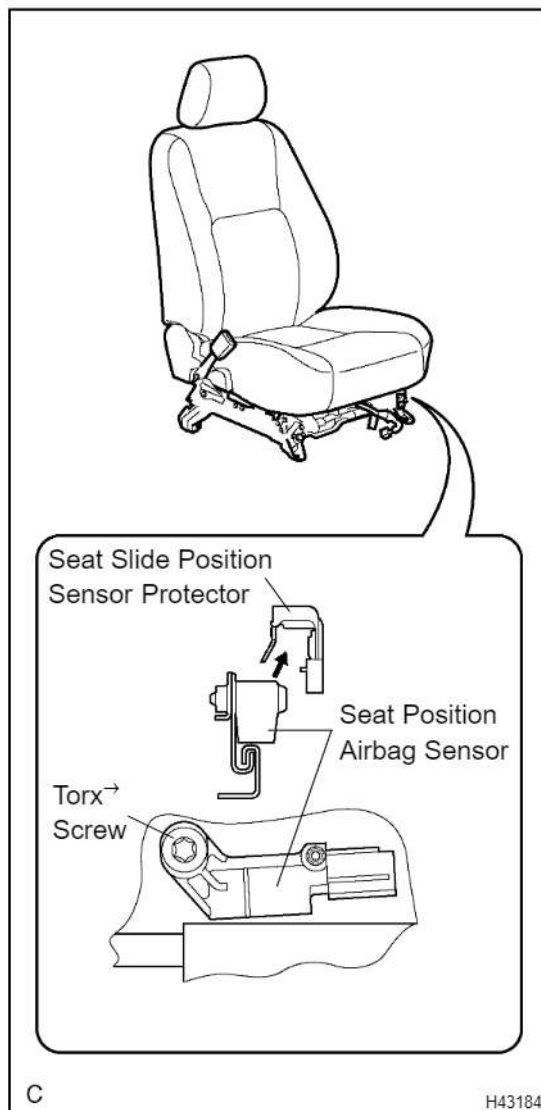
H43183

REPLACEMENT

HINT:

Installation is in the reverse order of removal.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE FRONT SEAT ASSY LH** (See page 72-23 (POWER SEAT) OR 72-15 (MANUAL SEAT))
4. **REMOVE RECLINING POWER SEAT SWITCH KNOB** (POWER SEAT) (See page 72-23)
5. **REMOVE SLIDE & VERTICAL POWER SEAT SWITCH KNOB** (POWER SEAT) (See page 72-23)
6. **REMOVE FRONT SEAT CUSHION SHIELD INNER NO.1 LH** (POWER SEAT) (See page 72-23)
7. **REMOVE FRONT SEAT CUSHION SHIELD LH** (POWER SEAT) (See page 72-23)
8. **REMOVE RECLINING ADJUSTER RELEASE HANDLE LH** (MANUAL SEAT) (See page 72-15)
9. **REMOVE VERTICAL SEAT ADJUSTER KNOB CAP** (MANUAL SEAT) (See page 72-15)
10. **REMOVE VERTICAL SEAT ADJUSTER KNOB** (MANUAL SEAT) (See page 72-15)
11. **REMOVE FRONT SEAT CUSHION SHIELD LH** (MANUAL SEAT) (See page 72-15)



12. REMOVE SEAT SLIDE POSITION SENSOR PROTECTOR

- (a) Remove the seat slide position sensor protector from the seat position airbag sensor.

13. REMOVE SEAT POSITION AIR BAG SENSOR

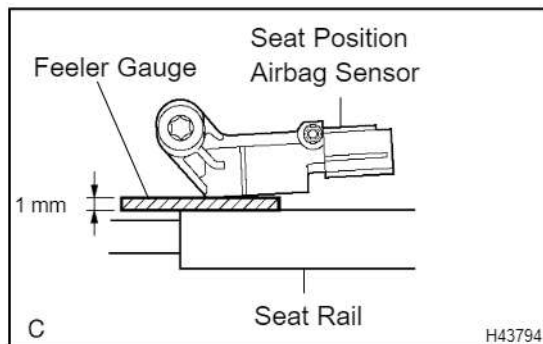
- (a) Disconnect the connector from the seat position airbag sensor.
- (b) Using a torx[→] socket wrench (T30), remove the torx[→] screw and the seat position airbag sensor.

14. INSTALL SEAT POSITION AIR BAG SENSOR

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.



- (c) Using a feeler gauge 1 mm (0.039 in.), install the seat position airbag sensor.

NOTICE:

- If the seat position airbag sensor has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the seat position airbag sensor with a new one.
- When installing the seat position airbag sensor, be careful that the SRS wiring does not interfere with other parts and is not pinched between other parts.

HINT:

Be sure to maintain a clearance between the seat position airbag sensor and the seat rail is within 0.6 mm (0.023 in.) to 2 mm (0.079 in.).

- (d) Using a torx[®] socket wrench, tighten the torx[®] screw to install the seat position airbag sensor.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)

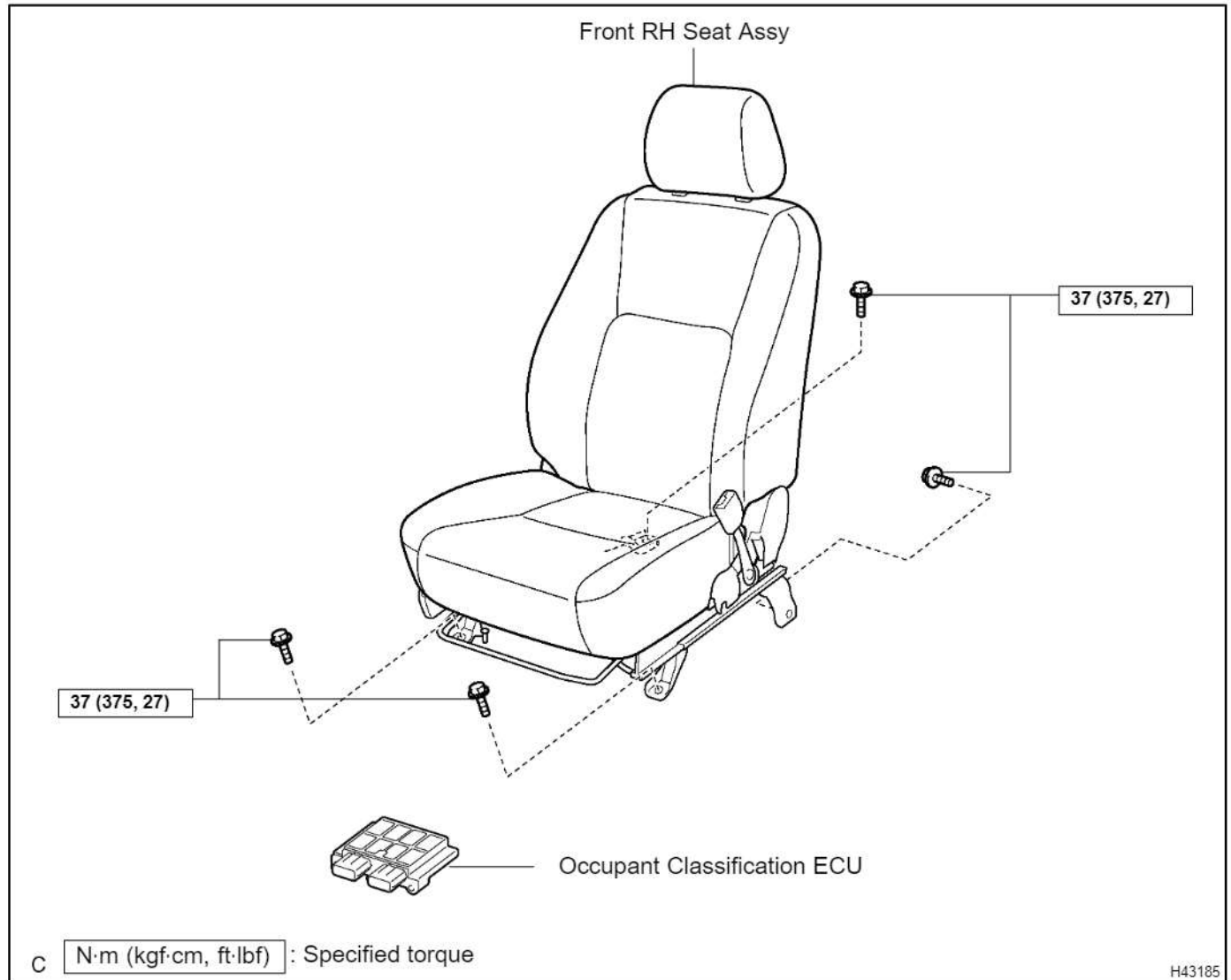
- (e) Make sure that a clearance between the seat position airbag sensor and the seat rail is within 0.6 mm (0.023 in.) to 2 mm (0.079 in.).
- (f) Connect the connector to the seat position airbag sensor.
- (g) Check that there is no looseness in the installation parts of the seat position airbag sensor.

15. INSTALL FRONT SEAT ASSY LH (See page 72-23 (POWER SEAT) OR 72-15 (MANUAL SEAT))

16. INSPECT SRS WARNING LIGHT (See page 05-1456)

OCCUPANT CLASSIFICATION ECU (From July, 2003) COMPONENTS

600KX-03



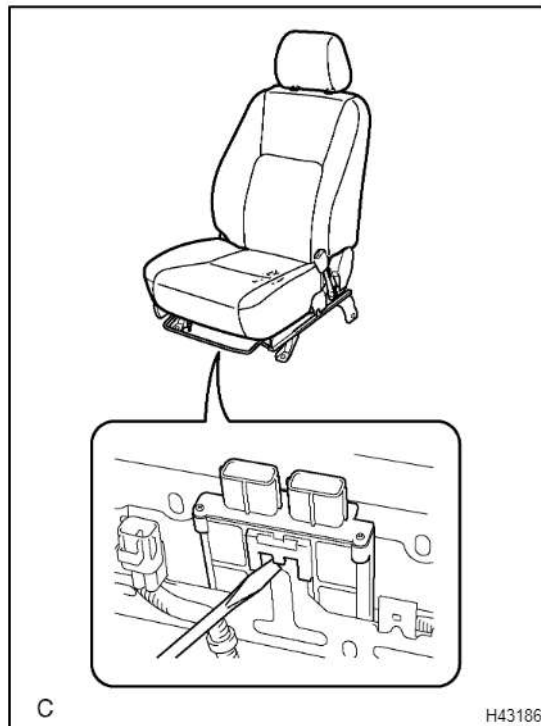
H43185

REPLACEMENT

HINT:

Installation is in the reverse order of removal.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE FRONT RH SEAT ASSY** (See page 72-15)



4. REMOVE OCCUPANT CLASSIFICATION ECU

- (a) Disconnect the connectors from the occupant classification ECU.
- (b) Using a screwdriver, remove the occupant classification ECU.

5. INSTALL OCCUPANT CLASSIFICATION ECU

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

CAUTION:

After removing the terminal, wait for at least 90 seconds before starting the operation.

- (c) Install the occupant classification ECU.
- (d) Connect the connectors to the occupant classification ECU.

NOTICE:

- If the occupant classification ECU has been dropped, or there are cracks, dents or other defects in the case, bracket or connector, replace the occupant classification ECU with a new one.
 - When installing the occupant classification ECU, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
6. **INSTALL FRONT RH SEAT ASSY** (See page 72-15)
 7. **OCCUPANT CLASSIFICATION ECU INITIALIZATION** (See page 05-1452)
 8. **INSPECT SRS WARNING LIGHT** (See page 05-1456)