

# Restraints

## Restraints

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## Seat Belts

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## SRS (Supplemental Restraint System)

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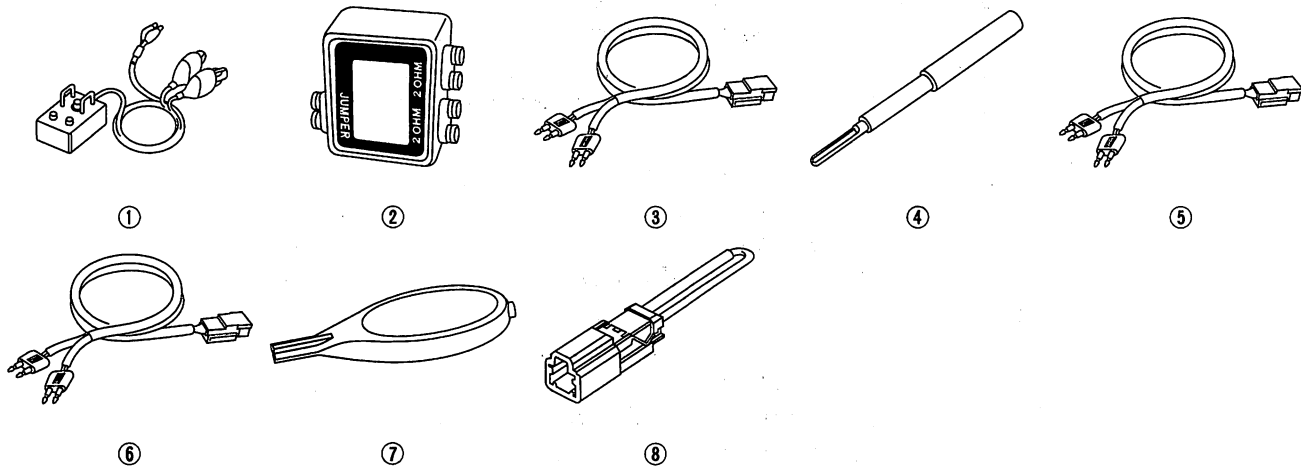


# Restraints

## Special Tools

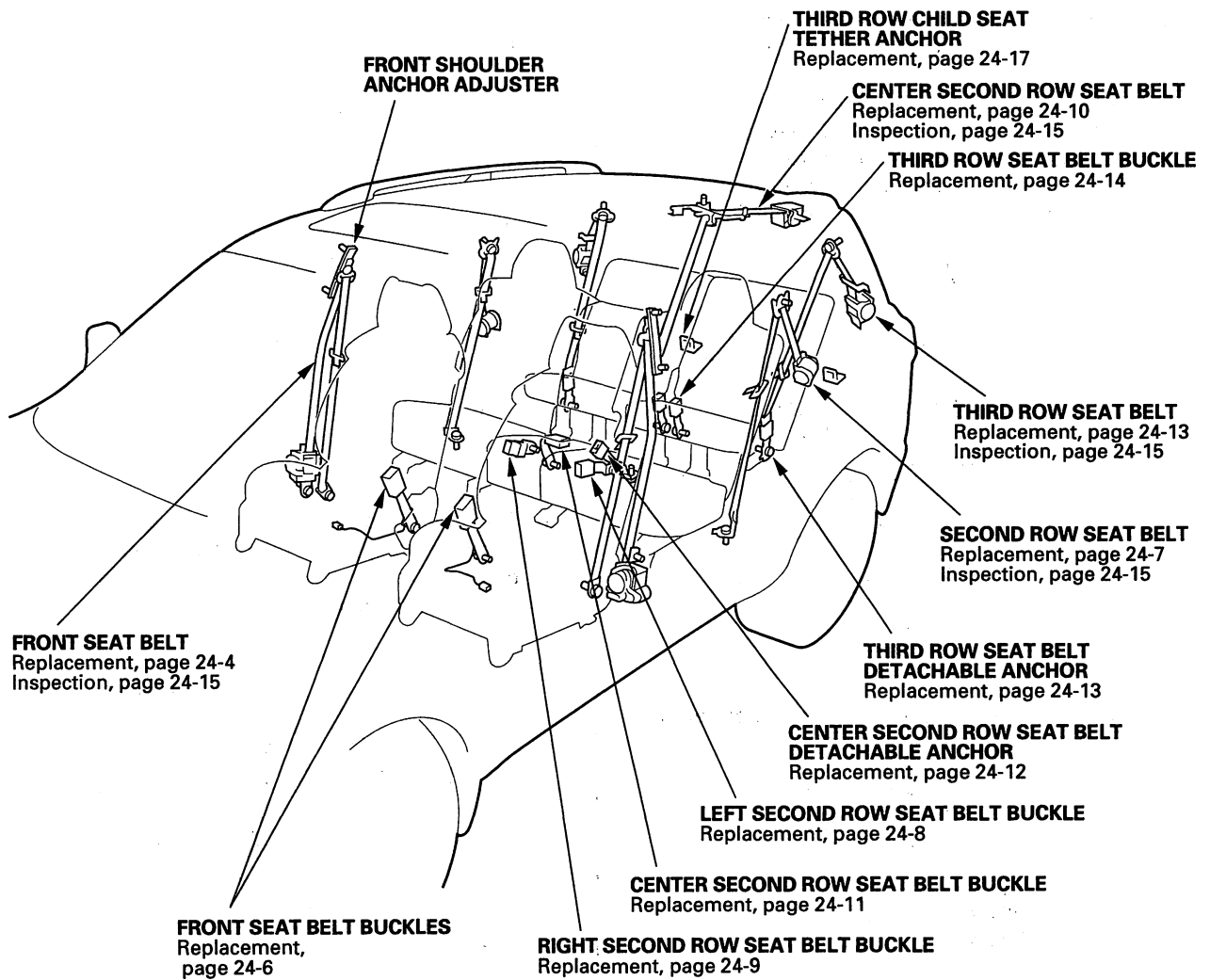
| Ref. No. | Tool Number   | Description              | Qty |
|----------|---------------|--------------------------|-----|
| ①        | 07HAZ-SG00500 | Deployment Tool          | 1   |
| ②        | 07SAZ-TB4011A | SRS Inflator Simulator   | 1   |
| ③        | 070AZ-SNAA100 | SRS Simulator Lead J     | 1   |
| ④        | 07TAZ-001020A | Backprobe Adapter, 17 mm | 2   |
| ⑤        | 070AZ-SNAA200 | SRS Simulator Lead K     | 1   |
| ⑥        | 070AZ-SNAA300 | SRS Simulator Lead L     | 1   |
| ⑦        | 070AZ-SAA0100 | SRS Short Cancellor      | 2   |
| ⑧        | 07PAZ-0010100 | SCS Service Connector    | 1   |

\* : Use with the stacking patch cords from T/N 07SAZ-001000A, Backprobe Set.





## Component Location Index



# Seat Belts

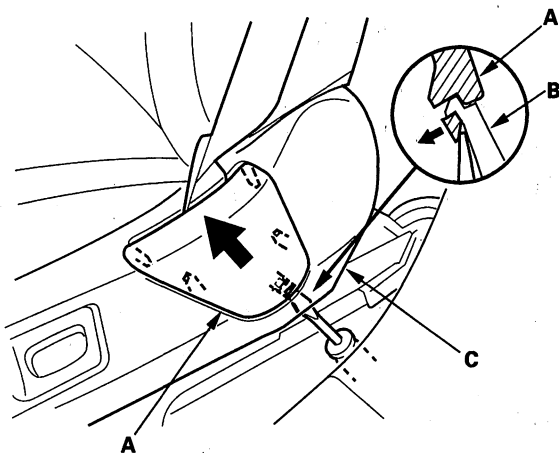
## Front Seat Belt Replacement

SRS components are located in this area. Review the SRS component locations (see page 24-18) and the precautions and procedures (see page 24-20) before doing repairs or service.

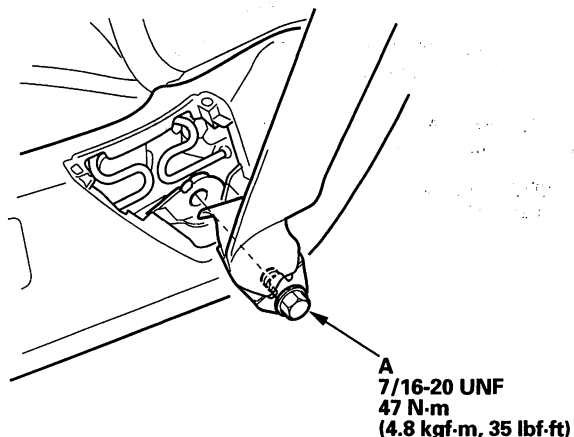
NOTE: Check the front seat belts for damage (see page 24-15), and replace them if necessary.

### Front Seat Belt

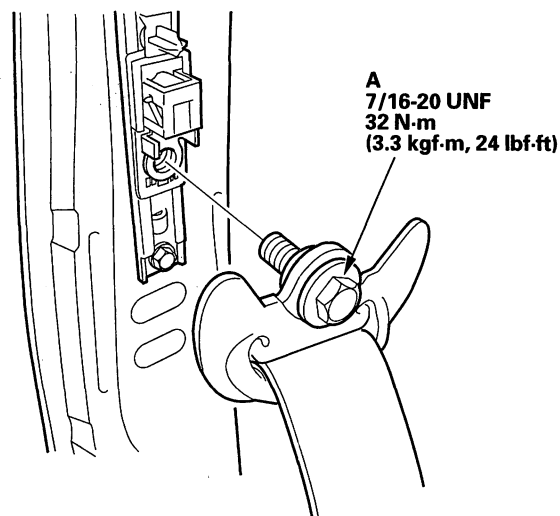
1. Make sure you have the anti-theft codes for the audio and the navigation system (if equipped).
2. Slide the front seat all the way forward, and adjust the seat to its maximum height. Carefully pry up on the bottom of the anchor cover (A) to release the tab (B) with a small flat-tip screwdriver from below inside the recline cover (C), then remove it.



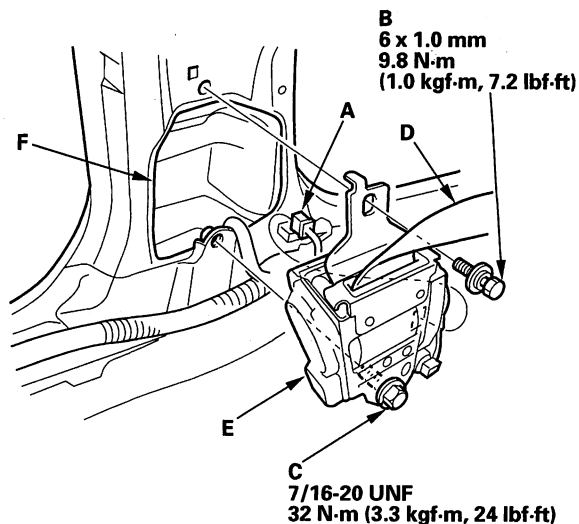
3. Adjust the seat to its minimum height, then remove the lower anchor bolt (A).



4. Disconnect the negative cable from the battery, and wait at least 3 minutes before removing the front seat belt.
5. Remove the B-pillar lower trim (see page 20-82).
6. Remove the B-pillar upper trim (see page 20-82).
7. Remove the upper anchor bolt (A).



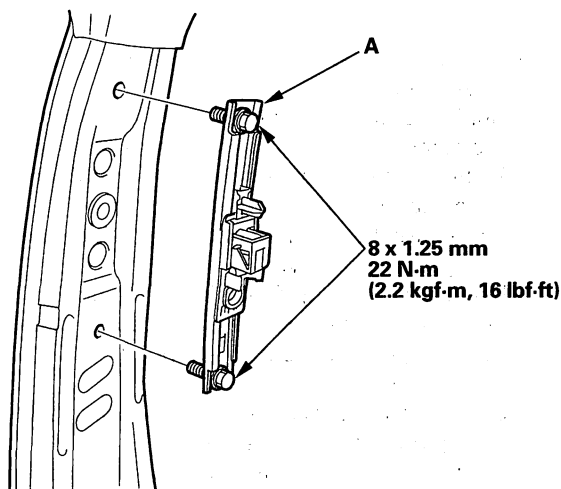
8. Disconnect the seat belt tensioner connector (A). Remove the upper retractor mounting bolt (B) and the lower retractor bolt (C), then remove the front seat belt (D) and retractor (E).



9. If necessary, remove the front seat belt protector (F).



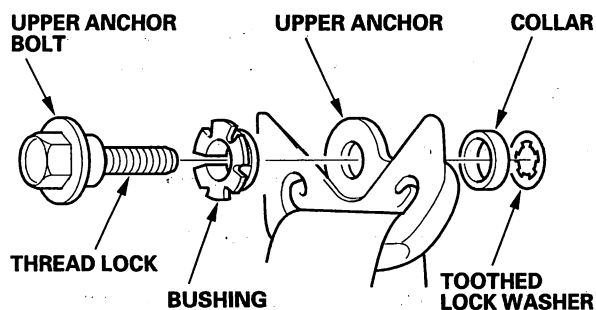
10. Remove the shoulder anchor adjuster (A).



11. Install the seat belt in the reverse order of removal, and note these items:

- Apply medium strength type liquid thread lock to the anchor bolts before reinstallation.
- Tighten the bolts by hand first, then tighten to the specified torque.
- Check that the retractor locking mechanism functions as described (see page 24-15).
- Assemble the washer, collar, and bushing on the upper anchor bolt as shown.
- If the seat belt tensioner has been deployed, replace the front seat belt protector with a new one.
- Before installing the anchor bolts, make sure there are no twists or kinks in the seat belt.
- Make sure the seat belt tensioner connector is properly plugged in.
- Reconnect the negative cable to the battery.
- Enter the anti-theft codes for the audio and the navigation system (if equipped).
- Set the clock.
- Check for any DTCs that may have been set during repairs, and clear them.
- Do the steering column position memorization (see page 17-28).

#### Upper anchor bolt installation



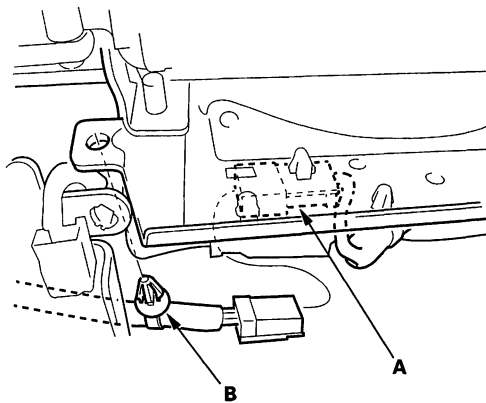
(cont'd)

# Seat Belts

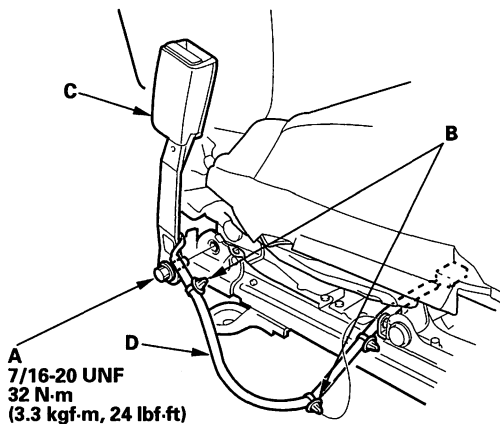
## Front Seat Belt Replacement (cont'd)

### Seat Belt Buckle

1. Make sure you have the anti-theft codes for the audio system and the navigation system (if equipped).
2. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
3. Remove the front seat (see page 20-141).
4. Remove the center cover (see step 4 on page 20-144).
5. Lift up the front seat, then disconnect the seat belt buckle switch connector (A) and detach the harness clip (B). The driver's seat is shown; the passenger's seat is similar.



6. Remove the center anchor bolt (A) and detach the harness clips (B), then remove the seat belt buckle (C).

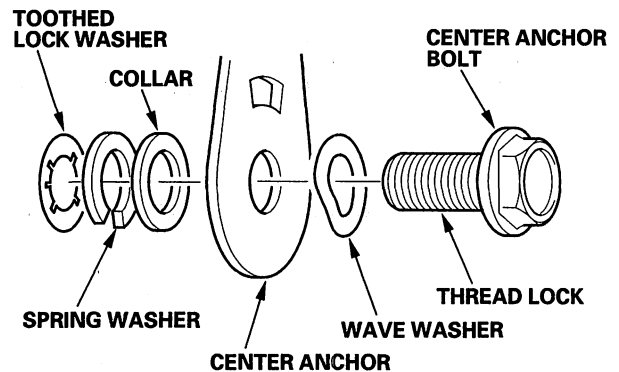


7. Pull the seat belt buckle switch harness (D) out through the space between the seat cushion and the seat linkage.

8. Install the buckle in the reverse order of removal, and note these items:

- Assemble the washers on the center anchor bolt as shown.
- Apply medium strength type liquid thread lock to the center anchor bolt before reinstallation.
- Tighten the bolts by hand first, then tighten to specification with a torque wrench.
- Make sure the seat belt buckle switch connector is plugged in properly.
- Reconnect the negative cable to the battery.
- Enter the anti-theft codes for the audio system and the navigation system (if equipped).
- Set the clock.
- Check for any DTCs that may have been set during repairs, and clear them.
- Do the steering column position memorization (see page 17-28).

### Center anchor bolt installation



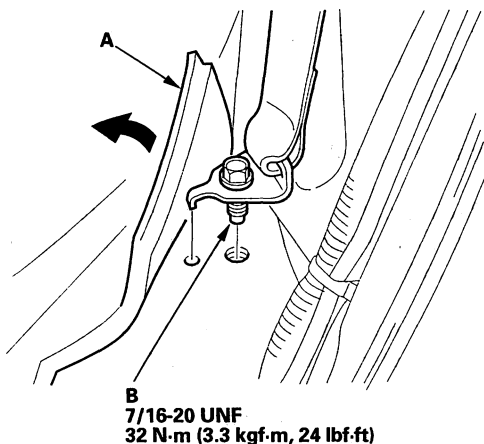


## Second Row Seat Belt Replacement

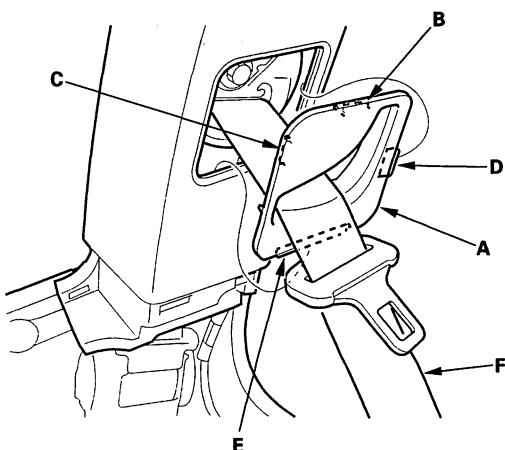
NOTE: Check the second row seat belts for damage (see page 24-15), and replace them if necessary.

### Second Row Seat Belt

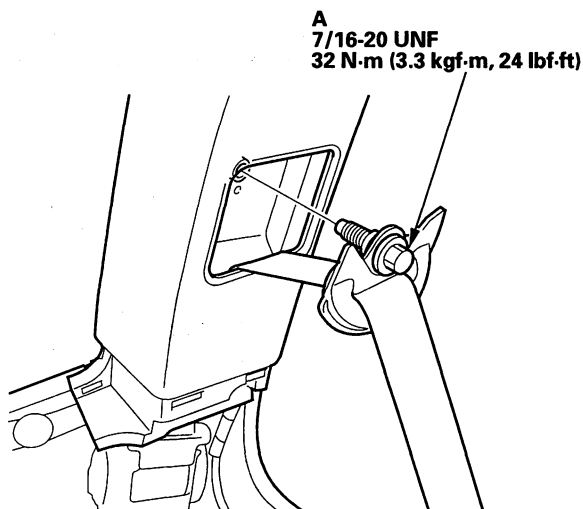
1. Slide the second row seat forward fully.
2. Remove the rear side trim panel (see page 20-92).
3. Pull the carpet (A) back, and remove the lower anchor bolt (B).



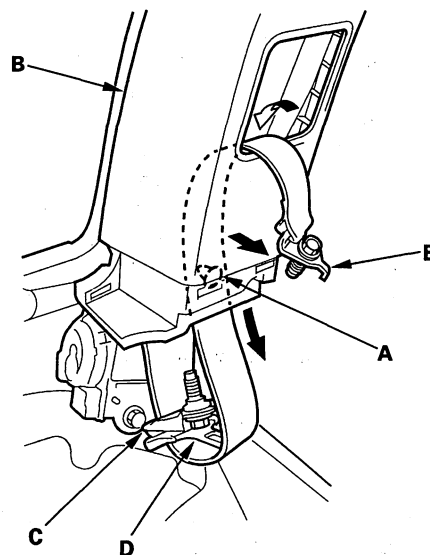
4. Remove the seat belt exit C-pillar cap (A).
  - 1 Pull out the rear upper corner of the cap to release the upper hook (B) and the rear hook (C).
  - 2 Release the front hook (D) and lower hook (E) together by pulling the cap upward and rearward.
  - 3 Take the cap off the second row seat belt (F).



5. Remove the upper anchor bolt (B).



6. Detach the clip (A) by pulling the bottom of the quarter pillar trim (B) back. While holding the trim away from the C-pillar, pull the second row seat belt, upper anchor (C), tongue plate (D), and the lower anchor (E) into the trim, and pull the entire second row seat belt down.

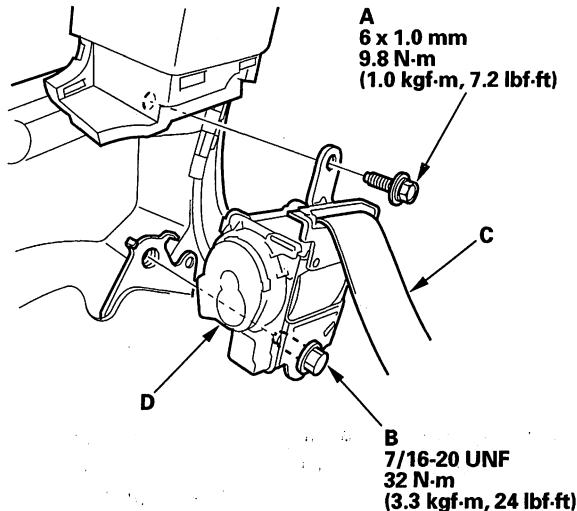


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# Seat Belts

## Second Row Seat Belt Replacement (cont'd)

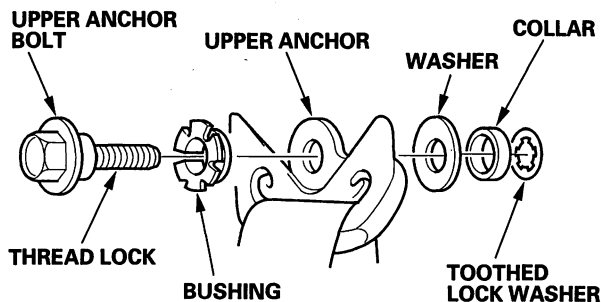
7. Remove the upper retractor mounting bolt (A) and the lower retractor bolt (B), then remove the front seat belt (C) and retractor (D). The left second row seat belt is shown; the right second row seat belt is similar.



8. Install the seat belt in the reverse order of removal, and note these items:

- Apply medium strength type liquid thread lock to the anchor bolts before reinstallation.
- Tighten the bolts by hand first, then tighten to the specified torque.
- Check that the retractor locking mechanism functions (see page 24-15).
- Assemble the washers, collar, and bushing on the upper anchor bolt as shown.
- Before installing the anchor bolts, make sure there are no twists or kinks in the front seat belt.

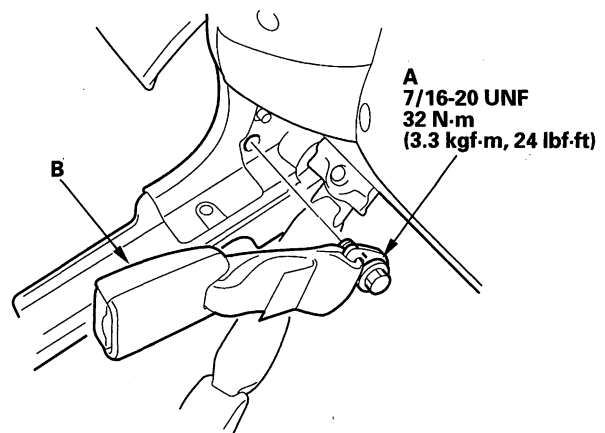
### Upper anchor bolt installation



## Left Seat Belt Buckle

NOTE: Take care not to tear the seams or damage the seat covers.

1. Remove the left second row seat (see page 20-156).
2. From under the seat cushion, release the hooks of the back cover carpet from the seat cushion frame, then pull the carpet back (see step 2 on page 20-158).
3. With seat heater: Disconnect the seat cushion heater connector, and remove the wire ties (see step 3 on page 20-158).
4. Remove these items:
  - Recline outer cover (see step 4 on page 20-162).
  - ISO fix bracket outer cover (see step 6 on page 20-159).
5. Remove the seat cushion from the left second row seat (see step 10 on page 20-160).
6. Remove the center anchor bolt (A), and remove the seat belt buckle (B).

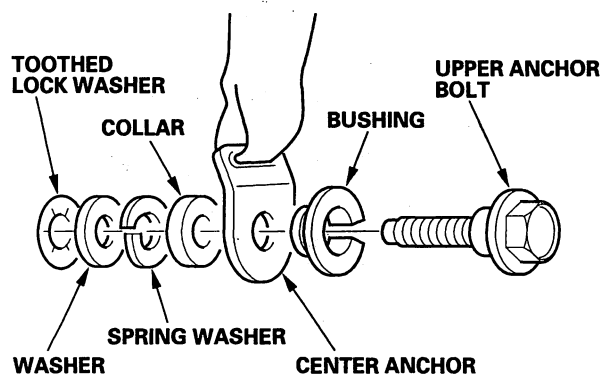




7. Install the buckle in the reverse order of removal, and note these items:

- Apply medium strength type liquid thread lock to the anchor bolt before reinstallation.
- Assemble the washers, collar and bushing on the center anchor bolt as shown.

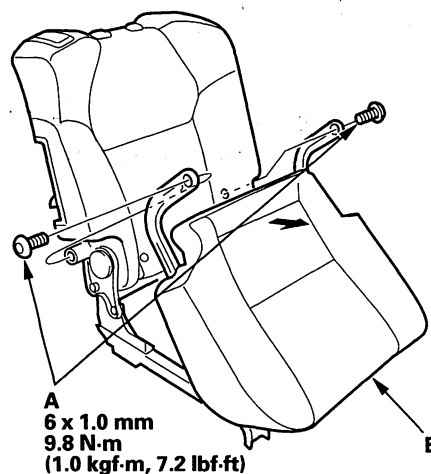
#### Center anchor bolt installation



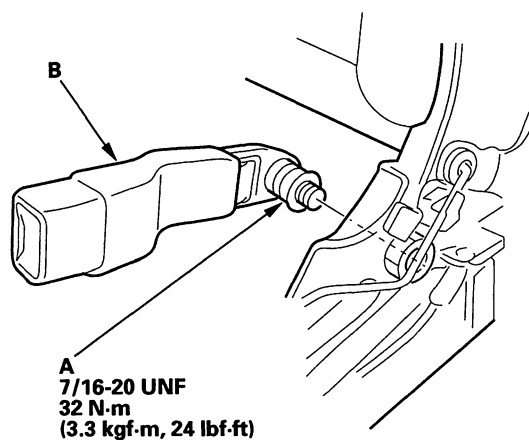
#### Right Seat Belt Buckle

NOTE: Take care not to tear the seams or damage the seat covers.

1. Remove the right second row seat (see page 20-156).
2. Remove these items:
  - Recline outer cover (see step 5 on page 20-162).
  - Center outer cover (see step 7 on page 20-163).
3. Using a TORX T30 bit, remove the pivot bolt (A), then carefully lift the seat cushion (B) up as needed.



4. Remove the center anchor bolt (A), and remove the seat belt buckle (B).

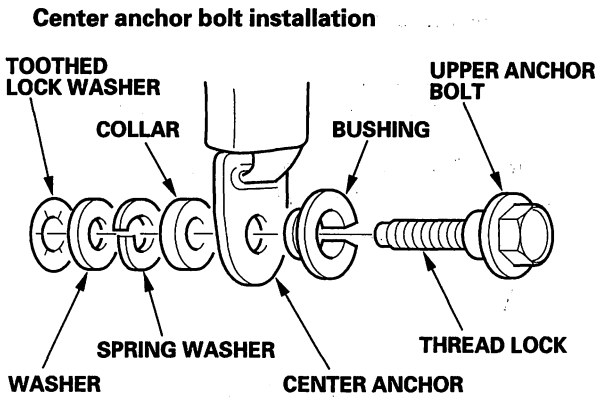


(cont'd)

# Seat Belts

## Second Row Seat Belt Replacement (cont'd)

5. Install the buckle in the reverse order of removal, and note these items:
- Apply medium strength type liquid thread lock to the anchor bolt before reinstallation.
  - Assemble the washers, collar, and bushing on the center anchor bolt as shown.

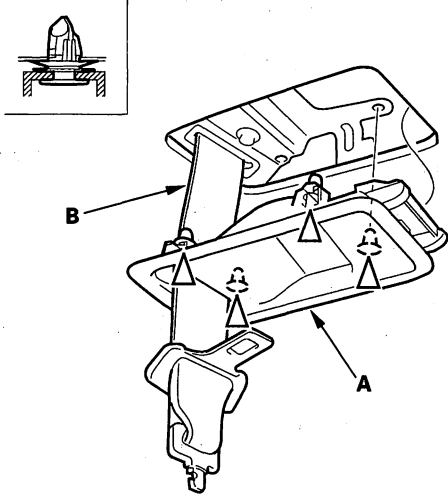


### Center Second Row Seat Belt

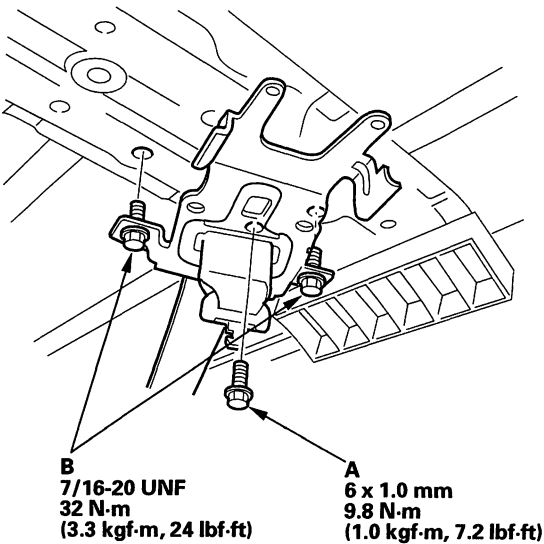
1. Detach the clips and remove the seat belt cover (A).

**Fastener Locations**

▷ : Clip, 4 (Green)

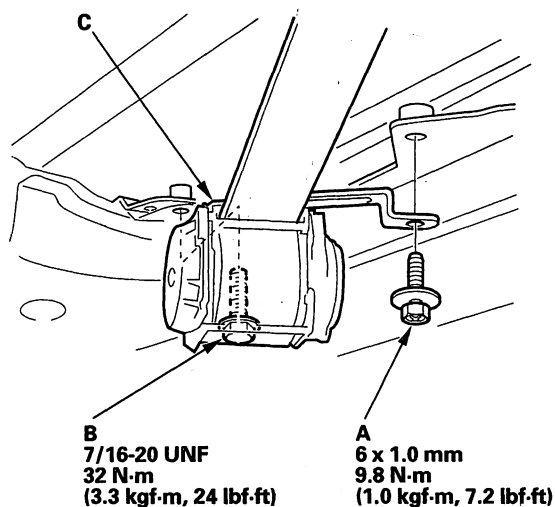


2. Remove the headliner (see page 20-101).
3. Remove the upper anchor mounting bolt (A) and upper anchor bolts (B), then remove the upper anchor (C).





4. Remove the retractor mounting bolt (A) and retractor bolt (B), then remove the retractor (C).



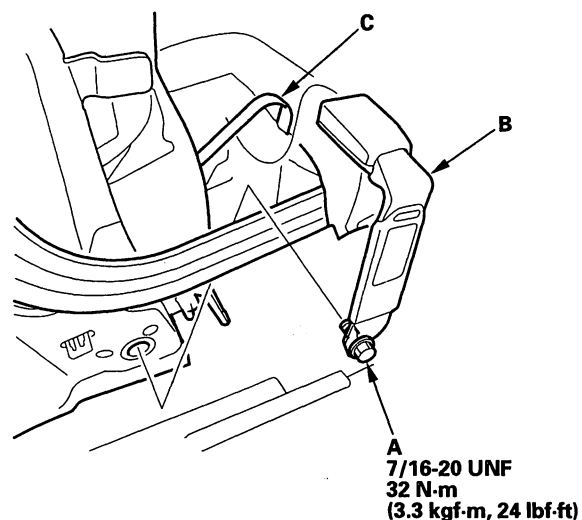
5. Install the center second row seat belt and retractor in the reverse order of removal, and note these items:

- If the clips are damaged or stress-whitened, replace them with new ones.
- Apply medium strength type liquid thread lock to the anchor bolts before reinstallation.
- Check that the retractor locking mechanism functions (see page 24-15).
- Before installing the upper anchor bolt, make sure there are no twists or kinks in the seat belt.

## Center Second Row Seat Belt Buckle

NOTE: Take care not to tear the seams or damage the seat covers.

1. Slide the right second row seat fully forward.
2. Remove the ISO fix bracket outer cover (see step 6 on page 20-159).
3. Remove the center anchor bolt (A), and remove the seat belt buckle (B) from the elastic strap (C), then remove it through the space between the link bracket and seat cushion.



4. Install the buckle in the reverse order of removal, and apply medium strength type liquid thread lock to the anchor bolt before reinstallation.

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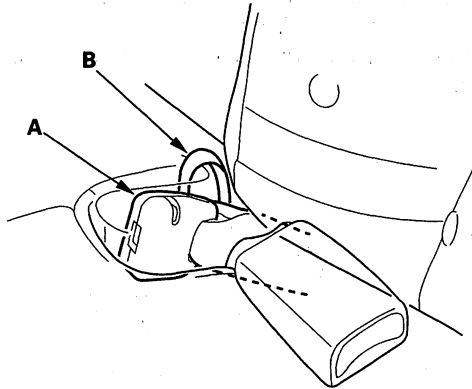
# Seat Belts

## Second Row Seat Belt Replacement (cont'd)

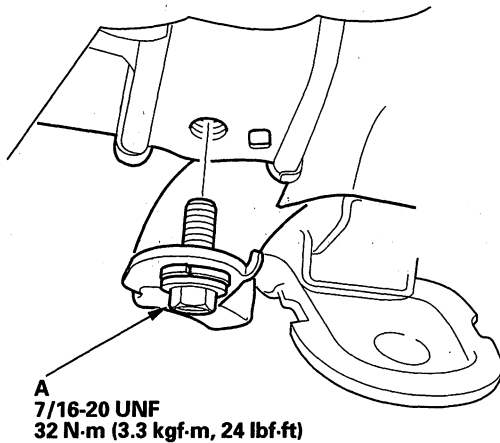
### Center Second Row Seat Belt Detachable Anchor

NOTE: Take care not to tear the seams or damage the seat covers.

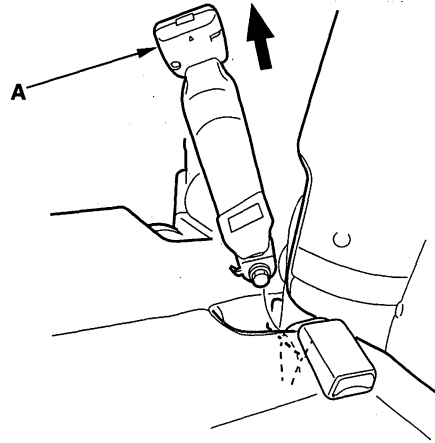
1. Remove the left second row seat (see page 20-156).
2. Remove the seat belt detachable anchor (A) from the elastic strap (B).



3. Remove the lower anchor bolt (A).



4. Remove the seat belt detachable anchor (A).



5. Install the detachable anchor in the reverse order of removal, and apply medium strength type liquid thread lock to the anchor bolt before reinstallation.

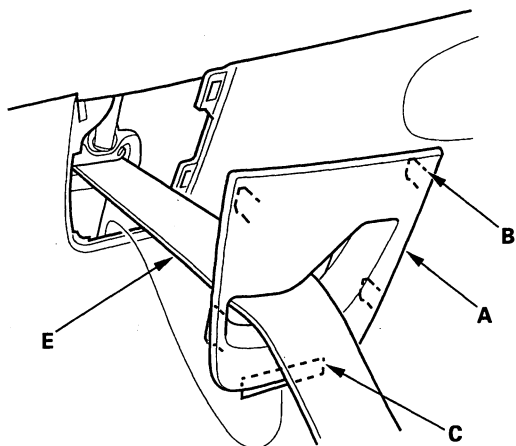


## Third Row Seat Belt Replacement

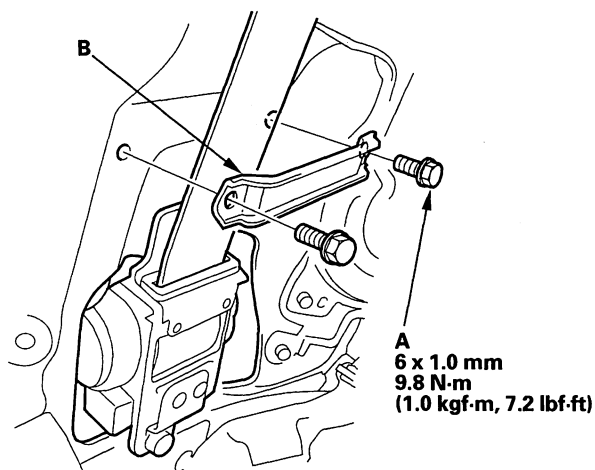
### Third Row Seat Belt

NOTE: Check the third row seat belts for damage (see page 24-15), and replace them if necessary.

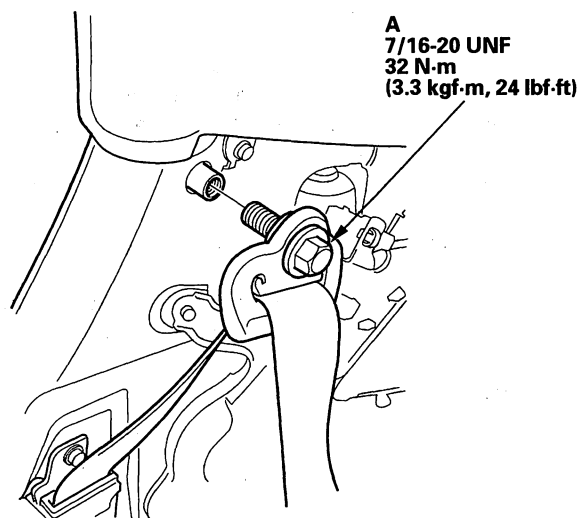
1. Detach the third row seat belt lower anchor.
2. Remove the rear side trim panel (see page 20-92).
3. Remove the seat belt exit D-pillar cap (A).
  - 1 Pull out the top of the cap to release the hooks (B).
  - 2 Release the lower hook (C) by pulling the cap upward.
  - 3 Take the cap off the second row seat belt (E).



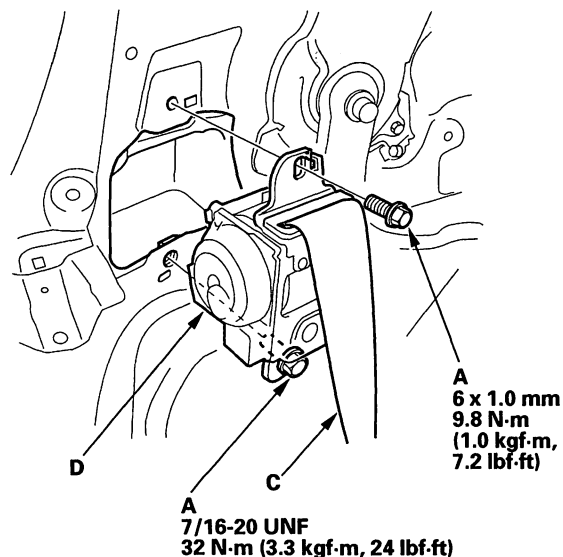
4. Remove the quarter pillar trim (see page 20-85).
5. Remove the bolts (A) and the seat belt guide (B).



6. Remove the upper anchor bolt (A).



7. Remove the retractor mounting bolt (A) and the retractor bolt (B), then remove the third row seat belt (C) and retractor (D).



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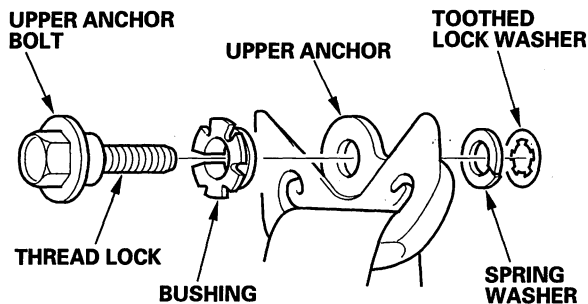
# Seat Belts

## Third Row Seat Belt Replacement (cont'd)

8. Install the seat belt in the reverse order of removal, and note these items:

- Apply medium strength type liquid thread lock to the anchor bolts before reinstallation.
- Tighten the bolts by hand first, then tighten to the specified torque.
- Check that the retractor locking mechanism functions as described (see page 24-15).
- Assemble the washers and bushing on the upper anchor bolt as shown.
- Before installing the anchor bolt, make sure there are no twists or kinks in the seat belt.

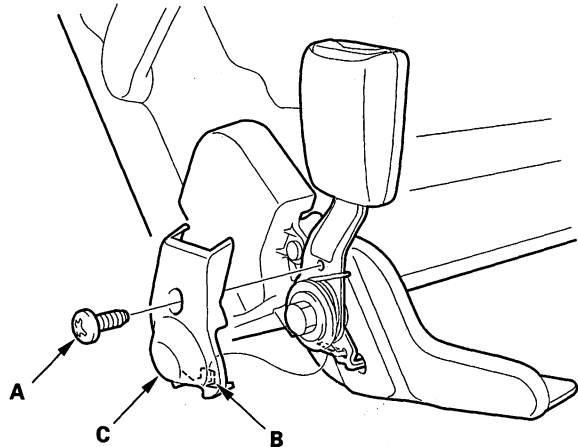
### Upper anchor bolt installation



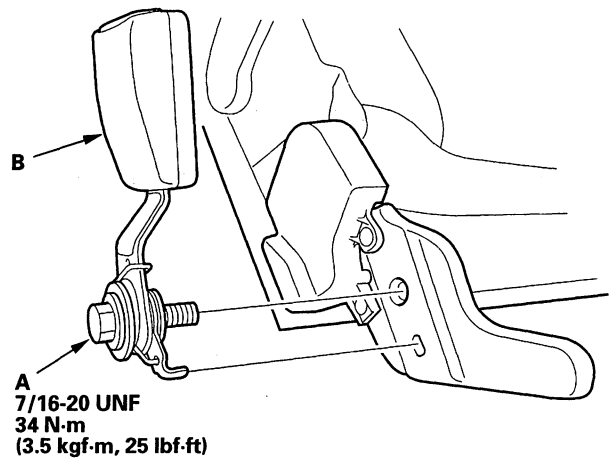
### Seat Belt Buckle/Seat Belt Detachable Anchor

NOTE: The seat belt buckle is shown, and the seat belt detachable anchor is similar.

1. Remove the third row seat (see page 20-179).
2. Remove the screw (A), and release the hook (B), then remove the bracket cover (C).



3. Remove the center anchor bolt (A), then remove the seat belt buckle (B).



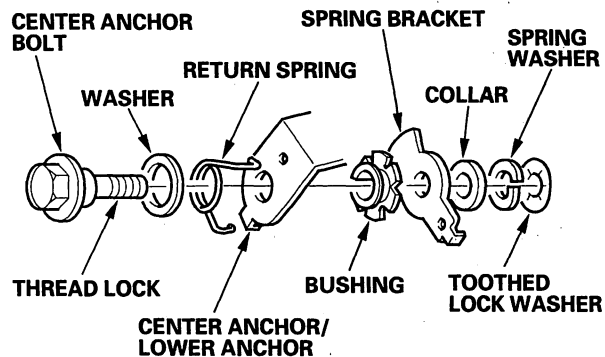


## Inspection

4. Install the buckle in the reverse order of removal, and note these items:

- Assemble the washers, spring, bushing, bracket, and collar on the center anchor bolt as shown.
- Apply medium strength type liquid thread lock to the center anchor bolt before reinstallation.

### Center anchor bolt construction



## Out of Vehicle

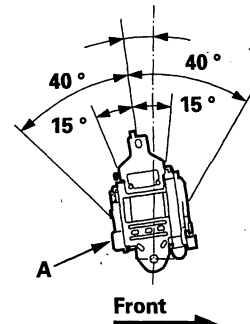
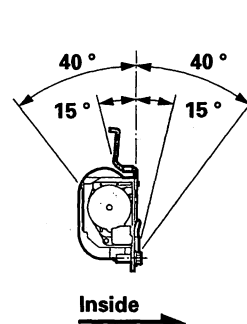
For front seat belt retractor with seat belt tensioner, review the SRS component locations (see page 24-18) and the precautions and procedures (see page 24-20) before doing repairs or service.

## Retractor

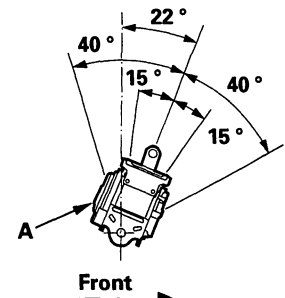
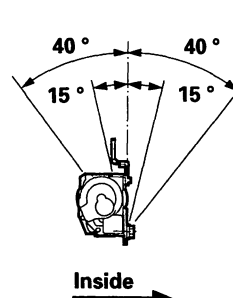
1. Before installing the retractor, check that the seat belt can be pulled out freely.
2. Make sure that the seat belt does not lock when the retractor (A) is leaned slowly up to  $15^\circ$  from the mounted position. The seat belt should lock when the retractor is leaned over  $40^\circ$ . Do not attempt to disassemble the retractor.

### Front

Driver's side:  $8^\circ$   
Passenger's side:  $10.5^\circ$



### Second row

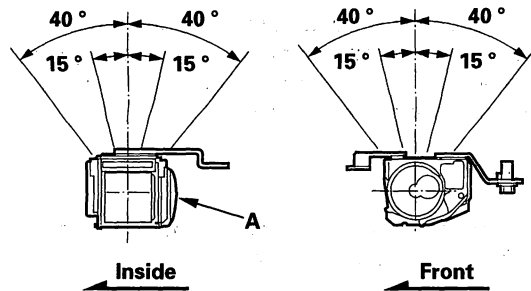


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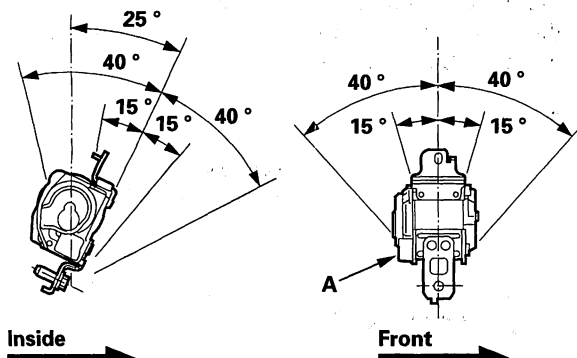
# Seat Belts

## Inspection (cont'd)

Center Second row



Third row



3. Replace the seat belt with a new assembly if there is any abnormality. Do not disassemble any part of the seat belt for any reason.

## In-vehicle

1. Check that the seat belt is not twisted or caught on anything.
2. After installing the anchors, check for free movement on the anchor bolts. If necessary, remove the anchor bolts and check that the washers and other parts are not damaged or improperly installed.

3. Check the seat belts for damage or discoloration. Clean with a shop towel if necessary. Use only soap and water to clean.

NOTE: Dirt build up in the loops of the upper anchors can cause the seat belts to retract slowly. Wipe the inside of the loops with a clean cloth dampened in isopropyl alcohol.

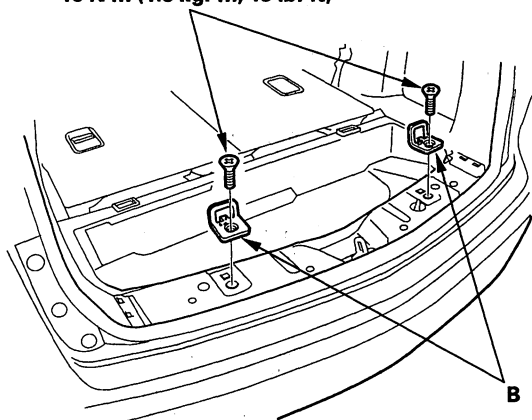
4. Check that the seat belt does not lock when pulled out slowly. The seat belt is designed to lock only during a sudden stop or impact.
5. Make sure that the seat belt will retract automatically when released.
6. For each passenger's seat belt, check the seat belt retractor locking mechanism ALR (automatic locking retractor). This function is for securing child seats.
  - 1 Pull the seat belt all the way out to engage the ALR. The seat belt should retract, but not extend. This is normal.
  - 2 To disengage the ALR, release the seat belt and allow it to fully retract, then pull the seat belt out part-way. The seat belt should retract and extend normally.
7. Replace the seat belt with a new assembly if there is any abnormality. Do not disassemble any part of the seat belt for any reason.



## Third Row Child Seat Tether Anchor Replacement

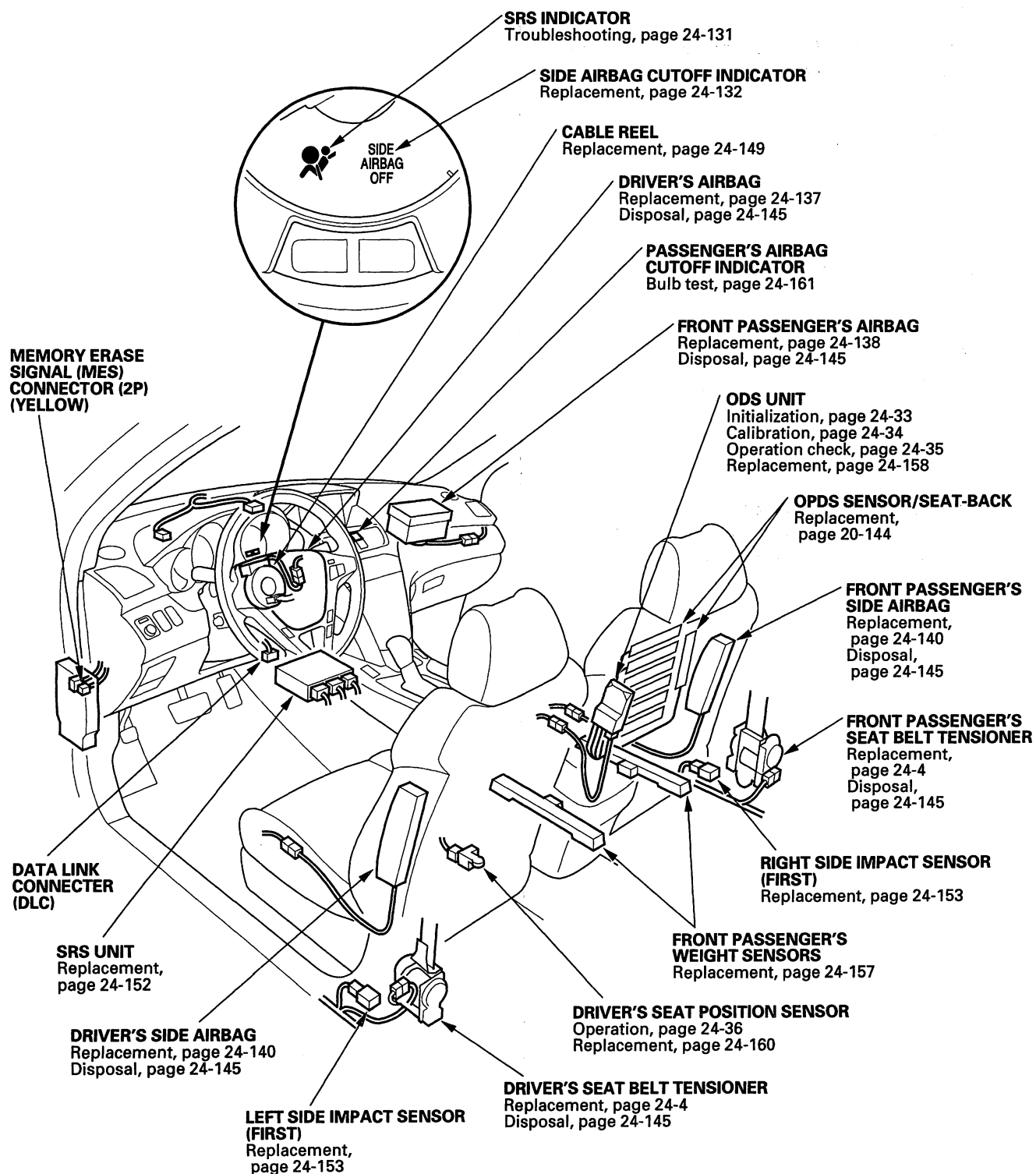
1. Remove the rear trim panel (see step 2 on page 20-90).
2. Remove the screws (A), and remove the third row child seat tether anchors (B).

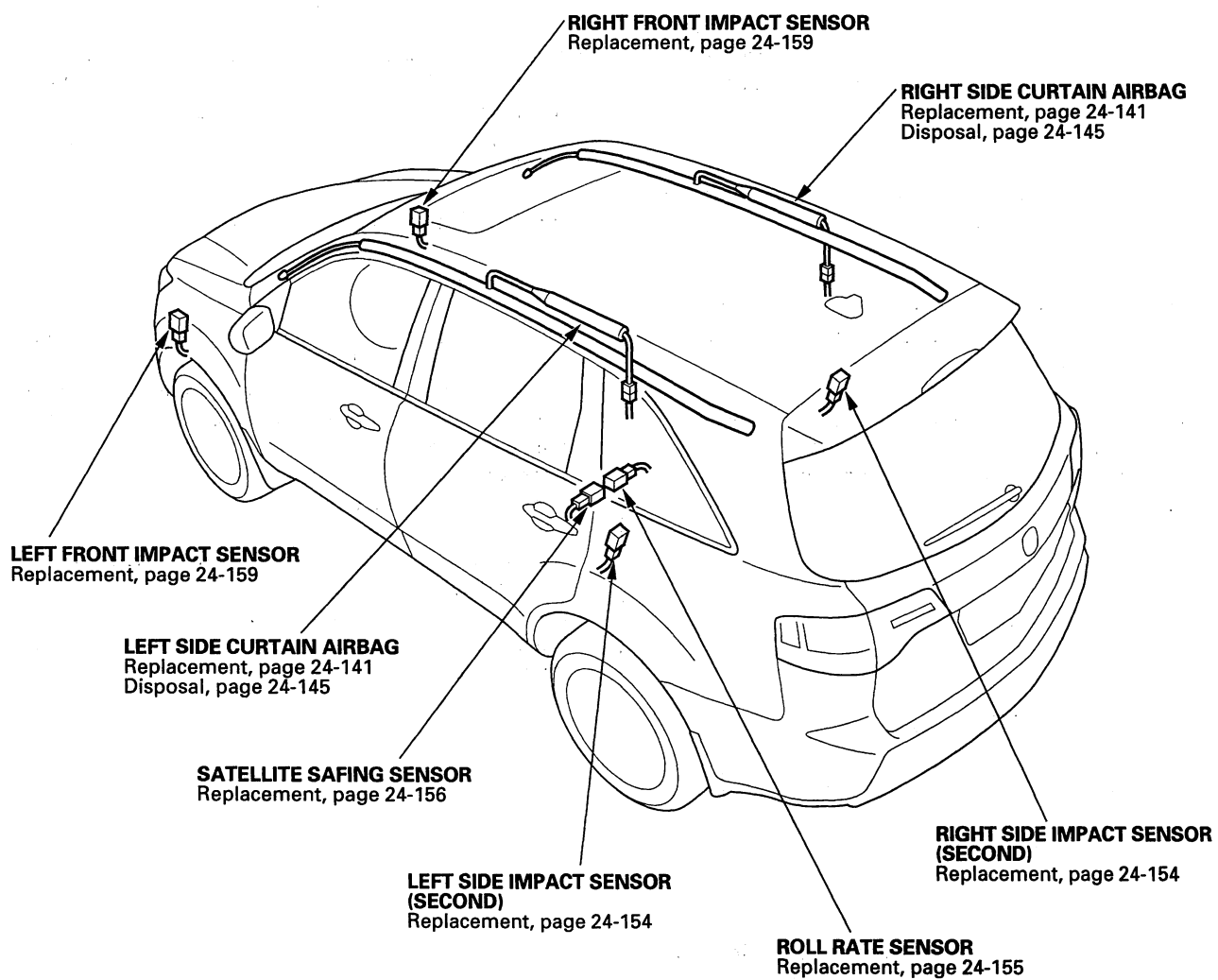
**A**  
8 x 1.25 mm  
18 N·m (1.8 kgf·m, 13 lbf·ft)



3. Install the anchor in the reverse order of removal, and apply medium strength type liquid thread lock to the threads of the child seat tether anchor screws.

## Component Location Index





## Precautions and Procedures

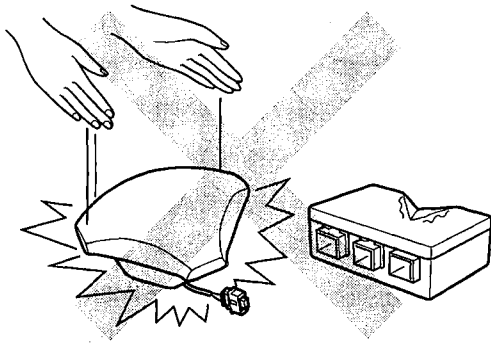
### General Precautions

Please read the following precautions carefully before servicing the airbag system. Observe the instructions described in this manual, or the airbags could accidentally deploy and cause damage or injuries.

- Except when doing electrical inspections, always turn the ignition switch OFF, ground the SCS line with the HDS to take the PCM out of active status, disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.

NOTE: The SRS memory is not erased even if the ignition switch is turned OFF or the battery cables are disconnected from the battery.

- Use replacement parts which are manufactured to the same standards and quality as the original parts. Do not install used SRS parts. Use only new parts when making SRS repairs.
- Carefully inspect any SRS part before you install it. Do not install any part that shows signs of being dropped or improperly handled, such as dents, cracks or deformation.



- Before removing any of the SRS parts (including the disconnection of the connectors), always disconnect the SRS connector.
- Use only a digital multimeter to check the system. If it is not a Honda multimeter, make sure its output is 10 mA (0.01 A) or less when switched to the lowest value in the ohmmeter range. A tester with a higher output could cause accidental deployment and possible injury.
- Do not put objects on the front passenger's airbag.

- The original audio system has a coded theft protection circuit. Make sure you have the anti-theft codes for the audio system and the navigation system (if equipped)
- Before returning the vehicle to the client, enter the anti-theft codes for the audio system and the navigation system (if equipped)
- If you disconnects the battery cable, the power tilt and telescopic steering wheel system needs to be reset when you reconnect the battery cable. Do the Steering Column Position Memorization (see page 17-28).

### Steering-Related Precautions

#### Cable Reel Alignment

- Misalignment of the cable reel could cause an open in the wiring, making the SRS system, remote steering wheel controls, and the horn inoperative. Center the cable reel whenever the following is performed (see step 6 on page 24-151).
  - Installation of the steering wheel
  - Installation of the cable reel
  - Installation of the steering column
  - Other steering-related adjustment or installation
- Do not disassemble the cable reel.
- Do not apply grease to the cable reel.
- If the cable reel shows any signs of damage, replace it with a new one. For example, if it does not rotate smoothly, replace the cable reel.

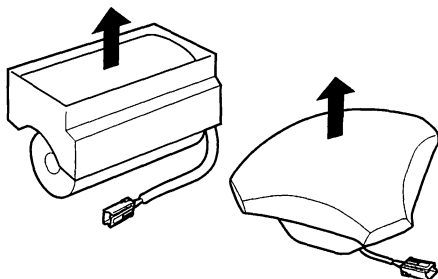


## Airbag Handling and Storage

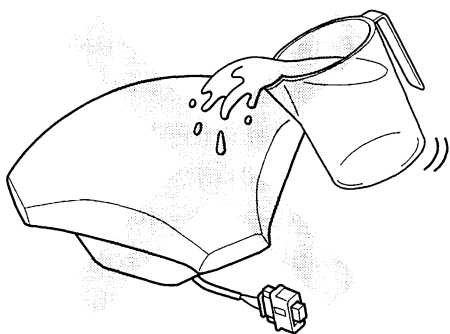
Do not disassemble an airbag. It has no serviceable parts. Once an airbag has been deployed, it cannot be repaired or reused.

For temporary storage of an airbag during service, observe the following precautions.

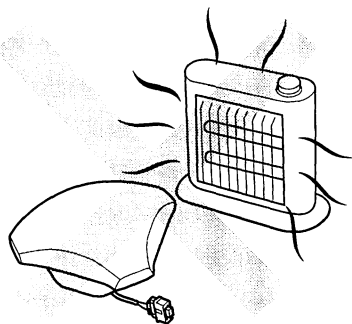
- Store the removed airbag with the pad surface up. Never put anything on the airbag.



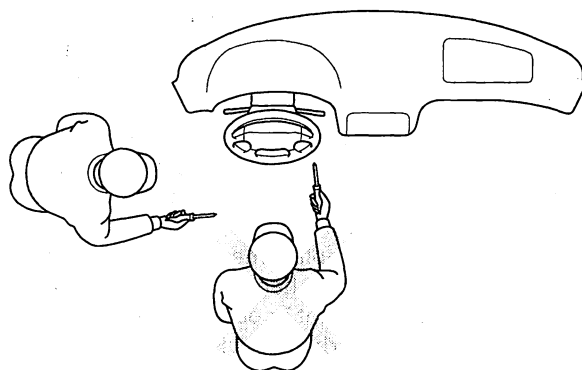
- To prevent damage to the airbag, keep it away from any oil, grease, detergent, or water.



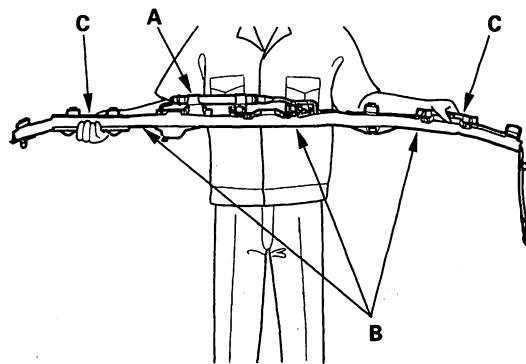
- Store the removed airbag on a secure, flat surface away from any high heat source (exceeding 200 °F/ 93 °C).



- Never do electrical tests on the airbags, such as measuring resistance.
- Do not position yourself in front of the airbag during removal, inspection, or replacement.



- For proper disposal of a damaged airbag, refer to airbag disposal (see page 24-145).
- The side curtain airbag inflator assembly is a long, jointed part containing an inflator (A), a flexible bag (B), and brackets (C).



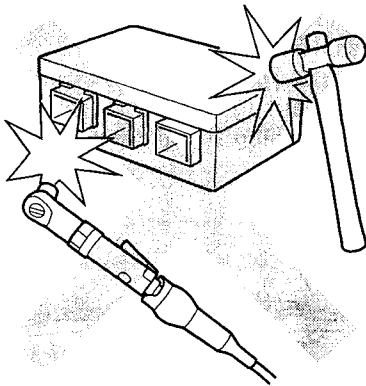
- When removing or installing the side curtain airbag inflator assembly, never handle the flexible bag (B).

(cont'd)

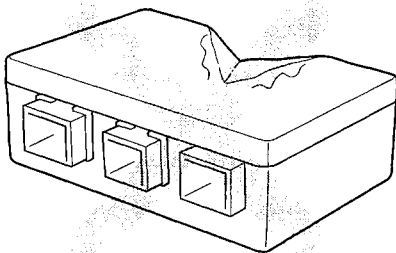
## Precautions and Procedures (cont'd)

### SRS Unit, Front and Side Impact Sensors, Driver's Seat Position Sensor, Front Passenger's Weight Sensor Unit and Front Passenger's Weight Sensors

- Turn the ignition switch OFF, disconnect the negative cable from the battery, and wait at least 3 minutes before beginning installation or replacement of the SRS unit or disconnecting the connectors from the SRS unit.
- Be careful not to bump or impact the SRS unit, front impact sensors, or side impact sensors when the ignition switch is ON (II), or for at least 3 minutes after the ignition switch is turned OFF.
- During installation or replacement, be careful not to bump (by impact wrench, hammer, etc.) the area around the SRS unit, front impact sensors, or side impact sensors. The airbags could accidentally deploy and cause damage or injury.



- After a collision in which a front airbag, side curtain airbags, or a seat belt tensioner deployed, go to Component Replacement/Inspection after Deployment (see page 24-134). After a collision in which the airbags or the side airbags did not deploy, inspect for any damage or any deformation on the SRS unit, front impact sensors, rear safing sensor, and side impact sensors. Replace all damaged parts.



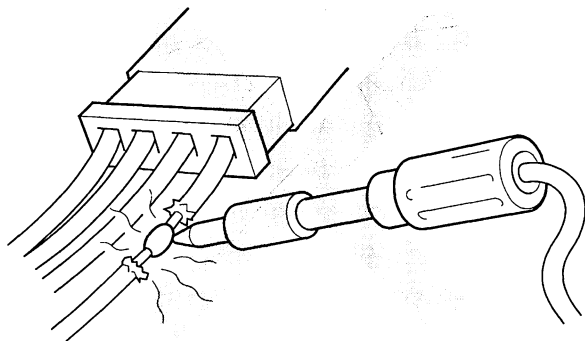
- Do not disassemble the SRS unit, front impact sensors, side impact sensors, driver's seat position sensor, front passenger's weight sensor unit, and front passenger's weight sensors.
- Be sure the SRS unit, front impact sensors, and side impact sensors are installed securely with the mounting bolts torqued to 9.8 N·m (1.0 kgf·m, 7.2 lbf·ft).
- Do not spill water or oil on the SRS unit or the side impact sensors, and keep them away from dust.
- Store the SRS unit, front impact sensors and side impact sensors in a cool (less than 104 °F/40 °C) and dry (less than 80 % relative humidity, no moisture) area.



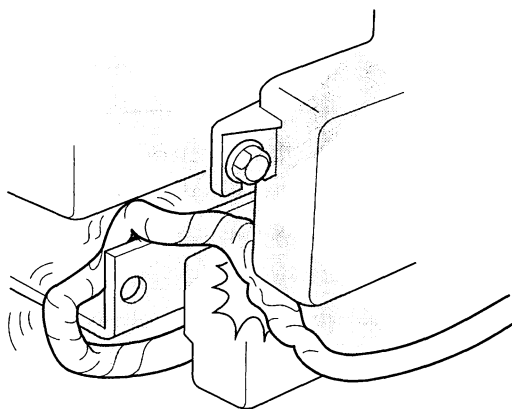
## Wiring Precautions

Some of the SRS wiring can be identified by special yellow outer covering, and the SRS connectors can be identified by their yellow color. Observe the instructions.

- Never attempt to modify, splice, or repair SRS wiring. If there is an open or damage in SRS wiring, replace the harness.



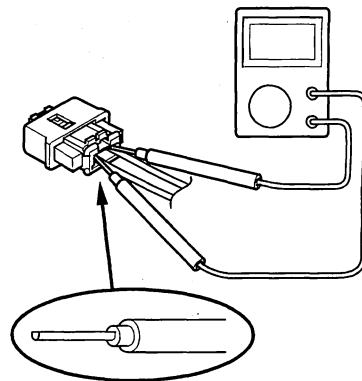
- Be sure to install the harness wires so they do not get pinched or interfere with other parts.



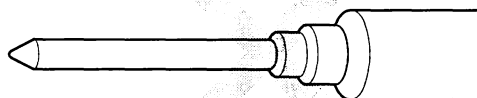
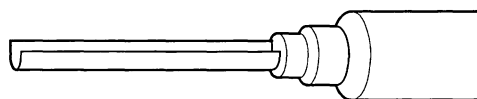
- Make sure all SRS ground locations are clean, and grounds are securely fastened for optimum metal-to-metal contact. Poor grounding can cause intermittent problems that are difficult to diagnose.
- Do not use any silicone based cleaners or lubricants on any SRS connectors or terminals.

## Precautions for Electrical Inspections

- When using electrical test equipment, insert the probe of the tester into the wire side of the connector. Do not insert the probe of the tester into the terminal side of the connector, and do not tamper with the connector.



- Use a U-shaped probe. Do not insert the probe forcibly.



- Use specified service connectors in troubleshooting. Using improper tools could cause an error in inspection due to poor metal-to-metal contact.

(cont'd)

## Precautions and Procedures (cont'd)

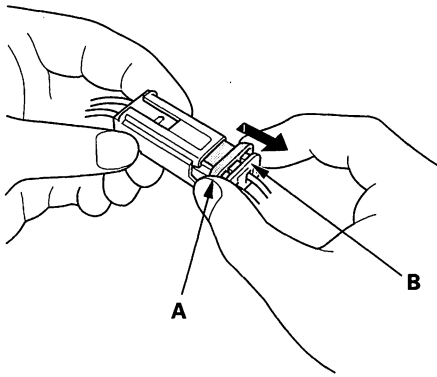
### Spring-Loaded Lock Connector

Some SRS system connectors have a spring-loaded lock.

#### Front Airbag Connectors

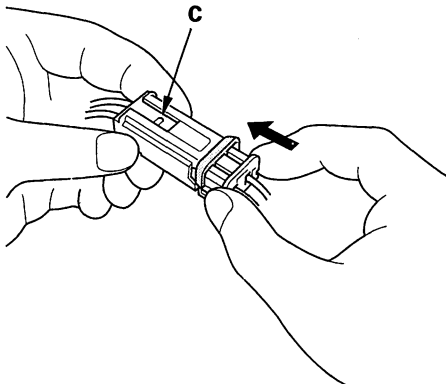
##### Disconnecting

To release the lock, pull the spring-loaded sleeve (A) toward the stop (B) while holding the opposite half of the connector. Then pull the connector halves apart. Be sure to pull on the sleeve and not on the connector.



##### Connecting

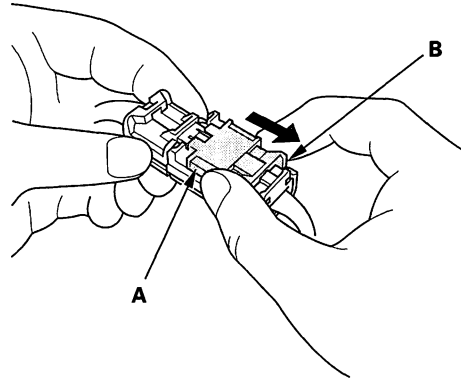
To reconnect, hold the pawl-side connector, and press on the back of the sleeve-side connector in the direction shown. As the two connector halves are pressed together, the sleeve (A) is pushed back by the pawl (C). Do not touch the sleeve.



### Side Airbag Connector

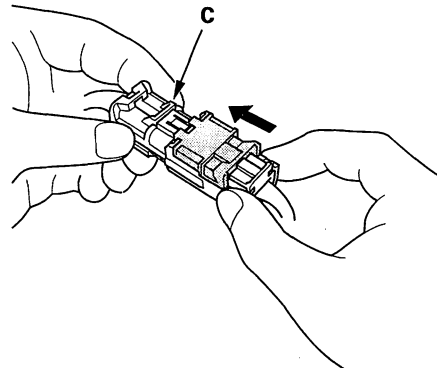
##### Disconnecting

To release the lock, pull the spring-loaded sleeve (A) toward the stop (B) while holding the opposite half of the connector. Then pull the connector halves apart. Be sure to pull on the sleeve and not on the connector half.



##### Connecting

Hold both connector halves, and press them firmly together until the projection (C) of the sleeve-side connector clicks.





## Opening the SRS Unit Shorting Connectors for Diagnosis

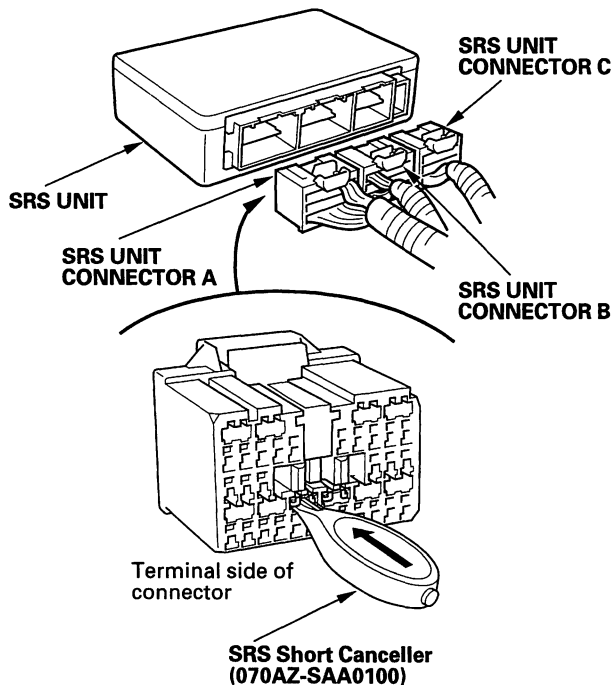
### Special Tools Required

SRS short canceller 070AZ-SAA0100

#### NOTE:

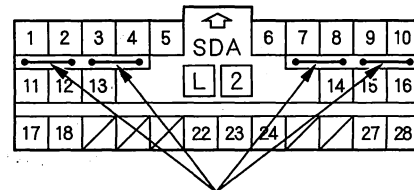
- To prevent damaging the connector cavity, insert the short canceller straight into the cavity from the terminal side.
- Before installing the short canceller, wash it with neutral detergent, then dry it with compressed air.
- Do not use the short canceller if it is damaged.
- Make sure to remove the short canceller before reconnection.

When SRS unit connectors A or B are disconnected, a short circuit is created in the connector by its own function to prevent an airbag deployment. The circuit may need to be open sometimes when diagnosis is done on the system. Insert the short canceller (No. 070AZ-SAA0100) in the specified cavities when it is necessary to keep the circuit open for diagnosis.



Terminal numbers are shown from the wire side of the female terminals. Insert the short canceller(s) into the cavities on the terminal side of the connector.

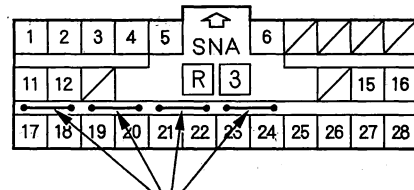
### SRS UNIT CONNECTOR A (28P)



Insert short canceller(s) here.

Wire side of female terminals

### SRS UNIT CONNECTOR B (28P)



Insert short canceller(s) here.

Wire side of female terminals

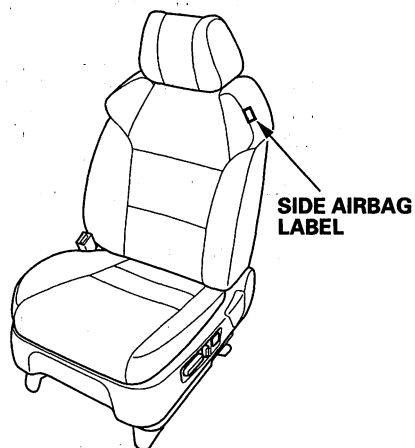
(cont'd)

BACK

## Precautions and Procedures (cont'd)

### Seats with Side Airbags

Seats with side airbags have a "SIDE AIRBAG" label on the seat-back.



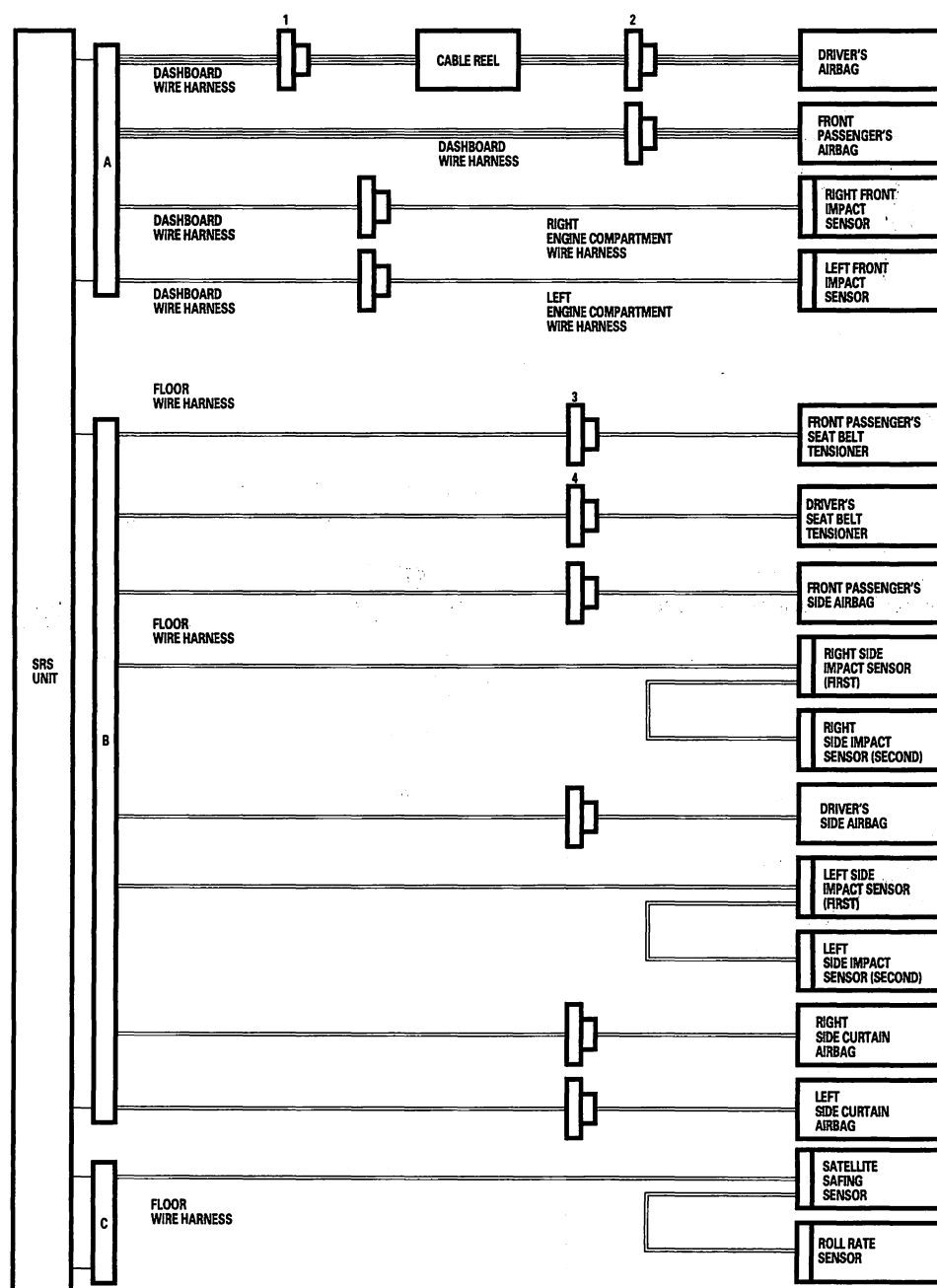
- When cleaning, use a damp cloth to clean the seat. Do not soak the seat with liquid. Do not spray steam on the seat.
- Do not repair a torn or frayed seat-back cover. Replace the seat-back cover.
- After a collision where the side airbag was deployed, replace the side airbag and seat frame with new parts. If the seat-back cushion is split, it must be replaced.
- Never put aftermarket accessories on the seat (covers, pads, seat heaters, lights, etc.).



## Disconnecting System Connectors

Turn the ignition switch OFF disconnect the negative cable from the battery, and wait at least 3 minutes before beginning the following procedures.

- Before disconnecting the cable reel 4P connector (1), disconnect the driver's airbag 4P connector (2).
- Before disconnecting SRS unit connector B from the SRS unit, disconnect both seat belt tensioner 4P connectors (3, 4).



(cont'd)

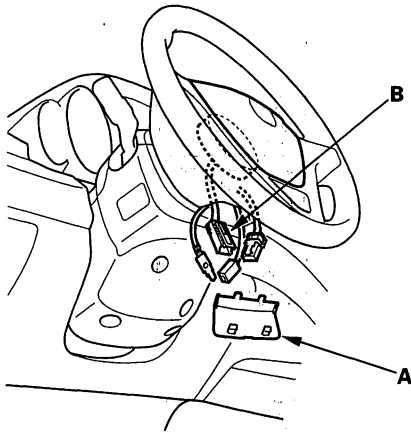
**BACK**

## Precautions and Procedures (cont'd)

1. Disconnect the negative cable from the battery, and wait at least 3 minutes.

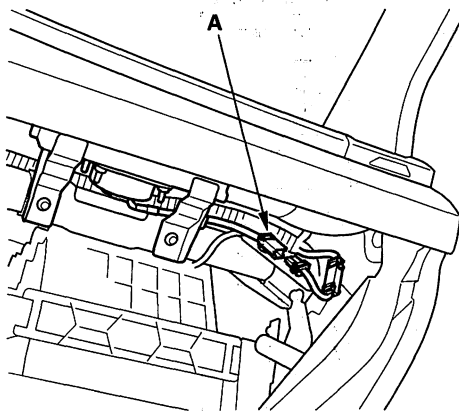
### Driver's Airbag

2. Remove the access panel (A) from the steering wheel, then disconnect the driver's airbag 4P connector (B) from the cable reel.



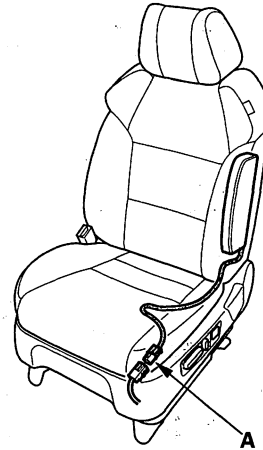
### Front Passenger's Airbag

3. Remove the glove box (see page 20-125), then disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



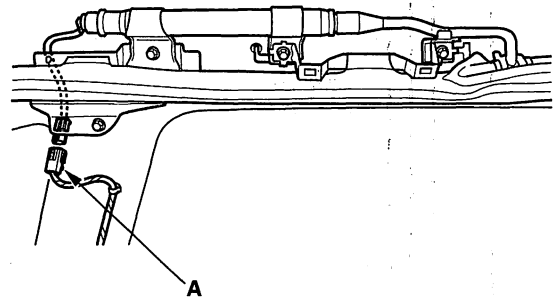
### Side Airbag

4. Disconnect both side airbag 2P connectors (A) from the floor wire harness.



### Side Curtain Airbag

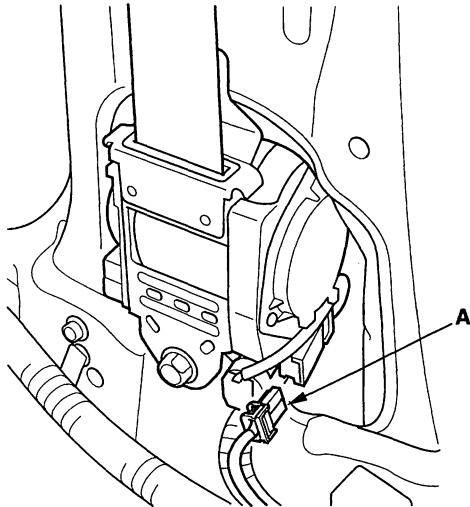
5. Remove the quarter pillar trim (see page 20-85).
6. Disconnect both floor wire harness 2P connectors (A) from the side curtain airbags.





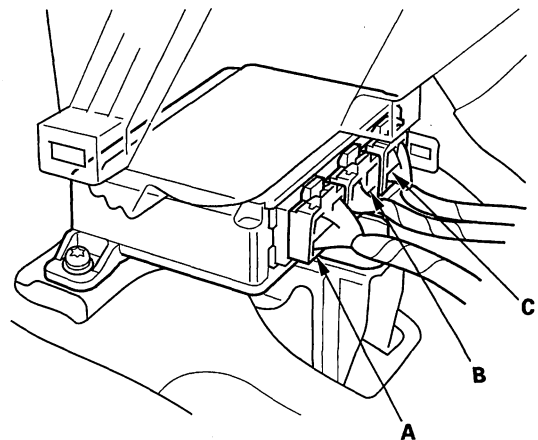
### Seat Belt Tensioner

7. Remove the B-pillar lower trim (see page 20-82), then disconnect both floor wire harness 4P connectors (A) from the seat belt tensioners.



### SRS Unit

8. Remove the driver's center console trim (see step 5 on page 20-107), SRS unit connector A, SRS unit connector B, and SRS unit connector C from the SRS unit.



## General Troubleshooting Information

### DTC (Diagnostic Trouble Codes)

The self-diagnostic function of the SRS system allows it to locate the causes of system problems and then store this information in memory. For easier troubleshooting, this data can be retrieved via a data link circuit.

- When you turn the ignition switch ON (II), the SRS indicator comes on. If it goes off after 6 seconds, the system is normal, and is not currently detecting any abnormality.
- If there is an abnormality, the system locates and defines the problem, stores this information in memory, and turns the SRS indicator on. The data remains in the memory even when the ignition switch is turned off or if the battery is disconnected.
- The data is stored in memory as a diagnostic trouble code (DTC).
- DTCs are either latching or resetting depending on the malfunction. With resetting DTCs, the SRS indicator goes off the next time the ignition switch is turned ON and the system is normal, but the DTC is still stored. With latching DTCs, the SRS indicator does not turn OFF until the malfunction is repaired and the DTC is cleared.
- When you connect the HDS to the 16P data link connector (DLC), you can retrieve a more detailed DTC in the Honda Systems "SRS" menu.
- After reading and recording the DTC, proceed with the troubleshooting procedure for that code.

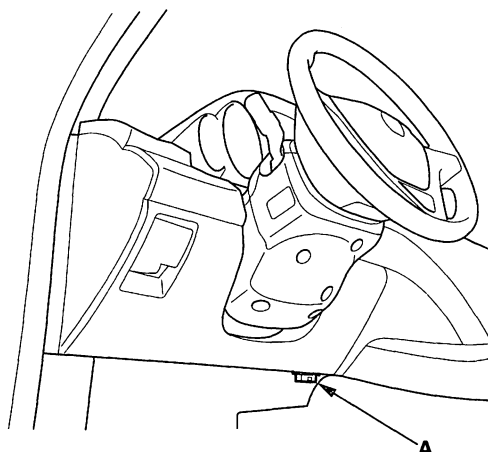
### Precautions

- Use only a digital multimeter to check the system. If it's not a Honda multimeter, make sure its output is 10 mA (0.01 A) or less when switched to the smallest value in the ohmmeter range. A tester with a higher output could damage the airbag circuit or cause accidental airbag deployment and possible injury.
- Whenever the ignition switch is ON (II), or has been turned OFF for less than 3 minutes, be careful not to bump the SRS unit; the airbags could accidentally deploy and cause damage or injuries.

- Before you remove the SRS harness, disconnect the driver's airbag connector, the front passenger's airbag connector, both side airbag connectors, both side curtain airbag connectors, and both seat belt tensioner connectors.
- Make sure the battery is sufficiently charged. If the battery is dead or low, measuring values may not be correct.
- Do not touch a tester probe to the terminals in the SRS unit or harness connectors, and do not connect the terminals with a jumper wire. Use only the backprobe set and the multimeter. Backprobe spring-loaded lock type connectors correctly.

### Reading the DTC

1. Make sure the ignition switch is OFF.
2. Connect the HDS to the DLC (A).



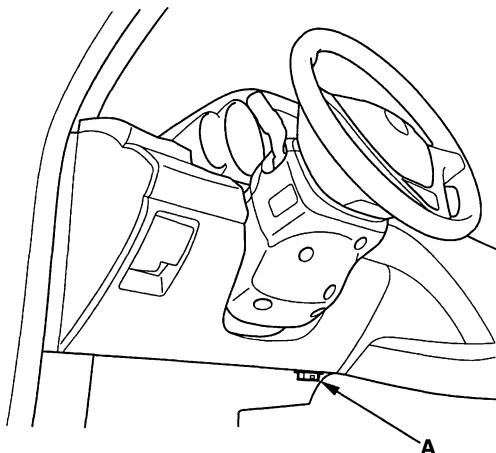
3. Turn the ignition switch ON (II).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-223).
5. Use the HDS to check for DTCs.
6. Read and record the DTC.
7. Turn the ignition switch OFF, and wait for 10 seconds.
8. Disconnect the HDS from the DLC.
9. Do the troubleshooting procedure for the DTC.



## Erasing the DTC Memory With the HDS

NOTE: Make sure the battery is fully charged before you begin.

1. Make sure the ignition switch is OFF.
2. Connect the HDS to the DLC (A).



3. Turn the ignition switch ON (II).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-223).
5. In the SRS MENU of the HDS, select SRS, then DTC to erase DTC(s).
6. Turn the ignition switch OFF, and wait for 10 seconds.
7. Disconnect the HDS from the DLC.

## Erasing the DTC Memory Using MES Connector Without the HDS

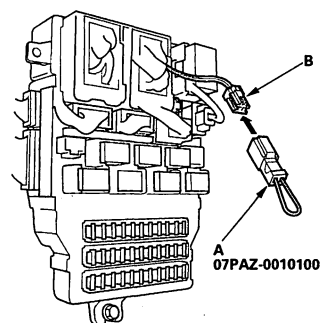
### Special Tools Required

SCS Service Connector 07PAZ-001010A

NOTE: Make sure the battery is fully charged before you begin.

To erase the DTC(s) from the SRS unit, use the HDS or the following procedure.

1. Make sure the ignition switch is OFF.
2. Connect the SCS service connector (A) to the yellow MES 2P connector (B). Do not use a jumper wire.



3. Turn the ignition switch ON (II).
4. The SRS indicator will come on for about 6 seconds, and then go off. Remove the SCS service connector from the MES connector (2P) within 4 seconds after the indicator goes off.
5. The SRS indicator will come on again. Reconnect the SCS service connector to the MES connector (2P) within 4 seconds after the indicator comes on.
6. When the SRS indicator goes off, remove the SCS service connector from the MES connector (2P) within 4 seconds.
7. The SRS indicator blinks two times, indicating that the memory has been erased.
8. Turn the ignition switch OFF, and wait for 10 seconds.
9. Turn the ignition switch ON (II) again. If the SRS indicator comes on for 6 seconds, and then goes off, the system is OK.

(cont'd)

## General Troubleshooting Information (cont'd)

### Troubleshooting Intermittent Failures

If there was a malfunction that sets a DTC, but it does not recur, it will be stored in the memory as an intermittent failure, and the SRS indicator may come on depending on the malfunction detected.

NOTE: Check the condition of the battery (see page 22-76), and the charging system (see page 4-30). Low battery voltage may cause some intermittent failures.

After checking the DTC, troubleshoot as follows:

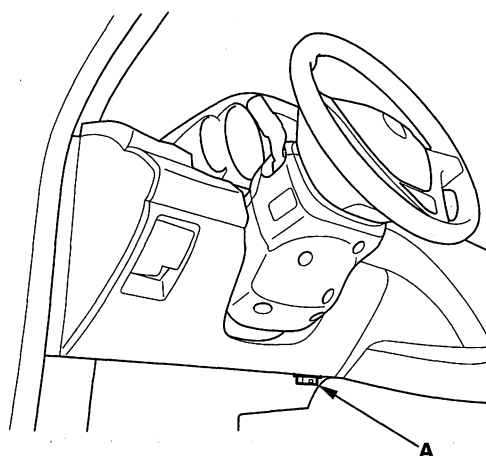
1. Read the DTC (see "Reading the DTC").
2. Erase the DTC memory (see "Erasing the DTC Memory").
3. Set the parking brake, then start the engine, and let it idle.
4. The SRS indicator comes on for about 6 seconds and then goes off.
5. Shake the related wire harnesses and the connectors, and look for loose connections, poor pinfits, and poor grounds.
6. Take a test-drive (quick acceleration, quick braking, and cornering), turn the steering wheel fully left and right, and hold it there for 5 to 10 seconds. If the problem recurs, the SRS indicator will come on.

NOTE: A faulty cable reel can cause intermittent connections related to the driver's airbag inflator DTCs.

7. If you cannot duplicate the concern, ask the customer about the conditions when it occurred, or ask the client to demonstrate the concern.
8. If you cannot duplicate the intermittent failure, the system is OK at this time.

### Checking Seat Weight Sensors After a Vehicle Collision

1. Position the front passenger's seat to the rear most position, adjust the recliner to the most forward position. Do not move it from this position.
2. Drive the vehicle, accelerate to 20 mph (36 km/h), then stop on level ground.
3. Connect the HDS to the data link connector (DLC) (A).



4. From the SRS inspection menu, select Seat Weight Sensor, then Misc test, then "SEAT OUTPUT CHK" and follow the prompts until the ODS operation check has been completed.

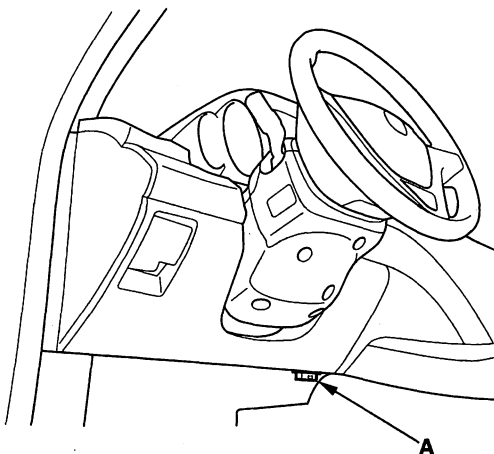


## ODS Unit Initialization

When a seat-back cover, seat-back cushion, and/or ODS unit is replaced, initialize the ODS by following the procedure.

**NOTE:** A new (uninitialized) ODS unit installed with a faulty OPDS sensor can cause DTC 85-71.

1. Erase the DTC memory (see page 24-31).
2. Make sure the front passenger's seat is dry. Set the seat-back in a normal position, and make sure there is nothing on the seat.
3. Make sure the ignition switch is OFF and the MES connector is not shorted.
4. Connect the HDS to the DLC (A).



5. Turn the ignition switch ON (II).
6. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-223).
7. From the HDS Main Menu, select SRS, then SRS, then Calibration. In the Calibration Menu, select ODS INITIALIZATION. Follow the screen prompts to initialize the ODS.
8. Turn the ignition switch OFF.
9. Disconnect the HDS from the DLC.

**NOTE:** If the ODS system fails to initialize after several attempts, replace the OPDS sensor/seat-back and retry. If the ODS system continues to fail to initialize, replace the ODS unit (see page 24-158).

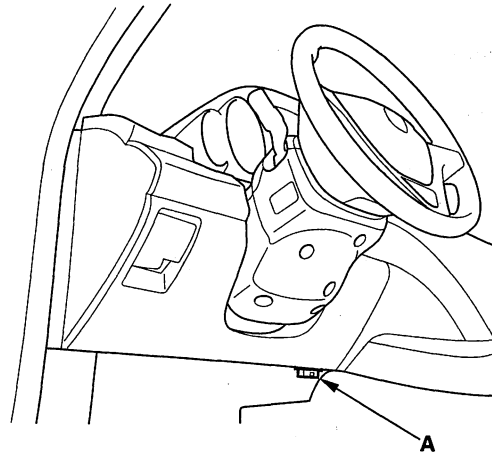
## ODS Unit Calibration

When you replace the SRS unit, front passenger's weight sensors, or the ODS unit, calibrate the ODS unit.

While calibrating the ODS unit, observe these precautions:

- Make sure all components of the front passenger's seat are correctly installed.
- Make sure nothing is on or under the front passenger's seat.
- Make sure there is nothing in the front passenger's seat-back pocket.
- Do the windows closed.
- Do all calibration procedures, except test-driving, in the service bay.
- Make sure the vehicle is on level ground.
- Keep the A/C and the heater off.
- Do not touch the front passenger's seat while you drive the vehicle.
- Do not expose the front passenger's seat to sudden temperature changes.

1. Position the front passenger's seat to the rearmost position, and adjust the recliner to the most forward position. Do not move the seat from these positions.
2. Connect the HDS to the data link connector (DLC) (A).



3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-223).
4. Drive the vehicle, and accelerate to 20 mph (36 km/h), then stop on level ground.
5. From the Main Menu, select SRS, then Calibration, then Misc Test, then select "SWS INITIALIZATION," and follow the prompts until the initialization operation has been completed.



## ODS Unit Operation Check

Check the ODS operation after any of these actions.

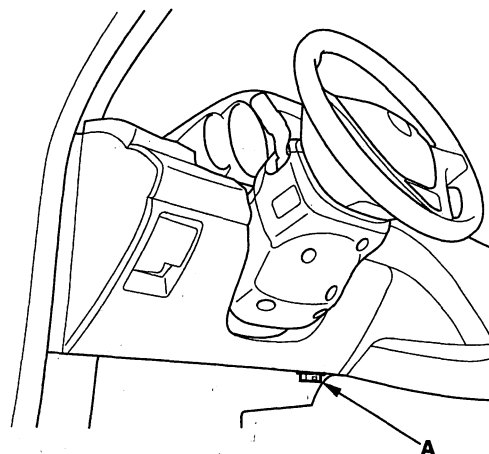
- Replacement of front passenger's seat component(s) (except ODS unit and/or weight sensors)
- After a vehicle collision
- SRS unit replacement

### Pre-Operation Check Set-up

- Make sure all the components of the front passenger's seat are correctly installed.
- Position the front passenger's seat to the rearmost position. Adjust the seat recline to the forward most position. Do not move the seat from this position.
- Make sure nothing is on or under the front passenger's seat.
- Make sure there is nothing in the front passenger's seat-back pocket.
- Keep the windows closed.
- Do all calibration procedures, except test-driving, in the service bay.
- Make sure the vehicle is on level ground.
- Turn the heater and the A/C off.
- Do not touch the passenger's seat during the calibration.
- Do not expose the front passenger's seat to sudden temperature changes.
- Make sure all aftermarket devices such as amplifiers, fluorescent light, air purifiers, CB or HAM radios, etc. are turned off.

### After Replacing Front Passenger's Seat Component(s)

1. Connect the HDS to the data link connector (DLC) (A).



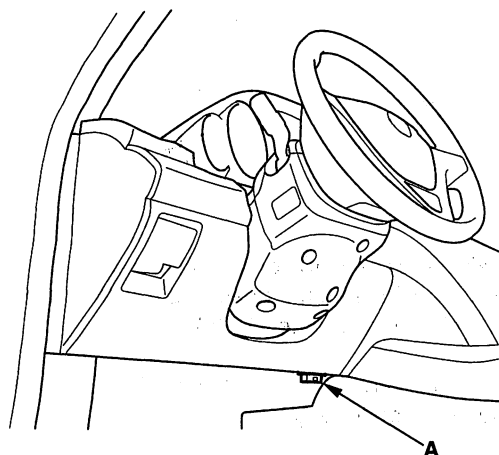
2. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-223).
3. Drive the vehicle, accelerate to 20 mph (36 km/h), then stop on level ground.
4. From the HDS Main Menu, select SRS, then Inspection. In the HDS Inspection Menu, select "SEAT OUTPUT CHK" and follow the prompts until the ODS operation check has been completed.

## Driver's Seat Position Sensor Operation Check

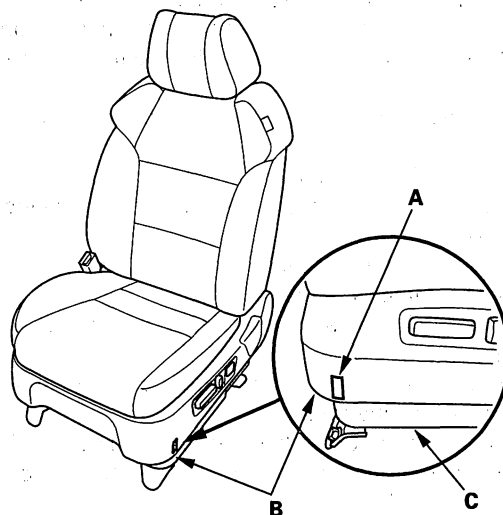
Check the driver's seat position after any of these actions.

- Driver's seat position sensor replacement
- Cover plate (front side of driver's seat slide rail) replacement

1. Make sure the driver's seat is at its full forward position.
2. Make sure the ignition switch is OFF (0).
3. Connect the HDS to the DLC (A).



4. Turn the ignition switch ON (II).
5. From the HDS Main Menu, select SRS, then Parameter Information, then Buckle Switch, Seat Position Sensor.
6. Using a piece of tape (A), mark the location on the seat's outer cover (B) where the front riser cover meets the seat riser (C). The driver's seat position sensor should read "NEAR."



7. Move the seat back in small increments (about 0.2 in., 5 mm) until the driver's seat position sensor reads "NOT NEAR." The seat should be approximately 1 in. (25 mm) from the front.

**NOTE:** It takes a few seconds for the HDS to display changes, so wait about 5 seconds between each move.

If the driver's seat position sensor data does not work as described above, check the driver's seat position sensor or the cover plate for damage, and replace parts as needed.

8. Turn the ignition switch OFF, and disconnect the HDS from the DLC.



## DTC Troubleshooting Index

| DTC   | Latch <sup>*1</sup> | Reset <sup>*2</sup> | Detection Item                                                                            | Notes            |
|-------|---------------------|---------------------|-------------------------------------------------------------------------------------------|------------------|
| 11-1x |                     | X                   | Open in driver's airbag first inflator                                                    | (see page 24-55) |
| 11-2x |                     |                     | Increased resistance in driver's airbag first inflator                                    |                  |
| 11-3x |                     |                     | Short to another wire or decreased resistance in driver's airbag first inflator           | (see page 24-56) |
| 11-4x |                     |                     | Open in driver's airbag second inflator                                                   | (see page 24-55) |
| 11-5x |                     |                     | Increased resistance in driver's airbag second inflator                                   |                  |
| 11-6x |                     |                     | Short to another wire or decreased resistance in driver's airbag second inflator          | (see page 24-56) |
| 11-8x | X                   |                     | Short to power in driver's airbag first inflator                                          | (see page 24-58) |
| 11-9x |                     |                     | Short to ground in driver's airbag first inflator                                         | (see page 24-59) |
| 11-Ax |                     |                     | Short to power in driver's airbag second inflator                                         | (see page 24-58) |
| 11-Bx |                     |                     | Short to ground in driver's airbag second inflator                                        | (see page 24-59) |
| 12-1x |                     | X                   | Open in front passenger's airbag first inflator                                           | (see page 24-61) |
| 12-2x |                     |                     | Increased resistance in front passenger's airbag first inflator                           |                  |
| 12-3x |                     |                     | Short to another wire or decreased resistance in front passenger's airbag first inflator  | (see page 24-62) |
| 12-4x |                     |                     | Open in front passenger's airbag second inflator                                          | (see page 24-61) |
| 12-5x |                     |                     | Increased resistance in front passenger's airbag second inflator                          |                  |
| 12-6x |                     |                     | Short to another wire or decreased resistance in front passenger's airbag second inflator | (see page 24-62) |
| 12-8x | X                   |                     | Short to power in front passenger's airbag first inflator                                 | (see page 24-63) |
| 12-9x |                     |                     | Short to ground in front passenger's airbag first inflator                                | (see page 24-64) |
| 12-Ax |                     |                     | Short to power in front passenger's airbag second inflator                                | (see page 24-63) |
| 12-Bx |                     |                     | Short to ground in front passenger's airbag second inflator                               | (see page 24-64) |
| 21-1x |                     | X                   | Open in driver's seat belt tensioner                                                      | (see page 24-65) |
| 21-2x |                     |                     | Increased resistance in driver's seat belt tensioner                                      |                  |
| 21-3x |                     |                     | Short to another wire or decreased resistance in driver's seat belt tensioner             | (see page 24-66) |
| 21-8x | X                   |                     | Short to power in driver's seat belt tensioner                                            | (see page 24-67) |
| 21-9x |                     |                     | Short to ground in driver's seat belt tensioner                                           | (see page 24-68) |
| 22-1x |                     | X                   | Open in front passenger's seat belt tensioner                                             | (see page 24-69) |
| 22-2x |                     |                     | Increased resistance in front passenger's seat belt tensioner                             |                  |
| 22-3x |                     |                     | Short to another wire or decreased resistance in front passenger's seat belt tensioner    | (see page 24-70) |
| 22-8x | X                   |                     | Short to power in front passenger's seat belt tensioner                                   | (see page 24-71) |
| 22-9x |                     |                     | Short to ground in front passenger's seat belt tensioner                                  | (see page 24-72) |

NOTE: The "x" at the end of each DTC denotes a numeric character (0 thru 9) or an alpha character (A thru F) that you will see on the HDS display. The character is unrelated to your troubleshooting; it designates the SRS unit manufacturer and other detail used for product analysis.

- \* 1: The SRS indicator turns on and stays on whenever the ignition switch is in the ON (II) position, or until the code is cleared.
- \* 2: The SRS indicator turns on when the DTC is set. The SRS indicator will not turn on after the ignition switch is cycled from ON (II) to OFF (0), but the DTC will be stored in the SRS unit.

(cont'd)

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## DTC Troubleshooting Index (cont'd)

| DTC   | Latch <sup>*1</sup> | Reset <sup>*2</sup> | Detection Item                                                                          | Notes            |
|-------|---------------------|---------------------|-----------------------------------------------------------------------------------------|------------------|
| 31-1x |                     | X                   | Open in driver's side airbag inflator                                                   | (see page 24-73) |
| 31-2x |                     |                     | Increased resistance in driver's side airbag inflator                                   |                  |
| 31-3x |                     |                     | Short to another wire or decreased resistance in driver's side airbag inflator          | (see page 24-74) |
| 31-8x | X                   |                     | Short to power in driver's side airbag inflator                                         | (see page 24-75) |
| 31-9x |                     |                     | Short to ground in driver's side airbag inflator                                        | (see page 24-76) |
| 32-1x |                     | X                   | Open in front passenger's side airbag inflator                                          | (see page 24-77) |
| 32-2x |                     |                     | Increased resistance in front passenger's side airbag inflator                          | (see page 24-78) |
| 32-3x |                     |                     | Short to another wire or decreased resistance in front passenger's side airbag inflator |                  |
| 32-8x | X                   |                     | Short to power in front passenger's side airbag inflator                                | (see page 24-79) |
| 32-9x |                     |                     | Short to ground in front passenger's side airbag inflator                               | (see page 24-80) |
| 33-1x |                     | X                   | Open in left side curtain airbag inflator                                               | (see page 24-81) |
| 33-2x |                     |                     | Increased resistance in left side curtain airbag inflator                               | (see page 24-82) |
| 33-3x |                     |                     | Short to another wire or decreased resistance in left side curtain airbag inflator      |                  |
| 33-8x | X                   |                     | Short to power in left side curtain airbag inflator                                     | (see page 24-83) |
| 33-9x |                     |                     | Short to ground in left side curtain airbag inflator                                    | (see page 24-84) |
| 34-1x |                     | X                   | Open or in right side curtain airbag inflator                                           | (see page 24-85) |
| 34-2x |                     |                     | Increased resistance in right side curtain airbag inflator                              | (see page 24-86) |
| 34-3x |                     |                     | Short to another wire or decreased resistance in right side curtain airbag inflator     |                  |
| 34-8x | X                   |                     | Short to power in right side curtain airbag inflator                                    | (see page 24-87) |
| 34-9x |                     |                     | Short to ground in right side curtain airbag inflator                                   | (see page 24-88) |
| 41-1x |                     | X                   | No signal from the left front impact sensor                                             | (see page 24-89) |
| 41-2x |                     |                     | Internal failure of the left front impact sensor                                        | (see page 24-94) |
| 41-8x |                     |                     |                                                                                         |                  |
| 41-9x | X                   |                     |                                                                                         |                  |
| 41-Ax |                     |                     |                                                                                         |                  |
| 41-Bx |                     |                     |                                                                                         |                  |
| 42-1x |                     | X                   | No signal from the right front impact sensor                                            | (see page 24-91) |
| 42-2x |                     |                     | Internal failure of the right front impact sensor                                       | (see page 24-94) |
| 42-8x |                     |                     |                                                                                         |                  |
| 42-9x | X                   |                     |                                                                                         |                  |
| 42-Ax |                     |                     |                                                                                         |                  |
| 42-Bx |                     |                     |                                                                                         |                  |



| DTC   | Latch <sup>*1</sup> | Reset <sup>*2</sup> | Detection Item                                           | Notes             |
|-------|---------------------|---------------------|----------------------------------------------------------|-------------------|
| 43-1x |                     | ×                   | No signal from the left side impact sensor (first)       | (see page 24-94)  |
| 43-2x |                     |                     | Internal failure of the left side impact sensor (first)  | (see page 24-103) |
| 43-8x | ×                   |                     |                                                          |                   |
| 43-9x |                     |                     |                                                          |                   |
| 43-Ax |                     |                     |                                                          |                   |
| 43-Bx |                     |                     |                                                          |                   |
| 44-1x |                     | ×                   | No signal from the right side impact sensor (first)      | (see page 24-99)  |
| 44-2x |                     |                     | Internal failure of the right side impact sensor (first) | (see page 24-103) |
| 44-8x | ×                   |                     |                                                          |                   |
| 44-9x |                     |                     |                                                          |                   |
| 44-Ax |                     |                     |                                                          |                   |
| 44-Bx |                     |                     |                                                          |                   |
| 45-1x |                     | ×                   | No signal from left side impact sensor (second)          | (see page 24-94)  |
| 45-2x |                     |                     | Internal failure of left side impact sensor (second)     | (see page 24-104) |
| 45-8x | ×                   |                     |                                                          |                   |
| 45-9x |                     |                     |                                                          |                   |
| 45-Ax |                     |                     |                                                          |                   |
| 45-Bx |                     |                     |                                                          |                   |
| 46-1x |                     | ×                   | No signal from right side impact sensor (second)         | (see page 24-99)  |
| 46-2x |                     |                     | Internal failure of right side impact sensor (second)    | (see page 24-104) |
| 46-8x | ×                   |                     |                                                          |                   |
| 46-9x |                     |                     |                                                          |                   |
| 46-Ax |                     |                     |                                                          |                   |
| 46-Bx |                     |                     |                                                          |                   |
| B1-1x |                     | ×                   | No signal from roll rate sensor                          | (see page 24-104) |
| B1-2x |                     |                     | Internal failure of roll rate sensor                     | (see page 24-109) |
| B1-8x | ×                   |                     |                                                          |                   |
| B1-9x |                     |                     |                                                          |                   |
| B1-Ax |                     |                     |                                                          |                   |
| B1-Bx |                     |                     |                                                          |                   |
| B2-1x |                     | ×                   | No signal from satellite safing sensor                   | (see page 24-104) |
| B2-2x |                     |                     | Internal failure of satellite safing sensor              | (see page 24-109) |
| B2-8x | ×                   |                     |                                                          |                   |
| B2-9x |                     |                     |                                                          |                   |
| B2-Ax |                     |                     |                                                          |                   |
| B2-Bx |                     |                     |                                                          |                   |

NOTE: The "x" at the end of each DTC denotes a numeric character (0 thru 9) or an alpha character (A thru F) that you will see on the HDS display. The character is unrelated to your troubleshooting; it designates the SRS unit manufacturer and other detail used for product analysis.

- \* 1: The SRS indicator turns on and stays on whenever the ignition switch is in the ON (II) position, or until the code is cleared.
- \* 2: The SRS indicator turns on when the DTC is set. The SRS indicator will not turn on after the ignition switch is cycled from ON (II) to OFF (0), but the DTC will be stored in the SRS unit.

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## DTC Troubleshooting Index (cont'd)

| DTC   | Latch <sup>*1</sup> | Reset <sup>*2</sup> | Detection Item                                     | Notes             |
|-------|---------------------|---------------------|----------------------------------------------------|-------------------|
| 51-xx |                     | ×                   | Internal failure of the SRS unit                   | (see page 24-110) |
| 52-xx | ×                   |                     |                                                    |                   |
| 53-xx |                     | ×                   |                                                    |                   |
| 54-xx |                     |                     |                                                    |                   |
| 55-xx |                     |                     |                                                    |                   |
| 57-xx | ×                   |                     |                                                    |                   |
| 61-1x |                     | ×                   | Open in driver's seat belt buckle switch           | (see page 24-111) |
| 61-2x |                     |                     | Short in driver's seat belt buckle switch          | (see page 24-112) |
| 62-1x |                     |                     | Open in front passenger's seat belt buckle switch  | (see page 24-113) |
| 62-2x |                     |                     | Short in front passenger's seat belt buckle switch | (see page 24-114) |
| 71-1x |                     |                     | Open in driver's seat position sensor              | (see page 24-115) |
| 71-2x |                     |                     | Short in driver's seat position sensor             | (see page 24-116) |



| DTC   | Latch <sup>*1</sup> | Reset <sup>*2</sup> | Detection Item                                                                                      | Notes             |
|-------|---------------------|---------------------|-----------------------------------------------------------------------------------------------------|-------------------|
| 81-4x |                     | ×                   | Faulty ODS unit                                                                                     | (see page 24-121) |
| 81-61 |                     |                     | No signal from ODS unit                                                                             | (see page 24-118) |
| 81-62 |                     |                     | Non-stipulated response data                                                                        |                   |
| 81-63 |                     |                     | Model ID code or variation inconsistent                                                             | (see page 24-121) |
| 81-64 |                     |                     | ECU serial ID code inconsistent                                                                     |                   |
| 81-71 |                     |                     | ODS unit does not calibrate                                                                         | (see page 24-120) |
| 81-78 |                     |                     |                                                                                                     |                   |
| 81-79 |                     |                     | Front passenger's weight sensors drift check failure                                                | (see page 24-122) |
| 82-1x |                     |                     | No signal from the inner side front passenger's weight sensor                                       |                   |
| 83-2x |                     |                     | No signal from the outer side front passenger's weight sensor                                       | (see page 24-123) |
| 85-4x |                     |                     | Faulty ODS unit                                                                                     |                   |
| 85-61 |                     |                     | No signal from the ODS unit                                                                         | (see page 24-118) |
| 85-62 |                     |                     | Non-stipulated response data                                                                        |                   |
| 85-63 |                     |                     | Model ID code or variation code inconsistent                                                        | (see page 24-123) |
| 85-64 |                     |                     | ECU serial ID code inconsistent                                                                     |                   |
| 85-71 |                     |                     | ODS unit not initialized                                                                            | (see page 24-121) |
| 85-78 |                     |                     |                                                                                                     |                   |
| 85-79 |                     |                     | ODS drift check failure                                                                             | (see page 24-124) |
| 86-1x |                     |                     | Faulty seat-back OPDS sensor                                                                        |                   |
| 86-2x |                     |                     | Faulty seat support OPDS sensor                                                                     |                   |
| 92-1x |                     |                     | Short to power in the front passenger's airbag cutoff indicator                                     | (see page 24-125) |
| 92-2x |                     |                     | Open or short to ground in the front passenger's airbag cutoff indicator                            | (see page 24-126) |
| A1-1x |                     |                     | Faulty power supply (VA line)                                                                       | (see page 24-128) |
| A2-1x |                     |                     | Faulty power supply (VB line)                                                                       | (see page 24-129) |
| E2-11 |                     |                     | Front passenger's airbag does not deploy by SWS operation                                           | (see page 24-110) |
| E4-11 |                     |                     | Front passenger's side airbag does not deploy by OPDS operation                                     |                   |
| F1-11 |                     |                     | Driver's airbag and/or driver's seat belt tensioner deployed                                        |                   |
| F2-11 |                     |                     | Front passenger's airbag and/or front passenger's seat belt tensioner deployed                      |                   |
| F3-11 |                     |                     | Driver's side airbag, left side curtain airbag, and/or driver's seat belt tensioner deployed        |                   |
| F4-11 |                     |                     | Front passenger's side airbag, right side curtain airbag, and/or front seat belt tensioner deployed |                   |

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- \* 1: The SRS indicator turns on and stays on whenever the ignition switch is in the ON (II) position, or until the code is cleared.
- \* 2: The SRS indicator turns on when the DTC is set. The SRS indicator will not turn on after the ignition switch is cycled from ON (II) to OFF (0), but the DTC will be stored in the SRS unit.

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## DTC Troubleshooting Index (cont'd)

## ODS Unit DTC Index

| SRS Unit DTC | ODS Unit DTC | Detection Item                                                           | Notes                                                           |
|--------------|--------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|
| 81-42        | 42-11        | Internal failure of the ODS unit                                         | (see page 24-121)                                               |
|              | 42-12        |                                                                          |                                                                 |
|              | 42-13        |                                                                          |                                                                 |
|              | 42-14        |                                                                          |                                                                 |
|              | 42-15        |                                                                          |                                                                 |
|              | 42-16        |                                                                          |                                                                 |
|              | 42-18        |                                                                          |                                                                 |
|              | 42-21        |                                                                          |                                                                 |
|              | 42-23        |                                                                          |                                                                 |
|              | 42-25        |                                                                          |                                                                 |
| 81-43        | 43-31        | Internal failure of the ODS unit                                         |                                                                 |
|              | 43-32        |                                                                          |                                                                 |
|              | 43-33        |                                                                          |                                                                 |
|              | 43-34        |                                                                          |                                                                 |
|              | 43-36        |                                                                          |                                                                 |
| 81-71        | 43-41        | ODS unit does not calibrate                                              | Calibrate the front passenger's weight sensor (see page 24-120) |
|              | 71-41        |                                                                          |                                                                 |
|              | 71-42        |                                                                          |                                                                 |
|              | 71-43        |                                                                          |                                                                 |
|              | 71-51        |                                                                          |                                                                 |
|              | 71-53        |                                                                          |                                                                 |
|              | 71-55        |                                                                          |                                                                 |
|              | 71-56        |                                                                          |                                                                 |
|              | 71-57        | Communication error between ODS unit and front passenger's weight sensor | Failure of battery voltage (see page 22-76)                     |
|              | 71-58        |                                                                          |                                                                 |
|              | 71-55        | Unsuccessful ODS unit calibration                                        | Calibrate the front passenger's weight sensor (see page 24-120) |
|              | 71-56        |                                                                          |                                                                 |
|              | 71-57        |                                                                          |                                                                 |
|              | 71-58        |                                                                          |                                                                 |



# ODS Unit DTC Index

| SRS Unit DTC | ODS Unit DTC | Detection Item                                                               | Notes             |
|--------------|--------------|------------------------------------------------------------------------------|-------------------|
| 82-11        | 11-11        | Short to power in the inner side front passenger's weight sensor power line  | (see page 24-122) |
|              | 11-12        | Short to ground in the inner side front passenger's weight sensor power line |                   |
| 82-12        | 12-21        | Open in the inner side front passenger's weight sensor signal line           |                   |
| 82-13        | 13-31        | No signal from the inner side front passenger's weight sensor                |                   |
|              | 13-32        |                                                                              |                   |
|              | 13-33        |                                                                              |                   |
|              | 13-34        |                                                                              |                   |
|              | 13-35        |                                                                              |                   |
| 83-21        | 21-11        | Short to power in the outer side front passenger's weight sensor power line  | (see page 24-123) |
|              | 21-12        | Short to ground in the outer side front passenger's weight sensor power line |                   |
| 83-22        | 22-21        | Open in the outer side front passenger's weight sensor signal line           |                   |
| 83-23        | 23-31        | No signal from the outer side front passenger's weight sensor                |                   |
|              | 23-32        |                                                                              |                   |
|              | 23-33        |                                                                              |                   |
|              | 23-34        |                                                                              |                   |
|              | 23-35        |                                                                              |                   |
| 85-42        | 42-01        | Internal failure of the ODS unit                                             |                   |
|              | 42-02        |                                                                              |                   |
|              | 42-03        |                                                                              |                   |
|              | 42-04        |                                                                              |                   |
|              | 42-05        |                                                                              |                   |
|              | 42-06        |                                                                              |                   |
|              | 42-07        |                                                                              |                   |
| 85-43        | 43-01        | Internal failure of the ODS unit                                             |                   |
|              | 43-02        |                                                                              |                   |
|              | 43-03        |                                                                              |                   |
|              | 43-04        |                                                                              |                   |
|              | 43-05        |                                                                              |                   |
|              | 43-06        |                                                                              |                   |
| 85-71        | 71-00        | ODS unit does not initialize                                                 | (see page 24-121) |
|              | 71-02        | Internal failure of the ODS unit                                             |                   |

## Symptom Troubleshooting Index

| Symptom                                                           | Diagnostic procedure                                           | Also check for                                                                                           |
|-------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| SRS indicator does not come on                                    | Symptom Troubleshooting (see page 24-131)                      | Communication with HDS                                                                                   |
| SRS indicator stays on, but no DTCs are stored                    | Symptom Troubleshooting (see page 24-131)                      | Charging system for under or overcharging                                                                |
| Side airbag cutoff indicator is flashing                          | Check the DTC. If DTC indicated, go to the DTC troubleshooting | <ul style="list-style-type: none"> <li>• ODS Initialization</li> <li>• Communication with HDS</li> </ul> |
| Side airbag cutoff indicator stays on                             | Symptom Troubleshooting (see page 24-132)                      | Communication with HDS                                                                                   |
| Side airbag cutoff indicator does not come on                     | Symptom Troubleshooting (see page 24-132)                      | <ul style="list-style-type: none"> <li>• ODS Initialization</li> <li>• Communication with HDS</li> </ul> |
| Passenger's airbag cutoff indicator is flashing                   | Check the DTC. If DTC indicated, go to the DTC troubleshooting | Communication with HDS                                                                                   |
| Passenger's airbag cutoff indicator stays on or comes on suddenly | Symptom Troubleshooting (see page 24-133)                      | Communication with HDS                                                                                   |
| Passenger's airbag cutoff indicator does not come on              | Check the DTC. If DTC indicated, go to the DTC troubleshooting | Communication with HDS                                                                                   |
| HDS does not communicate with the SRS unit or the vehicle         | Troubleshoot the DLC circuit (see page 11-223)                 | Communication with HDS                                                                                   |



## System Description

### SRS Components

#### Airbags

The SRS is a safety device which, when used with the seat belt, is designed to help protect the driver and front passenger in a frontal impact exceeding a certain set limit. The system consists of the SRS unit, including safing sensor and impact sensor (A), the cable reel (B), the driver's airbag (C), the front passenger's airbag (D), side airbags (E), side curtain airbags (F), seat belt tensioners (G), side impact sensors (first) (H), front impact sensors (I), roll rate sensor (J), satellite safing sensor (K) and side impact sensors (second) (L).

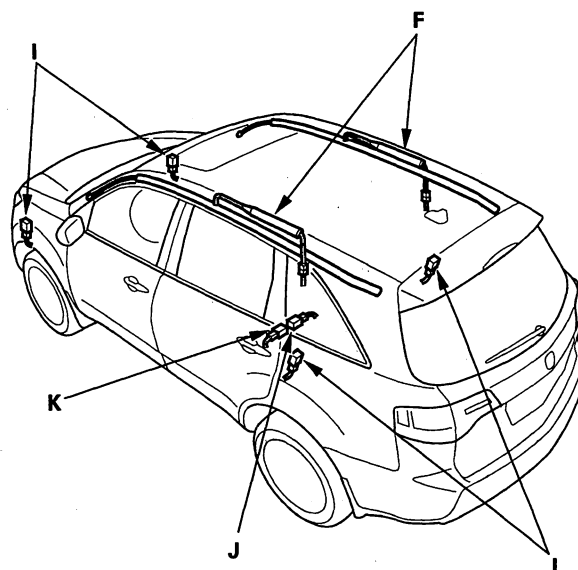
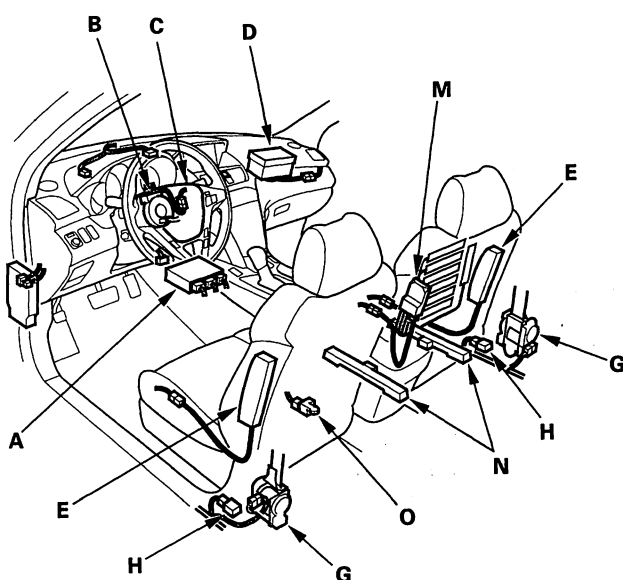
Since the driver's and front passenger's airbags use the same sensors, both normally inflate at the same time. However, it is possible for only one airbag to inflate. This can occur when the severity of a collision is at the margin, or threshold, that the SRS unit determines whether or not the airbags will deploy. In such cases, the seat belt will provide sufficient protection, and the supplemental protection offered by the airbag would be minimal.

#### Front Passenger's Weight Sensors

The ODS unit (M) is in the front passenger's seat-back along with the weight sensors (N). The weight sensors detect the weight on the seat, and send the information to the ODS unit. If the total weight is about 65 lbs (30 kg) or less, the ODS unit sends a signal to the SRS unit to prevent the passenger's airbag from deploying. When the passenger's airbag is disabled, the passenger airbag cutoff indicator on the center panel comes on to alert the driver that the front passenger's airbag will not deploy in a front-end collision.

#### Driver's Seat Position Sensor

The driver's seat position sensor (O) is under the driver's seat on the left side. When the driver's seat is moved to its full forward position, the deployment of the driver's airbag is moderated to decrease its force of impact during a front-end collision.



(cont'd)

## System Description (cont'd)

### Roll Rate Sensor

The roll rate sensor is located under the second row seat. It detects the amount of roll of the vehicle and sends the information to the SRS unit. The SRS unit uses this information to determine if a vehicle rollover is imminent. If so, it deploys both side curtain airbags and the front seat belt tensioners.

### Satellite Safing Sensor

The satellite safing sensor is located under the second row seat. The satellite safing sensor performs the same basic function as the safing sensor in the SRS unit. It measures sideways G force, such as the force the vehicle would receive in a side collision in the rear, and sends that information to the SRS unit. The SRS unit uses that information, and the information from the second side impact sensors to determine the side that is impacted and the force. If the threshold is met, the SRS unit deploys the side airbag, the side curtain airbag and the seat belt tensioner on that side.

### Side Airbag Cutoff Indicator/ODS Operation

The indicator comes on if the front passenger's seat is occupied by a small adult or child who is leaning into the deployment path, or an object (grocery bag, briefcase, purse, etc.) is in the seat. This indicates the passenger's side airbag is off and will not deploy; there is no problem with the side airbag. If the passenger sits upright or moves to another seat, or you remove the object from the seat, the light should go off. There will be some delay between the occupant's repositioning, and when the indicator will turn on or off.

### Passenger Airbag Cutoff Indicator

The indicator comes on if the weight of the front passenger is about 65 lbs (30 kg) or less. This indicates the passenger's front airbag is off and will not deploy. The front airbag is shut off to reduce the chance of airbag-caused injuries.

### SRS Operation

The main circuit in the SRS unit senses and judges the force of impact and, if necessary, ignites the inflator charges. If battery voltage is too low or power is disconnected due to the impact, the voltage regulator and the back-up power circuit will keep voltage at a constant level.

### For the SRS to operate

#### Seat Belt Tensioners

- (1) A front impact sensor, side impact sensor, or the satellite safing sensor must activate and send electric signals to the microprocessor.
- (2) The microprocessor must compute the signals and send them to the tensioners.
- (3) The charges must ignite and deploy the tensioners.

#### Driver's and Front Passenger's Airbag(s)

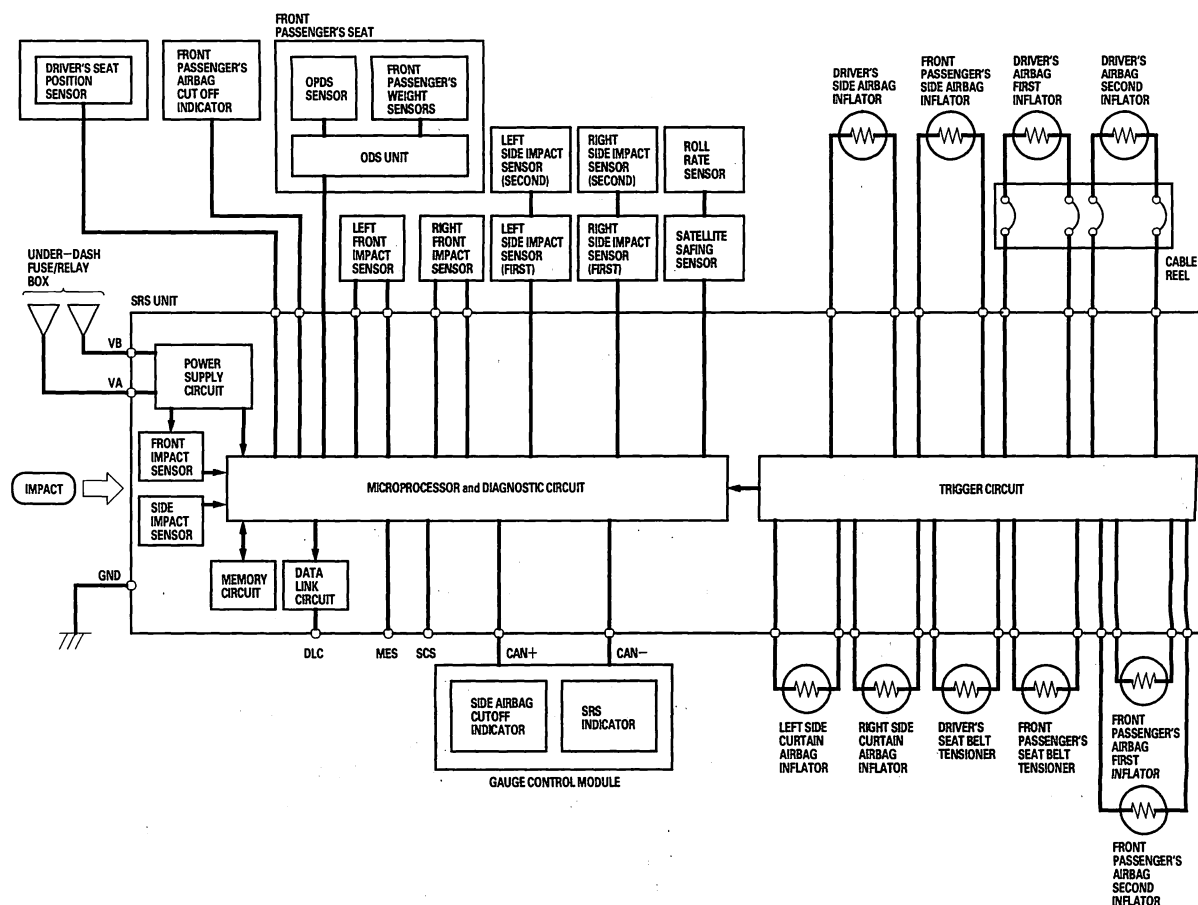
- (1) A front impact sensor must activate, and send electric signals to the microprocessor.
- (2) The microprocessor must compute the signals, and send them to the airbag inflator(s).
- (3) The inflators that received signals must ignite and deploy the airbags.

#### Side Airbag(s)

- (1) A side impact sensor must activate, and send electric signals to the microprocessor.
- (2) The microprocessor must compute the signals and send them to the side airbag inflator(s). However, the microprocessor cuts off the signals to the front passenger's side airbag if the SRS unit determines that the front passenger's head is in the deployment path of the side airbag.
- (3) The inflator that receives the signal must ignite and deploy the side airbag.

#### Side Curtain Airbag(s)

- (1) Side impact sensor, roll rate sensor, or the rear safing sensor must activate, and send electrical signals to the microprocessor.
- (2) The microprocessor must compute the signals and send them to the side curtain airbag and side airbag inflator(s).
- (3) The inflator that receives the signals must ignite and deploy the side curtain airbag and side airbag at the same time.



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### Self-diagnostic System

A self-diagnostic circuit is built into the SRS unit; when the ignition switch is turned ON (II), the SRS indicator comes on and goes off after about 6 seconds if the system is operating normally.

If the indicator does not come on, or does not go off after 6 seconds, or if it comes on while driving, it indicates an abnormality in the system. The system must be inspected and repaired as soon as possible.

For better serviceability, the SRS unit memory stores a DTC that relates to the cause of the malfunction, and the unit is connected to the data link connector (DLC). This information can be read with the HDS when it is connected to the DLC (16P) (see page 24-30).

**NOTE:** Before you disconnect the negative cable from the battery for troubleshooting, make sure you have the anti-theft codes for the audio system and the navigation system (if equipped).

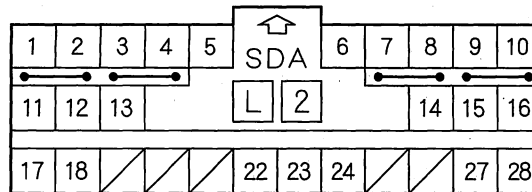
(cont'd)

**BACK**

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## System Description (cont'd)

### SRS Unit Inputs and Outputs at Connector A (28P)



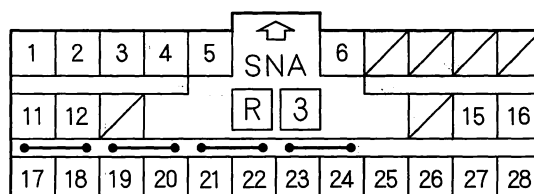
Wire side of female terminals

| Terminal Number | Wire Color | Terminal Name | Description                                                           |
|-----------------|------------|---------------|-----------------------------------------------------------------------|
| 1               | GRN        | LA2+          | Power source for driver's airbag second inflator                      |
| 2               | PUR        | LA2—          | Ground for driver's airbag second inflator                            |
| 3               | LT GRN     | RA2+          | Power source for passenger's airbag second inflator                   |
| 4               | LT BLU     | RA2—          | Ground for passenger's airbag second inflator                         |
| 5               | LT GRN     | MES           | Memory delete signal input                                            |
| 6               | BRN        | SCS           | Service check signal input                                            |
| 7               | LT BLU     | LA1+          | Power source for driver's airbag first inflator                       |
| 8               | BRN        | LA1—          | Ground for driver's airbag first inflator                             |
| 9               | YEL        | RA1+          | Power source for passenger's airbag first inflator                    |
| 10              | BLU        | RA1—          | Ground for passenger's airbag first inflator                          |
| 11              | WHT        | CAN HI        | Sends and receives communication signal with the gauge control module |
| 12              | RED        | CAN LO        | Sends and receives communication signal with the gauge control module |
| 13              | BLU        | PTT           | Passenger's airbag cutoff indicator output line                       |
| 14              | GRN        | ODS           | Sends and receives communication signal with the ODS unit             |
| 15              | BRN        | LFS—          | Ground for left front impact sensor (G505)                            |
| 16              | LT BLU     | RFS—          | Ground for right front impact sensor (G505)                           |
| 17              | GRN        | VA            | SRS system sub power (common with ODS)                                |
| 18              | RED        | VB            | SRS dedicated power (dedicated booster circuit)                       |
| 22              | BLK        | SRS GND (1)   | Ground circuit for the SRS                                            |
| 23              | BLK        | SRS GND (2)   | Ground circuit for the SRS                                            |
| 24              | LT BLU     | K-LINE        | Sends and receives scan tool signal (serial data)                     |
| 27              | RED        | LFS+          | Power source for left front impact sensor                             |
| 28              | GRN        | RFS+          | Power source for right front impact sensor                            |

NOTE: BLU or BRN wires may be substituted for the wire colors in this table.



## SRS Unit Inputs and Outputs at Connector B (28P)



Wire side of female terminals

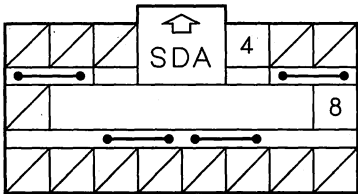
| Terminal Number | Wire Color | Terminal Name | Description                                                                          |
|-----------------|------------|---------------|--------------------------------------------------------------------------------------|
| 1               | RED        | LRP+          | Power source for driver's seat belt tensioner                                        |
| 2               | BRN        | LRP-          | Ground for driver's seat belt tensioner                                              |
| 3               | GRN        | RRP+          | Power source for front passenger's seat belt tensioner                               |
| 4               | LT BLU     | RRP-          | Ground for front passenger's seat belt tensioner                                     |
| 5               | GRN        | SS-           | Ground for driver's seat position sensor                                             |
| 6               | BLU        | SS+           | Power source for driver's seat position sensor                                       |
| 11              | YEL        | LBSC          | Driver's seat belt buckle switch unbuckled signal                                    |
| 12              | LT GRN     | LBSO          | Driver's seat belt buckle switch buckled signal                                      |
| 15              | BLU        | RBSC          | Front passenger's seat belt buckle switch unbuckled signal                           |
| 16              | ORN        | RBSO          | Front passenger's seat belt buckle switch buckled signal                             |
| 17              | GRN        | LSA+          | Power source for driver's side airbag inflator                                       |
| 18              | RED        | LSA-          | Ground for driver's side airbag inflator                                             |
| 19              | WHT        | RSA+          | Power source for front passenger's side airbag inflator                              |
| 20              | BLU        | RSA-          | Ground for front passenger's side airbag inflator                                    |
| 21              | BRN        | LCA1+         | Power source for left side curtain airbag inflator                                   |
| 22              | BLU        | LCA1-         | Ground for left side curtain airbag inflator                                         |
| 23              | GRY        | RCA1+         | Power source for right side curtain airbag inflator                                  |
| 24              | RED        | RCA1-         | Ground for right side curtain airbag inflator                                        |
| 25              | PNK        | LBS1+         | Power source for left side impact sensor (first), left side impact sensor (second)   |
| 26              | GRY        | LBS1-         | Ground for left side impact sensor (first), left side impact sensor (second)         |
| 27              | BRN        | RBS1+         | Power source for right side impact sensor (first), right side impact sensor (second) |
| 28              | LT GRN     | RBS1-         | Ground for right side impact sensor (first), right side impact sensor (second)       |

NOTE: BLU or BRN wires may be substituted for the wire colors in this table.

(cont'd)

System Description (cont'd)

SRS Unit Inputs and Outputs at Connector C (16P)

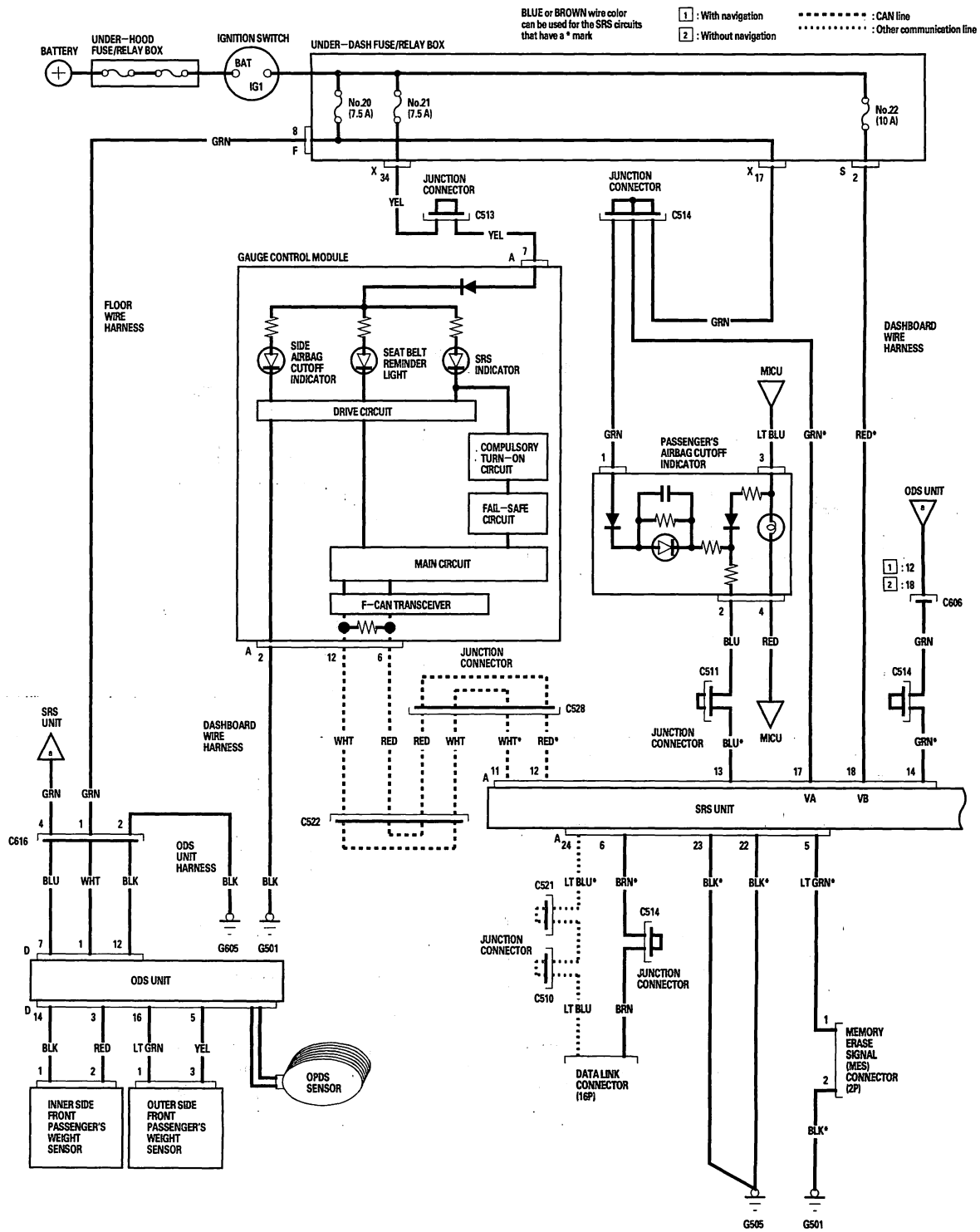


Wire side of female terminals

| Terminal Number | Wire Color | Terminal Name | Description                              |
|-----------------|------------|---------------|------------------------------------------|
| 4               | BLU        | SSS—          | Ground for satellite safing sensor       |
| 8               | RED        | SSS—+         | Power source for satellite safing sensor |



## Circuit Diagram

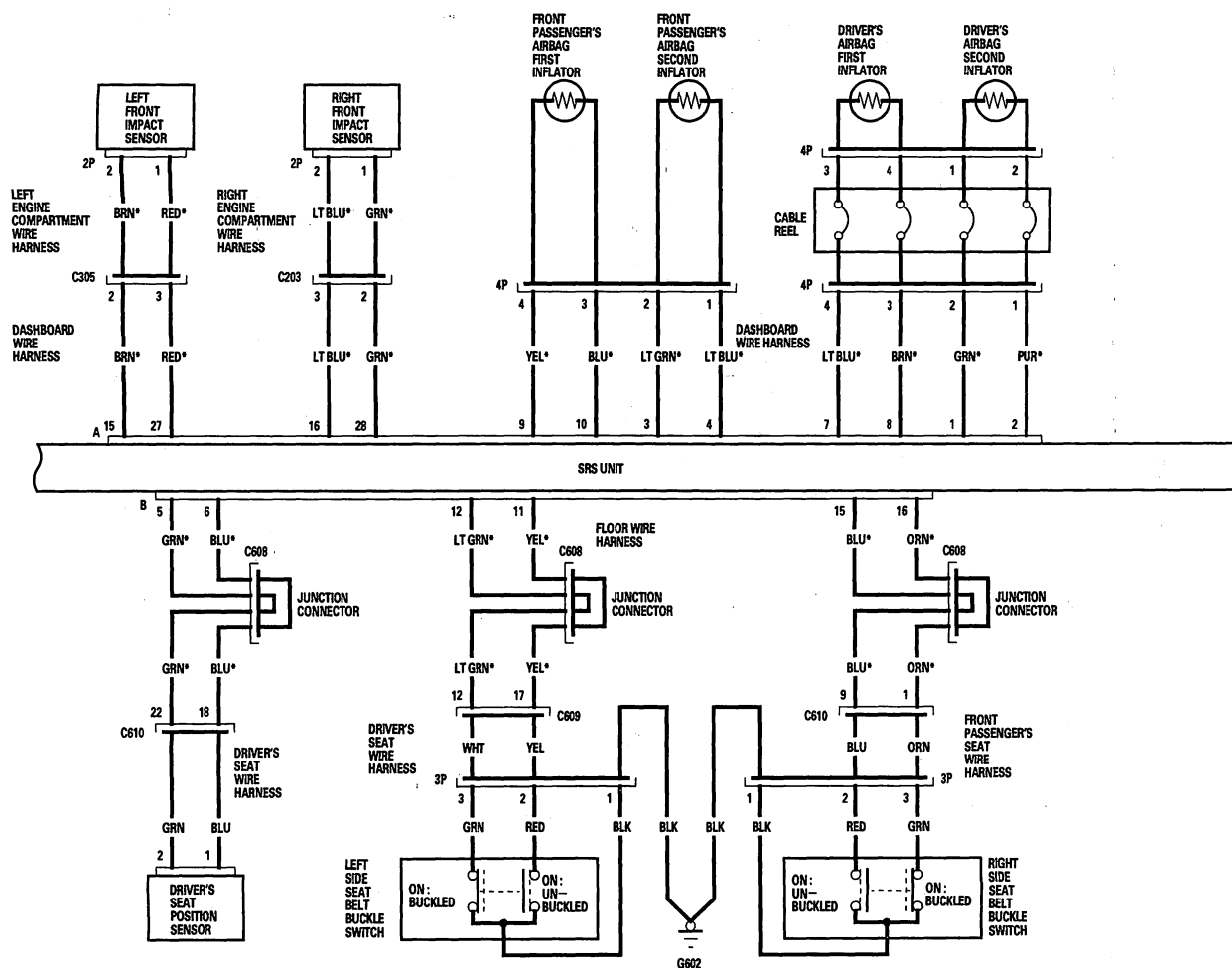


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BACK

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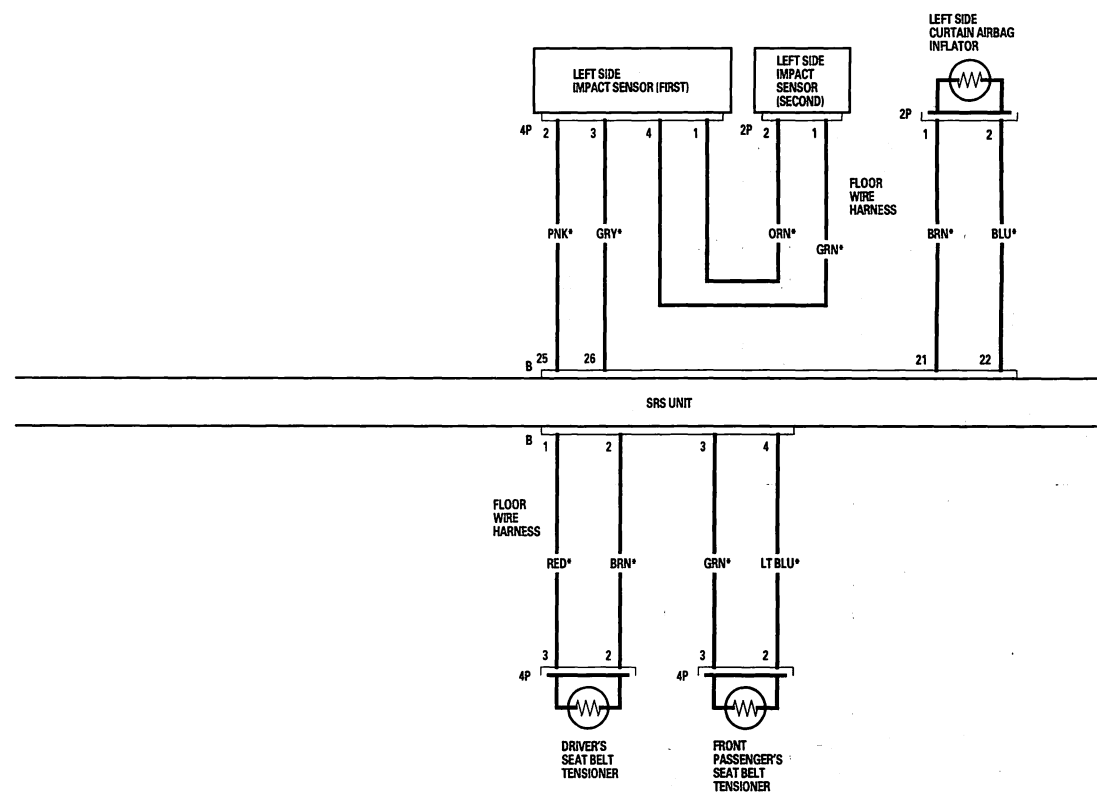
## Circuit Diagram (cont'd)





Wiring Diagram - SRS

BLUE or BROWN wire color  
can be used for the SRS circuits  
that have a \* mark



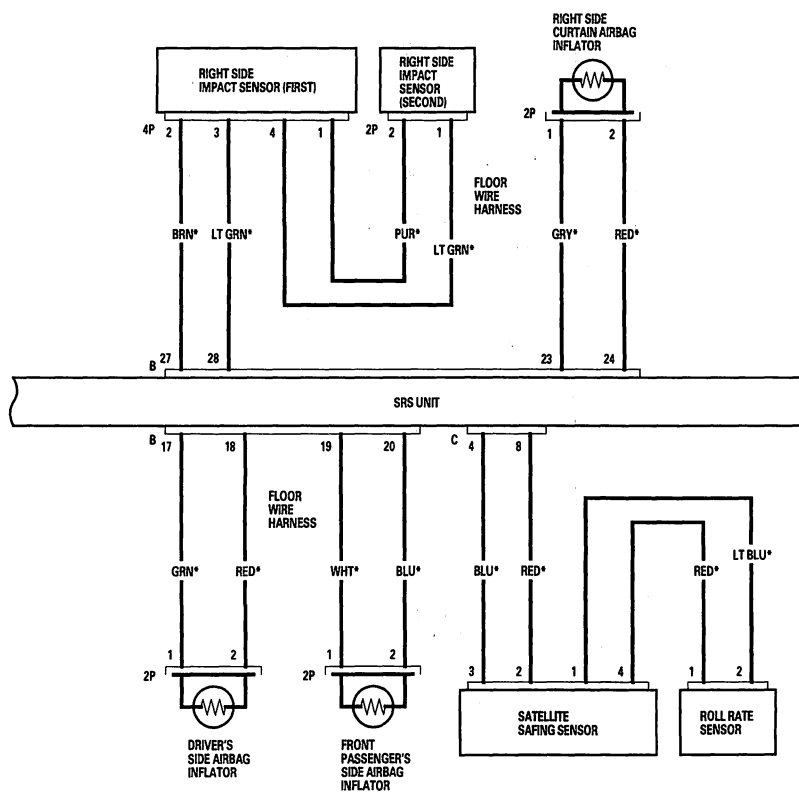
(cont'd)

BACK

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## Circuit Diagram (cont'd)

BLUE or BROWN wire color  
can be used for the SRS circuits  
that have a \* mark





## DTC Troubleshooting

### DTC 11-1x ("x" can be 0 thru 9 or A thru F):

Open in Driver's Airbag First Inflator

### DTC 11-2x ("x" can be 0 thru 9 or A thru F):

Increased Resistance in Driver's Airbag First Inflator

### DTC 11-4x ("x" can be 0 thru 9 or A thru F):

Open in Driver's Airbag Second Inflator

### DTC 11-5x ("x" can be 0 thru 9 or A thru F):

Increased Resistance in Driver's Airbag Second Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

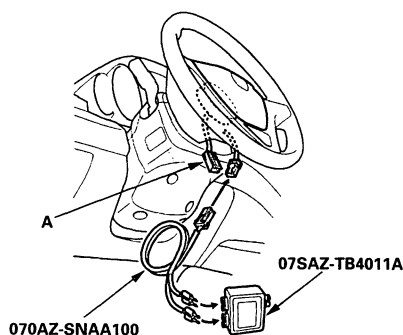
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 11-1x, 11-2x, 11-4x, or 11-5x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the driver's airbag 4P connector (A) from the cable reel.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the cable reel.

6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

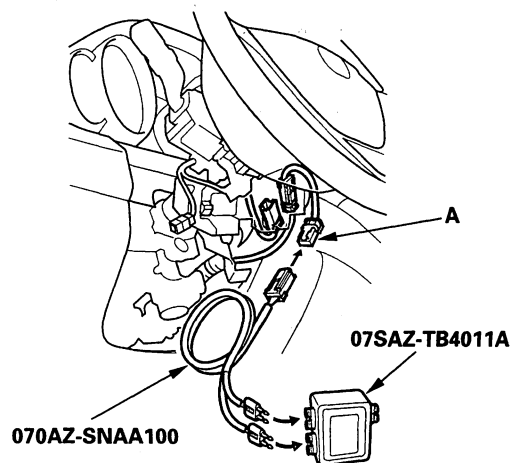
*Is DTC 11-1x, 11-2x, 11-4x, or 11-5x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-137). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

10. Disconnect the dashboard wire harness 4P connector (A) from the cable reel.



11. Connect the SRS inflator simulator (2  $\Omega$  connectors) and the simulator lead J to the dashboard wire harness.
12. Reconnect the negative cable to the battery.
13. Erase the DTC memory.

(cont'd)

## DTC Troubleshooting (cont'd)

14. Read the DTC.

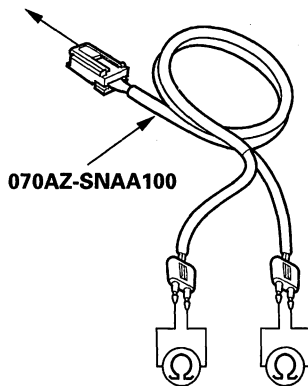
*Is DTC 11-1x, 11-2x, 11-4x, or 11-5x indicated?*

**YES**—Go to step 15.

**NO**—Open or increased resistance in the cable reel; replace the cable reel (see page 24-149). ■

15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
17. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
18. Measure the resistance between the terminals of both SRS simulator leads. There should be 1  $\Omega$  or less.

**DASHBOARD WIRE HARNESS  
4P CONNECTOR**



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the dashboard wire harness; replace the dashboard wire harness. ■

**DTC 11-3x ("x" can be 0 thru 9 or A thru F):  
Short to Another Wire or Decreased  
Resistance in Driver's Airbag First Inflator**  
**DTC 11-6x ("x" can be 0 thru 9 or A thru F):  
Short to Another Wire or Decreased  
Resistance in Driver's Airbag Second Inflator**

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100
- SRS short canceller 070AZ-SAA0100

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

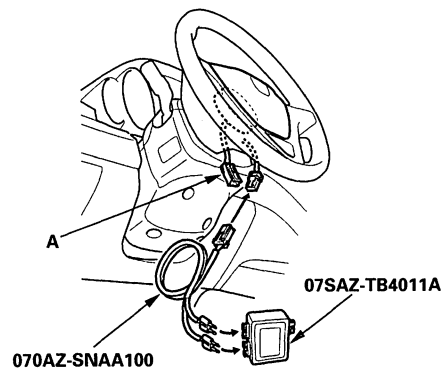
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 11-3x or 11-6x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the driver's airbag 4P connector (A) from the cable reel.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the cable reel.



6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

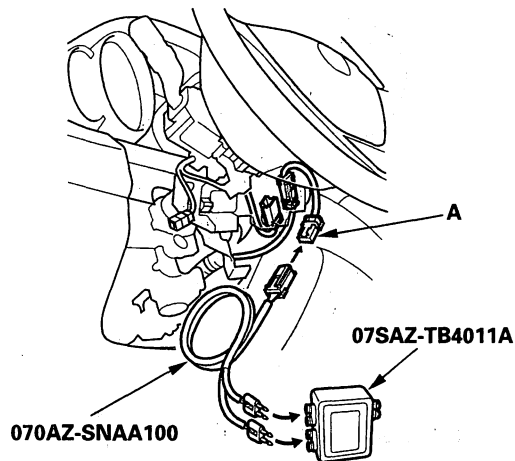
*Is DTC 11-3x or 11-6x indicated?*

**YES**—Go to step 9.

**NO**—Short in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-137). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

10. Disconnect the dashboard wire harness 4P connector (A) from the cable reel.



11. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.

12. Reconnect the negative cable to the battery.

13. Erase the DTC memory.

14. Read the DTC.

*Is DTC 11-3x or 11-6x indicated?*

**YES**—Go to step 15.

**NO**—Short in the cable reel; replace the cable reel (see page 24-149). ■

15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

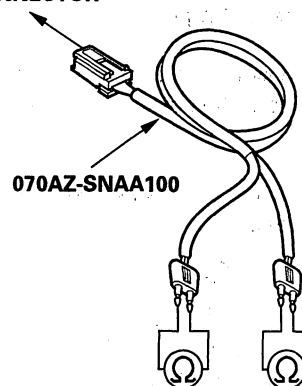
16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).

17. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.

18. Connect a SRS short canceller (070AZ-SAA0100) to No. 7 and No. 8 terminals and No. 1 and No. 2 terminals of the SRS unit connector A (28P) (see page 24-25).

19. Measure the resistance between the terminals of both SRS simulator leads. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**DASHBOARD WIRE HARNESS  
4P CONNECTOR**



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the dashboard wire harness; replace the dashboard wire harness. ■

## DTC Troubleshooting (cont'd)

**DTC 11-8x ("x" can be 0 thru 9 or A thru F):**  
Short to Power in Driver's Airbag First Inflator

**DTC 11-Ax (11-A0 to 11-A9, 11-AA to 11-AF):**  
Short to Power in Driver's Airbag Second Inflator

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

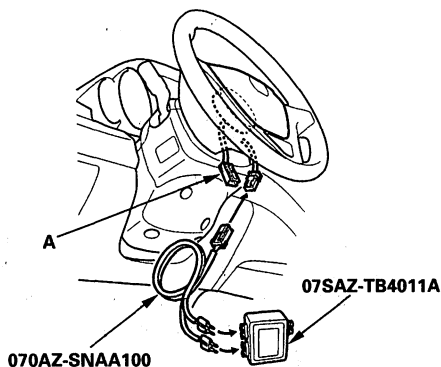
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 11-8x or 11-Ax indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the driver's airbag 4P connector (A) from the cable reel.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the cable reel.

6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

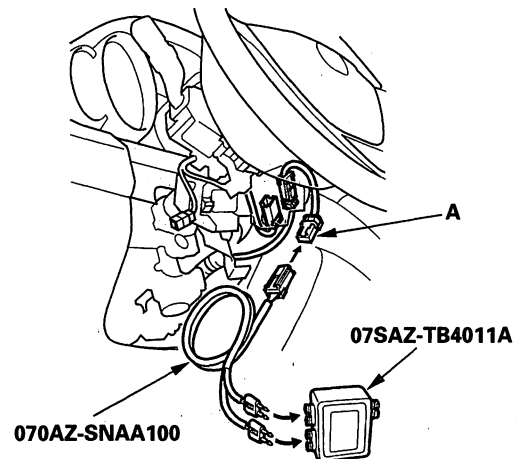
8. Read the DTC (see page 24-30).

*Is DTC 11-8x or 11-Ax indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-137). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the dashboard wire harness 4P connector (A) from the cable reel.



11. Connect the SRS inflator simulator (2  $\Omega$  connectors) and the simulator lead J to the dashboard wire harness.
12. Reconnect the negative cable to the battery.
13. Erase the DTC memory.



14. Read the DTC.

*Is DTC 11-8x or 11-Ax indicated?*

**YES**—Go to step 15.

**NO**—Short to power in the cable reel; replace the cable reel (see page 24-149). ■

15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).

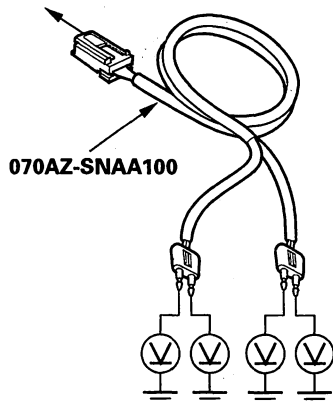
17. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.

18. Reconnect the negative cable to the battery.

19. Turn the ignition switch ON (II).

20. Measure the for voltage between each terminal of the SRS simulator lead and body ground. There should be 0.5 V or less.

**DASHBOARD WIRE HARNESS  
4P CONNECTOR**



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the dashboard wire harness; replace the dashboard wire harness. ■

**DTC 11-9x ("x" can be 0 thru 9 or A thru F):**  
Short to Ground in Driver's Airbag First Inflator

**DTC 11-Bx ("x" can be 0 thru 9 or A thru F):**  
Short to Ground in Driver's Airbag Second Inflator

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

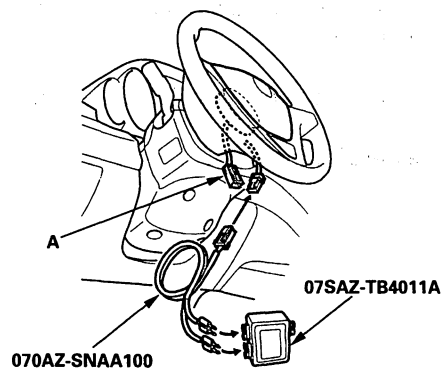
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 11-9x or 11-Bx indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the driver's airbag 4P connector (A) from the cable reel.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the cable reel.

(cont'd)

## DTC Troubleshooting (cont'd)

6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

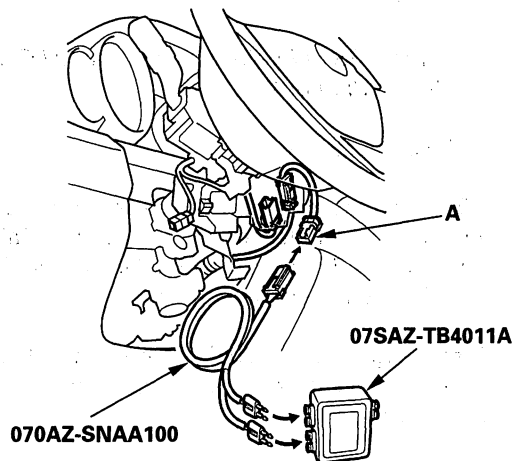
*Is DTC 11-9x or 11-Bx indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-137). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

10. Disconnect the dashboard wire harness 4P connector (A) from the cable reel.



11. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.

12. Reconnect the negative cable to the battery.

13. Erase the DTC memory.

14. Read the DTC.

*Is DTC 11-9x or 11-Bx indicated?*

**YES**—Go to step 15.

**NO**—Short to ground in the cable reel; replace the cable reel (see page 24-149). ■

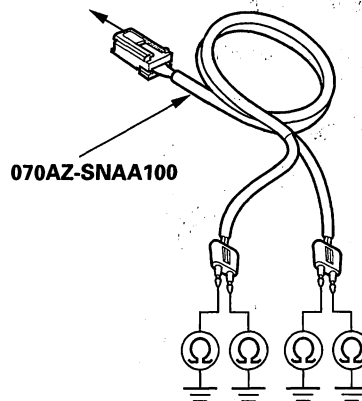
15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).

17. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.

18. Measure the resistance between each terminal of the SRS simulator lead and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**DASHBOARD WIRE HARNESS 4P CONNECTOR**



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the dashboard wire harness; replace the dashboard wire harness. ■



**DTC 12-1x ("x" can be 0 thru 9 or A thru F):**  
Open or Increased Resistance in Front Passenger's Airbag First Inflator

**DTC 12-2x ("x" can be 0 thru 9 or A thru F):**  
Increased Resistance in Front Passenger's Airbag First Inflator

**DTC 12-4x ("x" can be 0 thru 9 or A thru F):**  
Open or Increased Resistance in Front Passenger's Airbag Second Inflator

**DTC 12-5x ("x" can be 0 thru 9 or A thru F):**  
Increased Resistance in Front Passenger's Airbag Second Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

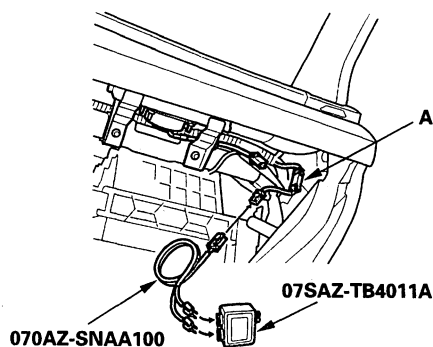
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 12-1x, 12-2x, 12-4x, or 12-5x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



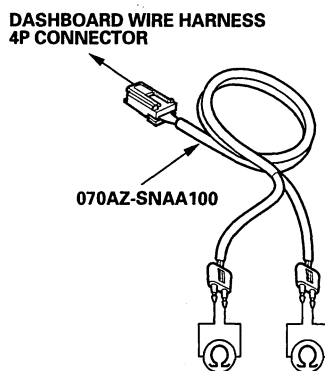
5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-30).

*Is DTC 12-1x, 12-2x, 12-4x, or 12-5x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-138). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
11. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
12. Measure the resistance between the terminals of both SRS simulator leads. There should be 1  $\Omega$  or less.



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P). Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the dashboard wire harness; replace the dashboard wire harness. ■

## DTC Troubleshooting (cont'd)

**DTC 12-3x ("x" can be 0 thru 9 or A thru F):**  
Short to Another Wire or Decreased Resistance in Front Passenger's Airbag First Inflator

**DTC 12-6x ("x" can be 0 thru 9 or A thru F):**  
Short to Another Wire or Decreased Resistance in Front Passenger's Airbag Second Inflator

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100
- SRS short canceller 070AZ-SAA0100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

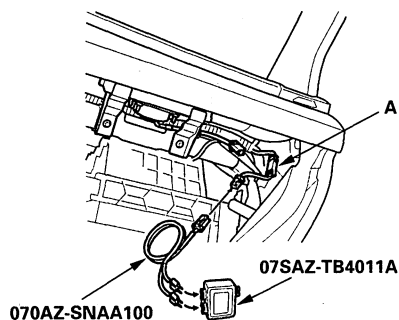
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 12-3x or 12-6x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

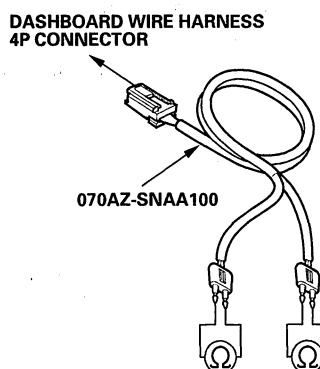
8. Read the DTC (see page 24-30).

*Is DTC 12-3x or 12-6x indicated?*

**YES**—Go to step 9.

**NO**—Short in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-138). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
11. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
12. Connect a SRS short canceller (070AZ-SAA0100) to No. 9 and No. 10 terminals, and the No. 3 and No. 4 terminals of the SRS unit connector A (28P) (see page 24-25).
13. Measure the resistance between the terminals of both SRS simulator leads. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the dashboard wire harness; replace the dashboard wire harness. ■



**DTC 12-8x ("x" can be 0 thru 9 or A thru F):**  
Short to Power in Front Passenger's Airbag  
First Inflator

**DTC 12-Ax ("x" can be 0 thru 9 or A thru F):**  
Short to Power in Front Passenger's Airbag  
Second Inflator

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

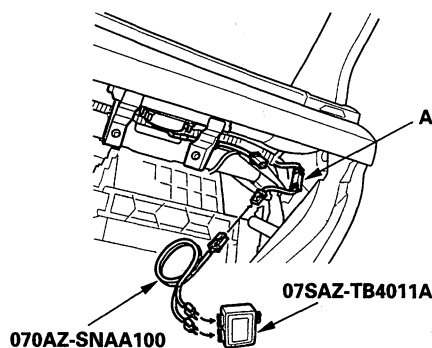
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 12-8x or 12-Ax indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

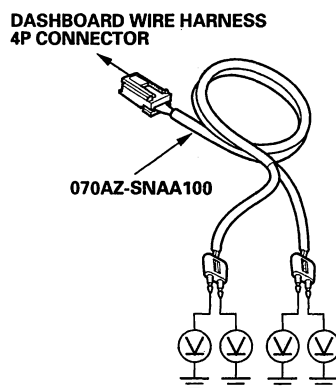
8. Read the DTC (see page 24-30).

*Is DTC 12-8x or 12-Ax indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-138). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
11. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
12. Reconnect the negative cable to the battery.
13. Turn the ignition switch ON (II).
14. Measure the voltage between each terminal of the SRS simulator lead and body ground. There should be 0.5 V or less.



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the dashboard wire harness; replace the dashboard wire harness. ■

## DTC Troubleshooting (cont'd)

**DTC 12-9x ("x" can be 0 thru 9 or A thru F):**  
Short to Ground in Front Passenger's Airbag First Inflator

**DTC 12-Bx ("x" can be 0 thru 9 or A thru F):**  
Short to Ground in Front Passenger's Airbag Second Inflator

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead J 070AZ-SNAA100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

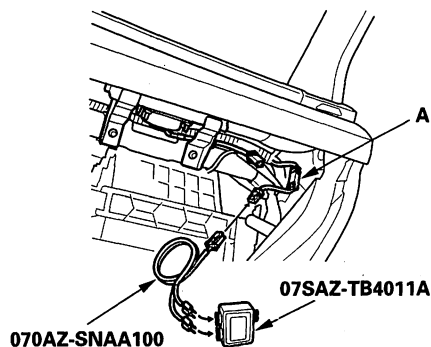
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 12-9x or 12-Bx indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead J to the dashboard wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

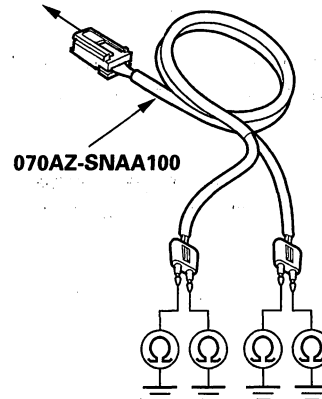
*Is DTC 12-9x or 12-Bx indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-138). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
11. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
12. Measure the resistance between each terminal of the SRS simulator lead and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

### DASHBOARD WIRE HARNESS 4P CONNECTOR



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the dashboard wire harness; replace the dashboard wire harness. ■



**DTC 21-1x ("x" can be 0 thru 9 or A thru F):  
Open in Driver's Seat Belt Tensioner**

**DTC 21-2x ("x" can be 0 thru 9 or A thru F):  
Increased Resistance in Driver's Seat Belt  
Tensioner**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

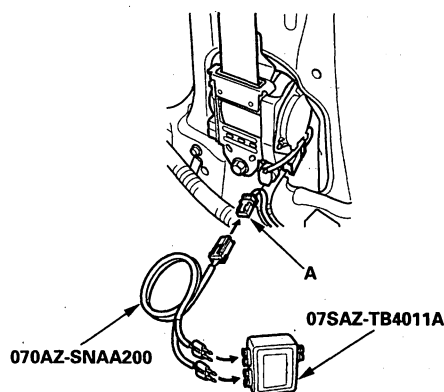
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 21-1x or 21-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.

6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

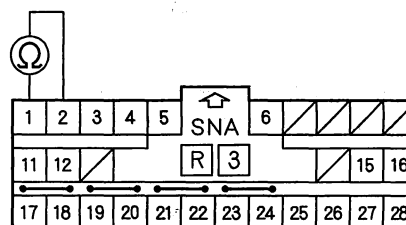
*Is DTC 21-1x or 21-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the front passenger's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Measure the resistance between the No. 1 and the No. 2 terminals of SRS unit connector B (28P). There should be 2.0—3.0  $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 21-3x ("x" can be 0 thru 9 or A thru F): Short to Another Wire or Decreased Resistance in Driver's Seat Belt Tensioner

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

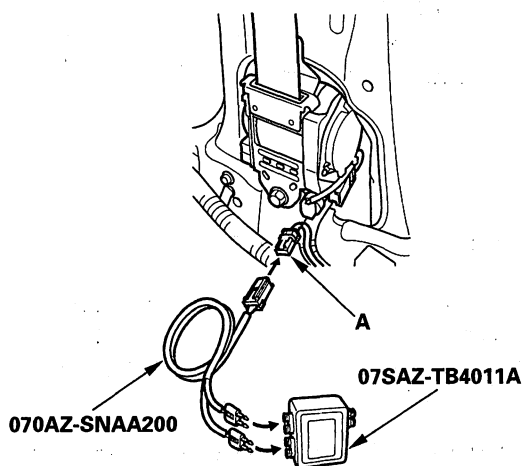
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 21-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.

6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-30).

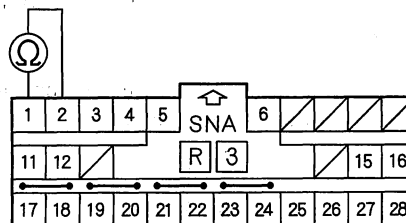
*Is DTC 21-3x indicated?*

**YES**—Go to step 9.

**NO**—Short in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the front passenger's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Measure the resistance between the No. 1 and the No. 2 terminals of SRS unit connector B (28P). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



## DTC 21-8x ("x" can be 0 thru 9 or A thru F): Short to Power in Driver's Seat Belt Tensioner

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

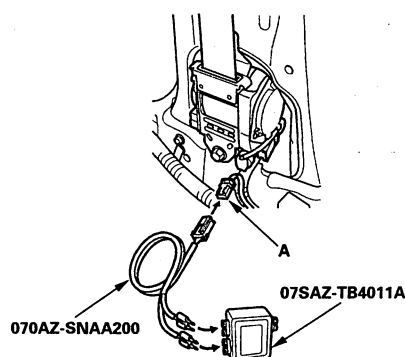
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 21-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

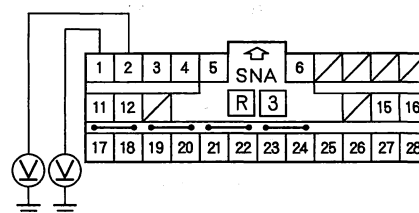
*Is DTC 21-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the front passenger's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the voltage between the No. 1 terminal of SRS unit connector B (28P) and body ground, and between the No. 2 terminal and body ground. There should be 0.5 V or less.

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 21-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Driver's Seat Belt Tensioner

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

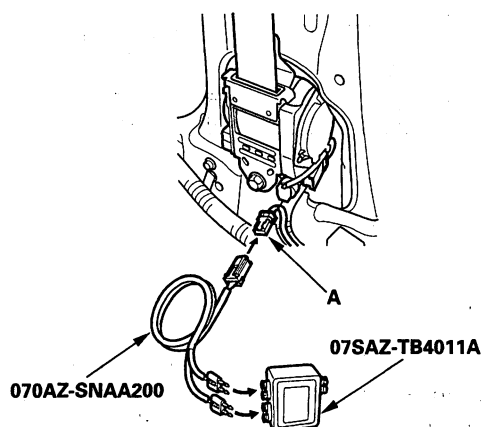
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 21-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.
8. Read the DTC (see page 24-30).

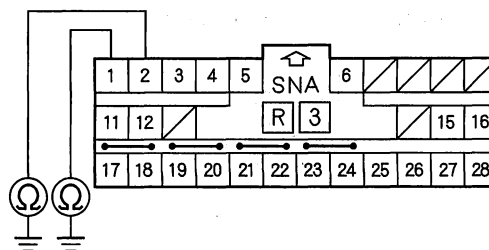
*Is DTC 21-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the front passenger's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Measure the resistance between the No. 1 terminal of SRS unit connector B (28P) and body ground, and between the No. 2 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



**DTC 22-1x ("x" can be 0 thru 9 or A thru F):**  
Open in Front Passenger's Seat Belt  
Tensioner

**DTC 22-2x ("x" can be 0 thru 9 or A thru F):**  
Increased Resistance in Front Passenger's  
Seat Belt Tensioner

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

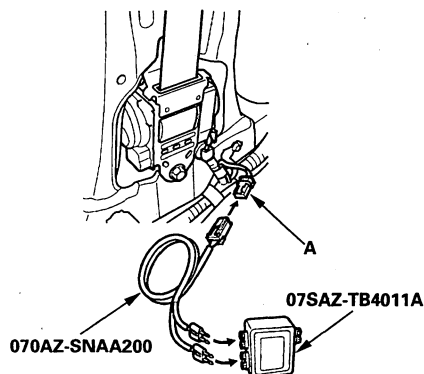
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 22-1x or 22-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.

6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

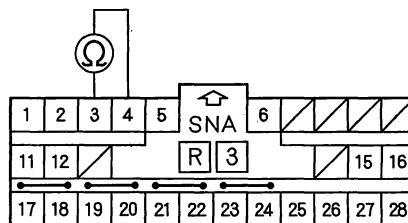
*Is DTC 22-1x or 22-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the driver's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Measure the resistance between the No. 3 and the No. 4 terminals of SRS unit connector B (28P). There should be 2.0—3.0  $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

**DTC 22-3x ("x" can be 0 thru 9 or A thru F):**  
Short to Another Wire or Decreased  
Resistance in Front Passenger's Seat Belt  
Tensioner

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

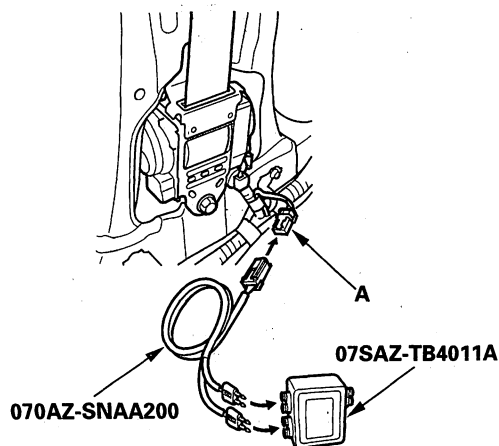
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 22-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.

6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-30).

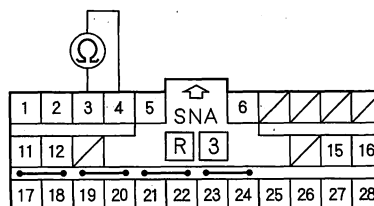
*Is DTC 22-3x indicated?*

**YES**—Go to step 9.

**NO**—Short in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the driver's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Measure the resistance between the No. 3 and the No. 4 terminals of SRS unit connector B (28P). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



## DTC 22-8x ("x" can be 0 thru 9 or A thru F): Short to Power in Front Passenger's Seat Belt Tensioner

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

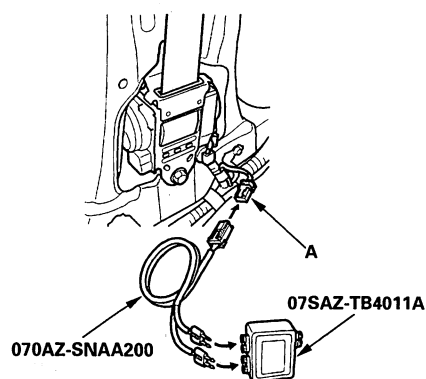
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 22-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

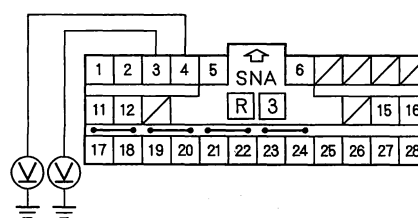
*Is DTC 22-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the driver's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the voltage between the No. 3 terminal of SRS unit connector B (28P) and body ground, and between the No. 4 terminal and body ground. There should be 0.5 V or less.

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 22-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Front Passenger's Seat Belt Tensioner

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead K 070AZ-SNAA200

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

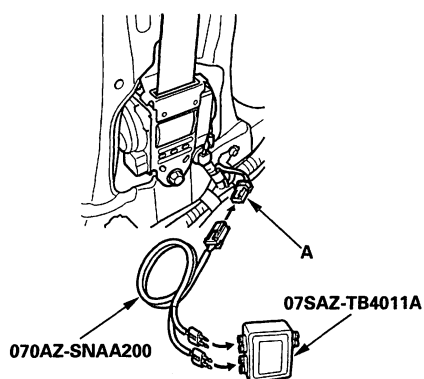
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 22-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead K to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

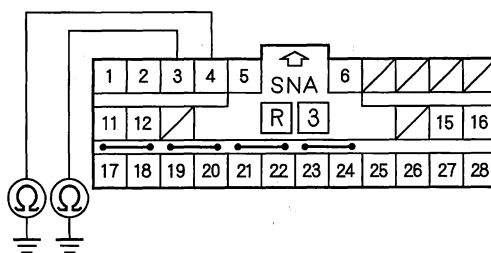
*Is DTC 22-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the driver's seat belt tensioner 4P connector (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the simulator lead from the floor wire harness.
13. Measure the resistance between the No. 3 terminal of SRS unit connector B (28P) and body ground, and between the No. 4 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



**DTC 31-1x ("x" can be 0 thru 9 or A thru F):**  
Open in Driver's Side Airbag Inflator  
**DTC 31-2x ("x" can be 0 thru 9 or A thru F):**  
Increased Resistance in Driver's Side Airbag Inflator

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

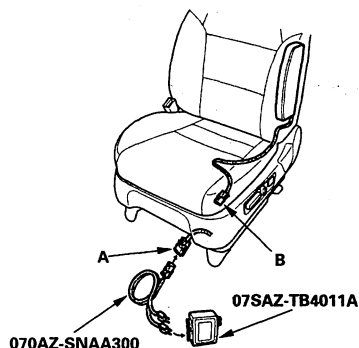
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 31-1x or 31-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the driver's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

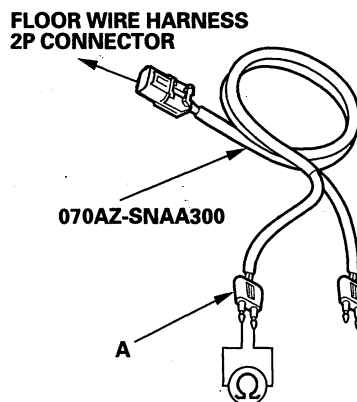
8. Read the DTC (see page 24-30).

*Is DTC 31-1x or 31-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the driver's side airbag inflator; replace the driver's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be 1.0  $\Omega$  or less.



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 31-3x ("x" can be 0 thru 9 or A thru F): Short to Another Wire or Decreased Resistance in Driver's Side Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300
- SRS short canceller 070AZ-SAA0100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

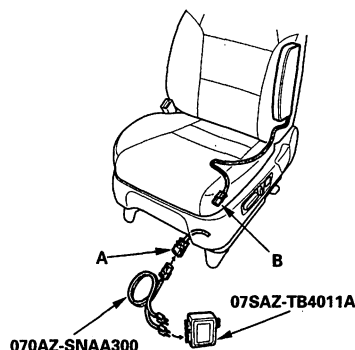
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 31-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the driver's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

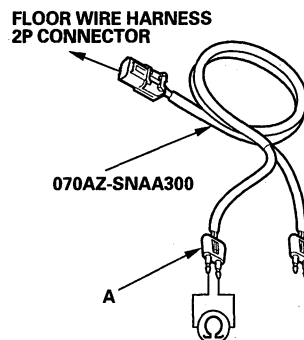
8. Read the DTC (see page 24-30).

*Is DTC 31-3x indicated?*

**YES**—Go to step 9.

**NO**—Short to another wire in the driver's side airbag inflator; replace the driver's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Connect the SRS short canceller (070AZ-SAA0100) to the No. 17 and No. 18 terminals of SRS unit connector B (28P) (see page 24-25).
14. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



## DTC 31-8x ("x" can be 0 thru 9 or A thru F): Short to Power in Driver's Side Airbag Inflator

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

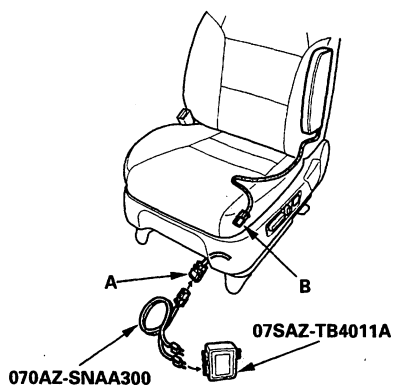
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 31-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the driver's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

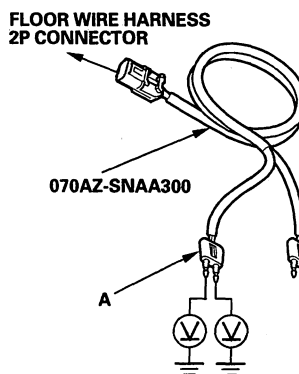
8. Read the DTC (see page 24-30).

*Is DTC 31-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the driver's side airbag inflator; replace the driver's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be 0.5 V or less.



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 31-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Driver's Side Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

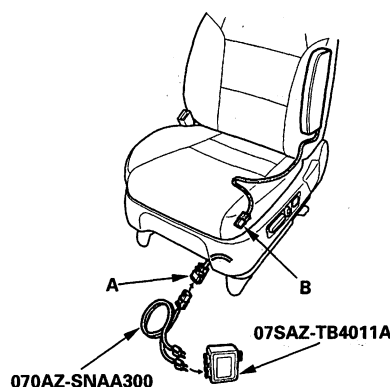
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 31-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the driver's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

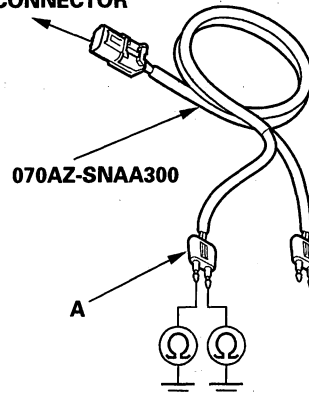
*Is DTC 31-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the driver's side airbag inflator; replace the driver's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

#### FLOOR WIRE HARNESS 2P CONNECTOR



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



**DTC 32-1x ("x" can be 0 thru 9 or A thru F):  
Open in Front Passenger's Side Airbag  
Inflator**

**DTC 32-2x ("x" can be 0 thru 9 or A thru F):  
Increased Resistance in Front Passenger's  
Side Airbag Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

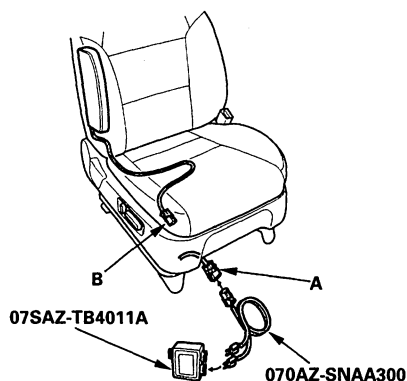
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 32-1x or 32-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the front passenger's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

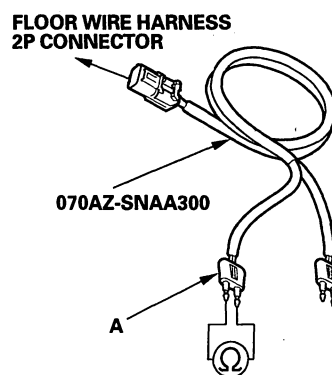
8. Read the DTC (see page 24-30).

*Is DTC 32-1x or 32-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be 1.0  $\Omega$  or less.



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 32-3x ("x" can be 0 thru 9 or A thru F): Short to Another Wire or Decreased Resistance in Front Passenger's Side Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300
- SRS short canceller 070AZ-SAA0100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

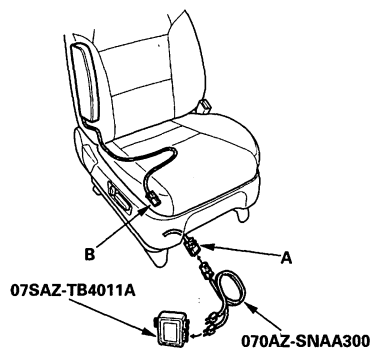
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 32-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the front passenger's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

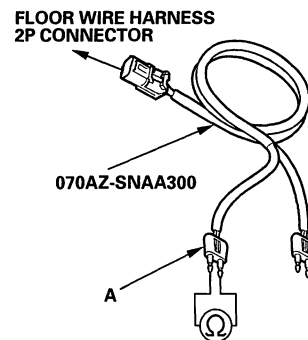
8. Read the DTC (see page 24-30).

*Is DTC 32-3x indicated?*

**YES**—Go to step 9.

**NO**—Short to another wire in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Connect the SRS short canceller (070AZ-SAA0100) to the No. 19 and No. 20 terminals of SRS unit connector B (28P) (see page 24-25).
14. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



**DTC 32-8x ("x" can be 0 thru 9 or A thru F):  
Short to Power in Front Passenger's Side  
Airbag Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

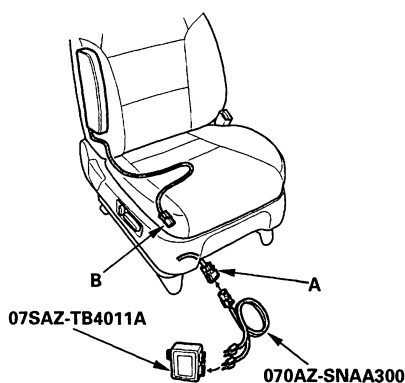
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 32-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the front passenger's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

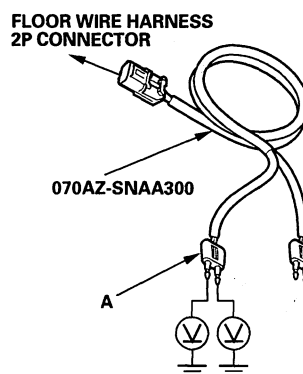
8. Read the DTC (see page 24-30).

*Is DTC 32-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be 0.5 V or less.



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 32-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Front Passenger's Side Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

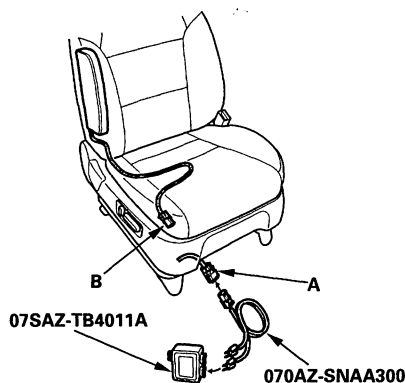
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 32-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Disconnect the floor wire harness 2P connector (A) from the front passenger's side airbag (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

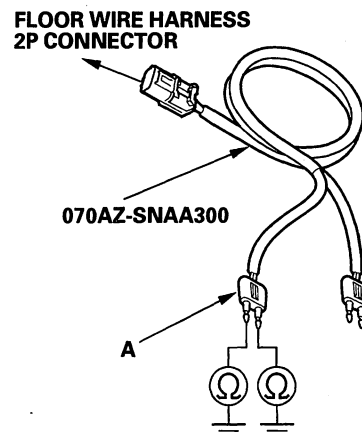
8. Read the DTC (see page 24-30).

*Is DTC 32-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-140). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



**DTC 33-1x ("x" can be 0 thru 9 or A thru F):  
Open in Left Side Curtain Airbag Inflator  
DTC 33-2x ("x" can be 0 thru 9 or A thru F):  
Increased Resistance in Left Side Curtain  
Airbag Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

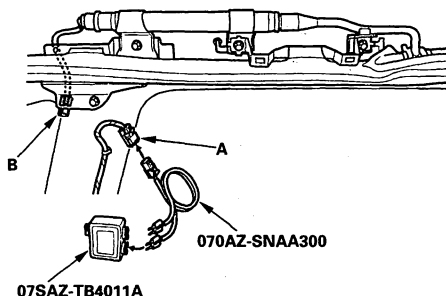
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 33-1x or 33-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the left side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the left side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

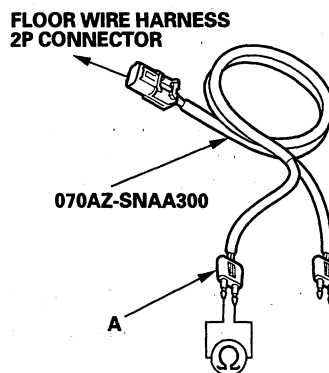
8. Read the DTC (see page 24-30).

*Is DTC 33-1x or 33-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the left side curtain airbag; replace the left side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be 1.0  $\Omega$  or less.



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at the SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 33-3x ("x" can be 0 thru 9 or A thru F): Short to Another Wire or Decreased Resistance in Left Side Curtain Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300
- SRS short canceller 070AZ-SAA0100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

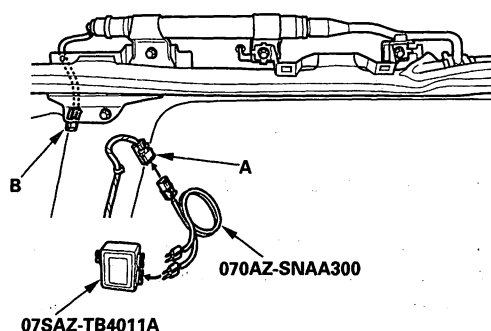
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 33-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the left side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the left side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

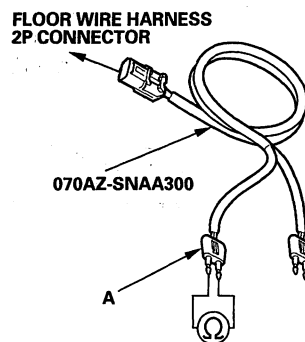
8. Read the DTC (see page 24-30).

*Is DTC 33-3x indicated?*

**YES**—Go to step 9.

**NO**—Short to another wire in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Connect the SRS short canceller (070AZ-SAA0100) to the No. 21 and No. 22 terminals of SRS unit connector B (28P) (see page 24-25).
14. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to another wire in the floor wire harness; replace the floor wire harness. ■



**DTC 33-8x ("x" can be 0 thru 9 or A thru F):  
Short to Power in Left Side Curtain Airbag  
Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

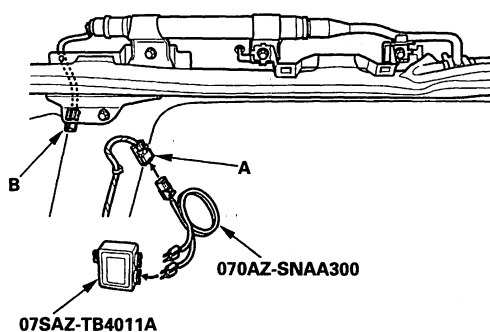
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 33-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the left side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the left side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

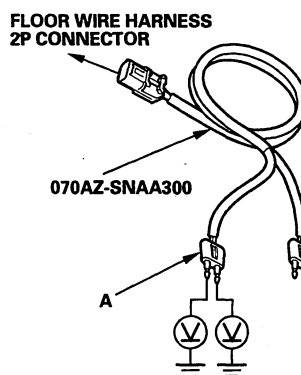
8. Read the DTC (see page 24-30).

*Is DTC 33-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect the SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the for voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be 0.5 V or less.



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 33-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Left Side Curtain Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

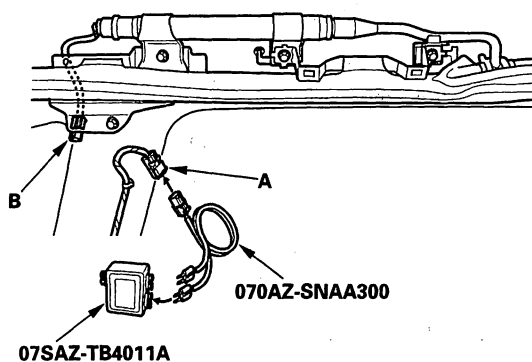
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 33-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the left side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the left side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

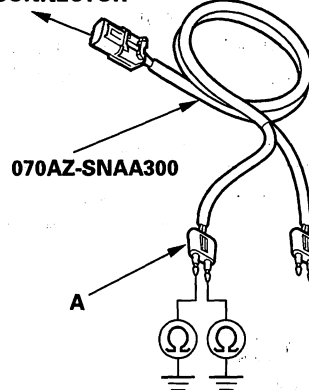
*Is DTC 33-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

#### FLOOR WIRE HARNESS 2P CONNECTOR



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



**DTC 34-1x ("x" can be 0 thru 9 or A thru F):  
Open in Right Side Curtain Airbag Inflator  
DTC 34-2x ("x" can be 0 thru 9 or A thru F):  
Increased Resistance in Right Side Curtain  
Airbag Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

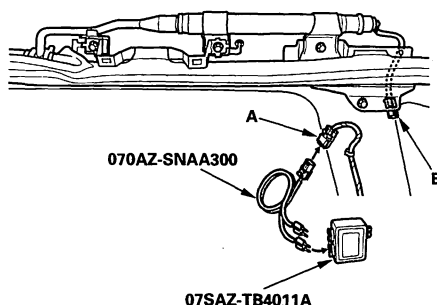
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 34-1x or 34-2x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the right side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the right side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

8. Read the DTC (see page 24-30).

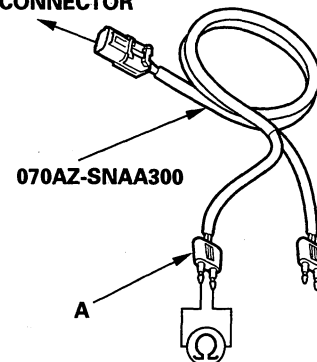
*Is DTC 34-1x or 34-2x indicated?*

**YES**—Go to step 9.

**NO**—Open or increased resistance in the right side curtain airbag inflator, replace the right side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be 1.0  $\Omega$  or less.

**FLOOR WIRE HARNESS  
2P CONNECTOR**



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Open or increased resistance in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 34-3x ("x" can be 0 thru 9 or A thru F): Short to Another Wire or Decreased Resistance in Right Side Curtain Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300
- SRS short canceller 070AZ-SAA0100

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

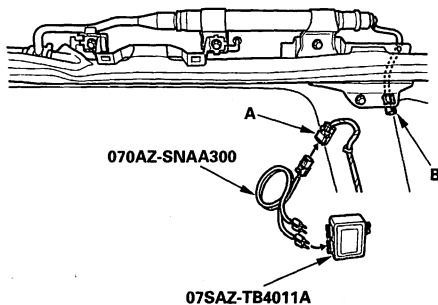
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 34-3x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the right side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the right side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

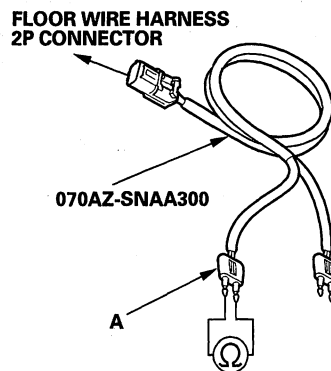
8. Read the DTC (see page 24-30).

*Is DTC 34-3x indicated?*

**YES**—Go to step 9.

**NO**—Short to another wire in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Connect the SRS short canceller (070AZ-SAA0100) to the No. 23 and No. 24 terminals of SRS unit connector B (28P) (see page 24-25).
14. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



**DTC 34-8x ("x" can be 0 thru 9 or A thru F):  
Short to Power in Right Side Curtain Airbag  
Inflator**

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

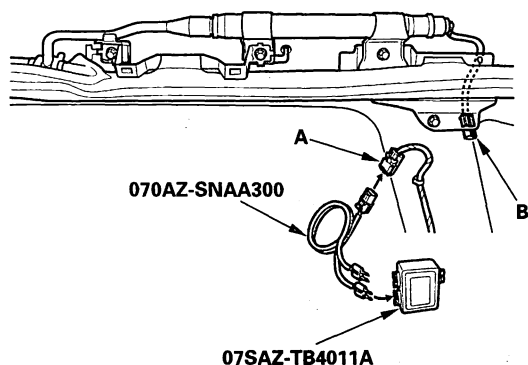
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 34-8x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the right side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the right side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

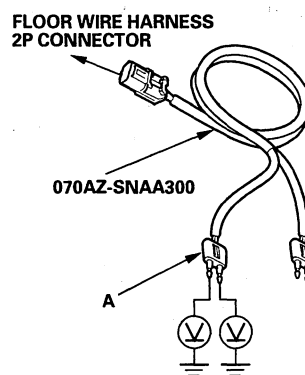
8. Read the DTC (see page 24-30).

*Is DTC 34-8x indicated?*

**YES**—Go to step 9.

**NO**—Short to power in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be 0.5 V or less.



*Is the voltage as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC 34-9x ("x" can be 0 thru 9 or A thru F): Short to Ground in Right Side Curtain Airbag Inflator

#### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

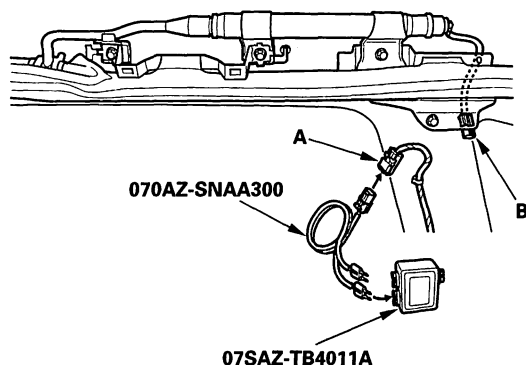
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 34-9x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Remove the right side quarter pillar trim (see page 20-85), then disconnect the floor wire harness 2P connector (A) from the right side curtain airbag connector (B).



5. Connect the SRS inflator simulator (2  $\Omega$  connectors) and simulator lead L to the floor wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.

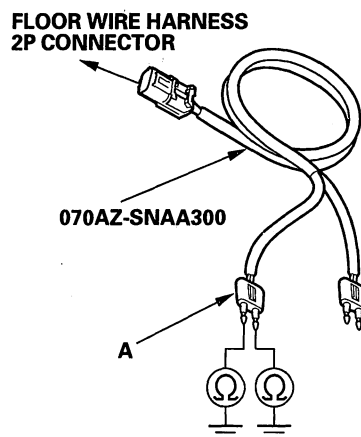
8. Read the DTC (see page 24-30).

*Is DTC 34-9x indicated?*

**YES**—Go to step 9.

**NO**—Short to ground in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-141). ■

9. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the floor wire harness 2P connector.
13. Measure the resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■



## DTC 41-1x ("x" can be 0 thru 9 or A thru F): No Signal From the Left Front Impact Sensor

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 41-1x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

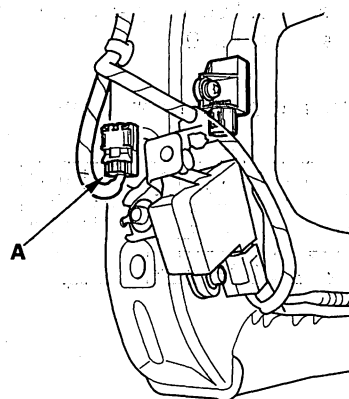
3. Turn the ignition switch OFF.
4. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Check the connections between SRS unit connector A (28P) and the SRS unit, between the left engine compartment wire harness 2P connector and the left front impact sensor (see page 24-18), and at connector C305 (see page 22-24).

*Are the connections OK?*

**YES**—Go to step 6.

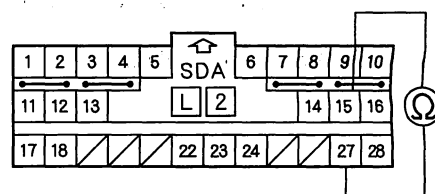
**NO**—Repair the poor connections and retest. If DTC 41-1x is still present, go to step 6.

6. Disconnect the left engine compartment wire harness 2P connector (A) from the left front impact sensor.



7. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
8. Measure the resistance between the No. 15 and No. 27 terminals of SRS unit connector A (28P). There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

*Is the resistance as specified?*

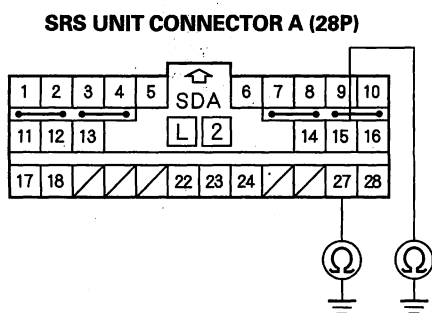
**YES**—Go to step 9.

**NO**—Short in the left engine compartment wire harness or dashboard wire harness; replace the faulty harness. ■

(cont'd)

## DTC Troubleshooting (cont'd)

9. Measure the resistance between the No. 15 terminal of SRS unit connector A (28P) and body ground, and between the No. 27 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .



Wire side of female terminals

*Is the resistance as specified?*

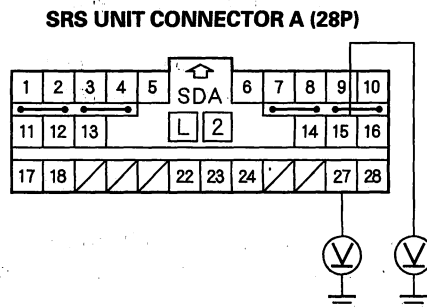
**YES**—Go to step 10.

**NO**—Short to ground in the dashboard wire harness or the left engine compartment wire harness; replace the faulty harness. ■

10. Reconnect the negative cable to the battery.

11. Turn the ignition switch ON (II).

12. Measure the voltage between the No. 15 terminal of SRS unit connector A (28P) and body ground, and between the No. 27 terminal and body ground. There should be 0.5 V or less.



Wire side of female terminals

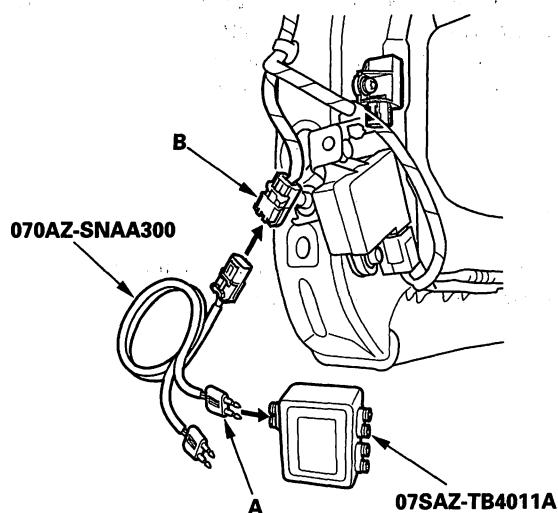
*Is the voltage as specified?*

**YES**—Go to step 13.

**NO**—Short to power in the left engine compartment wire harness or the dashboard wire harness; replace the faulty harness. ■

13. Turn the ignition switch OFF.

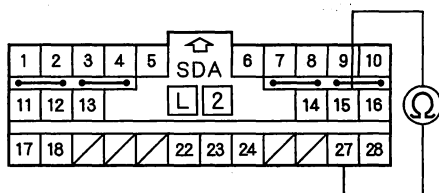
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the left engine compartment wire harness 2P connector (B).





15. Measure the resistance between the No. 15 and No. 27 terminals of SRS unit connector A (28P). There should be 0—1.0  $\Omega$ .

**SRS UNIT CONNECTOR A (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty left front impact sensor or SRS unit; replace the left front impact sensor (see page 24-159). If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Poor connection at C305, open in left engine compartment wire harness, or open in dashboard wire harness. Inspect C305 (see page 22-24). If it is OK, replace the faulty harness. ■

### **DTC 42-1x ("x" can be 0 thru 9 or A thru F): No Signal From the Right Front Impact Sensor**

#### **Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 42-1x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF.
4. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Check the connections between SRS unit connector A (28P) and the SRS unit, between the right engine compartment wire harness 2P connector and the right front impact sensor (see page 24-18), and at connector C203 (see page 22-22).

*Are the connections OK?*

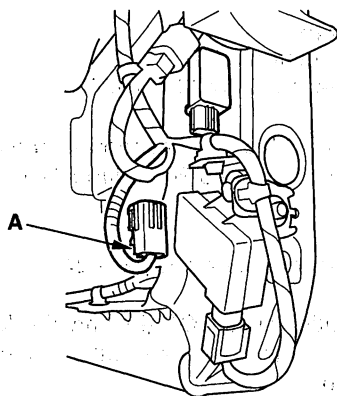
**YES**—Go to step 6.

**NO**—Repair the poor connections and retest. If DTC 42-1x is still present, go to step 6.

(cont'd)

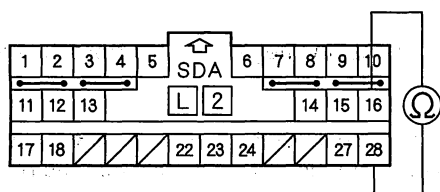
## DTC Troubleshooting (cont'd)

6. Disconnect the right engine compartment wire harness 2P connector (A) from the right front impact sensor.



7. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
8. Measure the resistance between the No. 16 and No. 28 terminals of SRS unit connector A (28P). There should be an open circuit (ohmmeter reads OL) or at least 1 MΩ.

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

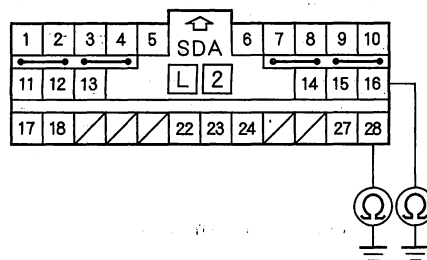
*Is the resistance as specified?*

**YES**—Go to step 9.

**NO**—Short in the right engine compartment wire harness or dashboard wire harness; replace the faulty harness. ■

9. Measure the resistance between the No. 16 terminal of SRS unit connector A (28P) and body ground, and between the No. 28 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 MΩ.

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 10.

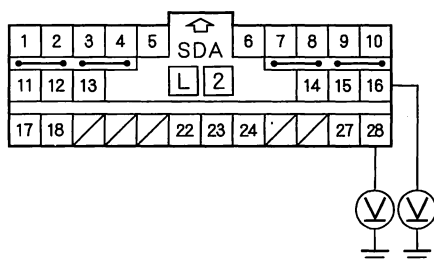
**NO**—Short to ground in the dashboard wire harness or the right engine compartment wire harness; replace the faulty harness. ■

10. Reconnect the negative cable to the battery.
11. Turn the ignition switch ON (II).



12. Measure the voltage between the No. 16 terminal of SRS unit connector A (28P) and body ground, and between the No. 28 terminal and body ground. There should be 0.5 V or less.

**SRS UNIT CONNECTOR A (28P)**



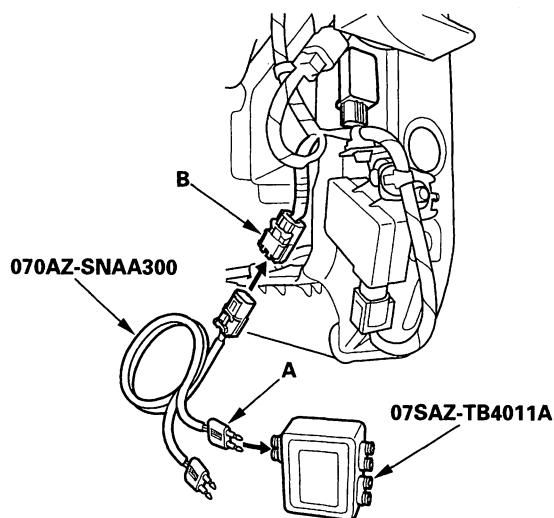
Wire side of female terminals

*Is the voltage as specified?*

**YES**—Go to step 13.

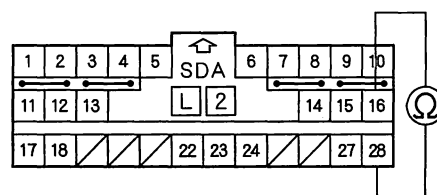
**NO**—Short to power in the right engine compartment wire harness or dashboard wire harness; replace the faulty harness. ■

13. Turn the ignition switch OFF.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the right engine compartment wire harness 2P connector (B).



15. Measure the resistance between the No. 16 and No. 28 terminals of SRS unit connector A (28P). There should be 0—1.0  $\Omega$ .

**SRS UNIT CONNECTOR A (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty right front impact sensor or SRS unit; replace the right front impact sensor (see page 24-159). If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Poor connection at C203, open in right engine compartment wire harness, or open in dashboard wire harness. Inspect C203 (see page 22-22). If it is OK, replace the faulty harness. ■

## DTC Troubleshooting (cont'd)

**DTC 41-2x, 41-8x, 41-9x, 41-Ax, 41-Bx ("x" can be 0 thru 9 or A thru F):**  
Internal Failure of the Left Front Impact Sensor

**DTC 42-2x, 42-8x, 42-9x, 42-Ax, 42-Bx ("x" can be 0 thru 9 or A thru F):**  
Internal Failure of the Right Front Impact Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 41-2x, 41-8x, 41-9x, 41-Ax, 41-Bx, 42-2x, 42-8x, 42-9x, 42-Ax, or 42-Bx indicated?*

**YES**—Replace the left or right front impact sensor (see page 24-159). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC 43-1x ("x" can be 0 thru 9 or A thru F):**  
No Signal From the Left Side Impact Sensor (first)

**DTC 45-1x ("x" can be 0 thru 9 or A thru F):**  
No Signal From the Left Side Impact Sensor (second)

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-30).

*Is DTC 45-1x (except 45-11) indicated?*

**YES**—Faulty left side impact sensor (second); replace the left side impact sensor (second) (see page 24-154). ■

**NO**—Go to step 4.

4. Read the DTC.

*Is DTC 43-1x (except 43-11) indicated?*

**YES**—Faulty left side impact sensor (first); replace the left side impact sensor (first) (see page 24-153). ■

**NO**—Go to step 5.



5. Read the DTC.

*Is DTC 43-11 indicated?*

**YES**—Go to step 6.

**NO**—Intermittent failure, the system is OK at this time.

6. Turn the ignition switch OFF.

7. Check for a damaged to the floor wire harness between SRS unit and left side impact sensor (first), left side impact sensor (first), and left side impact sensor (second).

*Is the floor wire harness OK?*

**YES**—Go to step 8.

**NO**—Replace the floor wire harness. ■

8. Disconnect the negative cable from the battery, and wait for 3 minutes.

9. Replace the left side impact sensor (first) with a known-good part (see page 24-153).

10. Erase the DTC memory (see page 24-31).

11. Turn the ignition switch ON (II), and wait for 10 seconds.

12. Read the DTC (see page 24-30).

*Is DTC 43-11 indicated?*

**YES**—Go to step 13.

**NO**—Faulty left side impact sensor (first); replace the original left side impact sensor (first) (see page 24-153). ■

13. Turn the ignition switch OFF.

14. Disconnect the negative cable from the battery, and wait for 3 minutes.

15. Replace the left side impact sensor (second) with a known-good part (see page 24-154).

16. Erase the DTC (see page 24-31).

17. Turn the ignition switch ON (II), and wait for 10 seconds.

18. Read the DTC (see page 24-30).

*Is DTC 43-11 indicated?*

**YES**—Go to step 19.

**NO**—Faulty left side impact sensor (second); replace the original left side impact sensor (second) (see page 24-154). ■

19. Turn the ignition switch OFF.

20. Disconnect the negative cable from the battery, and wait for 3 minutes.

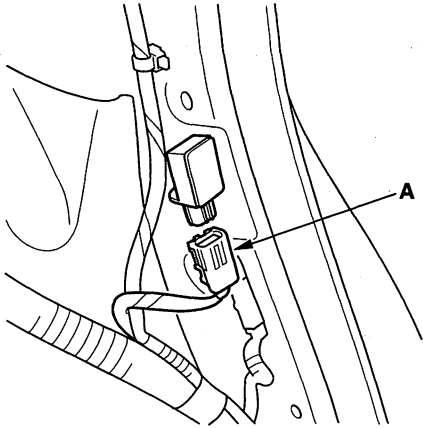
21. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).

22. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).

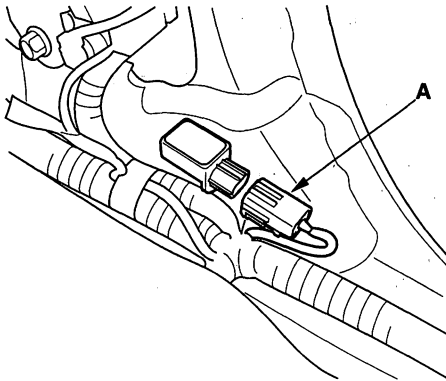
(cont'd)

## DTC Troubleshooting (cont'd)

23. Disconnect the floor wire harness 2P connector (A) from the left side impact sensor (second) (see step 4 on page 24-154).

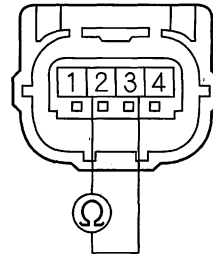


24. Disconnect the floor wire harness 4P connector (A) from the left side impact sensor (first) (see step 5 on page 24-153).



25. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

### FLOOR WIRE HARNESS 4P CONNECTOR



Terminal side of female terminals

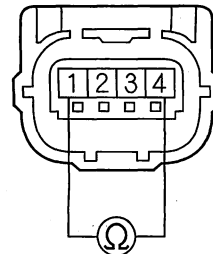
*Is the resistance as specified?*

**YES**—Go to step 26.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■

26. Measure the resistance between the No.1 and No. 4 terminal of the floor wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1M $\Omega$ .

### FLOOR WIRE HARNESS 4P CONNECTOR



Terminal side of female terminals

*Is the resistance as specified?*

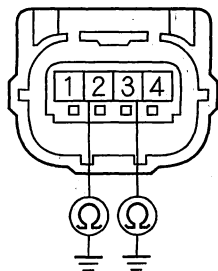
**YES**—Go to step 27.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



27. Measure the resistance between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No. 3 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

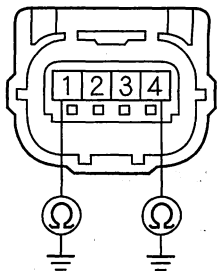
*Is the resistance as specified?*

**YES**—Go to step 28.

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

28. Measure the resistance between the No. 1 terminal of floor wire harness 4P connector and body ground, and between the No. 4 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 29.

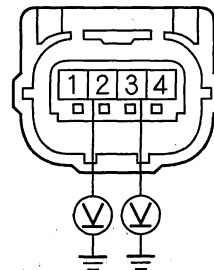
**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

29. Reconnect the negative cable to the battery.

30. Turn the ignition switch ON (II).

31. Measure the voltage between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No. 3 terminal and body ground. There should be less than 1 V.

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the voltage as specified?*

**YES**—Go to step 32.

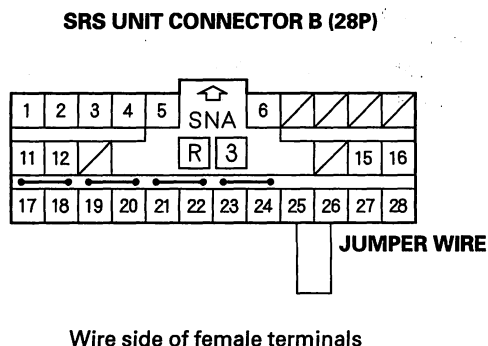
**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

32. Turn the ignition switch OFF.

(cont'd)

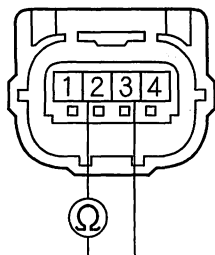
## DTC Troubleshooting (cont'd)

33. Install a jumper wire between the No. 25 terminal and No. 26 terminal of the SRS unit connector B (28P).



34. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be 0—10  $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



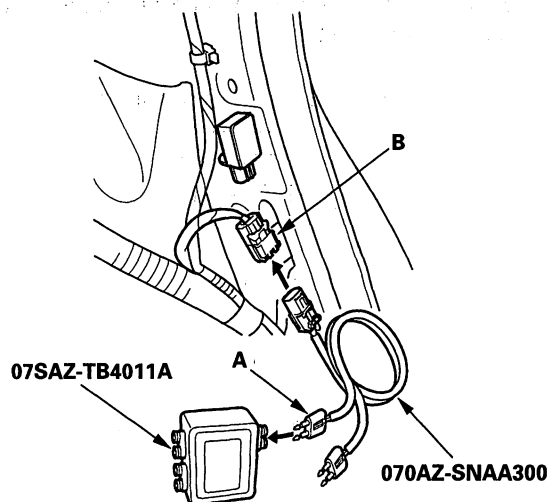
Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 35.

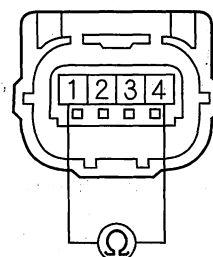
**NO**—Open in the floor wire harness; replace the floor wire harness. ■

35. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the floor wire harness 2P connector (B).



36. Measure the resistance between the No. 1 and No. 4 terminal of the floor wire harness 4P connector. There should be 0—1.0  $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Reconnect the floor wire harness 4P connector to the left side impact sensor (first) and left side impact sensor (second). If the DTCs are still indicated, replace the SRS unit (see page 24-152). ■

**NO**—Open in the floor wire harness; replace the floor wire harness. ■



**DTC 44-1x ("x" can be 0 thru 9 or A thru F):**  
No Signal From the Right Side Impact Sensor (first)

**DTC 46-1x ("x" can be 0 thru 9 or A thru F):**  
No Signal From the Right Side Impact Sensor (second)

**Special Tools Required**

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-30).

*Is DTC 46-1x (except 46-11) indicated?*

**YES**—Faulty right side impact sensor (second); replace the right side impact sensor (second) (see page 24-154). ■

**NO**—Go to step 4.

4. Read the DTC.

*Is DTC 44-1x (except 44-11) indicated?*

**YES**—Faulty right side impact sensor (first); replace the right side impact sensor (first) (see page 24-153). ■

**NO**—Go to step 5.

5. Read the DTC.

*Is DTC 44-11 indicated?*

**YES**—Go to step 6.

**NO**—Intermittent failure, the system is OK at this time.

6. Turn the ignition switch OFF.
7. Check for damage to the floor wire harness between the SRS unit and right side impact sensor (first), right side impact sensor (first), and right side impact sensor (second).

*Is the floor wire harness OK?*

**YES**—Go to step 8.

**NO**—Replace the floor wire harness. ■

8. Disconnect the negative cable from the battery, and wait for 3 minutes.
9. Replace the right side impact sensor (first) with a known-good part (see page 24-153).
10. Erase the DTC memory (see page 24-31).
11. Turn the ignition switch ON (II), and wait for 10 seconds.
12. Read the DTC (see page 24-30).

*Is DTC 44-11 indicated?*

**YES**—Go to step 13.

**NO**—Faulty right side impact sensor (first); replace the original right side impact sensor (first) (see page 24-153). ■

(cont'd)

## DTC Troubleshooting (cont'd)

13. Turn the ignition switch OFF.
14. Disconnect the negative cable from the battery, and wait for 3 minutes.
15. Replace the right side impact sensor (second) with a known-good part (see page 24-154).
16. Erase the DTC memory (see page 24-31).
17. Turn the ignition switch ON (II), and wait for 10 seconds.
18. Read the DTC (see page 24-30).

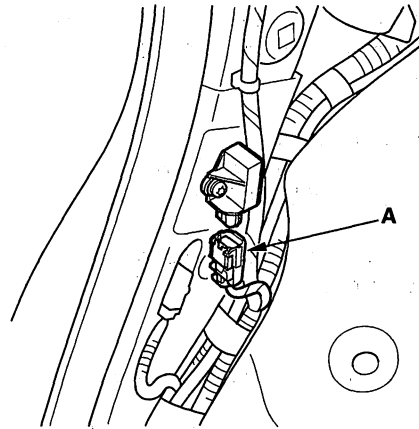
*Is DTC 44-11 indicated?*

**YES**—Go to step 19.

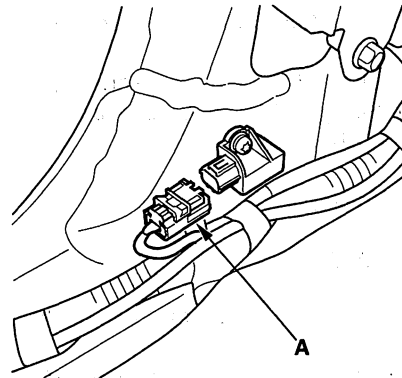
**NO**—Faulty right side impact sensor (second); replace the original right side impact sensor (second) (see page 24-154). ■

19. Turn the ignition switch OFF.
20. Disconnect the negative cable from the battery, and wait for 3 minutes.
21. Disconnect both seat belt tensioner 4P connectors (see step 7 on page 24-29).
22. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).

23. Disconnect the floor wire harness 2P connector (A) from the right side impact sensor (second) (see step 4 on page 24-154).



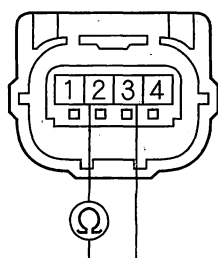
24. Disconnect the floor wire harness 4P connector (A) from the right side impact sensor (first) (see step 5 on page 24-153).





25. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

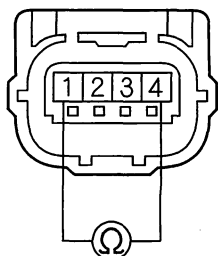
*Is the resistance as specified?*

**YES**—Go to step 26.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■

26. Measure the resistance between the No.1 and No. 4 terminal of the right side wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

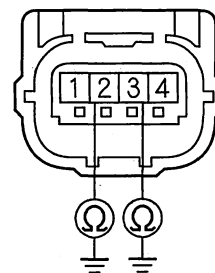
*Is the resistance as specified?*

**YES**—Go to step 27.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■

27. Measure the resistance between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No. 3 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

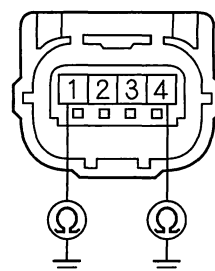
*Is the resistance as specified?*

**YES**—Go to step 28.

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

28. Measure the resistance between the No. 1 terminal of floor wire harness 4P connector and body ground, and between the No. 4 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 29.

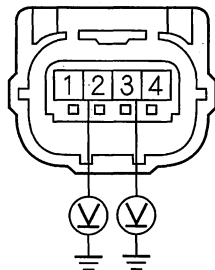
**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

(cont'd)

## DTC Troubleshooting (cont'd)

29. Reconnect the negative cable to the battery.
30. Turn the ignition switch ON (II).
31. Measure the voltage between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No. 3 terminal and body ground. There should be less than 0.5 V.

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the voltage as specified?*

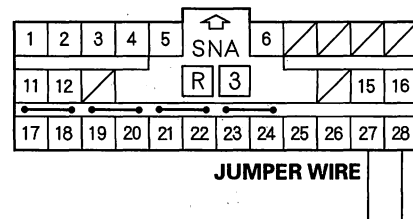
**YES**—Go to step 32.

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

32. Turn the ignition switch OFF.

33. Install a jumper wire between the No. 27 terminal and No. 28 terminal of the SRS unit connector B (28P).

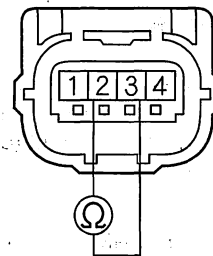
**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

34. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be 0—1.0  $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

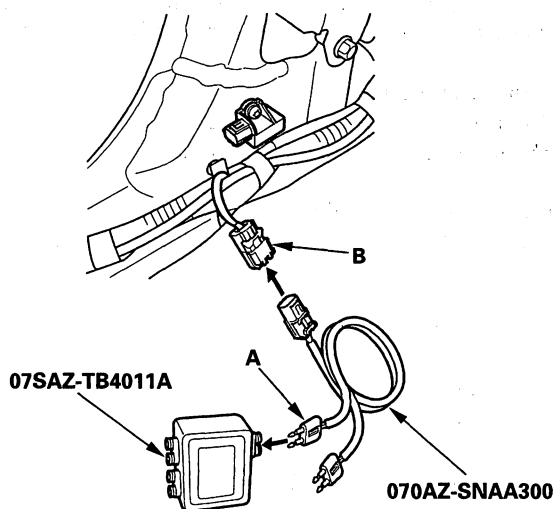
*Is the resistance as specified?*

**YES**—Go to step 35.

**NO**—Open in the floor wire harness; replace the floor wire harness. ■

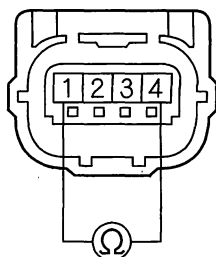


35. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the floor wire harness 2P connector (B).



36. Measure the resistance between the No. 1 and No. 4 terminal of the floor wire harness 4P connector. There should be 0—1.0  $\Omega$ .

#### FLOOR WIRE HARNESS 4P CONNECTOR



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Reconnect the floor wire harness 4P connector to the right side impact sensor (first) and right side impact sensor (second). If the DTCs are still indicated, replace the SRS unit (see page 24-152). ■

**NO**—Open in the floor wire harness; replace the floor wire harness. ■

**DTC 43-2x, 43-8x, 43-9x, 43-Ax, 43-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Left Side Impact Sensor (first)**

**DTC 44-2x, 44-8x, 44-9x, 44-Ax, 44-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Right Side Impact Sensor (first)**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 43-2x, 43-8x, 43-9x, 43-Ax, 43-Bx, 44-2x, 44-8x, 44-9x, 44-Ax, 44-Bx indicated?*

**YES**—Replace the left or right side impact sensor (first) (see page 24-153). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

## DTC Troubleshooting (cont'd)

**DTC 45-2x, 45-8x, 45-9x, 45-Ax, 45-Bx ("x" can be 0 thru 9 or A thru F):** Internal Failure of the Left Side Impact Sensor (second)

**DTC 46-2x, 46-8x, 46-9x, 46-Ax, 46-Bx ("x" can be 0 thru 9 or A thru F):** Internal Failure of the Right Side Impact Sensor (second)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 45-2x, 45-8x, 45-9x, 45-Ax, 45-Bx, 46-2x, 46-8x, 46-9x, 46-Ax, 46-Bx indicated?*

**YES**—Replace the left or right side impact sensor (second) (see page 24-154). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC B1-1x ("x" can be 0 thru 9 or A thru F):** No Signal From the Roll Rate Sensor

**DTC B2-1x ("x" can be 0 thru 9 or A thru F):** No Signal From the Satellite Safing Sensor

### Special Tools Required

- SRS inflator simulator 07SAZ-TB4011A
- SRS simulator lead L 070AZ-SNAA300

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-30).

*Is DTC B1-1x (except B1-11) indicated?*

**YES**—Faulty roll rate sensor; replace the roll rate sensor (see page 24-155). ■

**NO**—Go to step 4.

4. Read the DTC.

*Is DTC B2-1x (except B2-11) indicated?*

**YES**—Faulty satellite safing sensor; replace the satellite safing sensor (see page 24-156). ■

**NO**—Go to step 5.



5. Read the DTC.

*Is DTC B2-11 indicated?*

**YES**—Go to step 6.

**NO**—Intermittent failure, the system is OK at this time.

6. Turn the ignition switch OFF.

7. Check for damage to the floor wire harness between the SRS unit and satellite safing sensor, satellite safing sensor, and roll rate sensor.

*Is the floor harness OK?*

**YES**—Go to step 8.

**NO**—Replace the floor wire harness. ■

8. Disconnect the negative cable from the battery, and wait for 3 minutes.

9. Replace the satellite safing sensor with a known-good part (see page 24-156).

10. Erase the DTC memory (see page 24-31).

11. Turn the ignition switch ON (II), and wait for 10 seconds.

12. Read the DTC (see page 24-30).

*Is DTC B2-11 indicated?*

**YES**—Go to step 13.

**NO**—Faulty satellite safing sensor; replace the original satellite safing sensor (see page 24-156). ■

13. Turn the ignition switch OFF.

14. Disconnect the negative cable from the battery, and wait for 3 minutes.

15. Replace the roll rate sensor with a known-good part (see page 24-155).

16. Erase the DTC memory (see page 24-31).

17. Turn the ignition switch ON (II), and wait for 10 seconds.

18. Read the DTC (see page 24-30).

*Is DTC B2-11 indicated?*

**YES**—Go to step 19.

**NO**—Faulty roll rate sensor; replace the original roll rate sensor (see page 24-155). ■

19. Turn the ignition switch OFF.

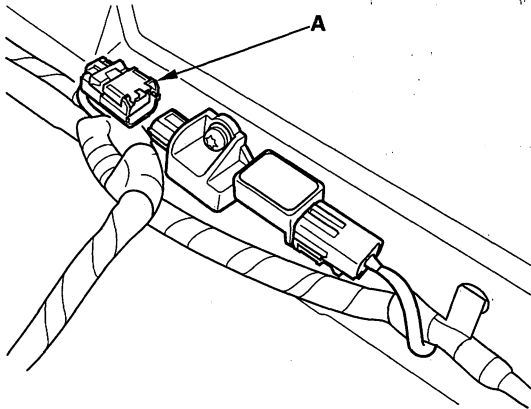
20. Disconnect the negative cable from the battery, and wait for 3 minutes.

21. Disconnect SRS unit connector C (16P) from the SRS unit (see step 8 on page 24-30).

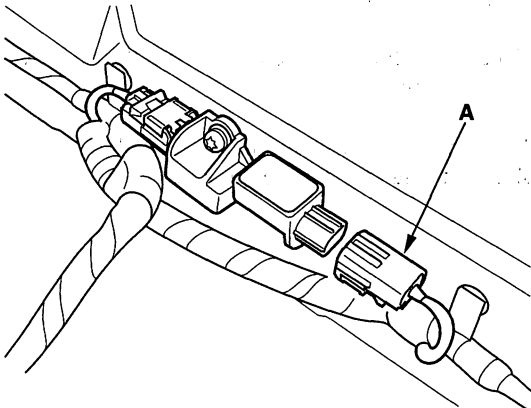
(cont'd)

## DTC Troubleshooting (cont'd)

22. Disconnect the floor wire harness 2P connector (A) from the roll rate sensor (see step 4 on page 24-155).

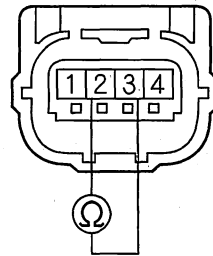


23. Disconnect the floor wire harness 4P connector (A) from the satellite safing sensor (see step 4 on page 24-156).



24. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

### FLOOR WIRE HARNESS 4P CONNECTOR



Terminal side of female terminals

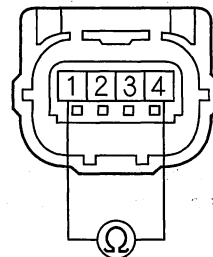
*Is the resistance as specified?*

**YES**—Go to step 26.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■

25. Measure the resistance between the No.1 and No. 4 terminal of the right side wire harness 4P connector. There should be an open circuit (ohmmeter reads OL) or at least 1M $\Omega$ .

### FLOOR WIRE HARNESS 4P CONNECTOR



Terminal side of female terminals

*Is the resistance as specified?*

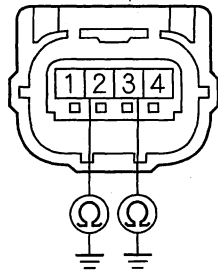
**YES**—Go to step 27.

**NO**—Short in the floor wire harness; replace the floor wire harness. ■



26. Measure the resistance between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No. 3 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

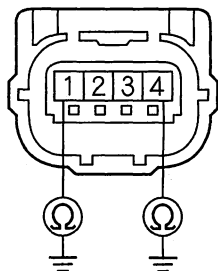
*Is the resistance as specified?*

**YES**—Go to step 28.

**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

27. Measure the resistance between the No. 1 terminal of floor wire harness 4P connector and body ground, and between the No. 4 terminal and body ground. There should be an open circuit (ohmmeter reads OL) or at least 1 M $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 29.

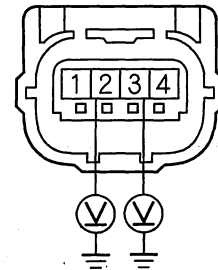
**NO**—Short to ground in the floor wire harness; replace the floor wire harness. ■

28. Reconnect the negative cable to the battery.

29. Turn the ignition switch ON (II).

30. Measure the voltage between the No. 2 terminal of floor wire harness 4P connector and body ground, and between the No.3 terminal and body ground. There should be less than 1 V.

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the voltage as specified?*

**YES**—Go to step 32.

**NO**—Short to power in the floor wire harness; replace the floor wire harness. ■

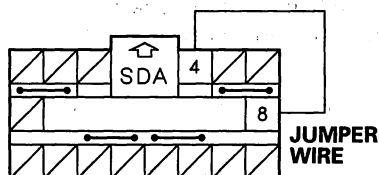
31. Turn the ignition switch OFF.

(cont'd)

## DTC Troubleshooting (cont'd)

32. Install a jumper wire between the No. 27 terminal and No. 28 terminal of the SRS unit connector C (16P).

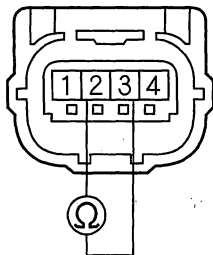
**SRS UNIT CONNECTOR C (16P)**



Wire side of female terminals

33. Measure the resistance between the No. 2 and No. 3 terminal of the floor wire harness 4P connector. There should be 0—1.0  $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



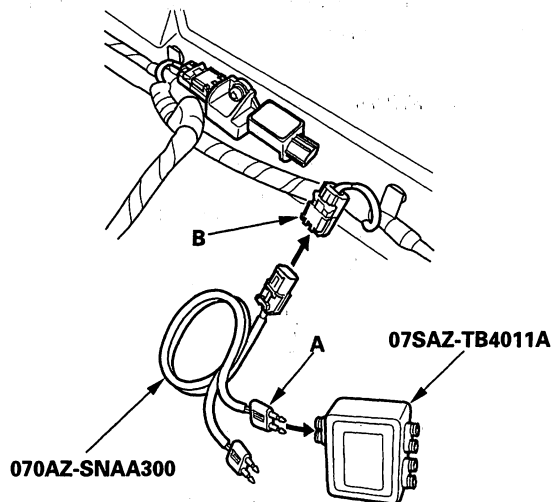
Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 35.

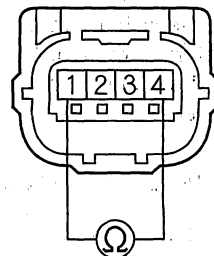
**NO**—Open in the floor wire harness; replace the floor wire harness. ■

34. Connect the SRS inflator simulator (jumper connector) and the brack lead (A) of simulator lead L to the floor wire harness 2P connector (B).



35. Measure the resistance between the No. 1 and No. 4 terminal of the floor wire harness 4P connector. There should be 0—1.0  $\Omega$ .

**FLOOR WIRE HARNESS 4P CONNECTOR**



Terminal side of female terminals

*Is the resistance as specified?*

**YES**—Reconnect the floor wire harness 4P connector to the satellite safing sensor and roll rate sensor. If the DTCs are still indicated, replace the SRS unit (see page 24-152). ■

**NO**—Open in the floor wire harness; replace the floor wire harness. ■



**DTC B1-2x, B1-8x, B1-9x, B1-Ax, B1-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Roll Rate Sensor**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC B1-2x, B1-8x, B1-9x, B1-Ax, or B1-Bx indicated?*

**YES**—Replace the roll rate sensor (see page 24-155). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC B2-2x, B2-8x, B2-9x, B2-Ax, B2-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Satellite Safing Sensor**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC B2-2x, B2-8x, B2-9x, B2-Ax, or B2-Bx indicated?*

**YES**—Replace the satellite safing sensor (see page 24-156). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

## DTC Troubleshooting (cont'd)

**DTC 51-xx, 52-xx, 53-xx, 54-xx, 55-xx, 57-xx**  
("x" can be 0 thru 9 or A thru F): Internal  
Failure of the SRS Unit

**NOTE:**

- Before troubleshooting any of these DTCs, check the battery/system voltage and battery cable connections. If the voltage is low, repair the charging system or replace the battery before troubleshooting the SRS. If the battery/system voltage is now OK, ask the client if the battery ever went dead or if the engine was started and run with the battery in a low state of charge. A dead battery may trigger one or more of these DTCs.
- **NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 51-xx, 52-xx, 53-xx, 54-xx, 55-xx, or 57-xx indicated?*

**YES**—Replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC E2-11, E4-11, F1-11, F2-11, F3-11, F4-11:**  
Airbags, Side Airbags, Side Curtain Airbags  
and/or Seat Belt Tensioners

The SRS unit must be replaced after any airbags and/or tensioners have deployed (see page 24-134). ■

**NOTE:**

- DTC E2-11 is set if the system triggered airbag deployment but the front passenger's airbag was prevented from deploying because of the seat weight sensor.
- DTC E4-11 is set if the system triggered a passenger's side airbag deployment but the airbag was prevented from deploying by the ODS. Replace the right side impact sensor (first) (see page 24-153).
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).



### DTC 61-1x ("x" can be 0 thru 9 or A thru F): Open in Driver's Seat Belt Buckle Switch

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

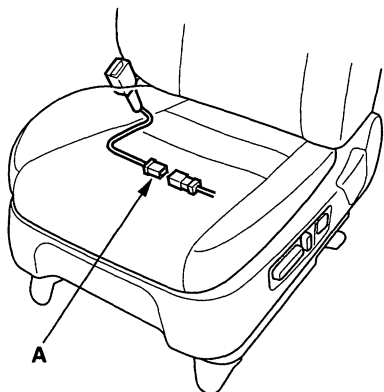
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), then buckle and unbuckle the driver's seat belt several times.
3. Read the DTC (see page 24-30).

*Is DTC 61-1x indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Disconnect the driver's seat harness 3P connector from the driver's seat belt buckle switch 3P connector (A).

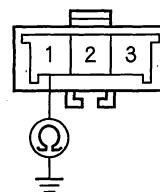


5. From the system selection menu on the HDS, select SRS, then select SRS again, then select PARAMETER INFORMATION, then Buckle Switch. Seat Position Sensor, and check the status on the HDS screen for FRONT LEFT SEAT BELT BUCKLE SWITCH when the seat belt is buckled, and unbuckled.

- If UNBUCKLE, BUCKLE, or SHORT is indicated replace the driver's seat wire harness, or floor wire harness; replace the faulty harness.
- If OPEN is indicated, go to step 6.

6. Measure the resistance between the No. 1 terminal of the driver's seat wire harness 3P connector and body ground. There should be 0—1  $\Omega$ .

#### DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 7.

**NO**—Open in the driver's seat wire harness or floor wire harness or poor ground connection at G602 (see page 22-34). If G602 is OK, replace the faulty harness. ■

7. Alternately connect the No. 2 and No. 3 terminals of the driver's seat wire harness 3P connector to body ground with a jumper wire, and check the status on the HDS screen.

*Does the status alternate from UNBUCKLE to BUCKLE?*

**YES**—Replace the driver's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

**NO**—Open in the driver's seat wire harness or floor wire harness; replace the faulty harness. ■

## DTC Troubleshooting (cont'd)

### DTC 61-2x ("x" can be 0 thru 9 or A thru F): Short in Driver's Seat Belt Buckle Switch

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

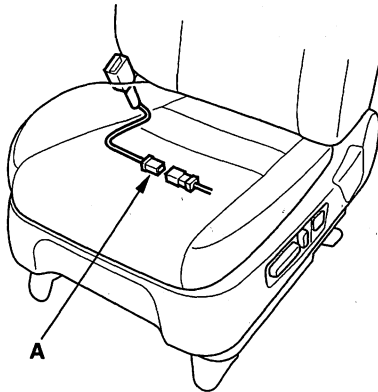
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), then buckle and unbuckle the driver's seat belt several times.
3. Read the DTC (see page 24-30).

*Is DTC 61-2x indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Turn the ignition switch OFF.
5. Disconnect the driver's seat wire harness 3P connector from the driver's seat belt buckle switch 3P connector (A).



6. Turn the ignition switch ON (II).

7. From the system selection menu on the HDS, select SRS, then select SRS again, then select PARAMETER INFORMATION, then Buckle Switch, Seat Position Sensor, and Check the status on the HDS screen for FRONT LEFT SEAT BELT BUCKLE SWITCH.

*Is OPEN indicated on the HDS?*

**YES**—Replace the driver's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

**NO**—Short to ground in the driver's seat wire harness or floor wire harness; replace the faulty wire harness. ■



### DTC 62-1x ("x" can be 0 thru 9 or A thru F): Open in Front Passenger's Seat Belt Buckle Switch

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

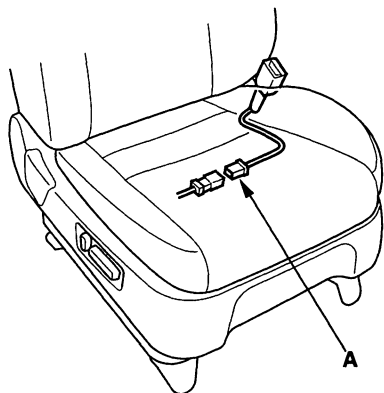
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), then buckle and unbuckle the driver's seat belt several times.
3. Read the DTC (see page 24-30).

*Is DTC 62-1x indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Disconnect the front passenger's seat wire harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).

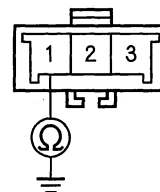


5. From the system selection menu on the HDS, select SRS, then select SRS again, then select PARAMETER INFORMATION, then Buckle Switch. Seat Position Sensor, and check the status on the HDS screen for FRONT RIGHT SEAT BELT BUCKLE SWITCH when the seat belt is buckled, and unbuckled.

- If UNBUCKLE, BUCKLE, or SHORT is indicated open in the front passenger's seat wire harness, or floor wire harness; replace the faulty harness.
- If OPEN is indicated, go to step 6.

6. Measure the resistance between the No. 1 terminal of the front passenger's seat wire harness 3P connector and body ground. There should be 0—1  $\Omega$ .

#### FRONT PASSENGER'S SEAT WIRE HARNESS 3P CONNECTOR



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Go to step 7.

**NO**—Open in the front passenger's seat wire harness or floor wire harness or poor ground connection at G602 (see page 22-34). If G602 is OK, replace the faulty harness. ■

7. Alternately connect the No. 2 and No. 3 terminals of the front passenger's seat wire harness 3P connector to body ground with a jumper wire, and check the status on the HDS screen.

*Does the status alternate from UNBUCKLE to BUCKLE?*

**YES**—Replace the front passenger's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

**NO**—Open in the front passenger's seat wire harness or floor wire harness; replace the faulty harness. ■

## DTC Troubleshooting (cont'd)

### DTC 62-2x ("x" can be 0 thru 9 or A thru F): Short in Front Passenger's Seat Belt Buckle Switch

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

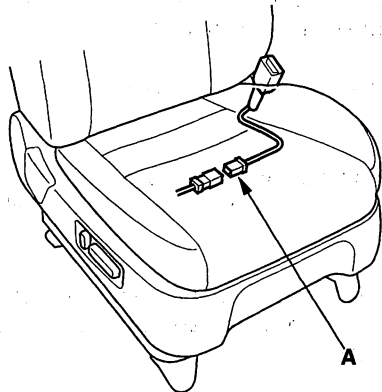
1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), then buckle and unbuckle the front passenger's seat belt several times.
3. Read the DTC (see page 24-30).

*Is DTC 62-2x indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Turn the ignition switch OFF.
5. Disconnect the front passenger's seat wire harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).



6. Turn the ignition switch ON (II).

7. From the system selection menu on the HDS, select SRS, then select SRS again, then select PARAMETER INFORMATION, then Buckle Switch, Seat Position Sensor, and check the status on the HDS screen for FRONT RIGHT SEAT BELT BUCKLE SWITCH.

*Is OPEN indicated on the HDS?*

**YES**—Replace the front passenger's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

**NO**—Short to ground in the front passenger's seat wire harness or floor wire harness; replace the faulty harness. ■



**DTC 71-1x ("x" can be 0 thru 9 or A thru F):  
Open in Driver's Seat Position Sensor**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 71-1x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Check the connection between the driver's seat wire harness 2P connector and the driver's seat position sensor (see page 24-18).
4. Erase the DTC memory.
5. Read the DTC (see page 24-30).

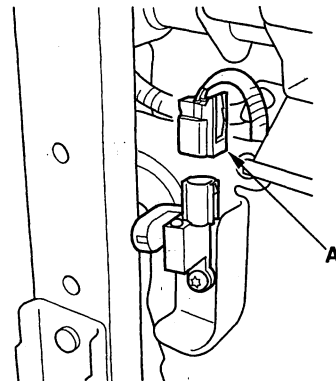
*Is DTC 71-1x indicated?*

**YES**—Go to step 6.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

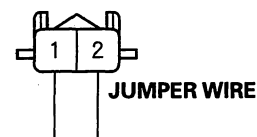
6. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

7. Disconnect the driver's seat wire harness 2P connector from the driver's seat position sensor (A).



8. Connect the No. 1 and No. 2 terminals of the driver's seat wire harness 2P connector with a jumper wire.

**DRIVER'S SEAT WIRE HARNESS 2P CONNECTOR**



Wire side of female terminals

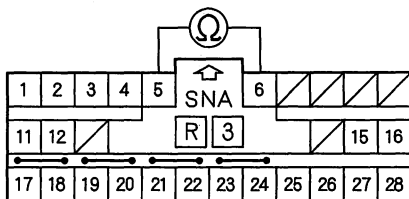
9. Disconnect both seat belt tensioner connectors (see step 7 on page 24-29).

(cont'd)

## DTC Troubleshooting (cont'd)

10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).
11. Measure the resistance between the No. 5 and No. 6 terminals of SRS unit connector B (28P). There should be 0—1.0  $\Omega$ .

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty driver's seat position sensor or SRS unit; replace the driver's seat position sensor (see page 24-160). If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Open in the floor wire harness or the driver's seat wire harness; replace the faulty harness. ■

**DTC 71-2x ("x" can be 0 thru 9 or A thru F): Short in Driver's Seat Position Sensor**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 71-2x indicated?*

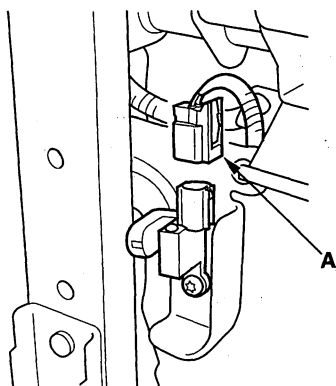
**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.



4. Disconnect the driver's seat wire harness 2P connector from the driver's seat position sensor (A) (see page 24-18).



5. Reconnect the negative cable to the battery.
6. Erase the DTC memory.
7. Read the DTC (see page 24-30).

*Is DTC 71-2x indicated?*

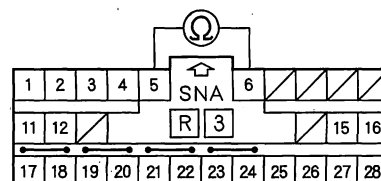
**YES**—Go to step 8.

**NO**—Faulty driver's seat position sensor; replace the driver's seat position sensor (see page 24-160). ■

8. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
9. Disconnect both seat belt tensioner connectors (see step 7 on page 24-29).
10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 8 on page 24-29).

11. Measure the resistance between the No. 5 and No. 6 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

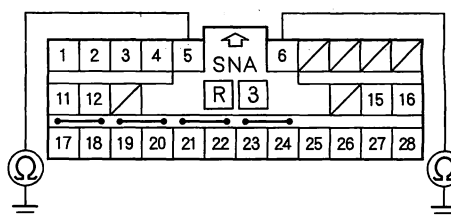
*Is the resistance as specified?*

**YES**—Go to step 12.

**NO**—Short in the floor wire harness or the driver's seat wire harness; replace the faulty harness. ■

12. Measure the resistance between the No. 5 terminal of SRS unit connector B (28P) and body ground, and between the No. 6 terminal and body ground. There should be an open circuit or at least 1 M $\Omega$ .

**SRS UNIT CONNECTOR B (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Faulty driver's seat position sensor or the SRS unit; replace the driver's seat position sensor (see page 24-160). If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Short in the floor wire harness or the driver's seat wire harness; replace the faulty harness. ■

## DTC Troubleshooting (cont'd)

### DTC 81-61, 85-61: No Signal From ODS Unit

### DTC 81-62, 85-62: Non-Stipulated Response Data

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Make sure nothing is on the front passenger's seat.
2. Erase the DTC memory (see page 24-31).
3. Read the DTC (see page 24-30).

*Is DTC 81-61, 85-61, 81-62, or 85-62 indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Check the connection between the ODS unit harness 18P connector and the ODS unit.

*Is the connection OK?*

**YES**—Go to step 6.

**NO**—Repair the poor connection and retest. If DTC 85-61 or 85-62 is still present, go to step 5.

5. Turn the ignition switch OFF.

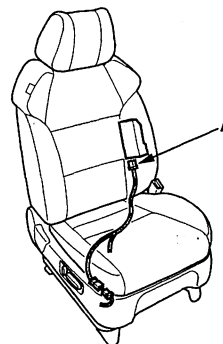
6. Check the No. 20 (7.5 A) fuse in the under-dash fuse /relay box.

*Is the fuse OK?*

**YES**—Go to step 7.

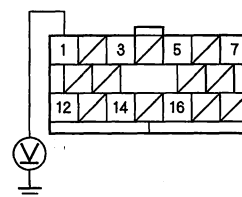
**NO**—Replace the fuse, then turn the ignition switch ON (II). If the fuse blows again, check for a short in the No. 20 (7.5 A) fuse circuit (floor wire harness, or ODS unit harness). ■

7. Disconnect the ODS unit harness 18P connector (A) from the ODS unit.



8. Turn the ignition switch ON (II).
9. Measure the voltage between the No. 1 terminal of the ODS unit harness 18P connector and body ground. There should be battery voltage.

ODS UNIT HARNESS 18P CONNECTOR



Wire side of female terminals

*Is there battery voltage?*

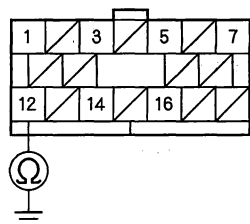
**YES**—Go to step 10.

**NO**—Open in the floor wire harness, or ODS unit harness; replace the faulty harness. ■



10. Turn the ignition switch OFF.
11. Measure the resistance between the No. 12 terminal of the ODS unit harness 18P connector and body ground. There should be 0—1.0  $\Omega$ .

#### ODS UNIT HARNESS 18P CONNECTOR



Wire side of female terminals

*Is the resistance as specified?*

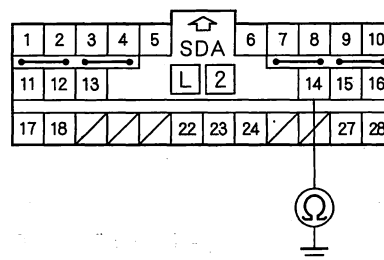
**YES**—Go to step 12.

**NO**—Open in the ODS unit harness, floor wire harness, or poor ground connection at G605 (see page 22-38). If G605 is OK, replace the faulty harness. ■

12. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
13. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).

14. Measure the resistance between the No. 14 terminal of SRS unit connector A (28P) and body ground. There should be an open circuit or at least 1 M $\Omega$ .

#### SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

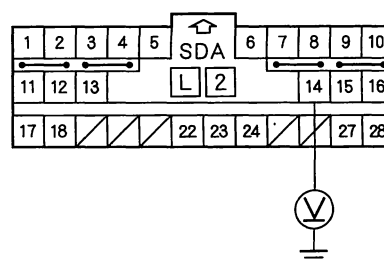
*Is the resistance as specified?*

**YES**—Go to step 15.

**NO**—Short to ground in the dashboard wire harness or floor wire harness; replace the faulty harness. ■

15. Turn the ignition switch ON (II), and measure the voltage between the No. 14 terminal of SRS unit connector A (28P) and body ground. There should be 0.5 V or less.

#### SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

*Is the voltage as specified?*

**YES**—Go to step 16.

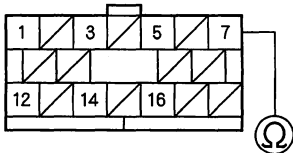
**NO**—Short to power in the dashboard wire harness or floor wire harness; replace the faulty harness. ■

(cont'd)

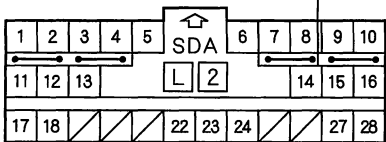
DTC Troubleshooting (cont'd)

16. Measure the resistance between the No. 14 terminal of SRS unit connector A (28P) and the No. 7 terminal of the ODS unit harness 18P connector. There should be 0—1.0  $\Omega$ .

ODS UNIT HARNESS 18P CONNECTOR



SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

Is the resistance as specified?

**YES**—Faulty ODS unit or SRS unit; replace the ODS unit (see page 24-158). If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Open in the dashboard wire harness or floor wire harness; replace the faulty harness. ■

DTC 81-71, 81-78: ODS Unit does not Calibrate

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is 81-71 or 81-78 indicated?

**YES**—Calibrate the ODS unit (see page 24-34). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.



### **DTC 85-71, 85-78: ODS Unit does not Initialize**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is 85-71 or 85-78 indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Initialize the ODS unit (see page 24-33).
4. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator go off?*

**YES**—The system is OK. ■

**NO**—Replace the ODS unit (see page 24-158). ■

### **DTC 81-4x ("x" can be 0 thru 9 or A thru F), 81-63, 81-64: Internal Failure of the ODS Unit**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 81-4x, 81-63, or 81-64 indicated?*

**YES**—Replace the ODS unit (see page 24-158). If the DTC returns, replace the SRS unit (see page 24-152). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC Troubleshooting (cont'd)****DTC 81-79: Front Passenger's Weight Sensors Drift Check Failure**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 81-79 indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Turn the ignition switch OFF.
4. Make sure nothing is on the front passenger's seat.
5. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator go off?*

**YES**—The system is OK. ■

**NO**—Remove the front passenger's seat assembly (see page 20-141) and the front passenger's weight sensors (see page 24-157), then reinstall them. Calibrate the ODS unit (see page 24-34). Retry the troubleshooting. If DTC 81-79 is still present, replace the front passenger's weight sensors. ■

**DTC 82-1x ("x" can be 0 thru 9 or A thru F): No Signal From the Inner Side Front Passenger's Weight Sensor**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 82-1x indicated?*

**YES**—Replace the inner side front passenger's weight sensor (see page 24-157). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.



**DTC 83-2x ("x" can be 0 thru 9 or A thru F):  
No Signal From the Outer Side Front  
Passenger's Weight Sensor**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 83-2x indicated?*

**YES**—Replace the outer side front passenger's weight sensor (see page 24-157). ■

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

**DTC 85-4x ("x" can be 0 thru 9 or A thru F),  
85-63, 85-64: Internal Failure of the ODS Unit**

**NOTE:**

- An incorrect ODS unit can cause DTC 85-63.
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 85-4x, 85-5x, 85-63, or 85-64 indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Initialize the ODS unit (see page 24-33).
4. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator go off?*

**YES**—The system is OK. ■

**NO**—Replace the ODS unit (see page 24-158) and retest. ■

## DTC Troubleshooting (cont'd)

### DTC 85-79: OPDS Sensor Drift Check Failure

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 85-79 indicated?*

**YES**—Turn the ignition switch OFF, and go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Make sure nothing is on the front passenger's seat.
4. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator go off?*

**YES**—The system is OK. ■

**NO**—Go to step 5.

5. Initialize the ODS unit (see page 24-33).
6. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator go off?*

**YES**—The system is OK. ■

**NO**—Replace the ODS unit (see page 24-158) and retest. If the problem is still present, replace the OPDS sensor/seat-back (see page 20-150). ■

### DTC 86-1x ("x" can be 0 thru 9 or A thru F) Faulty OPDS Seat-Back Sensor

### DTC 86-2x ("x" can be 0 thru 9 or A thru F): Faulty OPDS Seat Support Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (III), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 86-1x or 86-2x indicated?*

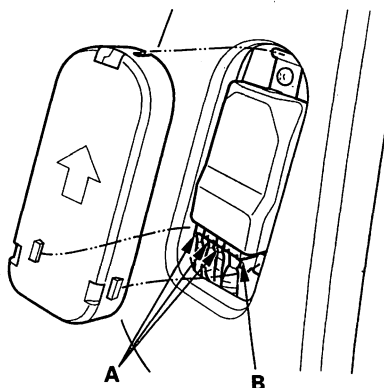
**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

NOTE: Aftermarket devices (fluorescent lights, laptop computers, etc.) used near the front passenger's seat-back can interfere with the seat-back sensors and cause a false DTC 86-1x or 86-2x. If one of these devices was used, erase the DTC, operate the device near the seat-back, and recheck for DTCs. If DTC 86-1x or 86-2x is set, erase it, and do not use the device near the seat-back.



3. Check the connection at the OPDS sensor harness connector (A) and the ODS unit connector (B).



*Is the connection OK?*

**YES**—Go to step 4.

**NO**—Repair the poor connection, and clear the DTC. ■

4. Replace the OPDS sensor/seat-back foam (see page 20-150), and initialize the ODS (see page 24-33).
5. Erase the DTC memory, then check for DTC 86-1x or 86-2x.

*Is DTC 86-1x or 86-2x indicated?*

**YES**—Replace the ODS unit (see page 24-158). ■

**NO**—The system is OK. ■

### **DTC 92-1x ("x" can be 0 thru 9 or A thru F): Short to Power in the Passenger's Airbag Cutoff Indicator**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and is DTC 92-1x indicated?*

**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

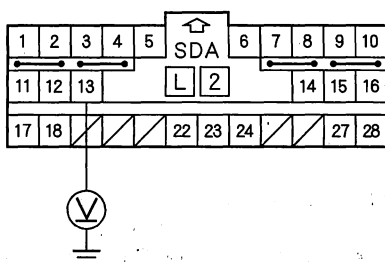
3. Disconnect the passenger's airbag cutoff indicator 6P connector (see page 24-161).
4. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

(cont'd)

## DTC Troubleshooting (cont'd)

5. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
6. Reconnect the negative cable to the battery.
7. Turn the ignition switch ON (II).
8. Measure the voltage between the No. 13 terminal of SRS unit connector A (28P) and body ground. There should be 0.5 V or less.

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

*Is the voltage as specified?*

**YES**—Faulty SRS unit or passenger's airbag cutoff indicator; replace the passenger's airbag cutoff indicator. If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Short to power in the dashboard wire harness; replace the dashboard wire harness. ■

### DTC 92-2x ("x" can be 0 thru 9 or A thru F): Open or Short to Ground in the Passenger's Airbag Cutoff Indicator

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

*Does the SRS indicator stay on, and DTC 92-2x indicated?*

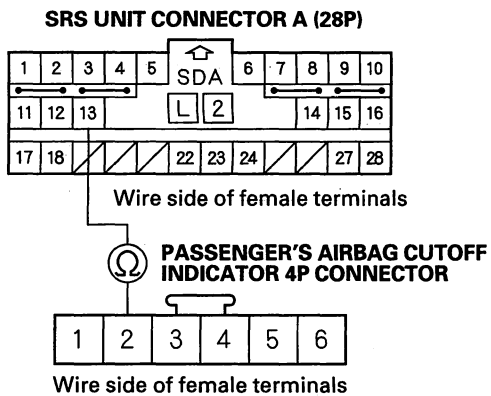
**YES**—Go to step 3.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Disconnect the passenger's airbag cutoff indicator 6P connector (see page 24-161).
4. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).



6. Measure the resistance between the No. 2 terminal of the passenger's airbag cutoff indicator 6P connector and the No. 13 terminal of SRS unit connector A (28P). There should be 0—1.0  $\Omega$ .

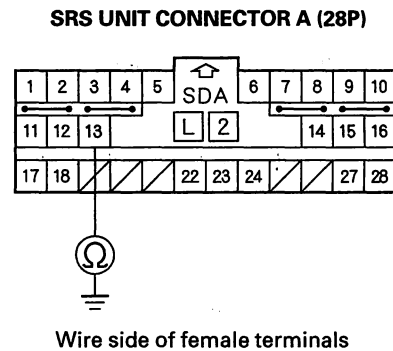


*Is the resistance as specified?*

**YES**—Go to step 7.

**NO**—Open in the dashboard wire harness; replace the dashboard wire harness. ■

7. Measure the resistance between the No. 13 terminal of the SRS unit connector A (28P) and body ground. There should be an open circuit or at least 1 M $\Omega$ .



*Is the resistance as specified?*

**YES**—Replace the passenger's airbag cutoff indicator. If the problem is still present, replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the dashboard wire harness; replace the dashboard wire harness. ■

## DTC Troubleshooting (cont'd)

### DTC A1-1x ("x" can be 0 thru 9 or A thru F): Faulty Power supply (VA Line)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Erase the DTC memory (see page 24-31).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.
3. Read the DTC (see page 24-30).

*Is DTC A1-1x indicated?*

**YES**—Go to step 4.

**NO**—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-32). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Turn the ignition switch OFF.
5. Check the No. 20 (7.5 A) fuse in the under-dash fuse /relay box.

*Is the fuse OK?*

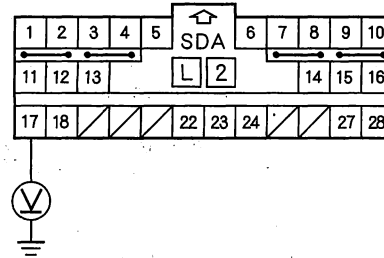
**YES**—Go to step 6.

**NO**—Replace the fuse, then turn the ignition switch ON (II). If the fuse blows again, check for a short in the No. 20 (7.5 A) fuse circuit (dashboard wire harness, floor wire harness, or ODS unit harness). ■

6. Disconnect the negative cable from the battery, and wait for 3 minutes.
7. Disconnect the SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
8. Turn the ignition switch ON (II).

9. Connect a voltmeter between the No. 17 terminal of SRS unit connector A (28P) and body ground. Turn the ignition switch ON (II), and measure the voltage. There should be battery voltage when the ignition is on.

**SRS UNIT CONNECTOR A (28P)**



Wire side of female terminals

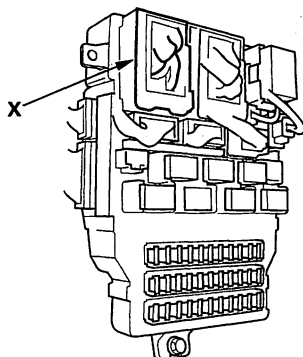
*Is there battery voltage?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector (A) 28P and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-152). ■

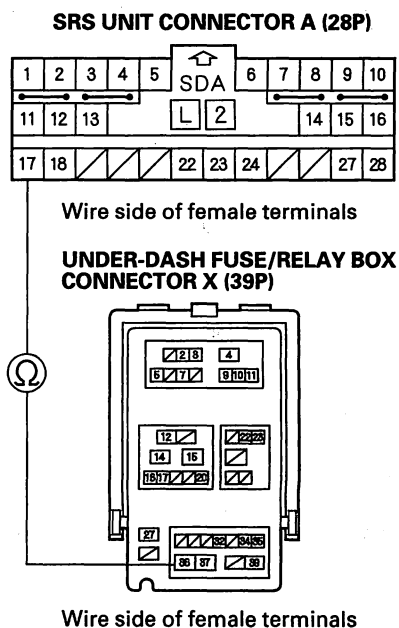
**NO**—Go to step 10.



10. Turn the ignition switch OFF.
11. Disconnect under-dash fuse/relay box connector X (39P).



12. Measure the resistance between the No. 36 terminal of under-dash fuse/relay box connector X (39P) and the No. 17 terminal of SRS unit connector A (28P). There should be 0—1.0  $\Omega$ .



*Is the resistance as specified?*

**YES**—Open in the under-dash fuse/relay box or poor contact between connector X (39P) and the under-dash fuse/relay box; check the connection. If the connection is OK, replace the under-dash fuse/relay box (see page 22-72). ■

**NO**—Open in the dashboard wire harness; replace the dashboard wire harness. ■

### **DTC A2-1x ("x" can be 0 thru 9 or A thru F): Faulty Power Supply (VB Line)**

**NOTE:** Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-20).

1. Check the No. 22 (10 A) fuse in the under-dash fuse/relay box.

*Is the fuse OK?*

**YES**—Go to step 11.

**NO**—Go to step 2.

2. Replace the No. 22 (10 A) fuse.

3. Turn the ignition switch ON (II) and wait for 30 seconds. Then turn the ignition switch OFF.

4. Check the No. 22 (10 A) fuse.

*Is the fuse OK?*

**YES**—The system is OK at this time. ■

**NO**—Go to step 5.

5. Replace the No. 22 (10 A) fuse.

6. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

7. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).

8. Reconnect the negative cable to the battery.

9. Turn the ignition switch ON (II), and wait for 30 seconds. Then turn the ignition switch OFF.

(cont'd)

## DTC Troubleshooting (cont'd)

10. Check the No. 22 (10 A) fuse.

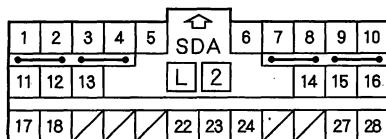
*Is the fuse OK?*

**YES**—Short to ground in the SRS unit; replace the SRS unit (see page 24-152). ■

**NO**—Short to ground in the dashboard wire harness or in the under-dash fuse/relay box No. 22 (10 A) fuse line; replace the dashboard wire harness. If the problem is still there, replace the under-dash fuse/relay box (see page 22-72). ■

11. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
12. Disconnect SRS unit connector A (28P) from the SRS unit (see step 8 on page 24-29).
13. Reconnect the negative cable to the battery.
14. Connect a voltmeter between the No. 18 terminal of SRS unit connector A (28P) and body ground. Turn the ignition switch ON (II), and measure the voltage. There should be battery voltage with the ignition on.

**SRS UNIT CONNECTOR A (28P)**



Wire side of female terminals

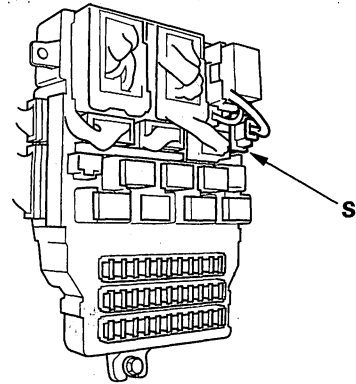
*Is there battery voltage?*

**YES**—Faulty SRS unit or poor connection at SRS unit connector A (28P) and the SRS unit; check the connection. If the connection is OK, replace the SRS unit (see page 24-152). ■

**NO**—Go to step 15.

15. Turn the ignition switch OFF.

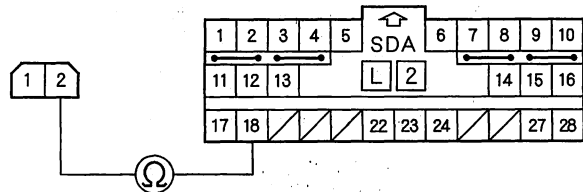
16. Disconnect under-dash fuse/relay box connector S (2P).



17. Measure the resistance between the No. 1 terminal of the under-dash fuse/relay box connector S (2P) and the No. 18 terminal of SRS unit connector A (28P). There should be 0—1.0  $\Omega$ .

**UNDER-DASH FUSE/RELAY BOX CONNECTOR S (2P)**

**SRS UNIT CONNECTOR A (28P)**



Wire side of female terminals

*Is the resistance as specified?*

**YES**—Open in the under-dash fuse/relay box or poor connection between connector S (2P) and the under-dash fuse/relay box; check the connection. If the connection is OK, replace the under-dash fuse/relay box (see page 22-72). ■

**NO**—Open in the dashboard wire harness; replace the dashboard wire harness. ■



## Symptom Troubleshooting

### SRS indicator does not come on

1. Connect the HDS to the DLC (see page 24-30).
2. Turn the ignition switch ON (II).
3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-223).
4. Check for PGM-FI, Body Electrical, and SRS DTCs with the HDS.

*Are there any PGM-FI, Body Electrical, or SRS DTCs?*

**YES**—Go to the indicated DTCs troubleshooting.

**NO**—Go to step 5.

5. Do the gauge control module self-diagnostic function (see page 22-315).

*Does the SRS indicator come on?*

**YES**—Faulty SRS unit; replace the SRS unit (see page 24-152). ■

**NO**—Faulty gauge control module; replace the gauge control module (see page 22-337). ■

### SRS indicator stays on, but no DTCs are stored

1. Connect the HDS to the DLC (see page 24-30).
2. Turn the ignition switch ON (II).
3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-223).

4. Select Body Electrical status with the HDS.

5. Check for DTCs in the Gauge Menu with the HDS.

*Is DTC B1187 indicated?*

**YES**—Go to the DTC B1187 troubleshooting.

**NO**—Go to step 6.

6. Check that the HDS communicate with the SRS unit.

*Does the HDS communicate with the SRS unit?*

**YES**—Go to step 7.

**NO**—If the HDS does not communicate with the SRS unit, check for power and ground at SRS unit connector A (28P). If power and ground are still present, replace the SRS unit (see page 24-152). ■

7. From the HDS System Menu, select SRS, then SRS in Mode Menu, PARAMETER INFORMATION, then SCS, MES, Indicator. Read the current status of the SRS indicator.

*Is the status ON?*

**YES**—Faulty SRS unit; replace the SRS unit (see page 24-152). ■

**NO**—Faulty gauge control module; replace the gauge control module (see page 22-337). ■

## Symptom Troubleshooting (cont'd)

### Side airbag cutoff indicator stays on

1. Make sure nothing is on the front passenger's seat.
2. Make sure the seat-back is dry.
3. Turn the ignition switch ON (II), and see if the SRS indicator comes on.

*Does the SRS indicator come on?*

**YES**—Go to the Symptom Troubleshooting "SRS indicator stay on".

**NO**—Go to step 4.

4. Connect the HDS to the DLC (see page 24-30).
5. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-223).
6. From the Main Menu on the HDS, select SRS, then PARAMETER INFORMATION. In the PARAMETER INFORMATION Menu, select "SCS, MES, Indicator," and read what is screen on the HDS.

*Is OFF indicated on the HDS?*

**YES**—Faulty gauge control module; replace the gauge control module (see page 22-337). ■

**NO**—Faulty SRS unit; replace the SRS unit (see page 24-152). ■

### Side airbag cutoff indicator does not come on

**NOTE:** If the SRS indicator also stays on, go to SRS indicator stays on, but no DTCs are stored (see page 24-131).

1. Turn the ignition switch ON (II), and check that the side airbag cutoff indicator comes on for about 6 seconds.

*Does the side airbag cutoff indicator come on?*

**YES**—Go to the Symptom Troubleshooting "SRS indicator stay on."

**NO**—Go to step 2.

2. Connect the HDS to the DLC (see page 24-30).
3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not troubleshoot the DLC circuit (see page 11-223).
4. Do the self diagnostic function with the HDS.

*Does the side airbag cutoff indicator come on?*

**YES**—Faulty SRS unit; replace the SRS unit (see page 24-152). ■

**NO**—Faulty gauge control module; replace the gauge control module (see page 22-337). ■



## Passenger's airbag cutoff indicator stays on or comes on suddenly

NOTE: Under the following conditions, the passenger's airbag cutoff indicator stays on or comes on suddenly.

- No one is sitting the front passenger's seat, but there is an object on the seat more than 5 kg (11 lbs).
- The seat belt is buckled, but no one is sitting on the front passenger's seat.
- Someone who is less than 30 kg (66 lbs) is sitting on the front passenger's seat.

1. Check for these items, then recheck the passenger's airbag cutoff indicator.

- The front passenger's seat is installed correctly.
- Nothing is/was on the front passenger's seat.
- Nothing is/was under the front passenger's seat.
- Nothing is/was in the front passenger's seat-back pocket.
- Whoever was sitting on the front passenger's seat was sitting in the proper sitting position.
- Someone who is more than 30 kg (66 lbs) but is supporting some of their body weight on their legs, feet, arms, or hands.

*Does the passenger's airbag cutoff indicator stay on?*

**YES**—Go to step 2.

**NO**—Troubleshooting is complete. ■

2. Connect the HDS to the DLC (see page 24-30).
3. Turn the ignition switch ON (II).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-223).

5. Select the INSPECTION menu on the HDS, then select AFTER REPLACING FRONT PASSENGER'S SEAT COMPONENT(S), and follows the prompts.

*Does the passenger's airbag cutoff indicator stay on?*

**YES**—Go to step 6.

**NO**—Troubleshooting is complete. ■

6. Select the INSPECTION menu on the HDS, then select AFTER A VEHICLE COLLISION, and follows the prompts.

*Does the passenger's airbag cutoff indicator stay on?*

**YES**—Faulty SRS unit; replace the SRS unit (see page 24-152). ■

**NO**—Troubleshooting is complete. ■

## Component Replacement/Inspection After Deployment

### NOTE:

- Before doing any SRS repairs, use the HDS SRS menu method to check for DTCs; refer to the DTC Troubleshooting Index for the less obvious deployed parts (seat belt tensioners, front impact sensors, side airbag sensors, etc.)
- Do not replace the ODS unit unless it is physically damaged or a specific fault was found during DTC troubleshooting.

After a collision where the seat belt tensioners deployed, replace these items:

- SRS unit
- Seat belt tensioners
- Front impact sensors

After a collision where the front airbag(s) deployed, replace these items:

- SRS unit
- Deployed airbag(s)
- Seat belt tensioners
- Front impact sensors

After a collision where the side airbag(s) deployed, replace these items:

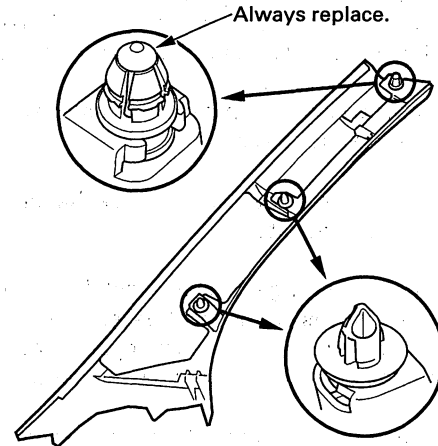
- SRS unit
- Deployed side airbag(s)
- Reinforcing cloth rear hooks
- Side impact sensor(s) (first) for the side(s) that deployed
- Side impact sensor(s) (second) for the side(s) that deployed
- B-pillar lower trim
- Complete seat frame

After a collision where the side curtain airbag(s) deployed, replace these items:

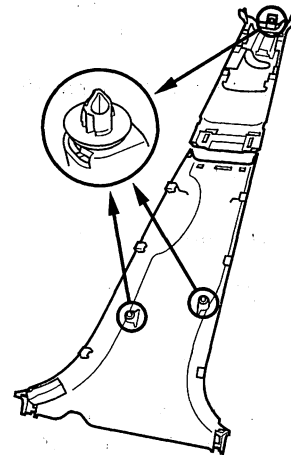
- SRS unit
- Deployed side curtain airbag(s)
- Seat belt tensioner(s) for the side(s) that deployed
- Side impact sensor(s) (first) for the side(s) that deployed
- Side impact sensor(s) (second) for the side(s) that deployed
- Satellite safing sensor
- Roll rate sensor
- Roof trim
- A-pillar trim
- B-pillar upper trim
- Quarter pillar trim
- Front grab handle
- Rear grab handle
- All related trim clips
- Sunvisor

After a moderate to severe side or rear collision, inspect for any damage on the side curtain airbag or other related components. Replace components as needed.

### A-pillar trim

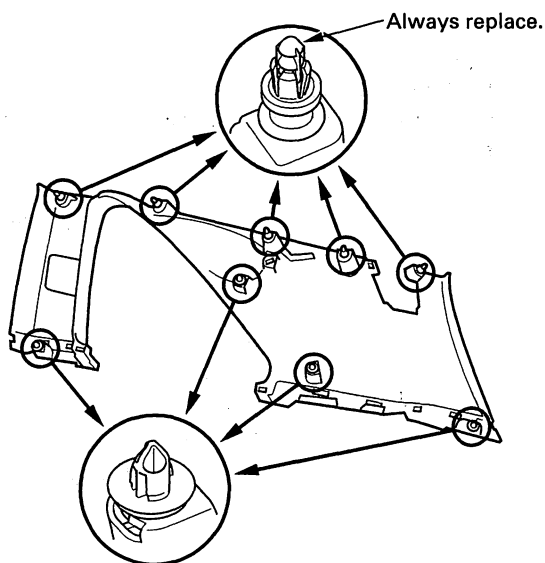


### B-pillar trim





### C-Pillar trim



During the repair process, inspect these areas:

- Inspect all the SRS wire harnesses. Replace, do not repair, any damaged harnesses.
- Inspect the cable reel for heat damage. If there is any damage, replace the cable reel.

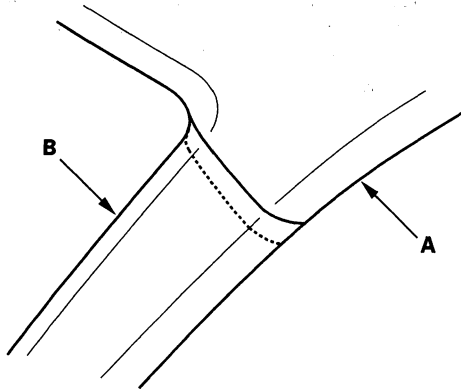
After the vehicle is completely repaired, turn the ignition switch ON (II). If the SRS indicator comes on for about 6 seconds and then goes off, the SRS is OK. If the indicator does not function properly, use the HDS SRS Menu Method to read the DTC (see page 24-30). If you cannot retrieve a code, go to SRS Symptom Troubleshooting.

## Component Replacement/Inspection After Deployment (cont'd)

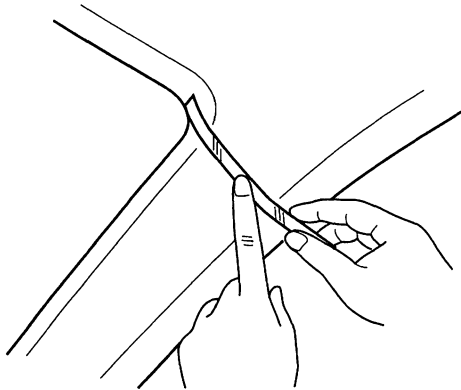
### Checking and Adjusting the Headliner/Pillar Trim Overlap

To prevent the side curtain airbag from deploying and damaging the pillar trim, the overlap between the headliner and pillar trim must be less than 0.3 in. (8 mm). To check the overlap, do this:

1. Install the headliner (A) and the pillar trim (B).

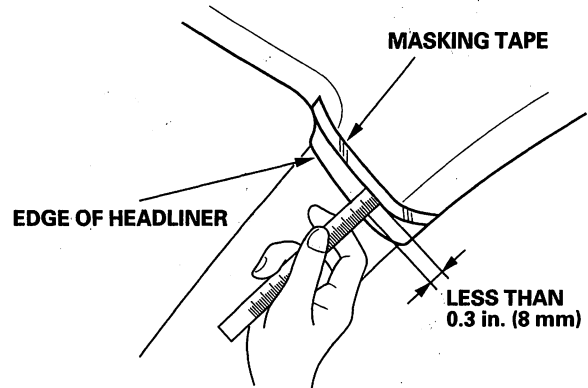


2. Using masking tape on the headliner, mark the upper edge of each pillar trim.

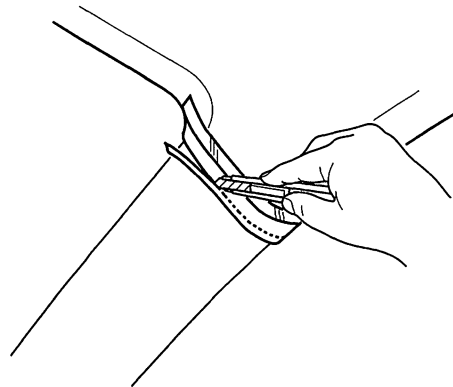


3. Remove the pillar trim, and measure the headliner overlap.

- If the overlap is less than 0.3 in. (8 mm), remove the tape, and install the pillar trim.
- If the overlap is more than 0.3 in. (8 mm), go to step 4.



4. Carefully trim the headliner with a utility knife, reducing the overlap to less than 0.3 in. (8 mm).



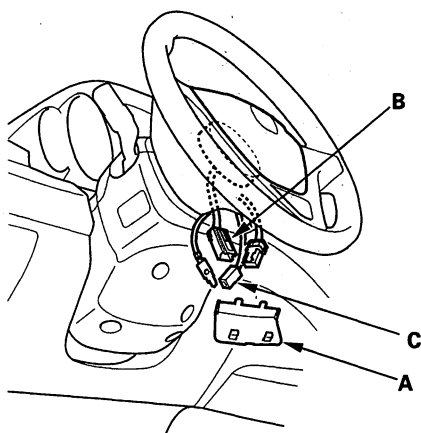
5. Remove the tape, and install the pillar trim.



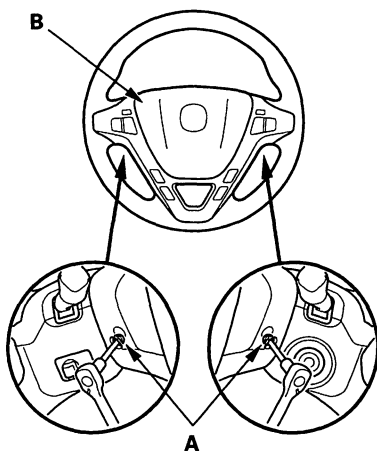
## Driver's Airbag Replacement

### Removal

1. Disconnect the negative cable from the battery and wait at least 3 minutes before beginning work.
2. Remove the access panel (A) from the steering wheel, then disconnect the driver's airbag 4P connector (B) and horn switch 1P connector (C) from the cable reel.



3. Using a TORX T30 bit, remove the two TORX bolts (A).

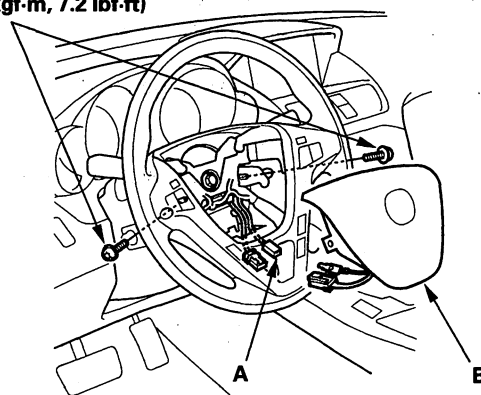


4. Remove the driver's airbag (B).

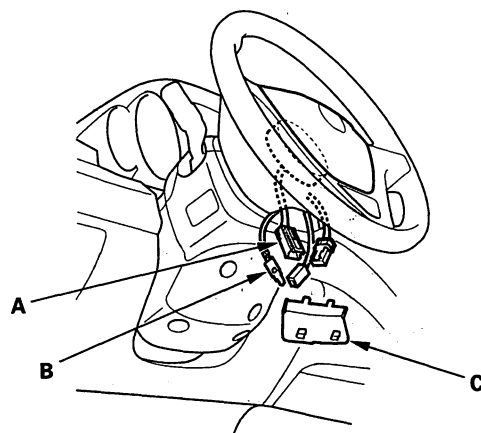
### Installation

1. Connect the horn switch connector (1P) (A) to the driver's airbag (B).

C  
9.8 N·m  
(1.0 kgf·m, 7.2 lbf·ft)



2. Place the driver's airbag in the steering wheel, and secure it with new TORX bolts (C).
3. Connect the cable reel 4P connector (A) to the driver's airbag 4P connector and horn switch 1P connector (B), then install the access panel (C) on the steering wheel.



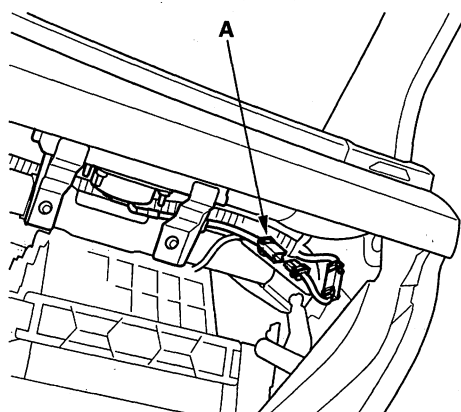
4. Connect the negative cable from the battery.
5. After installing the airbag, confirm proper system operation:
  - Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
  - Make sure the horn works.

## Front Passenger's Airbag Replacement

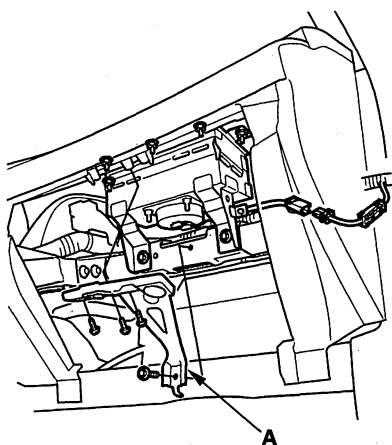
### Removal

NOTE: If the front passenger's airbag has been deployed, refer to the install for after a collision where the front passenger's airbag deployed.

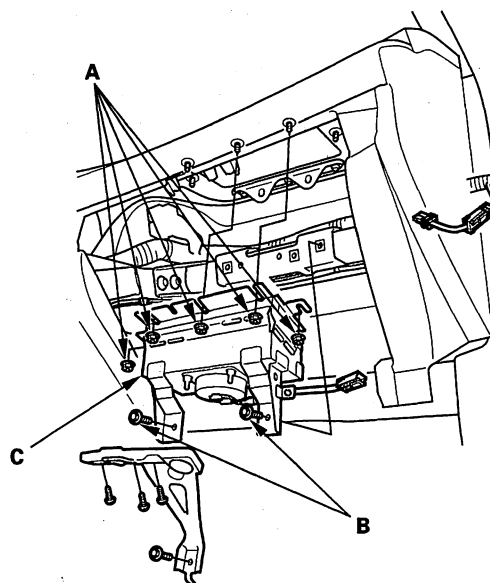
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the glove box (see page 20-125).
3. Disconnect the front passenger's airbag 4P connector (A) from dashboard wire harness.



4. Remove the bracket (A).



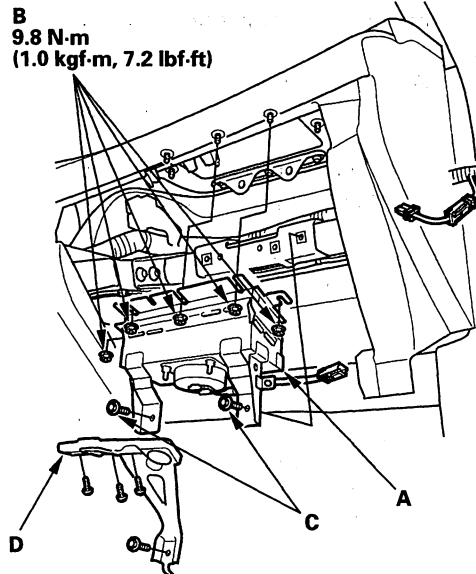
5. Remove the mounting nuts (A) and mounting bolts (B) from the bracket. Remove the front passenger's airbag (C).





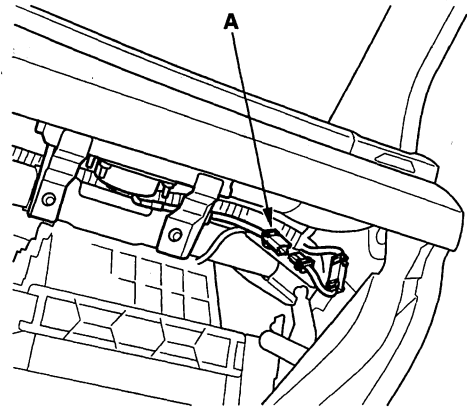
## Installation

1. Place the new front passenger's airbag (A) into the bracket. Tighten the front passenger's airbag mounting nuts (B) and mounting bolts (C).



2. Reinstall the bracket (D).

3. Connect the front passenger's airbag 4P connector (A) to dashboard wire harness, then reinstall the glove box (see page 20-125).



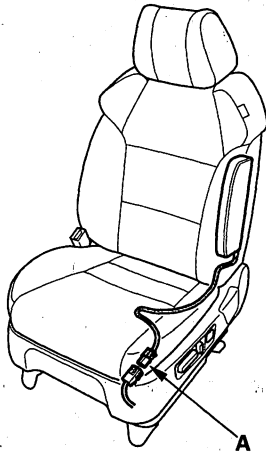
4. Reconnect the negative cable to the battery.
5. Connect the HDS and clear the DTCs.
6. After installing the airbag, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.

## Side Airbag Replacement

NOTE: Review the seat replacement procedure before performing repairs or service (see page 20-141).

### Removal

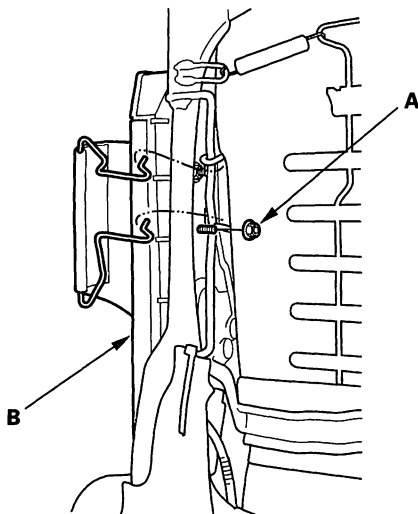
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the side airbag harness 2P connector (A).



3. Remove the seat assembly (see page 20-141) and seat-back cover (see page 20-150).

NOTE: If you are replacing a deployed airbag, replace the reinforcing cloth rear hooks.

4. Remove the mounting nut (A) and the side airbag (B).

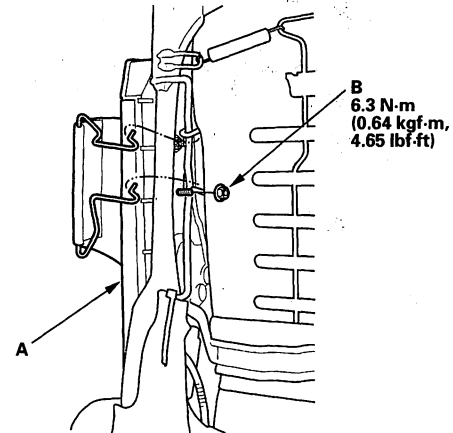


### Installation

NOTE:

- If the side airbag lid is secured with tape, remove the tape.
- Do not open the lid on the side airbag cover.
- Use new mounting nuts tightened to the specified torque.
- Make sure that the seat-back cover is installed properly. Improper installation may prevent proper deployment.
- Be sure to install the harness wires so that they are not pinched or interfering with other parts.

1. Place the new side airbag on the seat-back frame (A). Tighten the new side airbag mounting nut (B).



2. Install the seat-back cover in the reverse order of removal (see page 20-150).

NOTE: If you are replacing a deployed airbag, replace the reinforcing cloth rear hooks.

3. Install the seat assembly (see page 20-141), then connect the side airbag harness 2P connector.
4. Move the front seat and the seat-back through their full ranges of movement, making sure the harness wires are not pinched or interfering with other parts.
5. Reconnect the negative cable to the battery.
6. Connect the HDS, and clear the DTCs (see page 24-31).
7. After installing the side airbag, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.



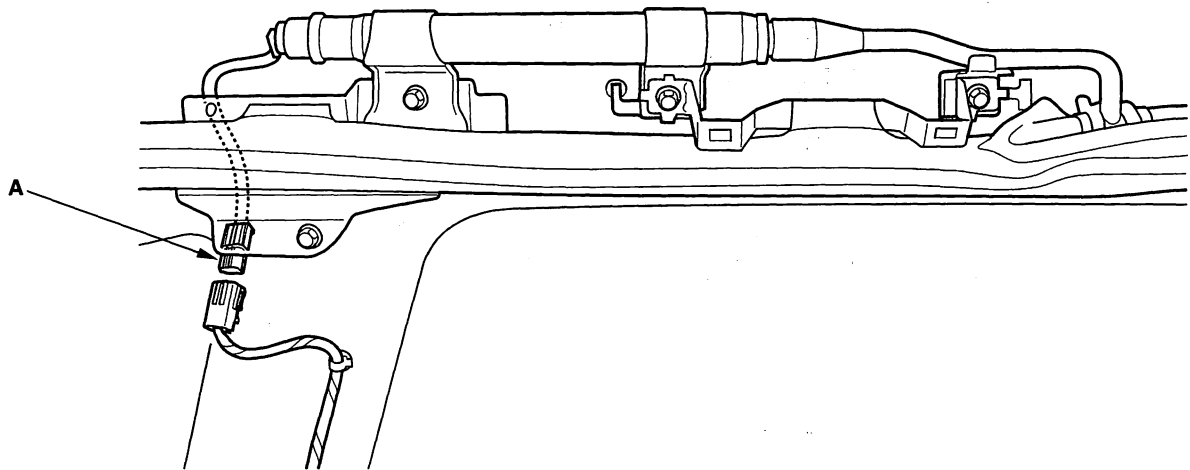
## Side Curtain Airbag Replacement

### Removal

#### NOTE:

- Review the interior trim replacement procedure before performing repair or service (see page 20-85).
- Removal of the side curtain airbag must be performed according to the precautions/procedures described at the beginning of the SRS section (see page 24-20).
- The side curtain airbag system consists of the side curtain airbag module, including the roof trim, front grab handle, rear grab handle, all grab handle brackets and shielding protector. After the side curtain airbag has been deployed, replace these parts (see page 20-134).

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the headliner (see page 20-101).
3. Disconnect the side curtain airbag 2P connector (A) from the floor wire harness.



Left side shown; right side is similar.

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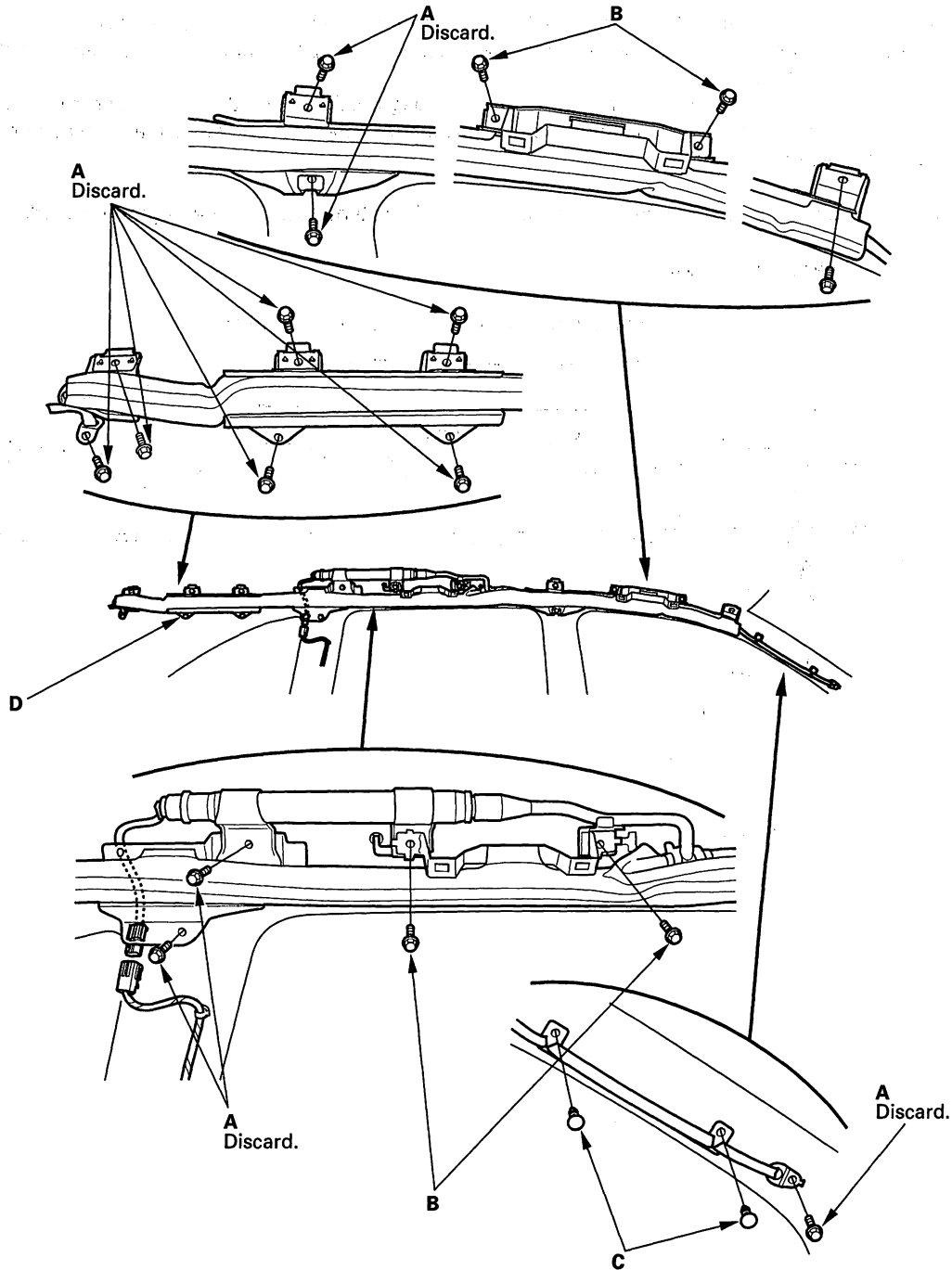
(cont'd)

**BACK**

**24-141**

## Side Curtain Airbag Replacement (cont'd)

4. Remove the mounting bolts (A) and mounting bolts (B) from the bracket. Detach the clips (C), then remove the side curtain airbag (D).



Left side shown; right side similar.



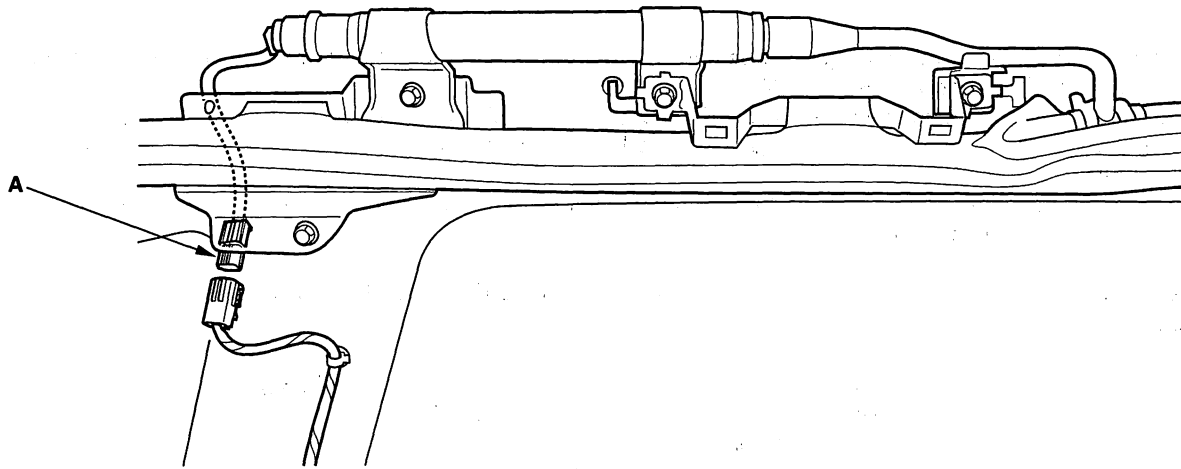
**NOTE:**

- 
- A**  
9.8 N-m  
(1.0 kgf-m, 7.2 lbf-ft)
- B**  
6.0 N-m  
(0.6 kgf-m, 4.0 lbf-ft)
- A**  
9.8 N-m  
(1.0 kgf-m, 7.2 lbf-ft)
- A**  
9.8 N-m  
(1.0 kgf-m, 7.2 lbf-ft)
- B**  
6.0 N-m  
(0.6 kgf-m, 4.0 lbf-ft)
- A**  
9.8 N-m  
(1.0 kgf-m, 7.2 lbf-ft)
- right side similar.

**BACK**

## Side Curtain Airbag Replacement (cont'd)

2. Connect the side curtain airbag 2P connector (A) to the floor wire harness.



Left side shown; right side is similar.

3. Reconnect the negative cable to the battery.
4. Connect the HDS, and erase the DTCs (see page 24-31).
5. After installing the side curtain airbag, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
6. Install all removed parts.
7. Confirm proper headliner/pillar trim overlap (see page 24-136).



## Airbag and Tensioner Disposal

### Special Tools Required

Deployment tool 07HAZ-SG00500

Before scrapping any airbags, side airbags, side curtain airbags, seat belt tensioners, or lap belt tensioner (including those in a whole vehicle to be scrapped), the part(s) must be deployed. If the vehicle is still within the warranty period, the Acura District Parts and Service Manager must give approval and/or special instruction before deploying the part(s). Only after the part(s) have been deployed (as the result of vehicle collision, for example), can they be scrapped.

If the parts appear intact (not deployed), treat them with extreme caution. Follow this procedure.

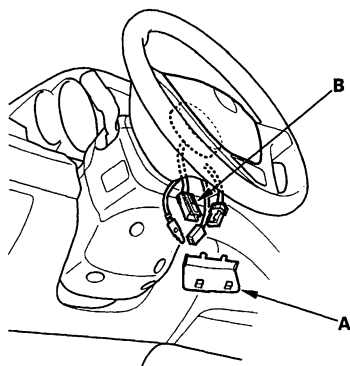
### Deploying Airbags in the Vehicle

If an SRS equipped vehicle is to be entirely scrapped, its airbags, side airbags, side curtain airbags, seat belt tensioners, and lap belt tensioner should be deployed while still in the vehicle. These parts should not be considered as salvageable parts and should never be installed in another vehicle.

1. Turn the ignition switch OFF, then disconnect the negative cable from the battery, and wait at least 3 minutes.
2. Confirm that each airbag, side airbag, side curtain airbag, seat belt tensioner, or lap belt tensioner is securely mounted.
3. Confirm that the deployment tool is functioning properly by following the check procedure on the tool label.

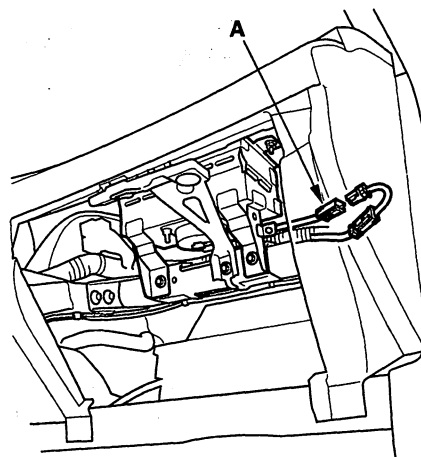
### Driver's Airbag

4. Remove the access panel (A) from the steering wheel then disconnect the driver's airbag 4P connector (B) from the cable reel.



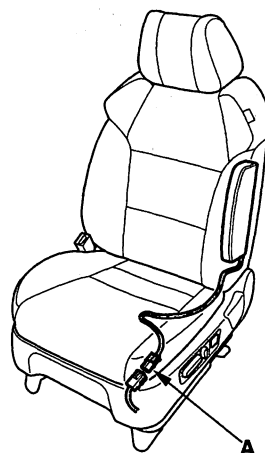
### Front Passenger's Airbag

5. Remove the glove box, then disconnect the front passenger's airbag 4P connector (A) from the dashboard wire harness.



### Side Airbag

6. Disconnect the side airbag 2P connector (A) from the floor wire harness.

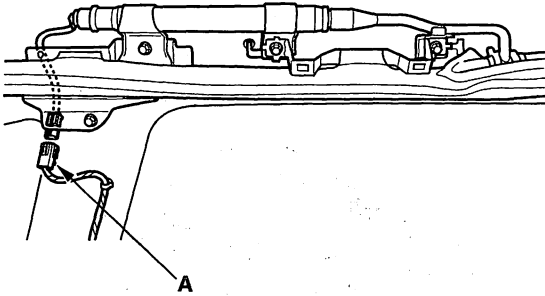


(cont'd)

## Airbag and Tensioner Disposal (cont'd)

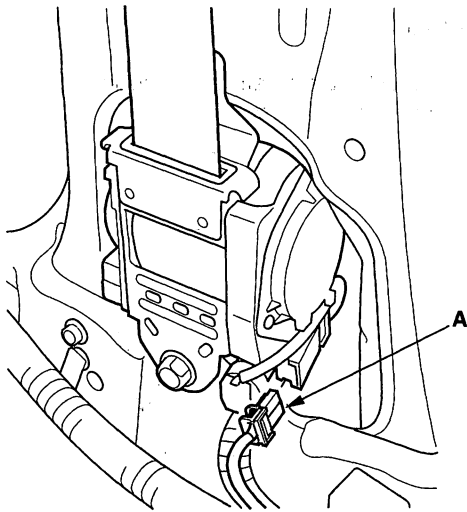
### Side Curtain Airbag

7. Disconnect the floor wire harness 2P connector (A) from the side curtain airbag.



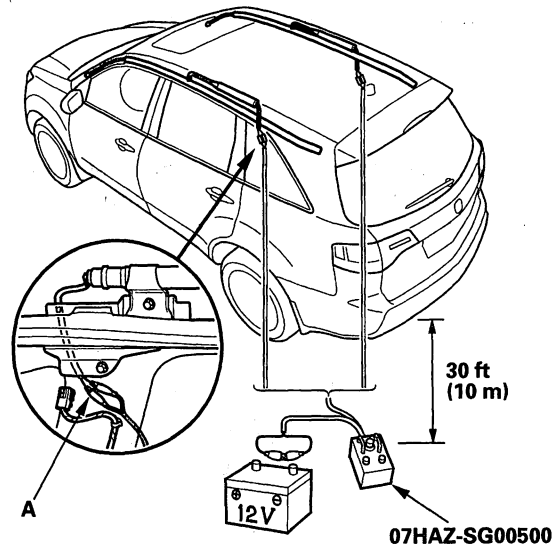
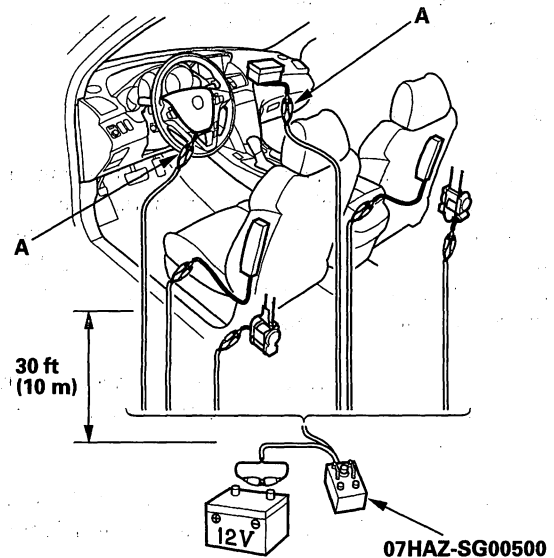
### Seat Belt Tensioner

8. Disconnect the floor wire harness 4P connector (A) from the seat belt tensioner. Pull the seat belt out all the way and cut it.



9. Cut off each connector, and strip the ends of the wires. Twist each pair of unlike colored wires together, and clip an alligator clip (A) from the deployment tool to each pair. Place the deployment tool at least 30 feet (10 meters) away from the vehicle.

**NOTE:** The driver's and front passenger's airbags have dual inflators. Twist each pair of unlike colored wires together, and clip an alligator clip to each pair.





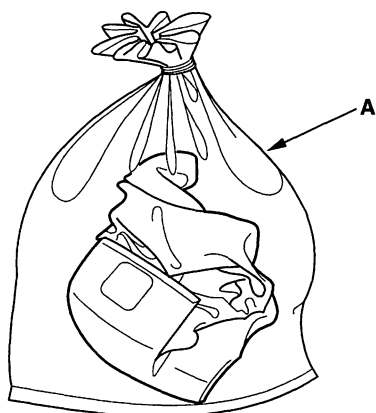
10. Connect a 12 volt battery to the tool.

- If the green light on the tool comes on, the igniter circuit is defective and cannot deploy the component. Go to Disposal of Damaged Components.
- If the red light on the tool comes on, the component is ready to be deployed.

11. Push the tool's deployment switch. The airbags and tensioners should deploy (deployment is both highly audible and visible: A loud noise and rapid inflation of the bag, followed by slow deflation).

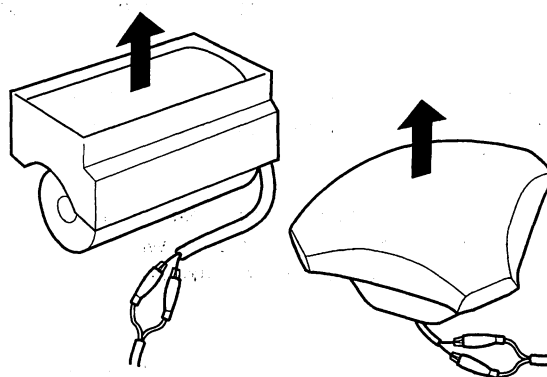
- If the components deploy and the green light on the tool comes on, continue with this procedure.
- If a component does not deploy, and the green light comes ON, its igniter is defective. Go to Disposal of Damaged Components.
- During deployment, the airbags can become hot enough to burn you. Wait 30 minutes after deployment before touching the airbags.

12. Dispose of the complete airbag. No part of it can be reused. Place it in a sturdy plastic bag (A), and seal it securely. Dispose of the deployed airbag according to your local regulations.



## Deploying Components Out of the Vehicle

If an intact airbag or tensioner has been removed from a scrapped vehicle, or has been found defective or damaged during transit, storage, or service, it should be deployed as follows:



1. Confirm that the deployment tool is functioning properly by following the check procedure Deploying Airbags in the Vehicle on the tool label.
2. Position the airbag face up, outdoors, on flat ground, at least 30 feet (10 meters) from any obstacles or people.
3. Follow steps 9 through 12 of the in-vehicle deployment procedure.

**NOTE:** The driver's and front passenger's airbags have dual inflators. Twist each pair of unlike colored wires together, and clip an alligator clip to each pair.

(cont'd)

## **Airbag and Tensioner Disposal (cont'd)**

### **Disposal of Damaged Components**

1. If installed in a vehicle, follow the removal procedure for the driver's airbag (see page 24-137), front passenger's airbag (see page 24-138), side airbag (see page 24-140), side curtain airbag (see page 24-141), and seat belt tensioner (see page 24-4).
2. In all cases, make a short circuit by cutting, stripping, and twisting together the two inflator wires.

NOTE: The driver's and front passenger's airbags have dual inflators. The like color wires go to the individual inflators. Twist the like colored wires together.

3. Package the component in exactly the same packaging that the new replacement part came in.
4. Mark the outside of the box "DAMAGED AIRBAG NOT DEPLOYED," "DAMAGED SIDE AIRBAG NOT DEPLOYED," "DAMAGED SIDE CURTAIN AIRBAG NOT DEPLOYED," "DAMAGED SEAT BELT TENSIONER NOT DEPLOYED" so it does not get confused with your parts stock.
5. Contact your Acura District Parts and Service Manager for instructions on how and where to return it for disposal.

### **Deployment Tool Check**

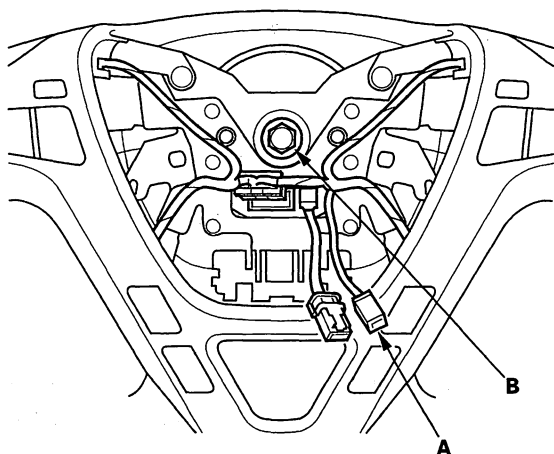
1. Connect the yellow clips to both switch protector on to a vehicle battery.
2. Then connect the red lead to the positive battery post and the black lead to the negative battery post.
3. Push the operation switch: The green light should come on, indicating that the tool is operating properly and is ready for use. If the red light stays on, the tool is faulty, and another one must be used for the procedure.
4. Disconnect the tool and connectors from the protector handles and the battery.



## Cable Reel Replacement

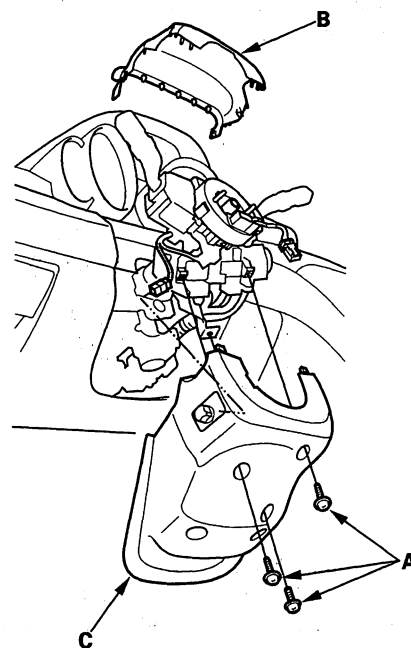
### Removal

1. Make sure the front wheels are aligned straight ahead.
2. Disconnect the negative cable from the battery, and wait at least 3 minutes.
3. Remove the driver's airbag (see page 24-137).
4. Disconnect the connector (A) from the cable reel, then remove the steering wheel bolt (B).



5. Confirm that the front wheels point straight ahead, then remove the steering wheel with a steering wheel puller (see step 6 on page 17-22). Do not tap on the steering wheel or steering column shaft when removing the steering wheel.

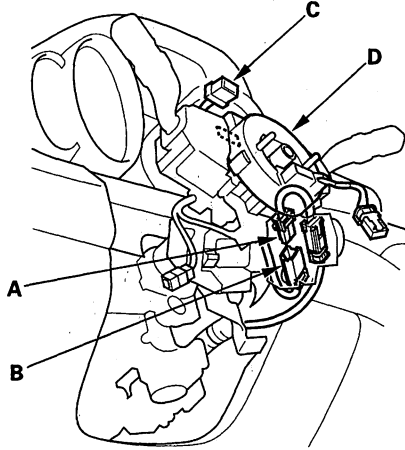
6. Remove the column cover screws (A), then remove the column covers (B, C).



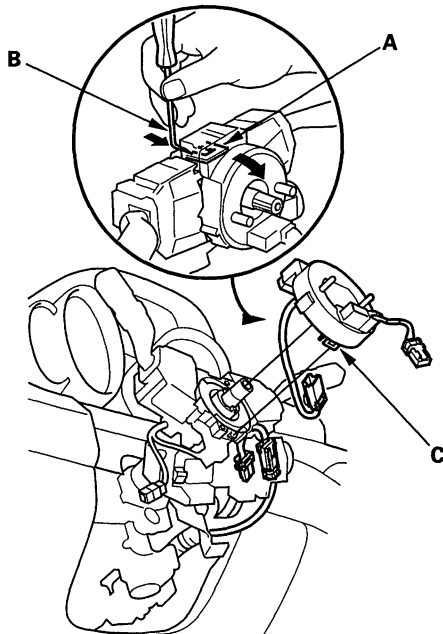
(cont'd)

## Cable Reel Replacement (cont'd)

7. Disconnect the dashboard wire harness 4P connector (A) from the cable reel 4P connector (B), then disconnect the dashboard wire harness 20P connector (C) from the cable reel (D).

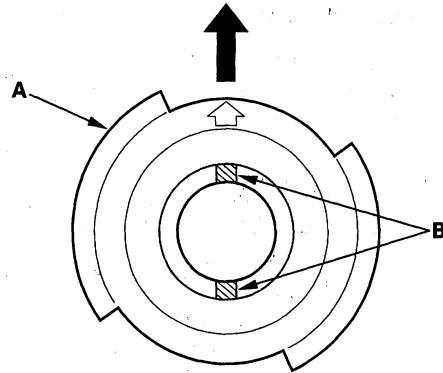


8. Release the lock tab (A) under the cable reel connector with a 90 ° hook shaped tool (B). Slide the tool below the cable reel connector just above the lock tab. Release the lower lock tab (C), and slide the cable reel off the column.

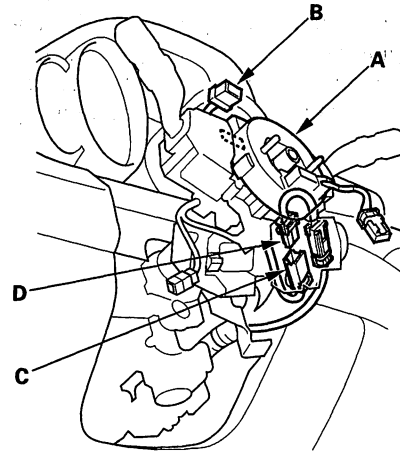


## Installation

1. Before installing the steering wheel, align the front wheels straight ahead.
2. If not already done, disconnect the negative cable from the battery, and wait at least 3 minutes.
3. Set the turn signal canceling sleeve (A) so that the projections (B) are aligned vertically.

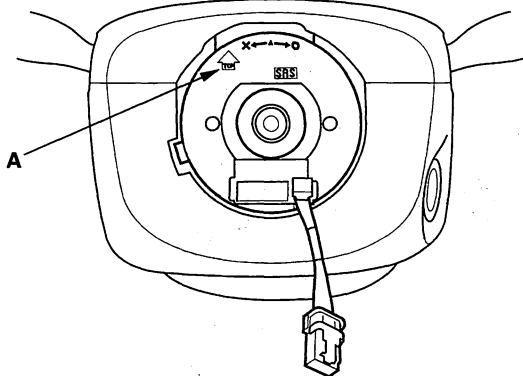


4. Carefully install the cable reel (A) on the steering column shaft. Then connect 13P or 5P connector (B) to the cable reel, and connect the 4P connector (C) to the dashboard wire harness 4P connector (D).

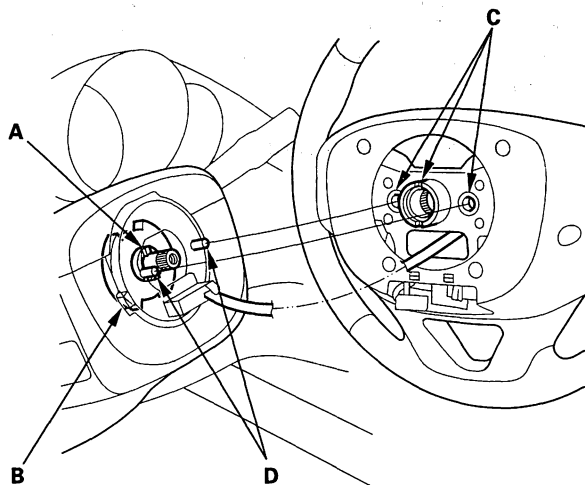




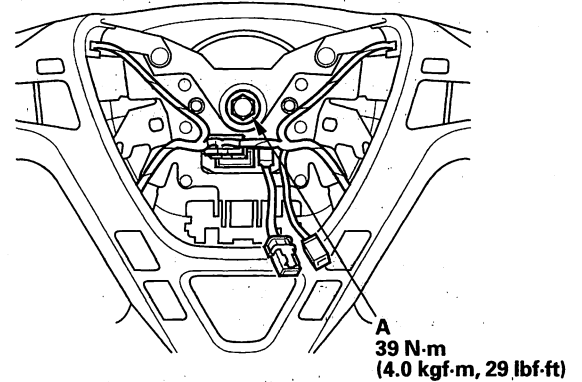
5. Install the steering column covers.
6. If necessary, center the cable reel (New replacement cable reels come centered.). Do this by first rotating the cable reel clockwise until it stops. Then rotate it counterclockwise (about three turns) until the arrow mark (A) on the cable reel label points straight up.



7. Position the two tabs (A) of the turn signal canceling sleeve (B) as shown, and install the steering wheel on to the steering column shaft, making sure the steering wheel hub (C) engages the pins (D) of the cable reel and tabs of the turn signal canceling sleeve. Do not tap on the steering wheel or steering column shaft when installing the steering wheel.



8. Install a new steering wheel bolt (A), then reconnect the connectors.



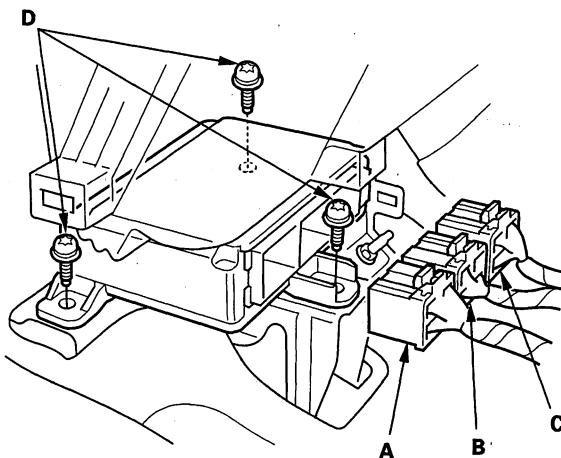
9. Install the driver's airbag (see page 24-137).
10. Reconnect the negative cable to the battery.
11. After installing the cable reel, confirm proper system operation:
  - Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
  - After the SRS indicator has turned off, turn the steering wheel fully left and right to confirm the SRS indicator does not come on.
  - Make sure the horn works.
  - Make sure the cruise control buttons work.
  - Make sure the steering wheel audio controls works.
  - Make sure the INFO/SEL buttons works.

## SRS Unit Replacement

### Removal

NOTE: If you are only disconnecting SRS unit connector A, skip step 2.

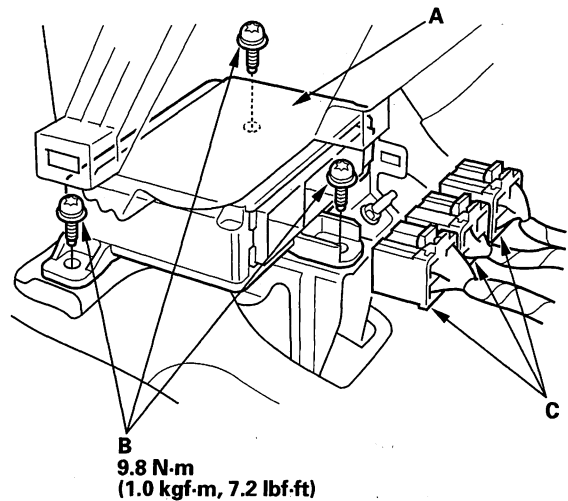
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect both seat belt tensioner connectors (see step 7 on page 24-29).
3. Remove the driver's center console trim (see step 5 on page 20-107) and passenger's center console trim (see step 6 on page 20-107).
4. Disconnect SRS unit connector A, connector B, connector C, and remove the TORX bolts (D), then pull out the SRS unit.



### Installation

1. Install the new SRS unit (A) with new TORX bolts (B), then connect the connectors (C) to the SRS unit; push them into position until they click.

NOTE: Be sure the SRS unit is sitting squarely against its bracket before torquing the TORX bolt.



2. Reconnect both seat belt tensioner connectors (see step 8 on page 24-29).
3. Reconnect the negative cable to the battery.
4. After installing the SRS unit, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
5. Reinstall all removed parts.

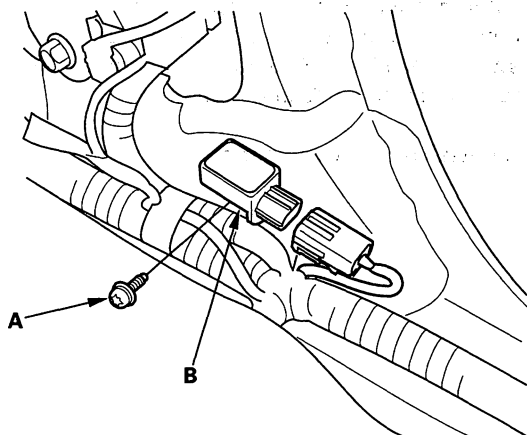


## Side Impact Sensor (First) Replacement

**NOTE:** Review the seat replacement procedure (see page 20-141) before doing repairs or service.

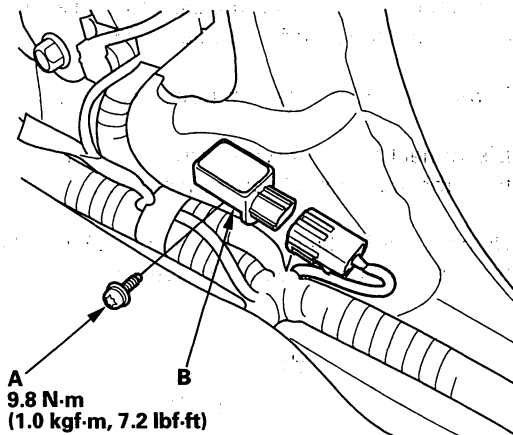
### Removal

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the appropriate side airbag 2P connector (see step 4 on page 24-28).
3. Remove the front seat assembly (see page 20-141).
4. Remove the lower B-pillar lower trim panel (see page 20-82).
5. Disconnect the floor wire harness 2P connector from the side impact sensor (first).
6. Using a TORX T30 bit, remove the TORX bolt (A), then remove the side impact sensor (first) (B).



### Installation

1. Install the new side impact sensor (first) with the TORX bolt (A), then connect the floor wire harness 2P connector (B) to the side impact sensor (first).

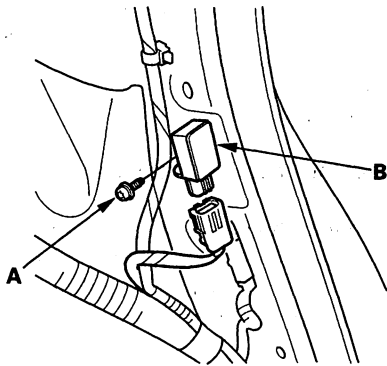


2. Reconnect the negative cable to the battery.
3. After installing the side impact sensor (first) confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Reinstall all removed parts.

## Side Impact Sensor (Second) Replacement

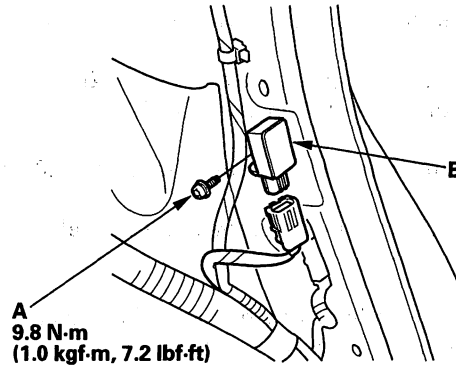
### Removal

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the appropriate side curtain airbag 2P connector (see step 5 on page 24-28).
3. Remove the rear side trim panel (see page 20-92).
4. Disconnect the floor wire harness 2P connector from the side impact sensor (second).
5. Using a TORX T30 bit, remove the TORX bolt (A) then remove the side impact sensor (second) (B).



### Installation

1. Install the new side impact sensor (second) with the TORX bolt (A) then connect floor wire harness 2P connector (B) to the side impact sensor (second).



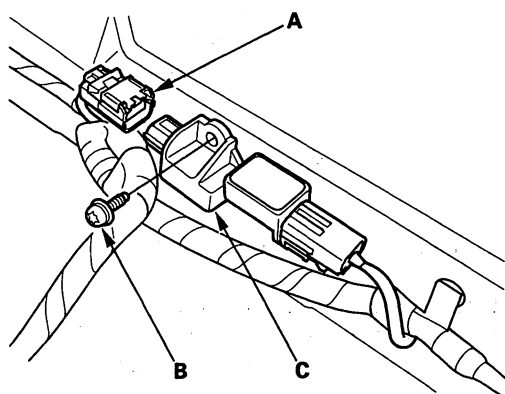
2. Reconnect the negative cable to the battery.
3. After installing the side impact sensor (second), confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Reinstall all removed parts.



## Roll Rate Sensor Replacement

### Removal

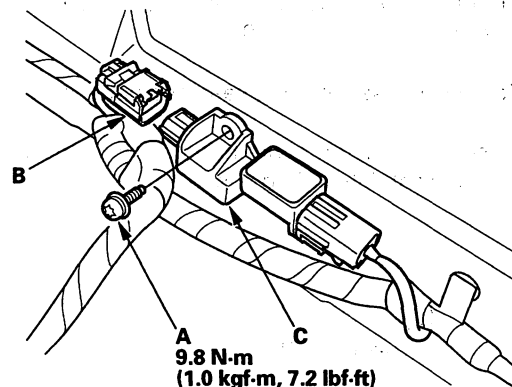
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect both side curtain airbag 2P connectors (see step 5 on page 24-28).
3. Remove the second row seat (see page 20-156).
4. Disconnect the floor wire harness 2P connector (A) from the roll rate sensor.



5. Using a TORX T30 bit, remove the TORX bolt (B) then remove the roll rate sensor (C).

### Installation

1. Install the new roll rate sensor with the TORX bolts (A) then connect the floor wire harness 2P connector (B) to the roll rate sensor (C).

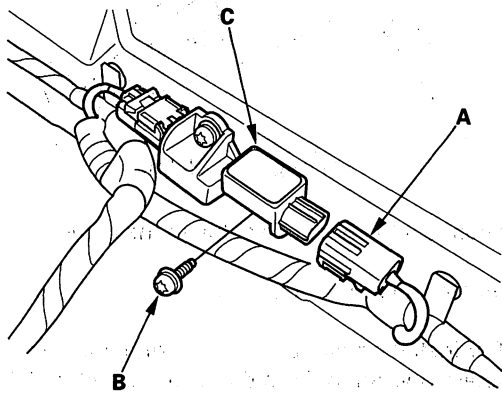


2. Reconnect the negative cable to the battery.
3. Reinstall all removed parts.
4. After installing the roll rate sensor, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.

## Satellite Safing Sensor Replacement

### Removal

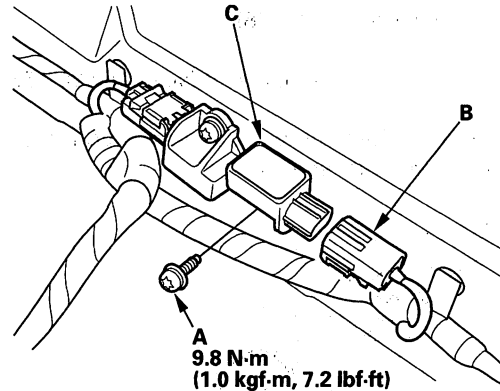
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect both side curtain airbag 2P connectors (see step 5 on page 24-28).
3. Remove the second row seat (see page 20-156).
4. Disconnect the floor wire harness 4P connector (A) from the satellite safing sensor.



5. Remove the TORX bolt (B) using a TORX T30 bit, then remove the satellite safing sensor (C).

### Installation

1. Install the new satellite safing sensor with the TORX bolt (A) then connect the floor wire harness 4P connector (B) to the satellite safing sensor (C).



2. Reconnect the negative cable to the battery.
3. After installing the satellite safing sensor, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Install all removed parts.

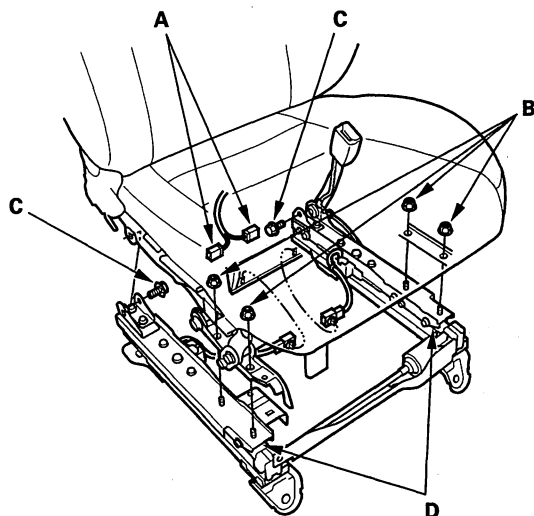


## Front Passenger's Weight Sensor Replacement

### Removal

NOTE: Removal of the front passenger's weight sensors must be performed according to the precautions/procedures described at the beginning of the SRS section (see page 24-20).

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the front passenger's seat assembly (see page 20-141).
3. Remove the front cover, recline cover, and center cover (see page 20-144).
4. Disconnect the sensor connector's (A) from the ODS unit harness, then remove the mounting nuts (B) and mounting bolts (C) from weight sensors (D).

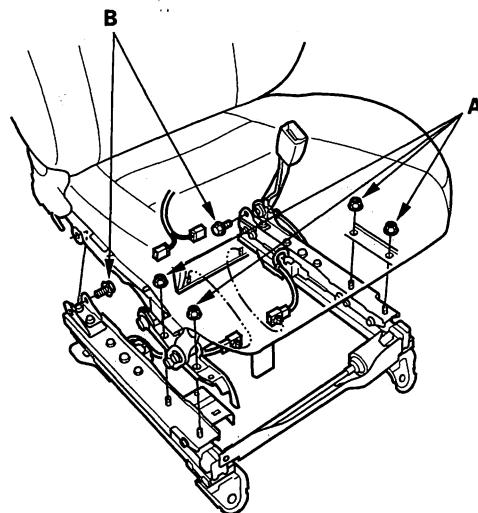


5. Disconnect the sensor connectors (D) from the ODS unit harness, then remove the front passenger's weight sensors.

### Installation

NOTE: Be sure to install the harness wires so they are not pinched or interfere with other parts.

1. Install the new front passenger's weight sensors with mounting nuts (A) and new mounting bolts (B) under the seat cushion.



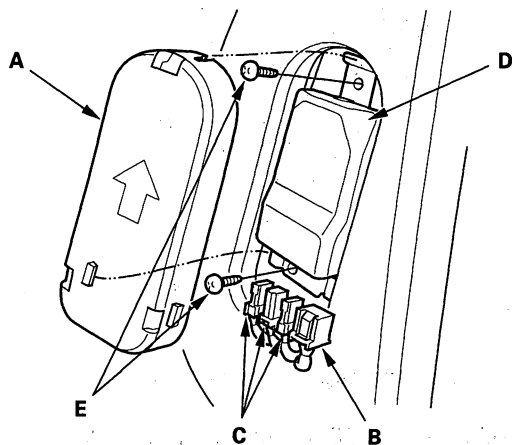
2. Reinstall the front passenger's seat (see page 20-141).
3. Reconnect the negative cable to the battery.
4. Calibrate the ODS unit (see page 24-34).
5. After installing the front passenger's weight sensors, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come ON for about 6 seconds and then go off.

## ODS Unit Replacement

NOTE: Review the seat replacement procedure (see page 20-141) before doing repairs or service.

### Removal

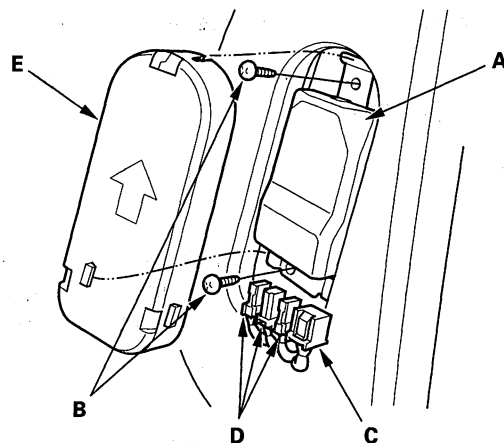
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the passenger's side airbag harness 2P connector (see step 4 on page 24-28).
3. Remove the passenger's seat assembly (see page 20-141) and seat-back cover (see page 20-150).
4. Remove the cover (A), then disconnect the ODS unit 18P connector (B) and sensor connectors (C) from the ODS unit (D).



5. Remove the two screws (E) and the ODS unit.

### Installation

1. Place the new ODS unit (A) on the seat-back frame. Tighten the two screws (B), and connect the ODS unit harness 18P connector (C) and sensor connectors (D) to the ODS unit. Reinstall the cover (E).



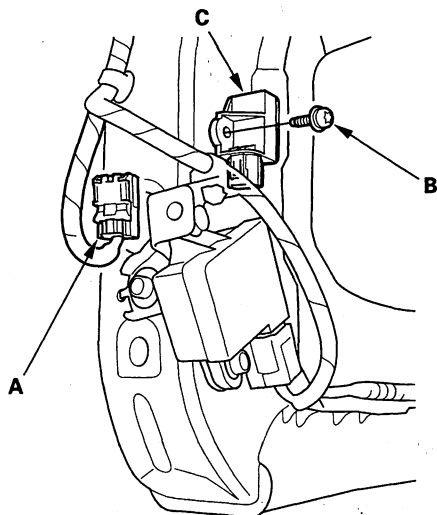
2. Install the seat-back cover in the reverse order of removal (see page 20-150).
3. Install the seat assembly (see page 20-141), then connect the side airbag harness 2P connector.
4. Reconnect the negative cable to the battery.
5. Set the seat-back in the normal position, and make sure there is nothing on the front passenger's seat.
6. Initialize the ODS unit (see page 24-33).
7. After installing the ODS unit, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.



## Front Impact Sensor Replacement

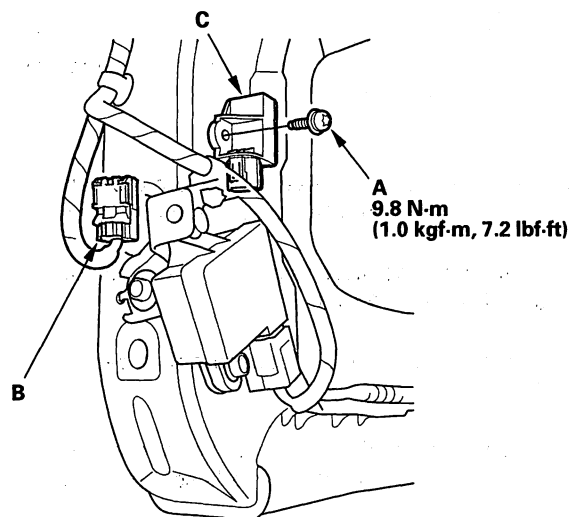
### Removal

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the driver's airbag 4P connector (see step 2 on page 24-28), the front passenger's airbag 4P connector (see step 3 on page 24-28), and both seat belt tensioner 4P connectors (see step 7 on page 24-29).
3. Remove the front bumper (see page 20-188).
4. Disconnect the left or right engine compartment wire harness 2P connector (A). Using a TORX T30 bit, remove the TORX bolts (B), then remove the front impact sensor (C).



### Installation

1. Install the new front impact sensor with a new TORX bolts (A), then connect the left or right engine compartment wire harness 2P connector (B) to the front impact sensor (C).



2. Reconnect the negative cable to the battery.
3. After installing the front impact sensor, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Reinstall all removed parts.

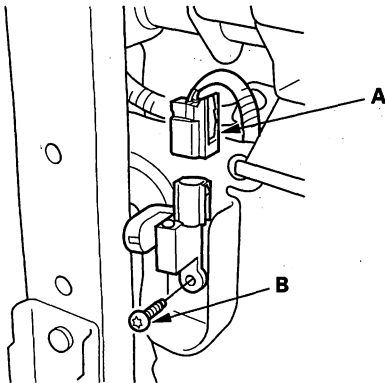
## Driver's Seat Position Sensor Replacement

### Removal

#### NOTE:

- Removal of the driver's seat position sensor must be performed according to the precautions/procedures described at the beginning of SRS section (see page 24-20).
- Do not turn the ignition switch ON (II), and do not connect the battery cable while removing the driver's seat position sensor.

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the driver's airbag 4P connector (see step 2 on page 24-28).
3. Remove the driver's seat assembly (see page 20-141).
4. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat position sensor.



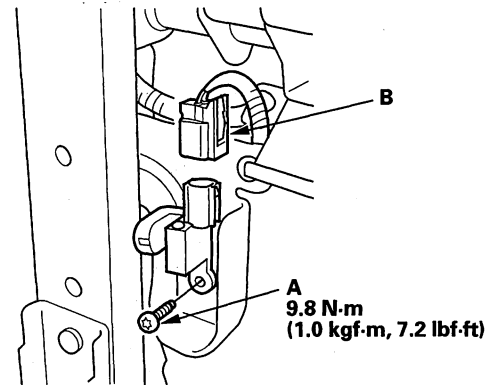
5. Using a TORX T30 bit, remove the TORX bolt (B), then remove the driver's seat position sensor.

### Installation

#### NOTE:

- Be sure to install the harness so it does not pinched or interfere with other parts.
- Do not turn the ignition switch ON (II), and do not connect the battery cable while installing the driver's seat position sensor.
- After installing the driver's seat position sensor, make sure it is clean. Keep it away from dust.

1. Install the new driver's seat position sensor with a TORX bolt (A), then connect the driver's seat wire harness 2P connector to the driver's seat position sensor (B).

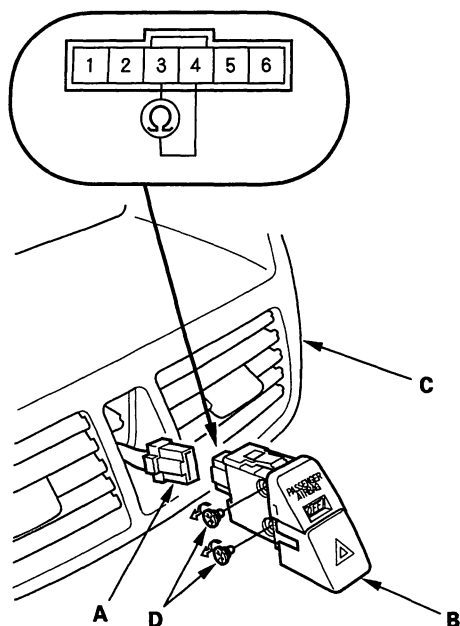


2. Install the driver's seat assembly (see page 20-141).
3. Reconnect the negative cable to the battery.
4. Check the operation of the driver's seat position sensor with the HDS (see page 24-36).



## Passenger's Airbag Cutoff Indicator Illumination Bulb Test

1. Remove the dashboard center panel (see page 20-121).
2. Disconnect the 6P connector (A) from the passenger's airbag cutoff indicator (B).



3. Push out the passenger's airbag cutoff indicator from behind the center panel (C).
4. Check for continuity between the No. 3 and No. 4 terminals of the indicator. If there is no continuity, replace the bulbs (D).

**NOTE:** Both illumination bulbs are connected in parallel. If there is continuity, remove the lower, hazard switch illumination bulb, and recheck for continuity. If there is no continuity, replace the upper, passenger's airbag cutoff indicator illumination bulb.

5. Reinstall the parts in the reverse order of removal.