

Restraints

Restraints

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Seat Belts

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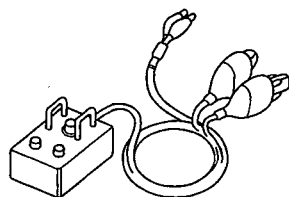
Restraints

Special Tools

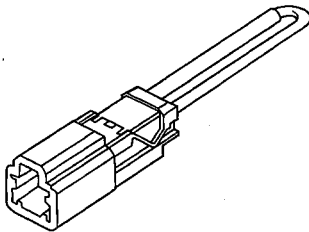
Ref. No.	Tool Number	Description	Qty
① *1	07HAZ-SG00500	Deployment Tool	1
②	07PAZ-001010A	SCS Service Connector	1
③	07SAZ-TB4011A	SRS Inflator Simulator	1
④ *2	07TAZ-001020A	Backprobe Adapter, 17 mm	2
⑤	070AZ-SNAA100	SRS Simulator Lead J	1
⑥	070AZ-SNAA200	SRS Simulator Lead K	1
⑦	070AZ-SNAA300	SRS Simulator Lead L	1
⑧	070AZ-SAA0100	SRS Short Cancellor	2

* 1: Included in SRS Tool Set 07MAZ-SM5000B

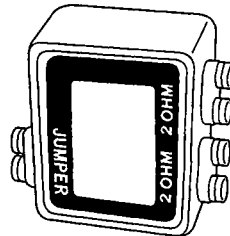
* 2: Use with the stacking patch cords from T/N 07SAZ-001000A, Backprobe Set.



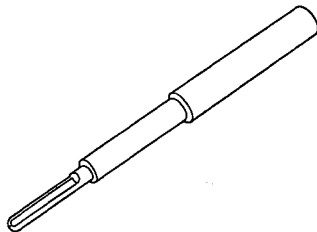
①



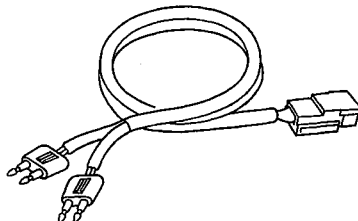
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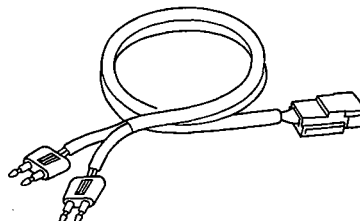
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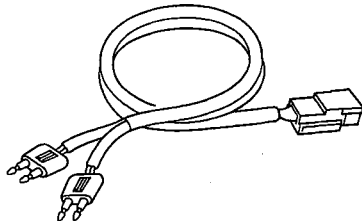
④



⑤



⑥



⑦



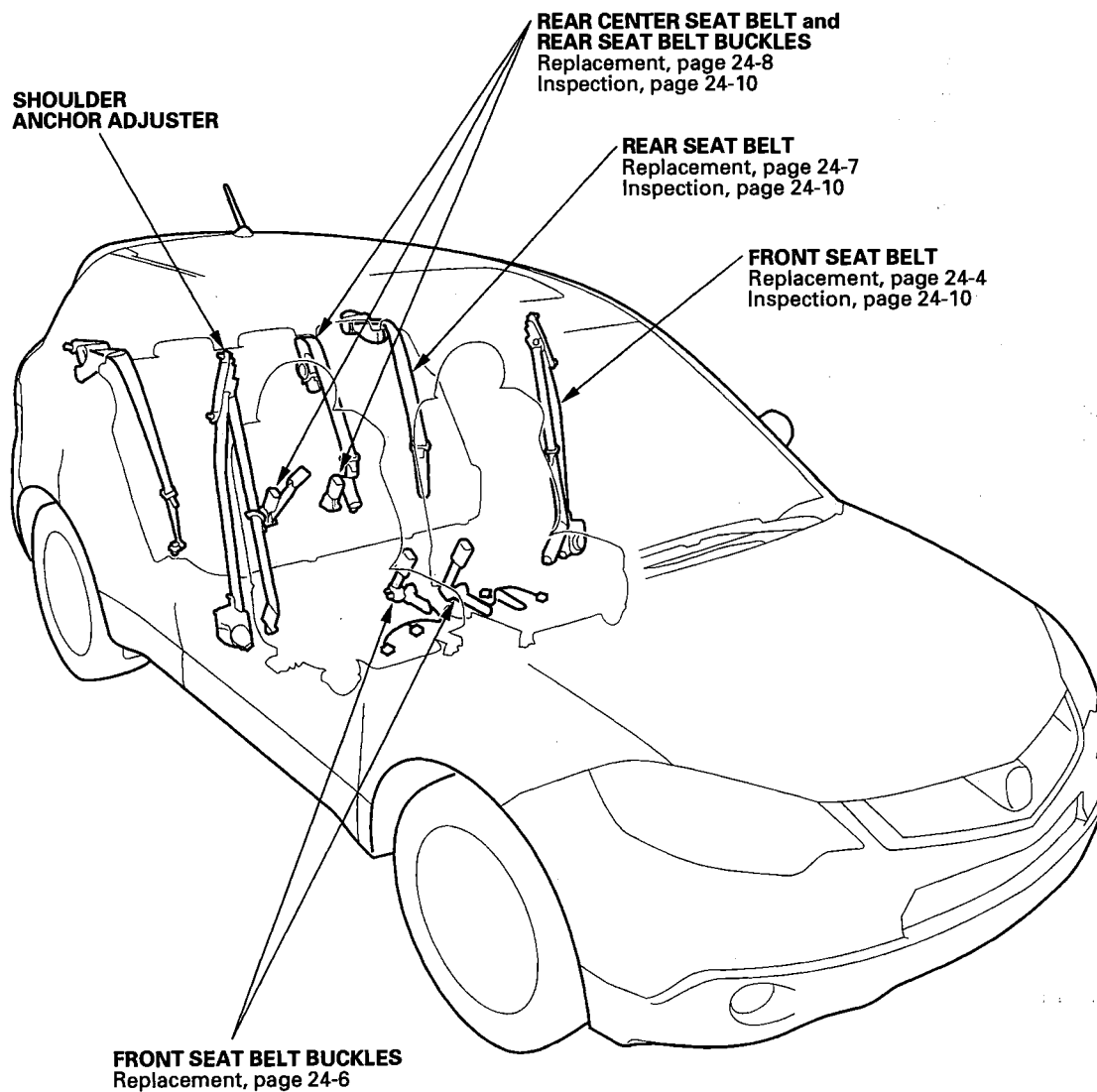
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Seat Belts



Component Location Index



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Seat Belts

Front Seat Belt Replacement

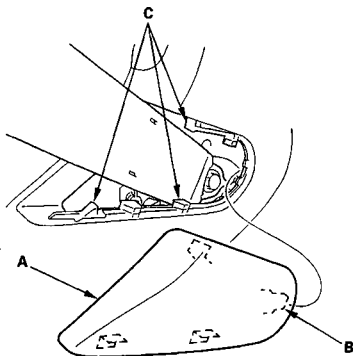
SRS components are located in this area. Review the SRS component locations (see page 24-12) and the precautions and procedures (see page 24-14) before doing repairs or service.

NOTE: Check the front seat belts for damage (see page 24-10), and replace them if necessary.

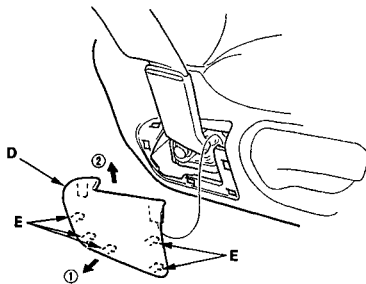
Front Seat Belt

1. Make sure you have the anti-theft codes for the audio and the navigation system (if equipped), then write down the audio presets.
2. Slide the front seat forward fully, then move to lowest position (driver's seat). Remove the anchor cover (A).
3. Slide the front seat forward fully, then move it to the lowest position (driver's seat).
Driver's seat: Carefully push in on the bottom edge of the anchor cover (A) to replace the lock tab (B) then slide the cover up to replace the hooks (C), and remove the cover.
Passenger's seat: Carefully pry up on the bottom edge of the anchor cover (D) to release the hooks (E), and remove the cover.

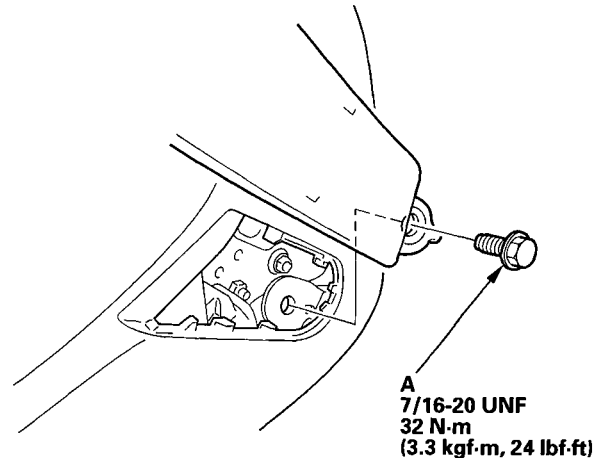
Driver's seat



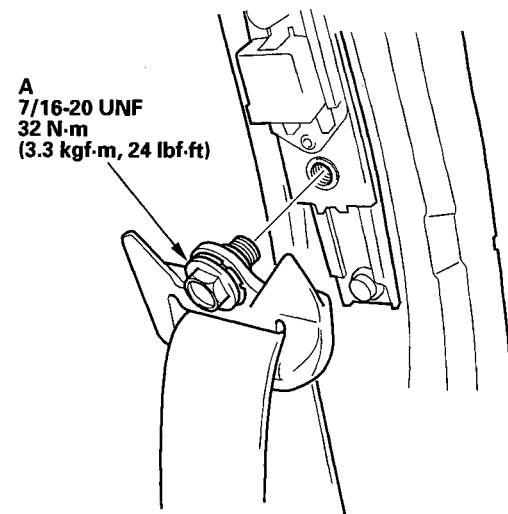
Passenger's seat



4. Remove the lower anchor bolt (A).

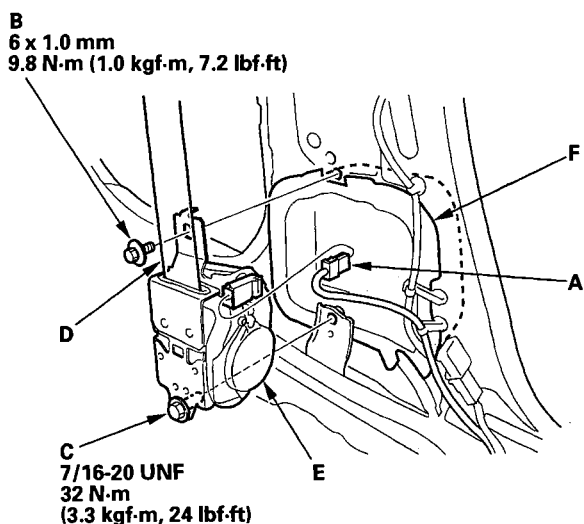


5. Remove the B-pillar lower trim (see page 20-72).
6. Remove the B-pillar upper trim and slider (see page 20-72).
7. Remove the upper anchor bolt (A).

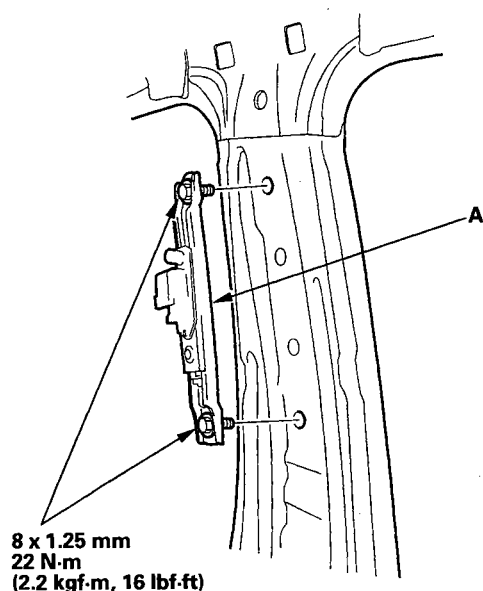




8. Disconnect the seat belt tensioner connector (A). Remove the upper retractor mounting bolt (B) and the lower retractor bolt (C), then remove the front seat belt (D) and retractor (E).



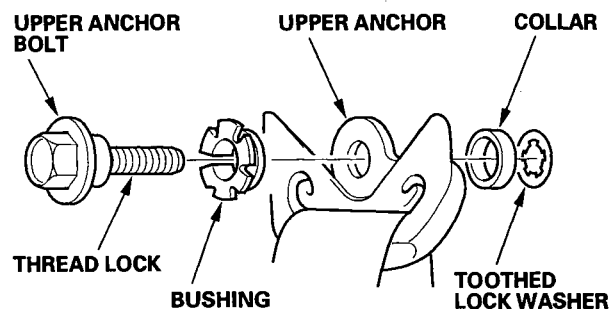
9. If necessary, remove the front seat belt protector (F).
10. Remove the shoulder anchor adjuster (A).



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 24-10).
- 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 is properly plugged in.
- Reconnect the negative cable to the battery.
- Enter the anti-theft codes for the audio or navigation system, then enter the audio presets.
- Set the clock.
- Check for any DTCs that may have been set during repairs, and clear them.

Upper anchor bolt installation



(cont'd)

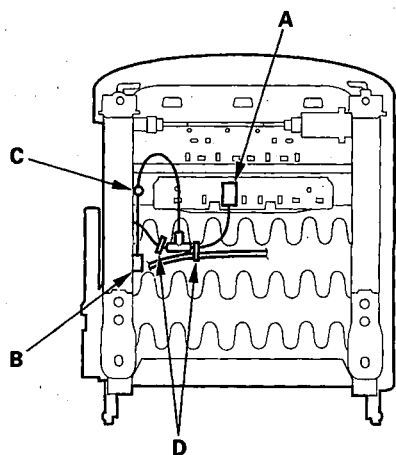
Seat Belts

Front Seat Belt Replacement (cont'd)

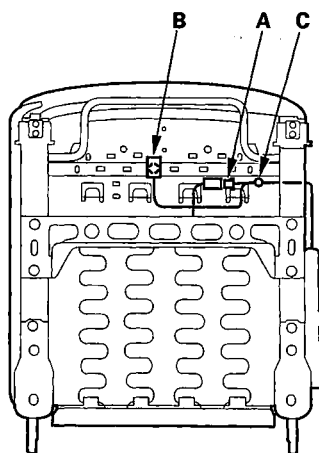
Front Seat Belt Buckle

1. Make sure you have the anti-theft code for the audio and the navigation system (if equipped), and then write down the audio presets.
2. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
3. Remove the front seat (see page 20-118).
4. Lift up the front seat, then detach the seat belt switch connector (A) and seat belt buckle tensiometer connector (B), detach the harness clip (C), and release the harness band (D).

Driver's seat

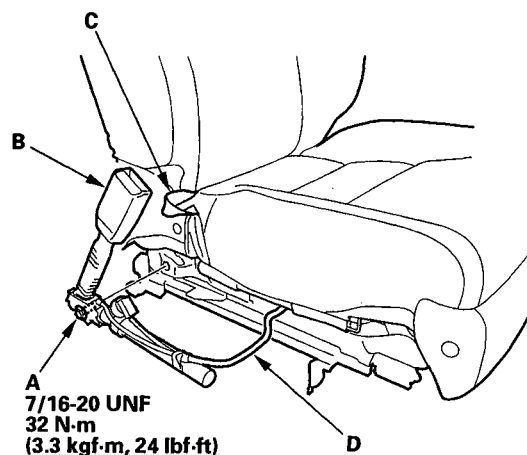


Passenger's seat

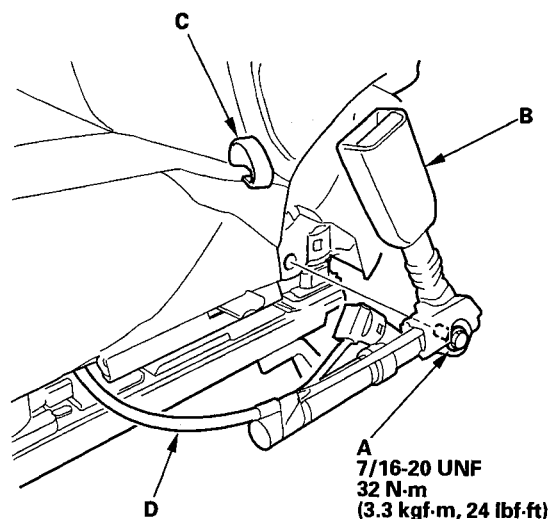


5. Remove the center anchor bolt (A), then remove the seat belt buckle (B) from the elastic band (C).

Driver's seat



Passenger's seat



6. Pull the seat belt switch harness (D) out through the space between the seat cushion and the seat track (driver's seat), or through the hole in the seat track (passenger's seat).

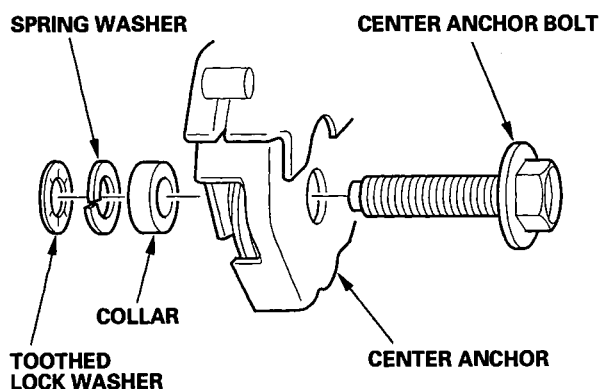


Rear Seat Belt Replacement

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

- Assemble the washers, collar 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 switch connector and seat belt buckle tensioner connector are plugged in properly.
- Reconnect the negative cable to the battery.
- Enter the anti-theft codes for the audio or the navigation system, and then enter the audio presets.
- Set the clock.
- Check for any DTCs that may have been set during repairs, and clear them.

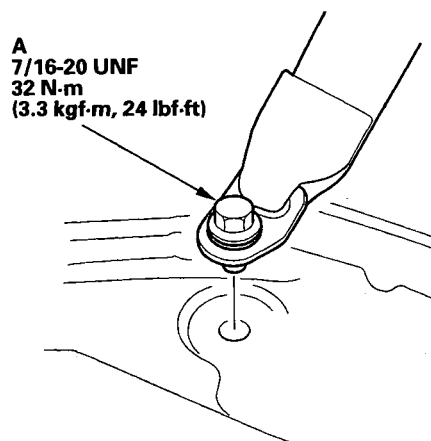
Center anchor bolt installation



NOTE: Check the second row seat belts for damage, and replace them if necessary. Be careful not to damage them during removal and installation.

Rear Seat Belt

1. Pull on the front of the seat cushion, then tilt the seat cushion forward.
2. Remove the rear door sill trim (see page 20-68).
3. Pull the carpet back, and remove the lower anchor bolt (A).



4. Remove these items:

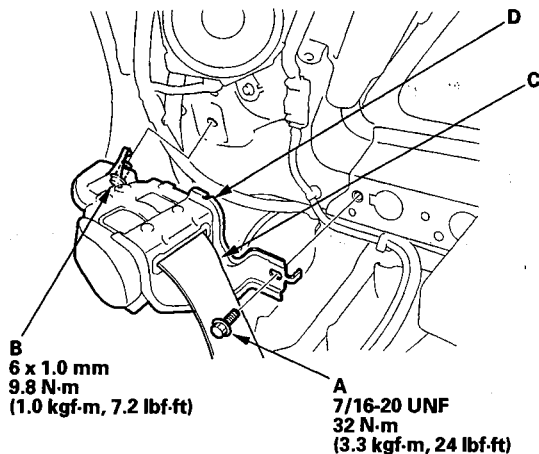
- Rear seat-back, fold down (see page 20-137)
- Rear seat side bolsters, both sides (see page 20-138)
- Cargo area side trim panel, both sides (see page 20-76)

(cont'd)

Seat Belts

Rear Seat Belt Replacement (cont'd)

5. Remove the front retractor bolt (A) and rear retractor bolt (B), then remove the rear seat belt (C) and retractor (D).

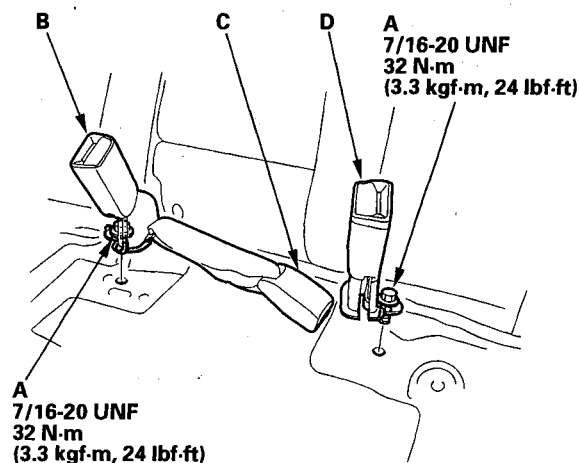


6. Install the rear seat belt and retractor in the reverse order of removal, and note these items:

- Apply medium strength type liquid thread lock to the anchor bolts before reinstallation.
- Check that the retractor locking mechanism functions as described (see page 24-10).
- Before installing the anchor bolt, make sure there are no twists or kinks in the rear seat belt.

Center Seat Belt and Seat Belt Buckle

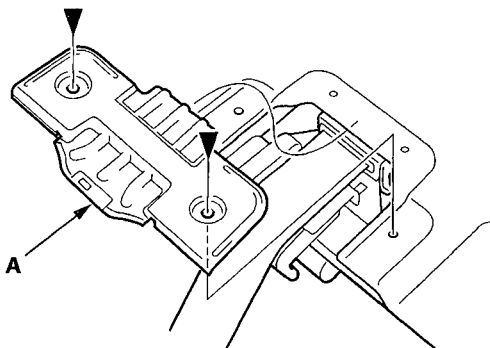
1. Pull up on the front of the rear seat cushion, then tilt the rear seat cushion forward. Pull back the carpet as needed.
2. Remove the center anchor bolts (A), then remove the right seat belt buckle (B), center seat belt buckle (C), and left seat belt buckle (D).



3. Remove the left seat-back (see page 20-137).
4. Remove the rear seat-back cover (see page 20-139).
5. Remove the screws, then remove the lid (A) on the seat back frame.

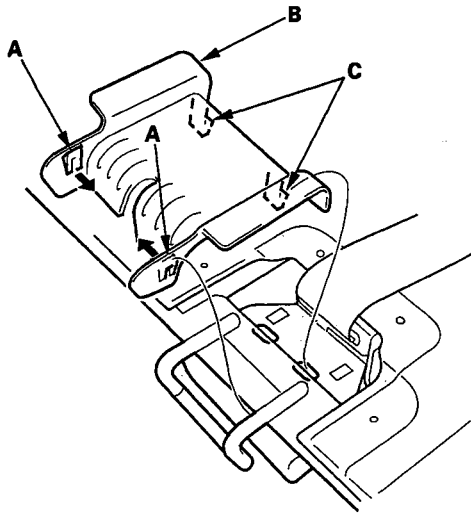
Fastener Locations

►: Screw, 2





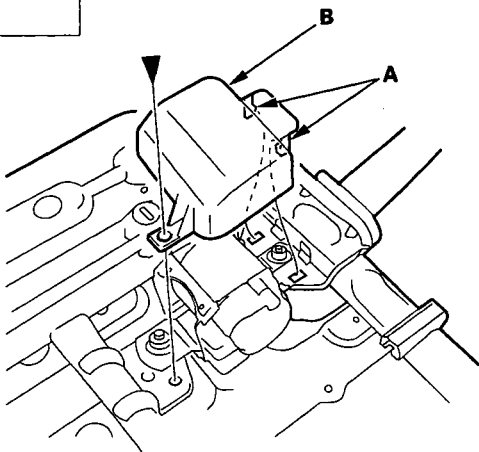
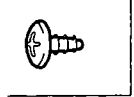
6. Push in the tabs (A) and pull the belt guide trim (B) to release the hooks (C), then remove it.



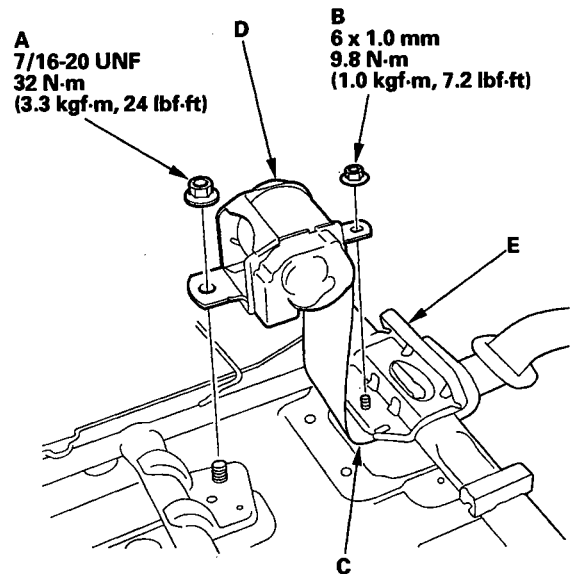
7. Remove the screw, and detach the hooks (A) by pulling the protector (B), then remove it.

Fastener Location

► : Screw, 1



8. Remove the retractor mounting nut (A) and the retractor nut (B), then remove the center seat belt (C) and retractor (D) from the seat-back frame (E).



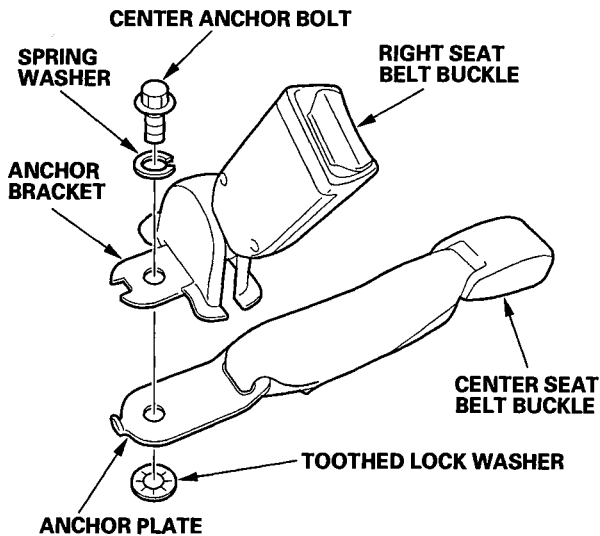
Seat Belts

Rear Seat Belt Replacement (cont'd)

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

- Apply medium strength type liquid thread lock to the center 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 24-10).
- Assemble the washers on the center anchor bolt as shown.
- Before installing the center anchor bolt, make sure there are no twists or kinks in the center belt.
- Make sure the rear center ELR (emergency locking retractor) is pointing straight forward.
- When installing the rear seat cushion, make sure the seat belt buckles come out from the space of the cushions.

Center anchor bolt installation



Inspection

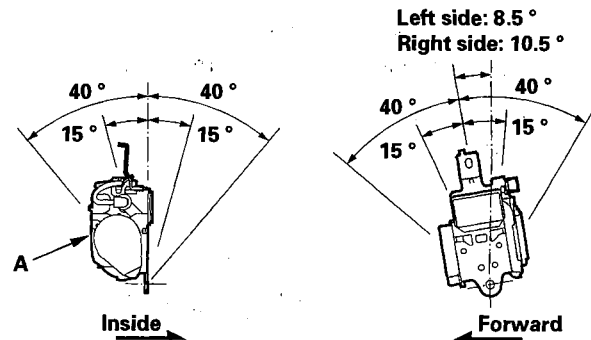
Out of Vehicle

For front seat belt retractor with seat belt tensioner, review the SRS component locations (see page 24-12) and the precautions and procedures (see page 24-14) before doing repairs or service.

Retractor

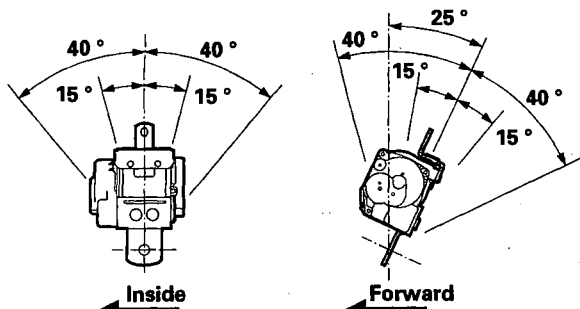
1. Before installing the retractor, check that the seat belt can be pulled out freely.
2. Make sure that the seat belt does not lock when the retractor (A) is leaned slowly up to 15° from the mounted position. The seat belt should lock when the retractor is leaned over 40° . Do not attempt to disassemble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

Front

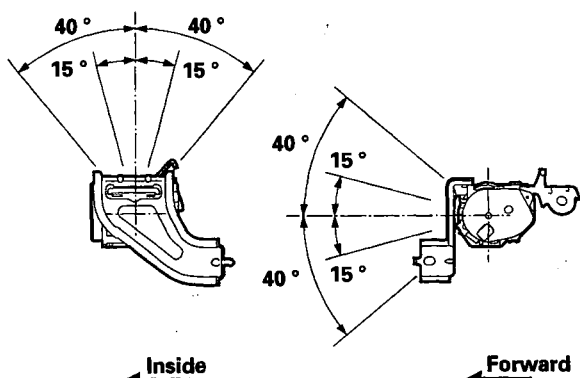




Rear center



Rear



3. Replace the seat belt with a new assembly if does not function properly. 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.

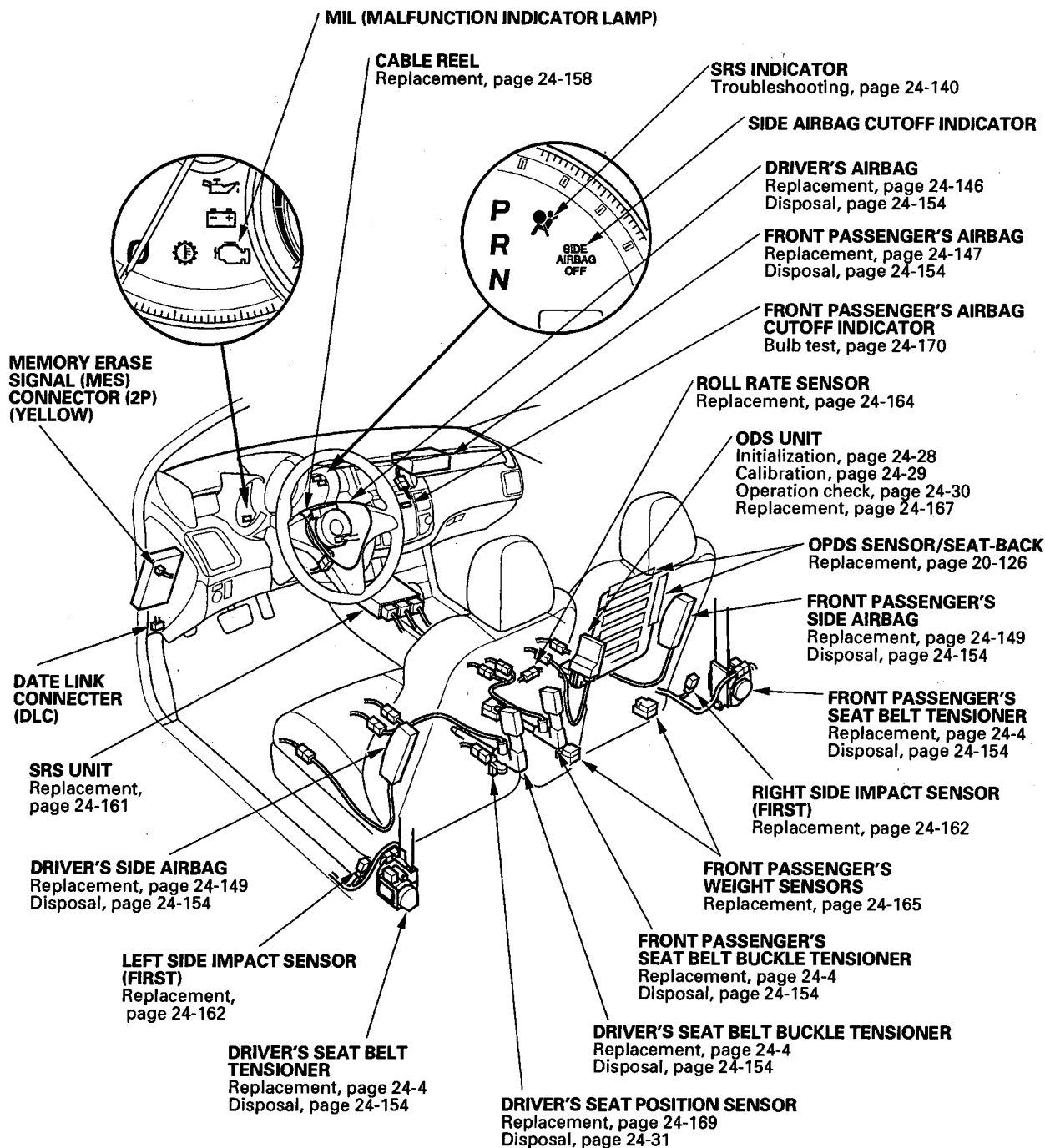
4. Check that the seat belt does not lock when pulled out slowly. The seat belt is designed to lock only during a sudden stop or impact.
5. Make sure that the seat belt will retract automatically when released.
6. For front passenger's seat belt and all rear seat belts, check the seat belt retractor locking mechanism ALR (automatic locking retractor). This function is for securing child seats.

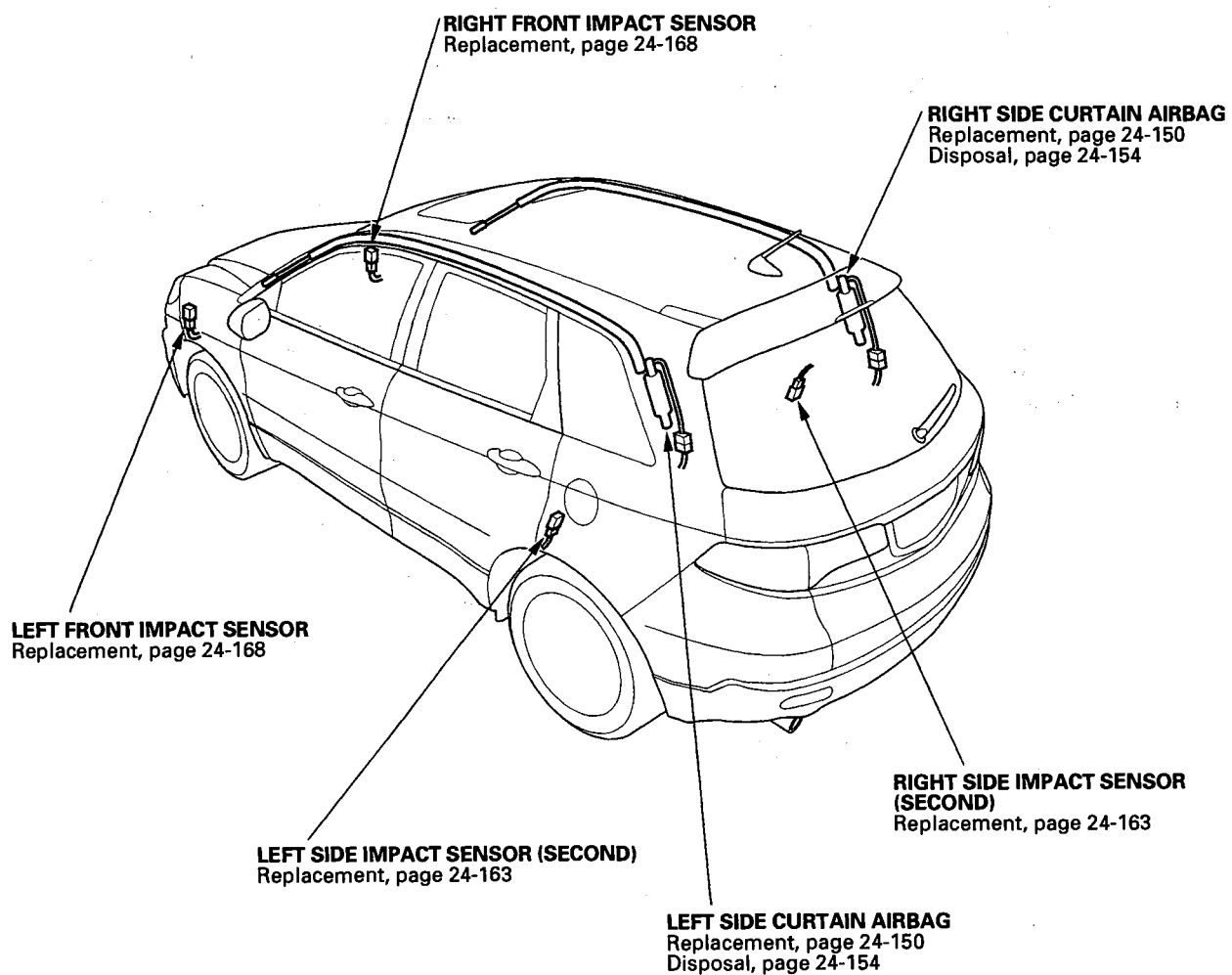
-1 Pull the seat belt all the way out to engage the ALR. The seat belt should retract with a ratcheting sound, but not extend. This is normal.

-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.

Component Location Index



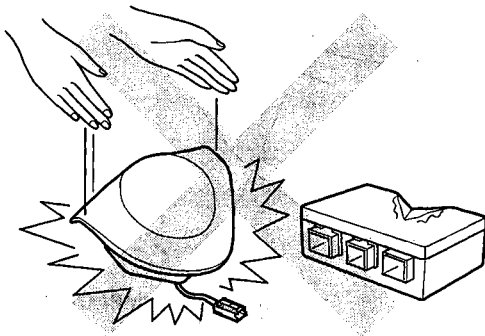


Precautions and Procedures

General Precautions

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

- Except when performing 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 and navigation system have a coded theft protection circuit. Be sure to get the anti-theft codes and write down the audio presets before disconnecting the negative cable from the battery.
- Before returning the vehicle to the customer, enter the audio and the navigation code (if equipped), then enter the audio presets; set the clock.

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 24-160).
 - 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.

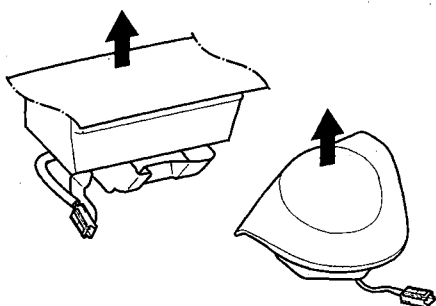


Airbag Handling and Storage

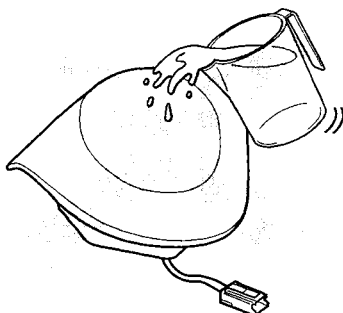
Do not disassemble an airbag. It has no serviceable parts. Once an airbag has been deployed, it cannot be repaired or reused.

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

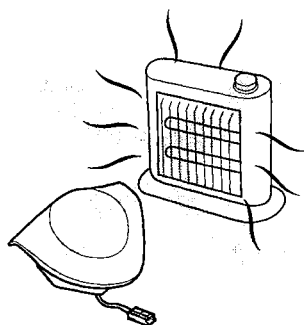
- Store the removed airbag with the pad surface up. Never put anything on the airbag.



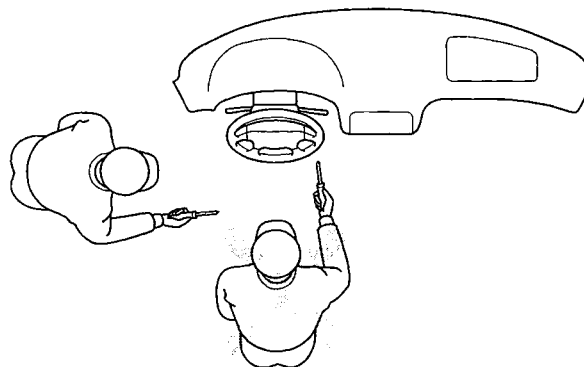
- To prevent damage to the airbag, keep it away from any oil, grease, detergent, or water.



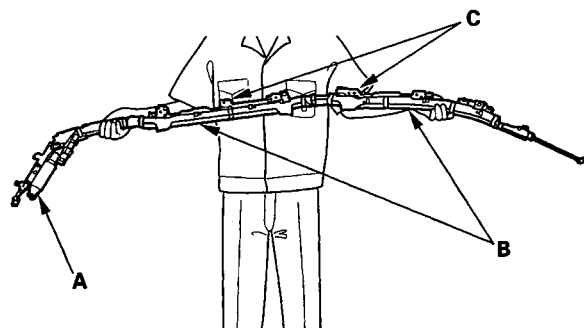
- Store the removed airbag on a secure, flat surface away from any high heat source (exceeding 200 °F/ 93 °C).



- Never perform electrical inspections to 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 24-154).
- The side curtain airbag inflator assembly is a long, jointed part containing an inflator (A), a flexible bag (B), and brackets (C).



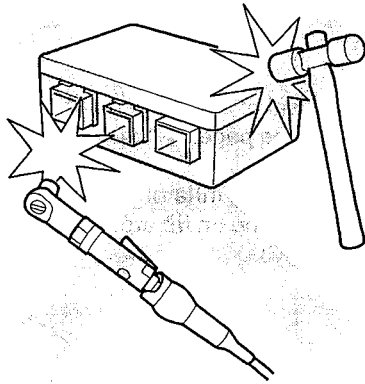
- When removing or installing the side curtain airbag inflator assembly, never handle the flexible bag (B).

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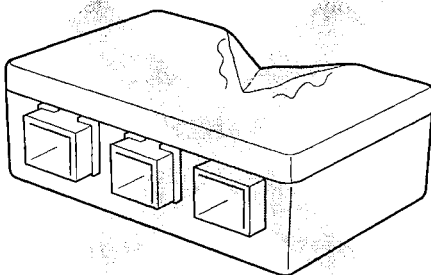
Precautions and Procedures (cont'd)

SRS Unit, Impact Sensors, Driver's Seat Position Sensor, Front Passenger's Weight Sensors, and Roll Rate Sensor

- Be careful not to bump or impact the SRS unit, front impact sensors, side impact sensors, or the roll rate sensor whenever 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, the side impact sensors, or the roll rate sensor. The airbags could accidentally deploy and cause damage or injury.



- After a collision in which the airbags, the side airbags, the side curtain airbags, or the seat belt tensioners were deployed, go to component replacement/inspection after deployment (see page 24-143). After a collision during which the airbags, the side airbags, or the side curtain airbags did not deploy, inspect for any damage or any deformation on the SRS unit, front impact sensors, the side impact sensors, and the roll rate sensor. If there is any damage, replace the SRS unit and/or the sensors.



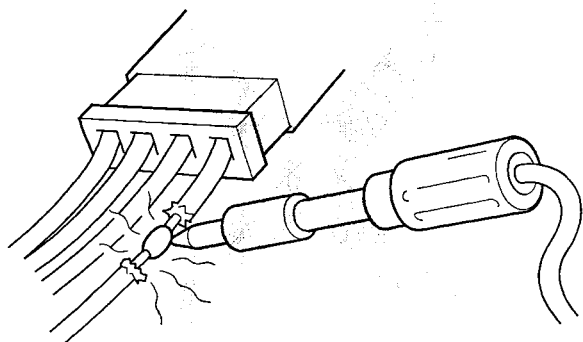
- Do not disassemble the SRS unit, front impact sensors, side impact sensors, driver's seat position sensor, front passenger's weight sensors, or the roll rate sensor.
- Turn the ignition switch OFF, disconnect the negative cable from the battery and wait at least 3 minutes before beginning installation or replacement of the SRS unit, or disconnecting the connectors from the SRS unit and any SRS component.
- Be sure the SRS unit, front impact sensors, side impact sensors, and the roll rate sensor 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, side impact sensors, and the roll rate sensor in a cool (less than 104 °F/40 °C) and dry (less than 80 % relative humidity, no moisture) area.



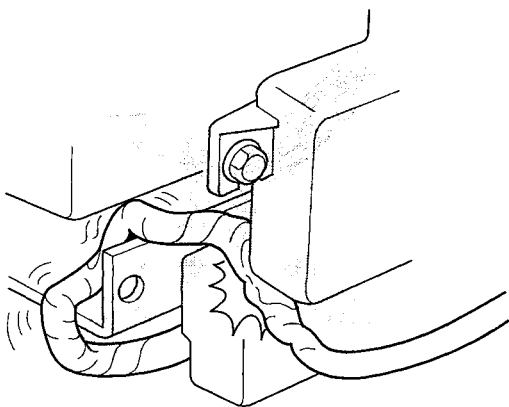
Wiring Precautions

Some of the SRS wiring can be identified by special yellow outer covering, and 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.



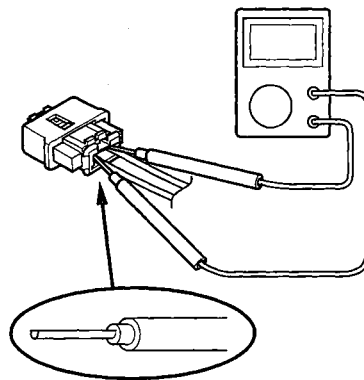
- Be sure to install the harness wires so they do not get pinched or interfere with other parts.



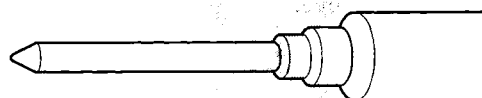
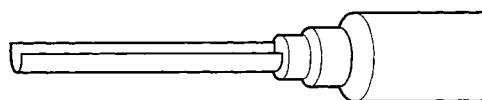
- Make sure all SRS ground locations are clean, and grounds are securely fastened for optimum metal-to-metal contact. Poor grounding can cause intermittent problems that are difficult to diagnose.

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)

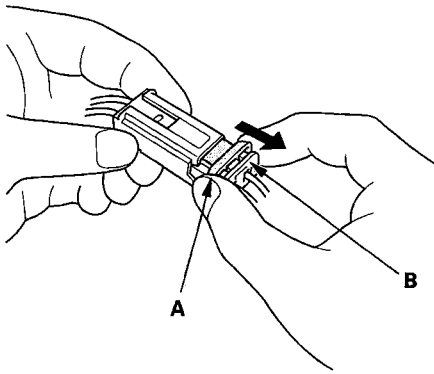
Spring-loaded Lock Connector

Some SRS system connectors have a spring-loaded lock.

Front Airbag Connectors

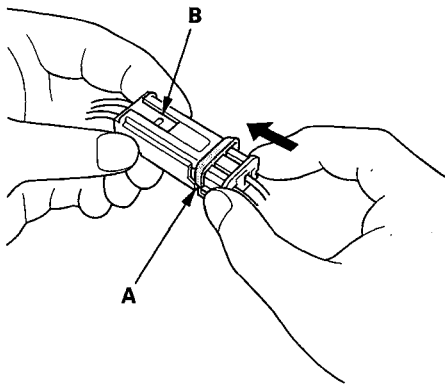
Disconnecting

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

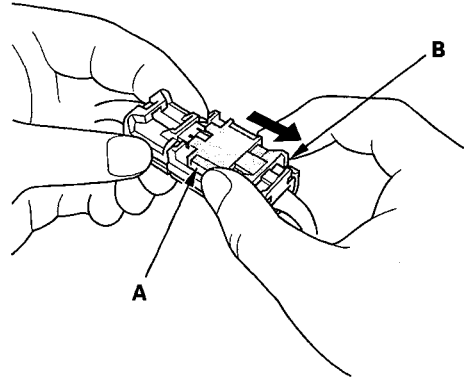
To reconnect, hold the pawl-side connector, and press on the back of the sleeve-side connector in the direction shown. As the two connector halves are pressed together, the sleeve (A) is pushed back by the pawl (B). Do not touch the sleeve.



Side Airbag Connector

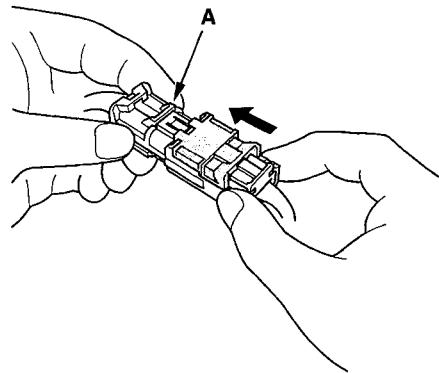
Disconnecting

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 (A) of the sleeve-side connector clicks.





Opening the SRS Unit Shorting Connectors for Diagnosis

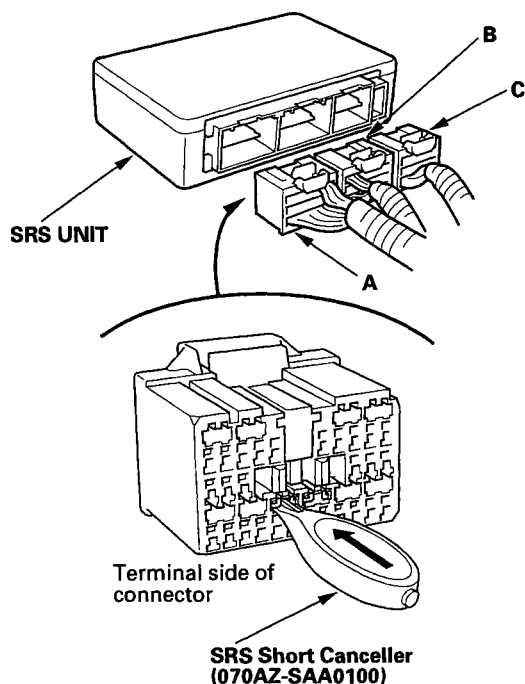
Special Tools Required

SRS short canceller 070AZ-SAA0100

NOTE:

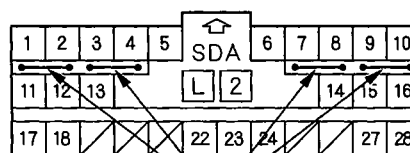
- To prevent damage of the connector cavity, insert the short canceller straight into the cavity from the terminal side.
- Before installing the short canceller, wash it with electric contact cleaner or neutral detergent, then air blow dry it.
- Do not use the short canceller if it is damaged.
- Make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

When the SRS unit connectors A, B or C 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 when diagnosis is performed on the system. Insert the short canceller (T/N 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.

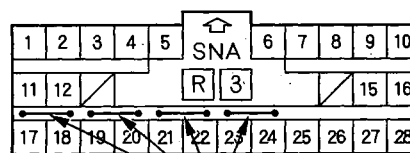
SRS UNIT CONNECTOR A (28P)



Insert short canceller(s) here.

Wire side of female terminals

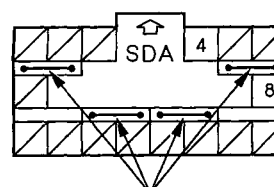
SRS UNIT CONNECTOR B (28P)



Insert short canceller(s) here.

Wire side of female terminals

SRS UNIT CONNECTOR C (16P)



Insert short canceller(s) here.

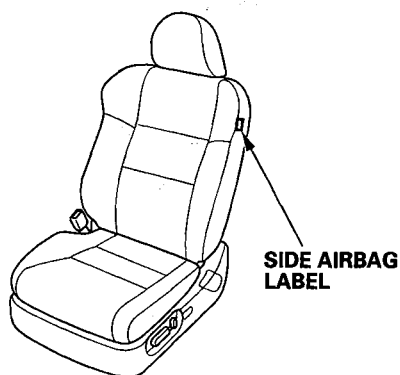
Wire side of female terminals

(cont'd)

Precautions and Procedures (cont'd)

Seats with Side Airbags

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



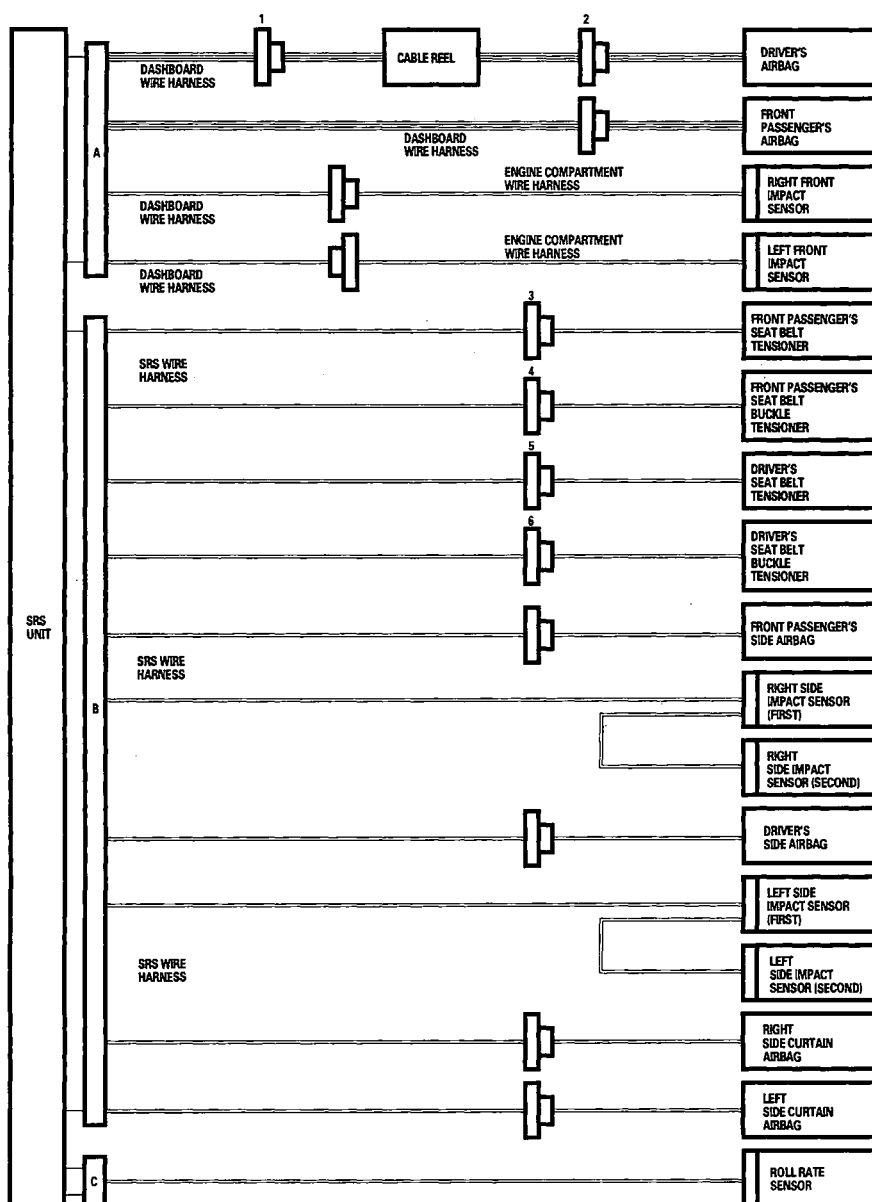
- When cleaning, do not saturate the seat with liquid, and do not spray steam on the seat.
- Do not repair a torn or frayed seat-back cover. Replace the seat-back cover.
- After a collision in which the side airbag was deployed, replace the side airbag and seat frame with new parts. If the seat-back 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 SRS unit, disconnect both seat belt tensioner 4P connectors and both seat belt buckle tensioner 4P connectors (3, 4, 5, 6).



(cont'd)

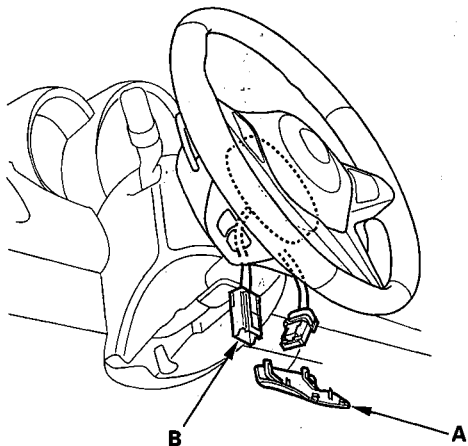
BACK

Precautions and Procedures (cont'd)

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

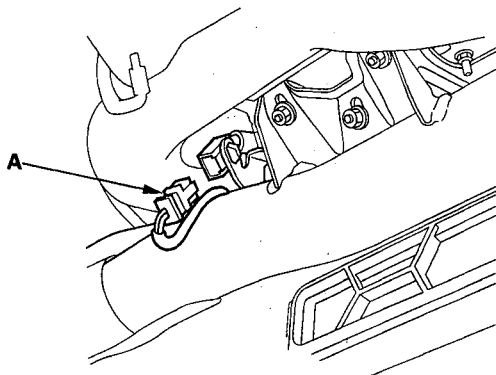
Driver's Airbag

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



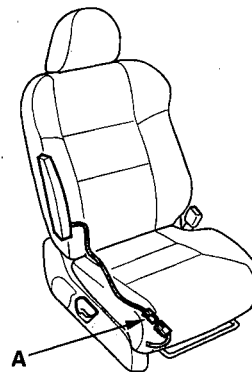
Front Passenger's Airbag

3. Remove the glove box (see page 20-104).
4. Remove the dashboard upper panel (see page 20-106).
5. Disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag.



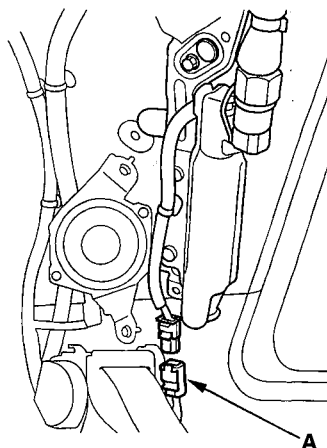
Side Airbag

6. Disconnect the side airbag 2P connectors (A) from the SRS wire harness.



Side Curtain Airbag

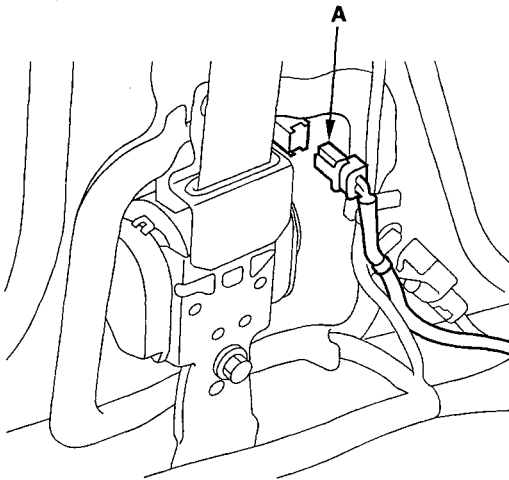
7. Remove the headliner (see page 20-85).
8. Disconnect both SRS wire harness 2P connectors (A) from the side curtain airbags.





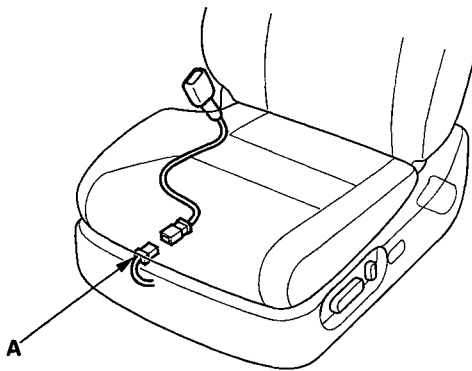
Seat Belt Tensioner

9. Remove the front and rear door sill trim (see page 20-66).
10. Remove the B-pillar lower trim (see page 20-69), then disconnect both SRS wire harness 4P connectors (A) from the seat belt tensioners.



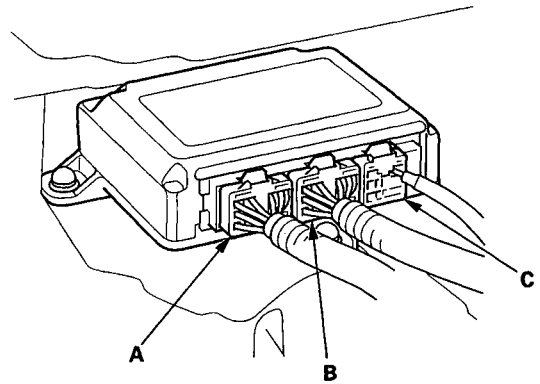
Seat Belt Buckle Tensioner

11. Disconnect both SRS wire harness 4P connectors (A) from the seat belt buckle tensioner.



SRS Unit

12. Disconnect both seat belt tensioner connectors and both seat belt buckle tensioner connectors.
13. Remove the center console (see page 20-92).
14. Disconnect SRS unit connector A (28P), SRS unit connector B (28P) and SRS unit connector C (16P) 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 will remain 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).
- The "x" at the end of each DTC denotes a numeric character (0 thru 9) or an alpha character (A thru F) that is displayed on the HDS.
- DTCs are either latching or resetting depending on the malfunction. With resetting DTCs, the SRS indicator will go 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 will 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.

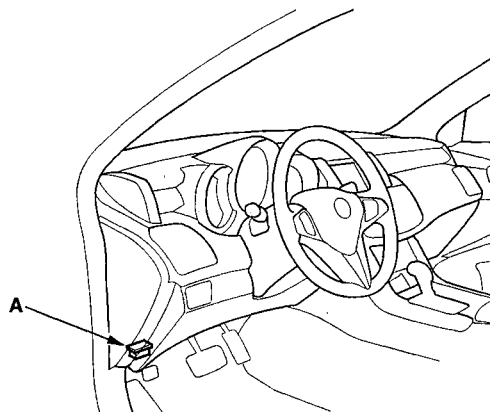
Precautions

- 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, both seat belt tensioner connectors, and both seat belt buckle 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).

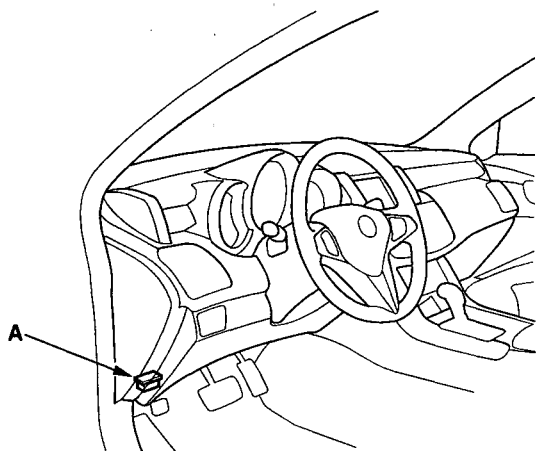


3. Turn the ignition switch ON (II).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-229).
5. Use the HDS to check for DTCs.
6. Read and record the DTC.
7. Turn the ignition switch OFF, and wait for 10 seconds.
8. Disconnect the HDS from the DLC.
9. Do the troubleshooting procedure for the DTC.



Erasing the DTC Memory with HDS

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



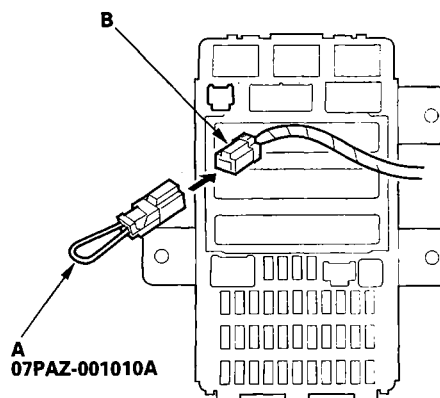
3. Turn the ignition switch ON (II).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not, troubleshoot the DLC circuit (see page 11-229).
5. In the SRS MENU of the HDS, select SRS, then DTC to erase DTC(s).
6. Turn the ignition switch OFF, and wait for 10 seconds.
7. Disconnect the HDS from the DLC.

Erasing the DTC Memory Using the MES Connector without the HDS

Special Tools Required
SCS Service Connector 07PAZ-001010A

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, 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: Make sure the battery connections are good and the battery is sufficiently charged.

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 check 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.

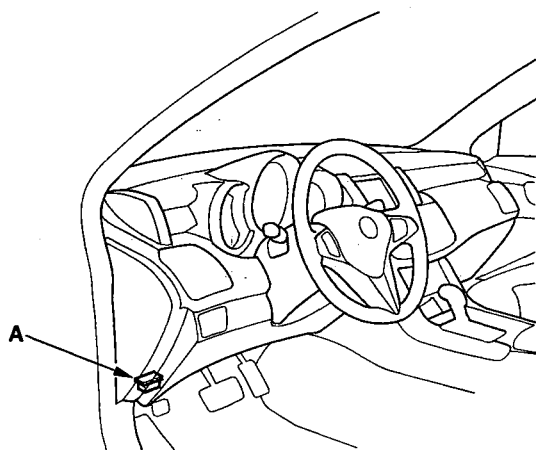
NOTE: A faulty cable reel can cause intermittent DTCs related to the driver's airbag.

7. If you cannot duplicate the intermittent failure, the system is OK at this time.



Checking the Front Passenger's 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 the seat from this position.
2. Drive the vehicle, accelerate to 20 mph (36 km/h), then stop on level ground.



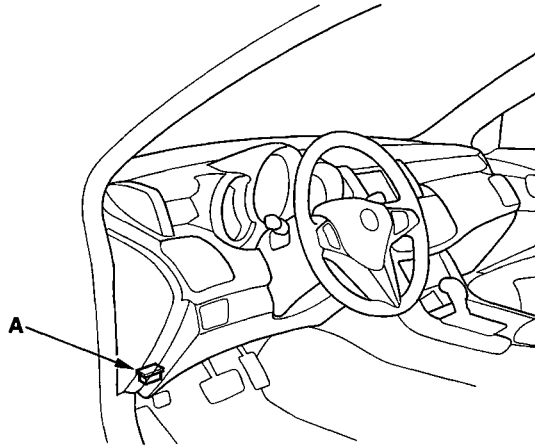
3. Connect the HDS to the data link connector (DLC) (A).
4. From the SRS inspection menu, select Seat Weight Sensor, then Misc Test, then "SEAT OUTPUT CHK." and follow the prompts until the ODS operation check has been completed.

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 ODS sensor can cause DTC 85-71 and 85-78.

1. Erase the DTC memory (see page 24-25).
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 communicate, troubleshoot the DLC circuit (see page 11-229).
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 (foam pad) and retry. If the ODS system continues to fail to initialize, replace the ODS unit (see page 24-167).



ODS Unit Calibration

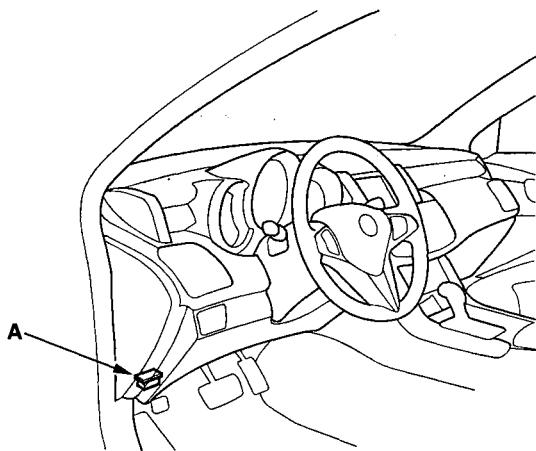
When you replace the front passenger's weight sensors or the ODS unit, calibrate the ODS.

While calibrating the front passenger's weight sensor 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.
- Keep the windows closed.
- Perform 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 until 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 this position.

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 communicate, troubleshoot the DLC circuit (see page 11-229).

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 is complete.

ODS Unit Operation Check

Check the ODS operation after any of these actions.

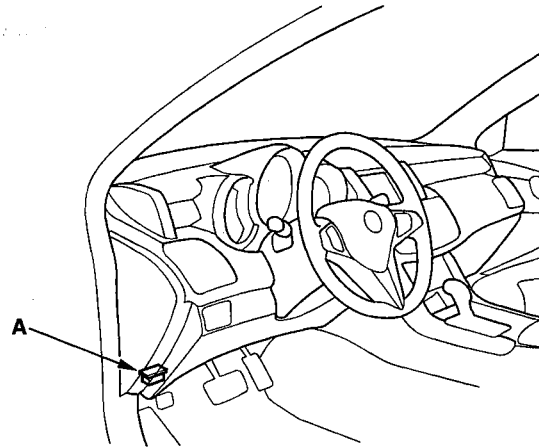
- Replacement of front passenger's seat component(s) (except ODS unit and/or weight sensors)
- After a vehicle collision

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.
- Perform 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 front passenger's seat during the calibration.
- Do not expose the front passenger's seat to sudden temperature changes.

After Replacing Front Passenger's Seat Component(s)

1. Make sure the ignition switch is OFF.
2. Connect the HDS to the data link connector (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 communicate, troubleshoot the DLC circuit (see page 11-229).
5. Drive the vehicle, accelerate to 20 mph (36 km/h), then stop on level ground.
6. From the HDS Main Menu, select SRS, then Misc Test, then Inspection. In the HDS Inspection Menu, select "SEAT OUTPUT CHK." The weight (T0) of the front passenger's seat is recorded by the HDS.

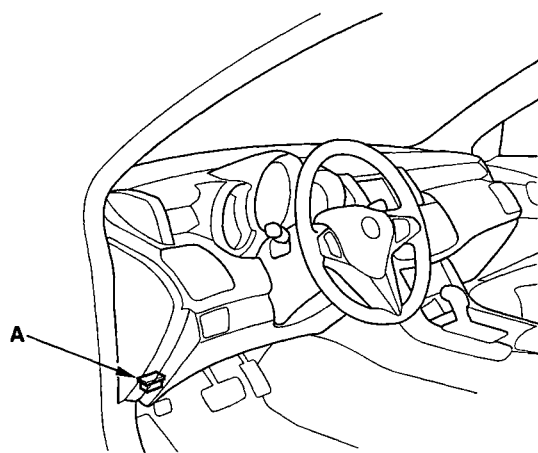


Driver's Seat Position Sensor Operation Check

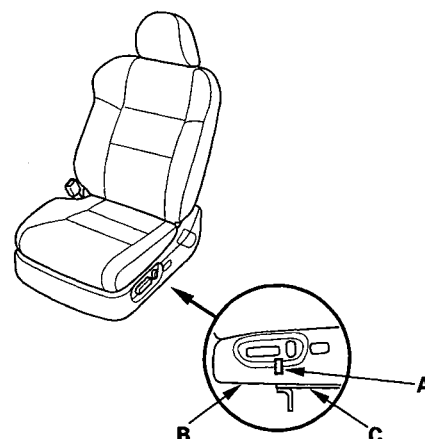
Check the driver's seat position after any of these actions.

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

1. Make sure the 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 communicate, troubleshoot the DLC circuit (see page 11-229).
5. Move the seat all the way forward.
6. From the HDS Main Menu, select SRS then Parameter Information, then Buckle Switch, Seat Position Sensor.
7. Using a piece of tape (A), mark a line 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."



8. 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.

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

DTC Troubleshooting Index

DTC	Latch ^{*1}	Reset ^{*2}	Detection Item	Notes
11-11		X	Open in driver's airbag first inflator	(see page 24-48)
11-21			Increased resistance in driver's airbag first inflator	
11-31			Short to another wire or decreased resistance in driver's airbag first inflator	(see page 24-49)
11-41			Open in driver's airbag second inflator	(see page 24-48)
11-51			Increased resistance in driver's airbag second inflator	
11-61			Short to another wire or decreased resistance in driver's airbag second inflator	(see page 24-49)
11-81	X		Short to power in driver's airbag first inflator	(see page 24-51)
11-91			Short to ground in driver's airbag first inflator	(see page 24-52)
11-A1			Short to power in driver's airbag second inflator	(see page 24-51)
11-B1			Short to ground in driver's airbag second inflator	(see page 24-52)
12-11		X	Open in front passenger's airbag first inflator	(see page 24-54)
12-21			Increased resistance in front passenger's airbag first inflator	
12-31			Short to another wire or decreased resistance in front passenger's airbag first inflator	(see page 24-55)
12-41			Open in front passenger's airbag second inflator	(see page 24-54)
12-51			Increased resistance in front passenger's airbag second inflator	
12-61			Short to another wire or decreased resistance in front passenger's airbag second inflator	(see page 24-55)
12-81	X		Short to power in front passenger's airbag first inflator	(see page 24-56)
12-91			Short to ground in front passenger's airbag first inflator	(see page 24-57)
12-A1			Short to power in front passenger's airbag second inflator	(see page 24-56)
12-B1			Short to ground in front passenger's airbag second inflator	(see page 24-57)
21-11		X	Open in driver's seat belt tensioner	(see page 24-58)
21-21			Increased resistance in driver's seat belt tensioner	
21-31			Short to another wire or decreased resistance in driver's seat belt tensioner	(see page 24-59)
21-81			Short to power in driver's seat belt tensioner	(see page 24-60)
21-91		X	Short to ground in driver's seat belt tensioner	(see page 24-61)
22-11			Open in front passenger's seat belt tensioner	(see page 24-62)
22-21			Increased resistance in front passenger's seat belt tensioner	
22-31			Short to another wire or decreased resistance in front passenger's seat belt tensioner	(see page 24-63)
22-81	X		Short to power in front passenger's seat belt tensioner	(see page 24-64)
22-91			Short to ground in front passenger's seat belt tensioner	(see page 24-65)
27-11		X	Open in driver's seat belt buckle tensioner	(see page 24-66)
27-21			Increased resistance in driver's seat belt buckle tensioner	
27-31			Short to another wire or decreased resistance in driver's seat belt buckle tensioner	(see page 24-67)
27-81			Short to power in driver's seat belt buckle tensioner	(see page 24-68)
27-91		X	Short to ground in driver's seat belt buckle tensioner	(see page 24-69)
28-11			Open or in front passenger's seat belt buckle tensioner	(see page 24-70)
28-21			Increased resistance in front passenger's seat belt buckle tensioner	
28-31			Short to another wire or decreased resistance in front passenger's seat belt buckle tensioner	(see page 24-71)
28-81	X		Short to power in front passenger's seat belt buckle tensioner	(see page 24-72)
28-91			Short to ground in front passenger's seat belt buckle tensioner	(see page 24-73)
31-11		X	Open in driver's side airbag inflator	(see page 24-74)
31-21			Increased resistance in driver's side airbag inflator	
31-31			Short to another wire or decreased resistance in driver's side airbag inflator	(see page 24-75)
31-81			Short to power in driver's side airbag inflator	(see page 24-76)
31-91		X	Short to ground in driver's side airbag inflator	(see page 24-77)
32-11			Open in front passenger's side airbag inflator	(see page 24-78)
32-21			Increased resistance in front passenger's side airbag inflator	
32-31			Short to another wire or decreased resistance in front passenger's side airbag inflator	(see page 24-79)
32-81	X		Short to power in front passenger's side airbag inflator	(see page 24-80)
32-91			Short to ground in front passenger's side airbag inflator	(see page 24-81)



DTC	Latch ^{*1}	Reset ^{*2}	Detection Item	Notes
33-11		X	Open in left side curtain airbag inflator	(see page 24-82)
33-21			Increased resistance in left side curtain airbag inflator	
33-31			Short to another wire or decreased resistance in left side curtain airbag inflator	(see page 24-83)
33-81	X		Short to power in left side curtain airbag inflator	(see page 24-84)
33-91			Short to ground in left side curtain airbag inflator	(see page 24-85)
34-11		X	Open in right side curtain airbag inflator	(see page 24-86)
34-21			Increased resistance in right side curtain airbag inflator	(see page 24-87)
34-31			Short to another wire or decreased resistance in right side curtain airbag inflator	
34-81	X		Short to power in right side curtain airbag inflator	(see page 24-88)
34-91			Short to ground in right side curtain airbag inflator	(see page 24-89)
41-11		X	No signal from the left front impact sensor	(see page 24-90)
41-21			Internal failure of the left front impact sensor	(see page 24-96)
41-81				
41-91				
41-A1				
41-B1				
41-B2				
42-11		X	No signal from the right front impact sensor	(see page 24-93)
42-21			Internal failure of the right front impact sensor	(see page 24-96)
42-81				
42-91				
42-A1				
42-B1				
42-B2				
43-11		X	No signal from the left side impact sensor (first)	(see page 24-97)
43-21			Internal failure of the left side impact sensor (first)	(see page 24-102)
43-81				
43-91				
43-A1				
43-B1				
43-B2				
44-11		X	No signal from the right side impact sensor (first)	(see page 24-99)
44-21			Internal failure of the right side impact sensor (first)	(see page 24-102)
44-81				
44-91				
44-A1				
44-B1				
44-B2				
45-11		X	No signal from the left side impact sensor (second)	(see page 24-103)
45-21			Internal failure of the left side impact sensor (second)	(see page 24-108)
45-81				
45-91				
45-A1				
45-B1				
45-B2				
46-11		X	No signal from the right side impact sensor (second)	(see page 24-105)
46-21			Internal failure of the right side impact sensor (second)	(see page 24-108)
46-81				
46-91				
46-A1				
46-B1				
46-B2				

- * 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 is stored in the SRS unit.

(cont'd)

BACK

24-33

DTC Troubleshooting Index (cont'd)

DTC	Latch ^{*1}	Reset ^{*2}	Detection Item	Notes
51-xx		×	Internal failure of the SRS unit	(see page 24-109)
52-xx	×			
53-xx		×		
54-xx				
55-xx				
57-xx				
61-11		×	Open in driver's seat belt buckle switch	(see page 24-110)
61-21			Short in driver's seat belt buckle switch	(see page 24-113)
62-11			Open in front passenger's seat belt buckle switch	(see page 24-114)
62-21			Short in front passenger's seat belt buckle switch	(see page 24-117)
71-11			Open in driver's seat position sensor	(see page 24-119)
71-21			Short in driver's seat position sensor	(see page 24-120)
71-22			Short to power in driver's seat position sensor	(see page 24-122)
81-4x			Internal failure of the ODS unit	(see page 24-127)
81-61			No signal from ODS unit	(see page 24-123)
81-62			Non-stipulated response data	
81-63			Internal failure of the ODS unit	(see page 24-127)
81-64			ECU (ODS unit) serial ID code inconsistent/Internal failure of the ODS unit	
81-71			ODS unit does not calibrate	(see page 24-126)
81-78				
81-79			Front passenger's weight sensors drift check failure	(see page 24-127)



DTC	Latch ^{*1}	Reset ^{*2}	Detection Item	Notes
82-1x			No signal from the inner side front passenger's weight sensor	(see page 24-128)
83-2x			No signal from the outer side front passenger's weight sensor	(see page 24-128)
85-4x			Internal failure of the ODS unit	(see page 24-129)
85-61			No signal from ODS unit	(see page 24-123)
85-62			Non-stipulated response data	
85-63			Internal failure of the ODS unit	(see page 24-129)
85-64				
85-71			ODS unit not initialized	(see page 24-126)
85-78				
85-79			OPDS sensor drift check failure	(see page 24-129)
86-1x			Faulty OPDS seat-back sensor	(see page 24-130)
86-2x			Faulty OPDS seat support sensor	
92-11			Short to power in the passenger's airbag cutoff indicator	(see page 24-131)
92-21			Open or short to ground in the passenger's airbag cutoff indicator	(see page 24-132)
A1-11			Faulty power supply (VA line)	(see page 24-134)
A2-11			Faulty power supply (VB line)	(see page 24-135)
B1-11			No signal from the roll rate sensor	(see page 24-137)
B1-21			Internal failure of the roll rate sensor	(see page 24-139)
B1-81	X			
B1-91				
B1-A1				
B1-B1				
B1-B2				
E2-11			Front passenger's airbag does not deploy by SWS operation	(see page 24-109)
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 and seat belt buckle tensioner deployed	
F2-11			Front passenger's airbag and/or front passenger's seat belt tensioner and seat belt buckle tensioner deployed	
F3-11			Driver's side airbag, left side curtain airbag, and driver's seat belt tensioner deployed	
F4-11			Front passenger's side airbag, right side curtain airbag, and front passenger's seat belt tensioner deployed	
F5-11			Both or only one side curtain airbag, seat belt tensioner, and seat belt buckle tensioner deployed	
F6-11			Left side airbag or right side curtain airbag deployed	

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 is stored in the SRS unit.

(cont'd)

DTC Troubleshooting Index (cont'd)

When an OPDS sensor or seat weight sensor failure occurs, the DTC is stored by the SRS unit and the ODS unit. The ODS unit DTC is a subcode of the SRS unit DTC.

ODS Unit DTC Index

SRS Unit DTC	ODS Unit DTC	Detection Item	Notes
81-41	41-0x	Internal failure of the ODS unit	(see page 24-127)
	41-11		
82-1x	14-11	Short to power in the front inner side front passenger's weight sensor power circuit	(see page 24-128)
	14-12	Short to ground in the front inner side front passenger's weight sensor power circuit	
	14-13	Open in the front inner side front passenger's weight sensor signal line	
	14-14	Short in the front inner side front passenger's weight sensor signal line	
	15-3x	No signal from the front inner side front passenger's weight sensor	
	16-11	Short to power in the rear inner side front passenger's weight sensor power circuit	
	16-12	Short to ground in the rear inner side front passenger's weight sensor power circuit	
	16-13	Open in the rear inner side front passenger's weight sensor signal line	
	16-14	Short in the rear inner side front passenger's weight sensor signal line	
	17-3x	No signal from the rear inner side front passenger's weight sensor	
83-2x	24-11	Short to power in the front outer side front passenger's weight sensor power circuit	(see page 24-128)
	24-12	Short to ground in the front outer side front passenger's weight sensor power circuit	
	24-13	Open in the front outer side front passenger's weight sensor signal line	
	24-14	Short in the front outer side front passenger's weight sensor signal line	
	25-3x	No signal from the front outer side front passenger's weight sensor	
	26-11	Short to power in the rear outer side front passenger's weight sensor power circuit	
	26-12	Short to ground in the rear outer side front passenger's weight sensor power circuit	
	26-13	Open in the rear outer side front passenger's weight sensor signal line	
	26-14	Short in the rear outer side front passenger's weight sensor signal line	
	27-3x	No signal from the rear outer side front passenger's weight sensor	
85-4x	42-1x	Internal failure of the ODS unit	(see page 24-129)
	42-2x		
	43-3x		
	43-4x		
85-71	71-41	ODS unit does not calibrate	(see page 24-126)
	71-42	Inner side front passenger's weight sensor serial ID code inconsistent	
	71-43	Outer side front passenger's weight sensor serial ID code inconsistent	
	71-44	Inner side front passenger's weight sensor serial ID code inconsistent	
	71-45	Outer side front passenger's weight sensor serial ID code inconsistent	
	71-51	Faulty power supply of ODS unit	
	71-52	ODS unit does not calibrate	
	71-53	Communication error between ODS unit and front passenger's weight sensor	
	71-54	Communication error between ODS unit and front passenger's weight sensor	
	71-55	Unsuccessful ODS unit calibration	
	71-56	Unsuccessful ODS unit calibration	
	71-57	Unsuccessful ODS unit calibration	

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.



Symptom Troubleshooting Index

Symptom	Diagnostic procedure	Also check for
SRS indicator does not come on	Symptom Troubleshooting (see page 24-140)	
SRS indicator stays on, but no DTCs are stored	Symptom Troubleshooting (see page 24-140)	
Side airbag cutoff indicator stays on or is flashing	Symptom Troubleshooting (see page 24-141)	
Side airbag cutoff indicator is flashing	Check the DTC. If DTC indicated, go to the DTC troubleshooting	
Side airbag cutoff indicator does not come on	Check the DTC. If DTC indicated, go to the DTC troubleshooting	
Passenger's airbag cutoff indicator is flashing	Check the DTC. If DTC indicated, go to the DTC troubleshooting	
Passenger's airbag cutoff indicator stays on or comes on suddenly	Symptom Troubleshooting (see page 24-142)	
Passenger's airbag cutoff indicator does not come on	Check the DTC. If DTC indicated, go to the DTC troubleshooting	
HDS does not communicate with the SRS unit or the vehicle	Troubleshoot the DLC circuit (see page 11-229)	

System Description

SRS Components

Airbags

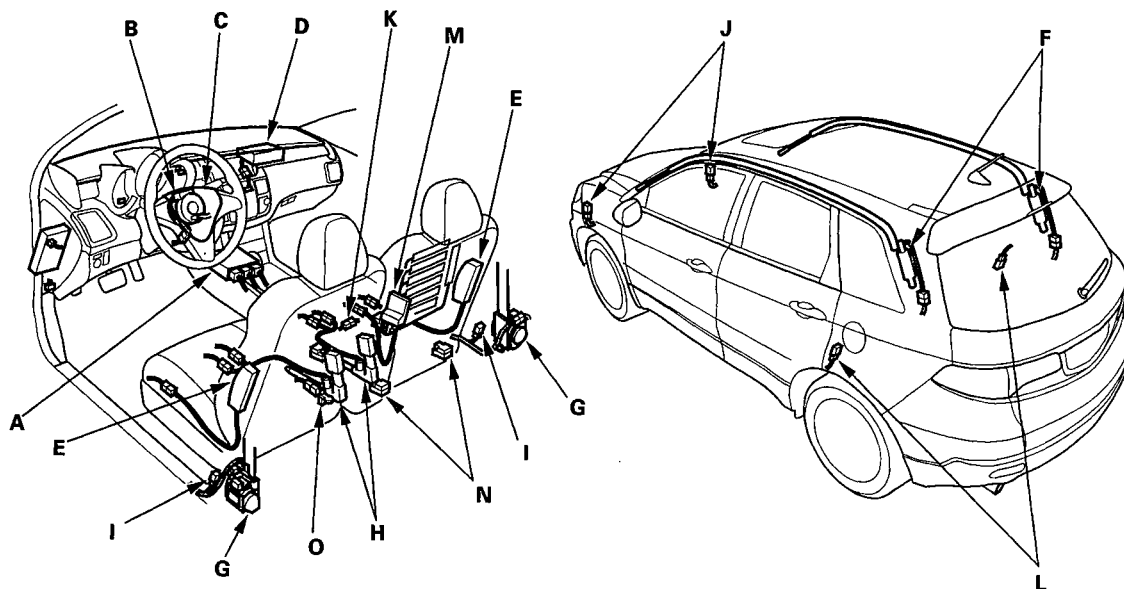
The SRS is a safety device which, when used with the seat belt, is designed to help protect the driver and front passenger in a frontal impact exceeding a certain set limit. The system consists of the SRS unit, including safing sensor and impact sensor (A), the cable reel (B), the driver's airbag (C),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





Roll Rate Sensor

The roll rate sensor is located under the front passenger's 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.

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. The OPDS sensor determines the front passenger's size and location, and it sends this information to the ODS unit. When the indicator comes on, 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 and Seat Belt Buckle Tensioners

- (1) A front impact sensor, side impact sensor, or the roll rate 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)

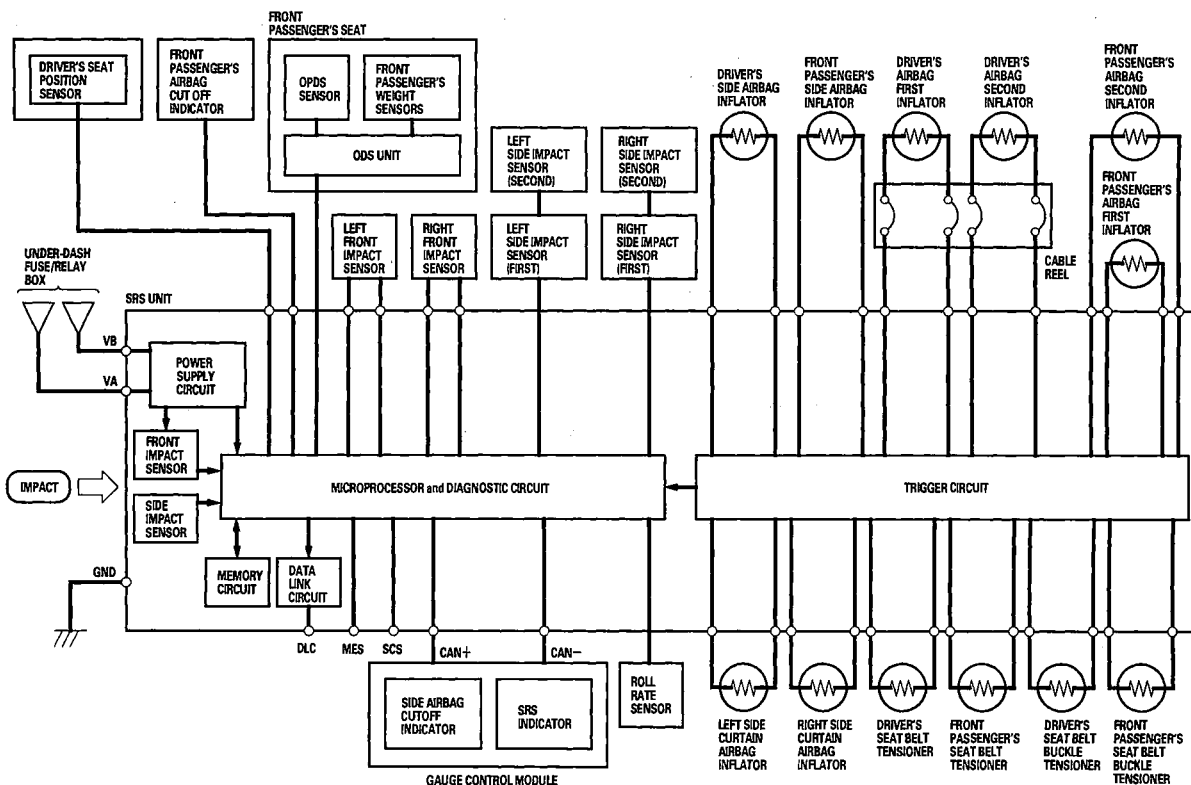
- (1) A side impact sensor must activate, and send electric signals to the microprocessor.
- (2) The microprocessor must compute the signals and send them to the side airbag inflator(s). However, the microprocessor cuts off the signals to the front passenger's side airbag if the SRS unit determines that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

Side Curtain Airbag(s)

- (1) Side impact sensor or the roll rate 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 received the signals must ignite and deploy the side curtain airbag and side airbag at the same time.

(cont'd)

System Description (cont'd)



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.

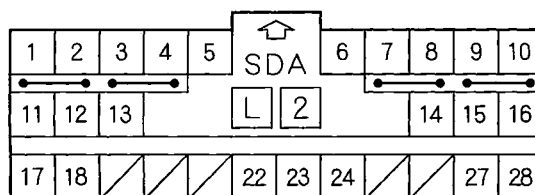
If the indicator does not come on, or does not go off after 6 seconds, or if it comes on while driving, it indicates an abnormality in the system. The system must be inspected and repaired as soon as possible.

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 (see page 24-24).

NOTE: Before you disconnect the negative cable from the battery for troubleshooting, make sure you have the anti-theft code for the audio or the navigation system. Write down the audio presets.



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



Wire side of female terminals

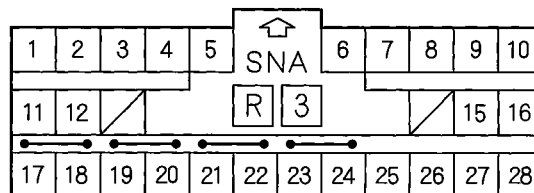
Terminal Number	Wire Color	Terminal Name	Description
1	GRN	LA2+	Power source for driver's airbag second inflator
2	PUR	LA2—	Ground for driver's airbag second inflator
3	LT GRN	RA2+	Power source for front passenger's airbag second inflator
4	LT BLU	RA2—	Ground for front passenger's airbag second inflator
5	LT GRN	MES	Memory delete signal input
6	ORN	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 front passenger's airbag first inflator
10	BLU	RA1—	Ground for front passenger's airbag first inflator
11	WHT	CAN HI	Sends and receives communication signal
12	RED	CAN LO	Sends and receives communication signal
13	BLU	PTT	Front passenger's airbag cutoff indicator output line
14	LT BLU	ODS	Sends and receives communication signal
15	BRN	LFS—	Ground for left front impact sensor
16	LT BLU	RFS—	Ground for right front impact sensor
17	WHT	VA	SRS system sub power (common with ODS)
18	RED	VB	SRS dedicated power (dedicated booster circuit)
19	—	Not used	—
20	—	Not used	—
21	—	Not used	—
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
25	—	Not used	—
26	—	Not used	—
27	RED	LFS+	Power source for left front impact sensor
28	GRN	RFS+	Power source for right front impact sensor

(cont'd)

BACK

System Description (cont'd)

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

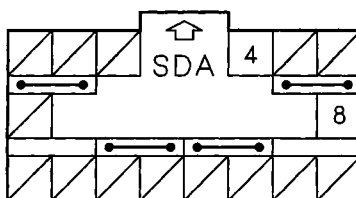


Wire side of female terminals

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	PNK	SS—	Ground for driver's seat position sensor
6	RED	SS+	Power source for driver's seat position sensor
7	ORN	LBP+	Power source for driver's buckle tensioner
8	GRN	LBP—	Ground for driver's buckle tensioner
9	YEL	RBP+	Power source for front passenger's buckle tensioner
10	WHT	RBP—	Ground for front passenger's buckle tensioner
11	GRY	FLBC	Driver's seat belt buckle switch un-buckled signal
12	BLU	FLBO	Driver's seat belt buckle switch buckled signal
13	—	Not used	—
14	—	Not used	—
15	GRY	FRBC	Front passenger's seat belt buckle switch un-buckled signal
16	BLU	FRBO	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	LS1+	Power source for left side impact sensor (first) and left side impact sensor (second)
26	GRY	LS1—	Ground for left side impact sensor (first) and left side impact sensor (second)
27	BRN	RS1+	Power source for right side impact sensor (first), right side impact sensor (second)
28	LT GRN	RS1—	Ground for right side impact sensor (first), right side impact sensor (second)



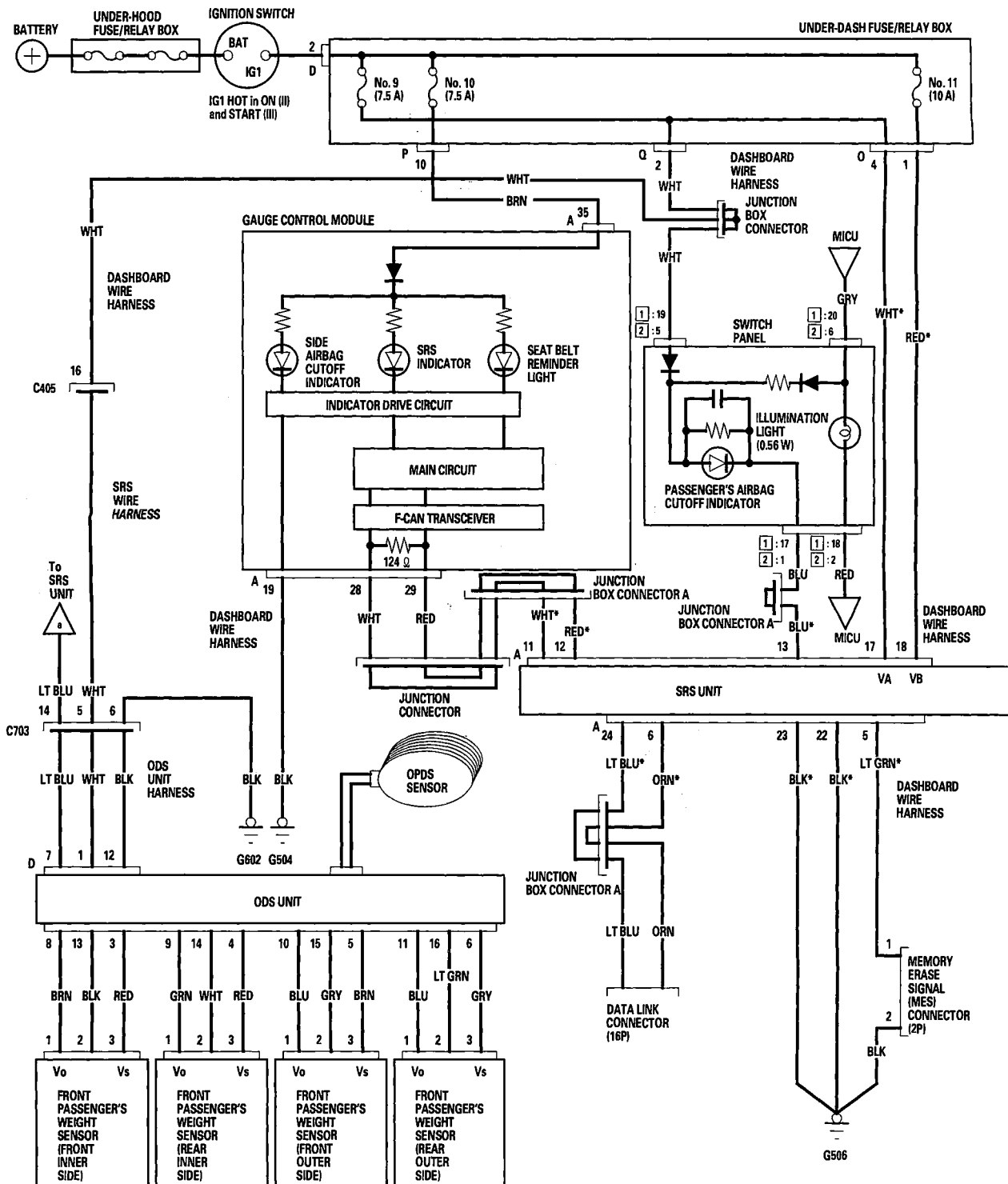
SRS Unit Inputs and Outputs at Connector C (16P)



Wire side of female terminals

Terminal Number	Wire Color	Terminal Name	Description
1	---	Not used	---
2	---	Not used	---
3	---	Not used	---
4	BLU	RRS-	Ground for roll rate sensor
5	---	Not used	---
6	---	Not used	---
7	---	Not used	---
8	RED	RRS+	Power source for roll rate sensor
9	---	Not used	---
10	---	Not used	---
11	---	Not used	---
12	---	Not used	---
13	---	Not used	---
14	---	Not used	---
15	---	Not used	---
16	---	Not used	---

Circuit Diagram

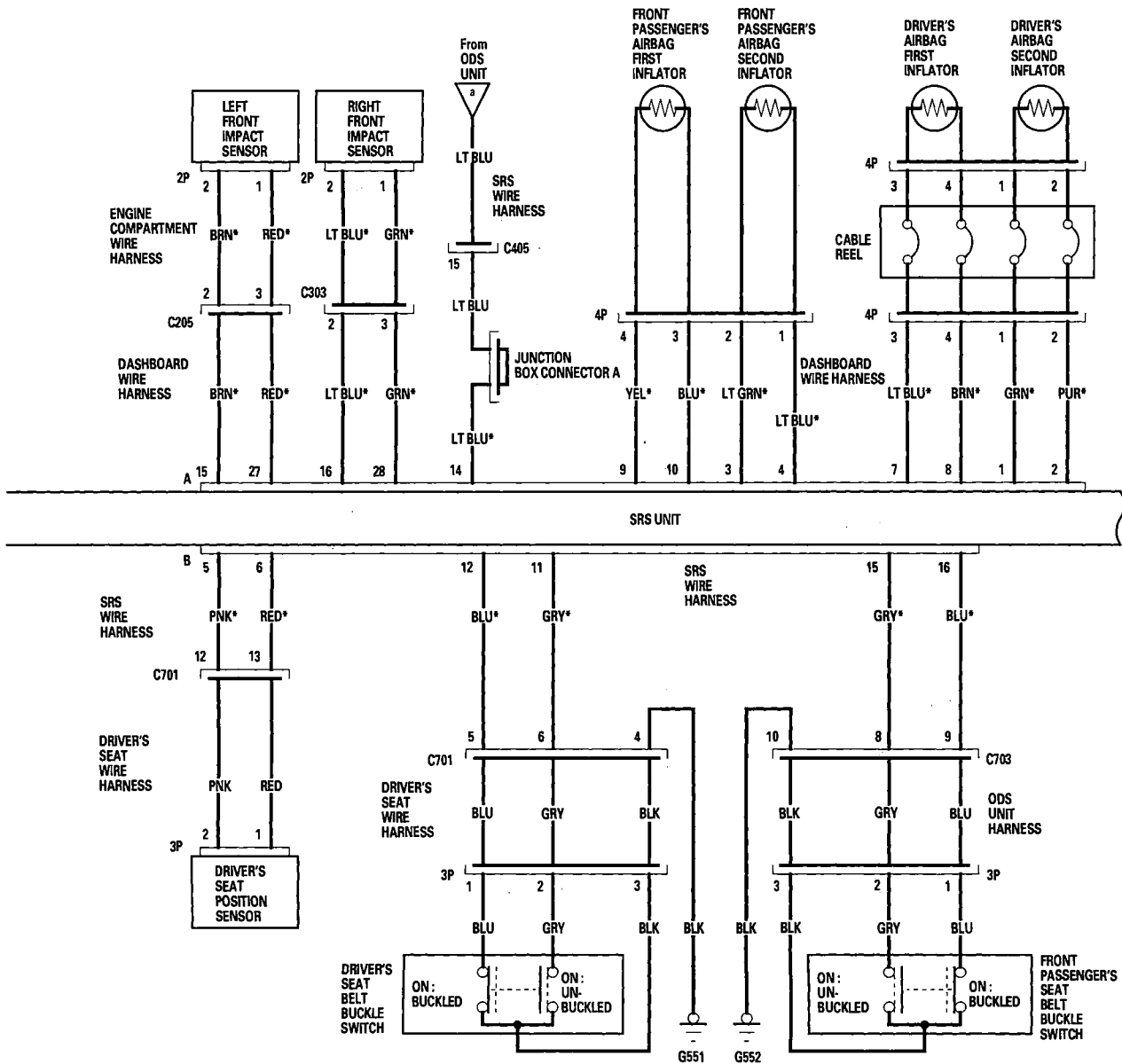




1 : With out NAVI.

2 : With NAVI.

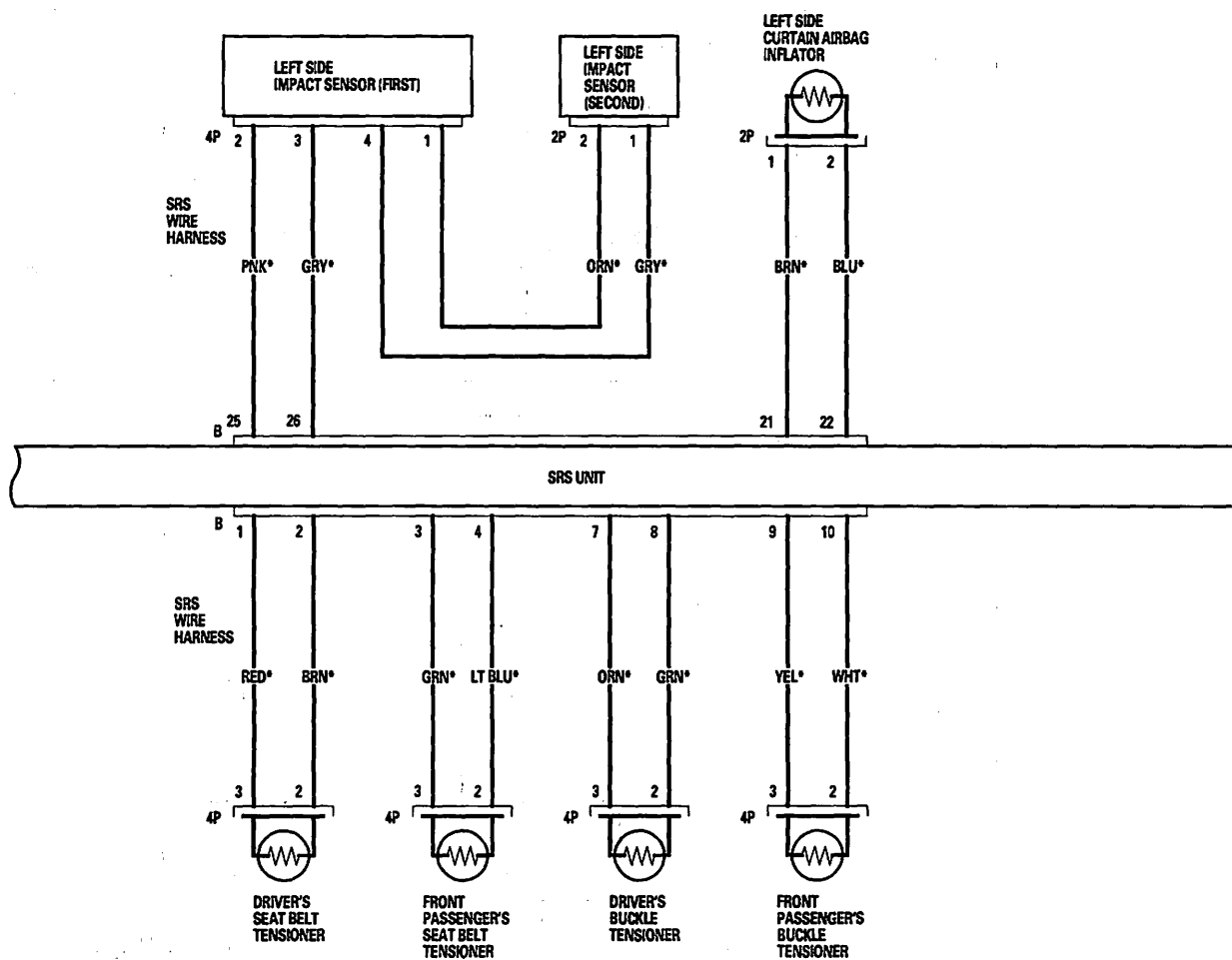
BLUE, BROWN, GREEN, GRAY or ORANGE wire color can be used for the SRS circuits that have a * mark



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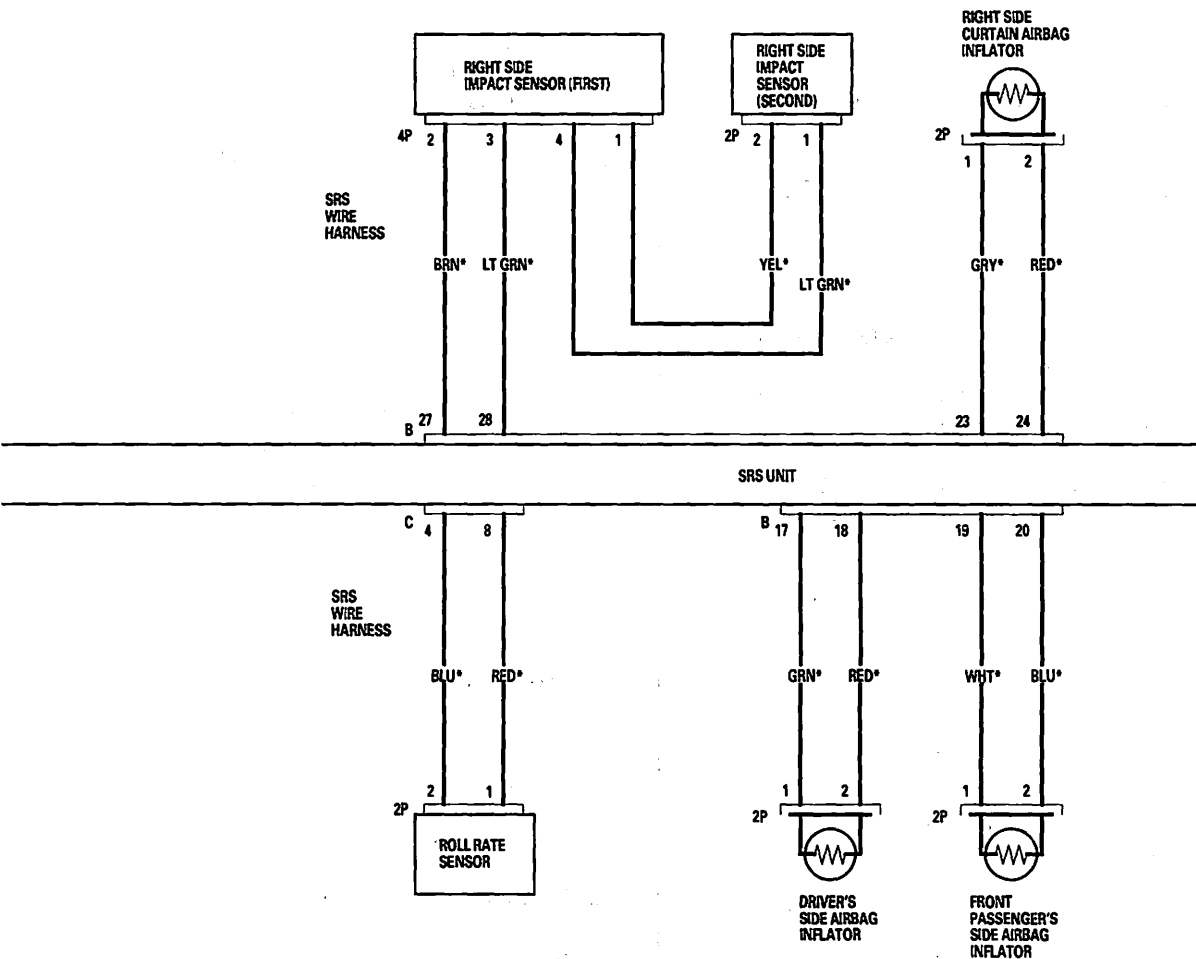
BACK

Circuit Diagram (cont'd)





BLUE, BROWN, GREEN, GRAY, or
ORANGE wire color can be used for the
SRS circuits that have a * mark



DTC Troubleshooting

DTC 11-11: Open in Driver's Airbag First Inflator

DTC 11-21: Increased Resistance in Driver's Airbag First Inflator

DTC 11-41: Open in Driver's Airbag Second Inflator

DTC 11-51: Increased Resistance in Driver's Airbag Second Inflator

Special Tools Required

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

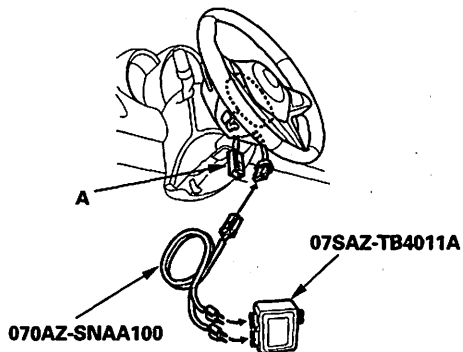
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 11-11, 11-21, 11-41, or 11-51 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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.



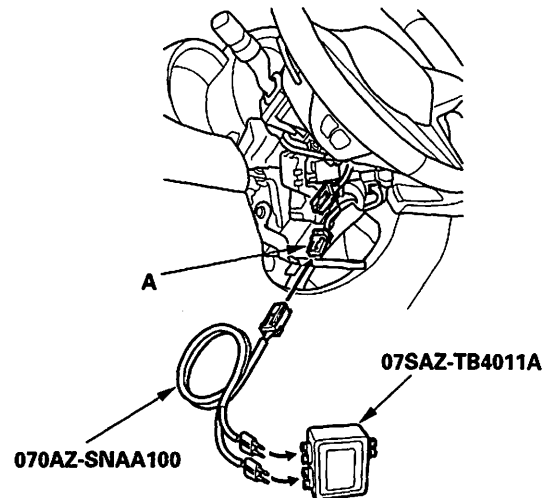
5. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the cable reel.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-24).

Is DTC 11-11, 11-21, 11-41, or 11-51 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 24-146). ■

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 Ω 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 11-11, 11-21, 11-41, or 11-51 indicated?

YES—Go to step 15.

NO—Open or increased resistance in the cable reel; replace the cable reel (see page 24-158). ■

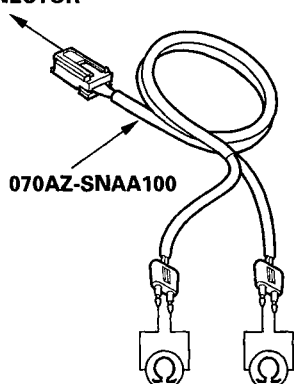
15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 14 on page 24-23).

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. Check resistance between the terminals of both SRS simulator lead. There should be 1 Ω 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 24-161). ■

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

**DTC 11-31: Short to Another Wire or
Decreased Resistance in Driver's Airbag First
Inflator**

**DTC 11-61: 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

1. Erase the DTC memory (see page 24-25).

2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

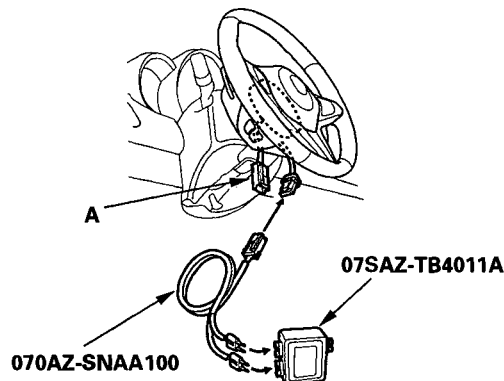
Does the SRS indicator stay on, and is DTC 11-31 or 11-61 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 Ω connectors) and simulator lead J to the cable reel.

(cont'd)

DTC Troubleshooting (cont'd)

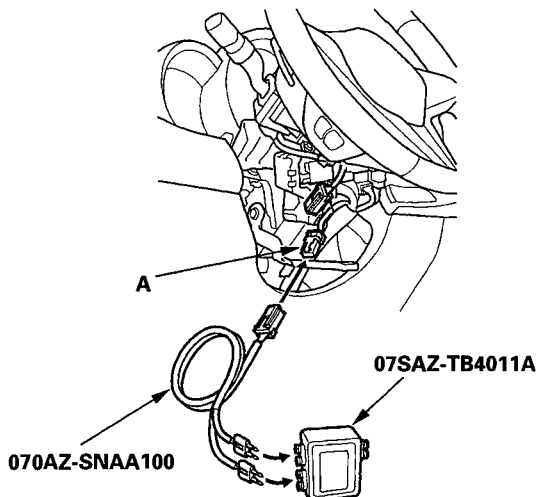
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-24).

Is DTC 11-31 or 11-61 indicated?

YES—Go to step 9.

NO—Short in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-146). ■

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 Ω connectors) and the simulator lead to the dashboard wire harness.
12. Reconnect the negative cable to the battery.
13. Erase the DTC memory.

14. Read the DTC.

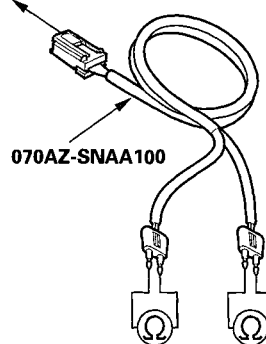
Is DTC 11-31 or 11-61 indicated?

YES—Go to step 15.

NO—Short in the cable reel; replace the cable reel (see page 24-158). ■

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 14 on page 24-23).
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 24-19).
19. Check resistance between the terminals of both SRS simulator leads. There should be an open circuit or at least 1 M Ω .

**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 24-161). ■

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



DTC 11-81: Short to Power in Driver's Airbag First Inflator

DTC 11-A1: Short to Power in Driver's Airbag Second Inflator

Special Tools Required

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

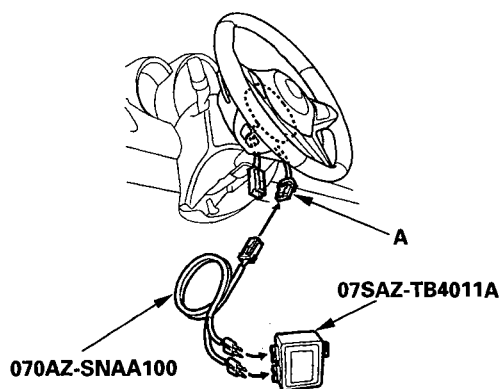
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 11-81 or 11-A1 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 Ω connectors) and simulator lead J to the cable reel.

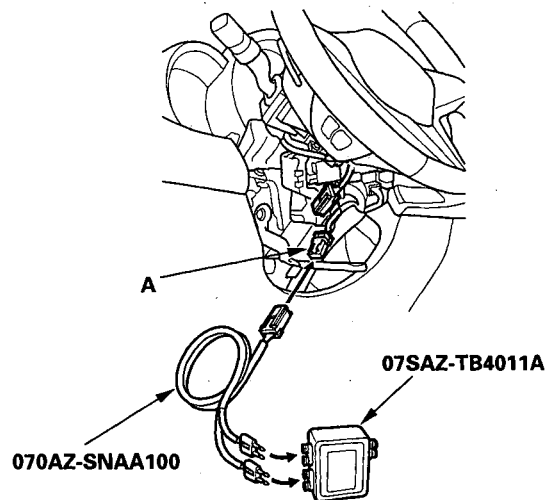
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-24).

Is DTC 11-81 or 11-A1 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 24-146). ■

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 Ω connectors) and the simulator lead 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 11-81 or 11-A1 indicated?

YES—Go to step 15.

NO—Short to power in the cable reel; replace the cable reel (see page 24-158). ■

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 14 on page 24-23).

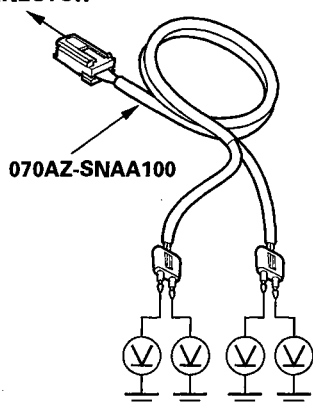
17. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.

18. Reconnect the negative cable to the battery.

19. Turn the ignition switch ON (II).

20. Check 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 24-161). ■

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

DTC 11-91: Short to Ground in Driver's Airbag First Inflator

DTC 11-B1: Short to Ground in Driver's Airbag Second Inflator

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).

2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

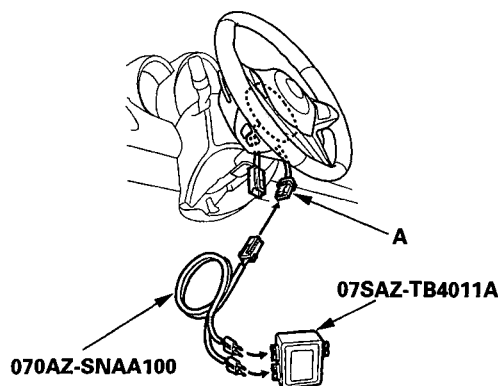
Does the SRS indicator stay on, and is DTC 11-91 or 11-B1 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 Ω 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 24-24).

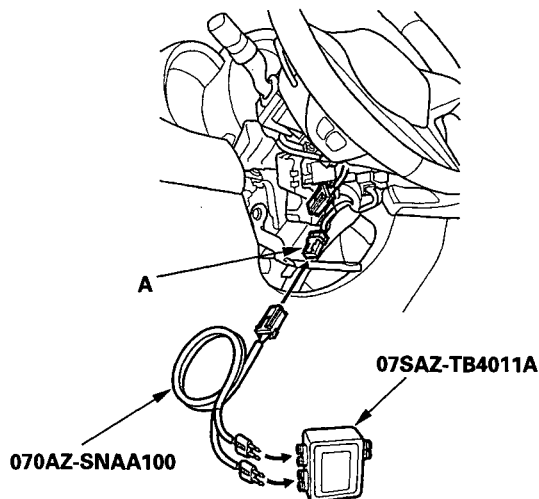
Is DTC 11-91 or 11-B1 indicated?

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 24-146). ■

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 Ω connectors) and the simulator lead to the dashboard wire harness.

12. Reconnect the negative cable to the battery.

13. Erase the DTC memory.

14. Read the DTC.

Is DTC 11-91 or 11-B1 indicated?

YES—Go to step 15.

NO—Short to ground in the cable reel; replace the cable reel (see page 24-158). ■

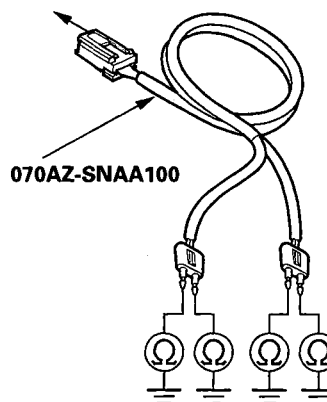
15. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

16. Disconnect SRS unit connector A (28P) from the SRS unit (see step 14 on page 24-23).

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. Check resistance between each terminal of the SRS simulator lead and body ground. There should be an open circuit or at least 1 M Ω .

**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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 12-11: Open in Front Passenger's Airbag First Inflator

DTC 12-21: Increased Resistance in Front Passenger's Airbag First Inflator

DTC 12-41: Open in Front Passenger's Airbag Second Inflator

DTC 12-51: Increased Resistance in Front Passenger's Airbag Second Inflator

Special Tools Required

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

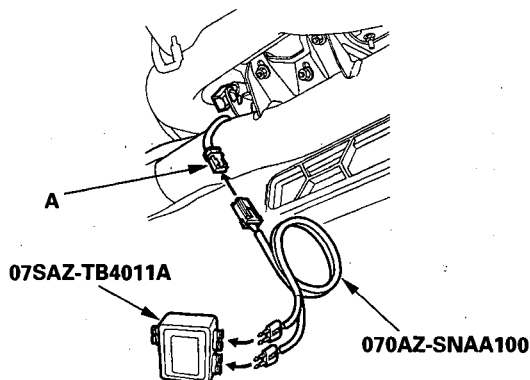
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 12-11, 12-21, 12-42, or 12-51 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 dashboard wire harness.



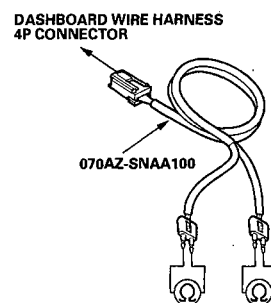
5. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the dashboard wire harness.
6. Reconnect the negative cable to the battery.
7. Erase the DTC memory.
8. Read the DTC (see page 24-24).

Is DTC 12-11, 12-21, 12-41, or 12-51 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 24-147). ■

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 14 on page 24-23).
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. Check resistance between the terminals of both SRS simulator leads. There should be 1 Ω 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 24-161). ■

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



DTC 12-31: Short to Another Wire or Decreased Resistance in Front Passenger's Airbag First Inflator

DTC 12-61: 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

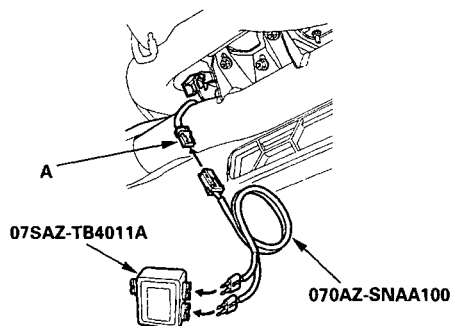
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 12-31 or 12-61 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 Ω connectors) and simulator lead J to dashboard wire harness.
6. Reconnect the negative cable to the battery.

7. Erase the DTC memory.

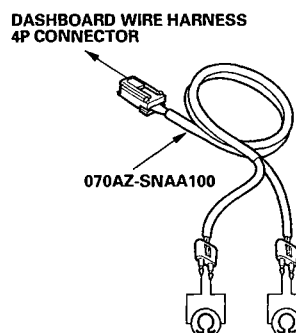
8. Read the DTC (see page 24-24).

Is DTC 12-31 or 12-61 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 24-147). ■

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 14 on page 24-23).
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 24-19).
13. Check resistance between the terminals of both SRS simulator leads. There should be an open circuit or at least 1 M Ω .



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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 12-81: Short to Power in Front Passenger's Airbag First Inflator

DTC 12-A1: Short to Power in Front Passenger's Airbag Second Inflator

Special Tools Required

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

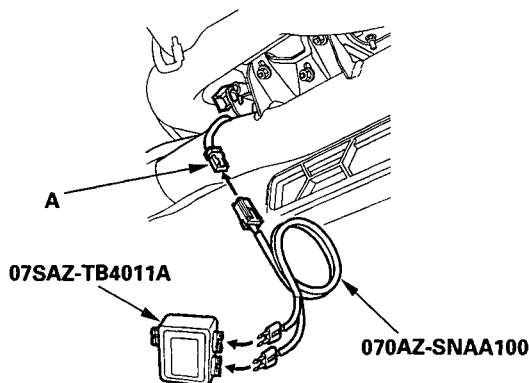
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 12-81 or 12-A1 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 dashboard wire harness.



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

7. Erase the DTC memory.

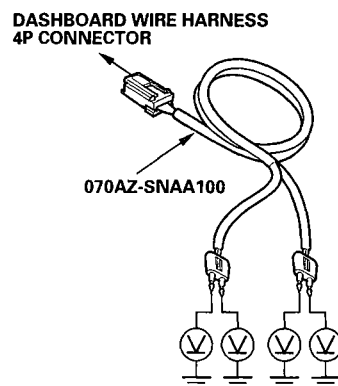
8. Read the DTC (see page 24-24).

Is DTC 12-81 or 12-A1 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 24-147). ■

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 14 on page 24-23).
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. Check for 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 24-161). ■

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



DTC 12-91: Short to Ground in Front Passenger's Airbag First Inflator

DTC 12-B1: Short to Ground in Front Passenger's Airbag Second Inflator

Special Tools Required

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

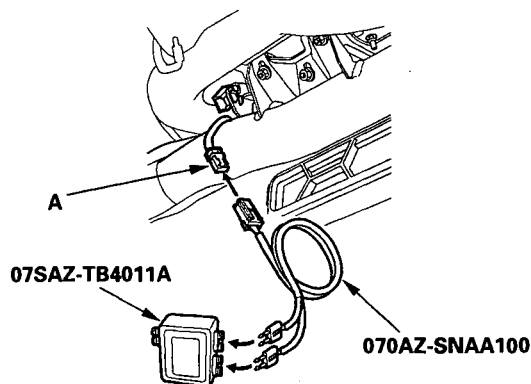
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 12-91 or 12-B1 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 Ω 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 24-24).

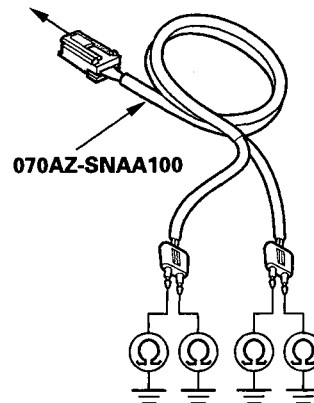
Is DTC 12-91 or 12-B1 indicated?

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 24-147). ■

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 14 on page 24-23).
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. Check resistance between each terminal of the SRS simulator lead and body ground. There should be an open circuit or at least 1 M Ω .

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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 21-11: Open in Driver's Seat Belt Tensioner

DTC 21-21: Increased Resistance in Driver's Seat Belt Tensioner

Special Tools Required

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

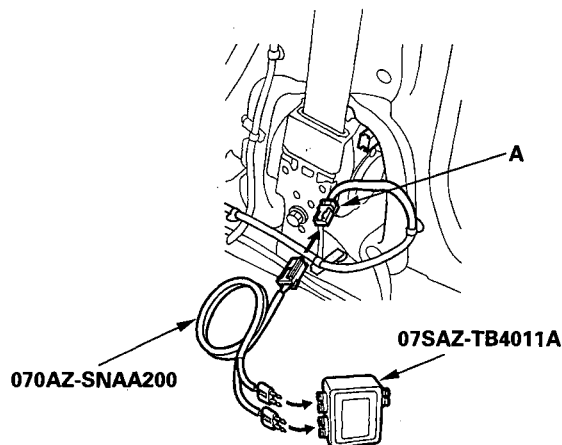
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 21-11 or 21-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2 Ω 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 24-24).

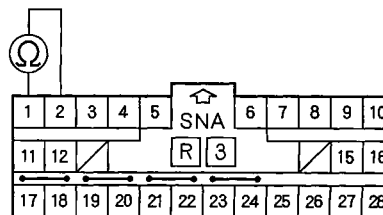
Is DTC 21-11 or 21-21 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the front passenger's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 1 and the No. 2 terminals of SRS unit connector B (28P). There should be 2.0—3.0 Ω .

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 24-161). ■

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



DTC 21-31: 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

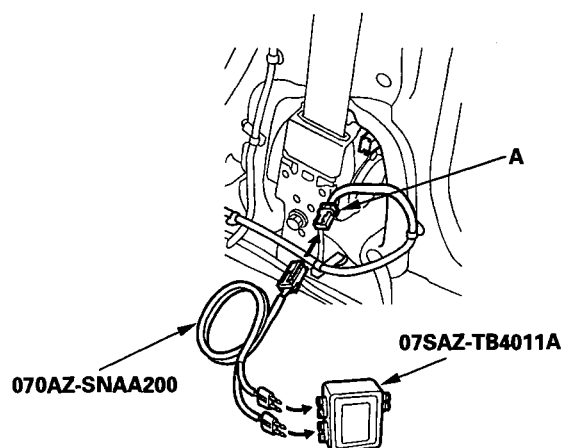
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 21-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt tensioner.



5. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS wire harness.

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

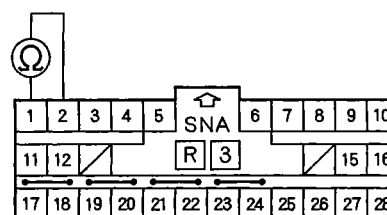
Is DTC 21-31 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the front passenger's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 1 and the No. 2 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .

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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 21-81: Short to Power in Driver's Seat Belt Tensioner

Special Tools Required

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

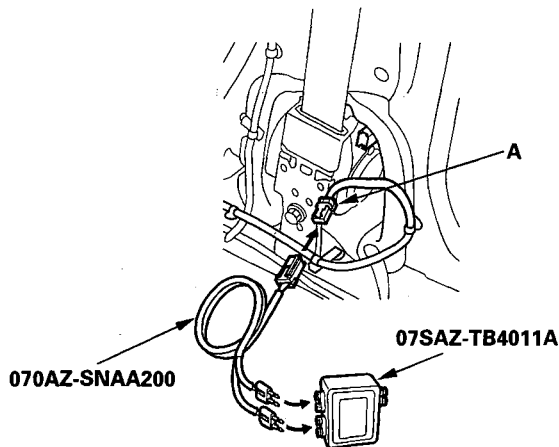
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 21-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt tensioner.



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

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

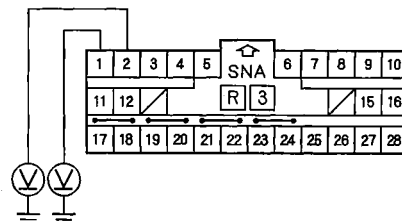
Is DTC 21-81 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the front passenger's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check for 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 24-161). ■

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



DTC 21-91: Short to Ground in Driver's Seat Belt Tensioner

Special Tools Required

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

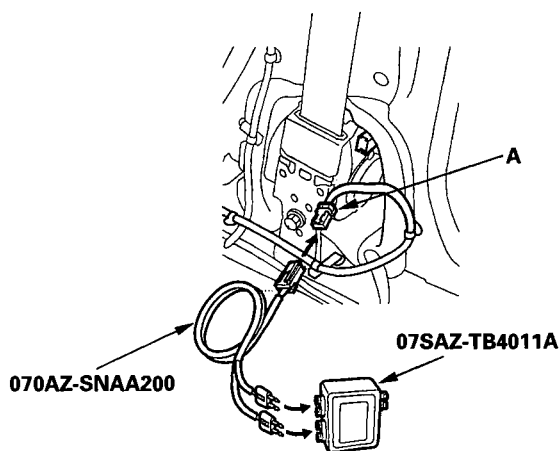
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 21-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt tensioner.



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

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

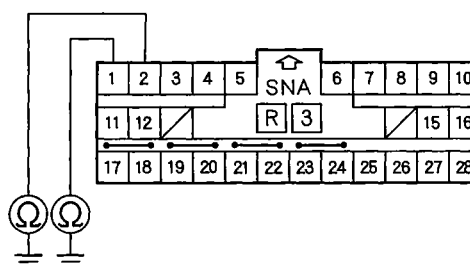
Is DTC 21-91 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the front passenger's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check 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 or at least 1 M Ω .

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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 22-11: Open in Front Passenger's Seat Belt Tensioner

DTC 22-21: Increased Resistance in Front Passenger's Seat Belt Tensioner

Special Tools Required

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

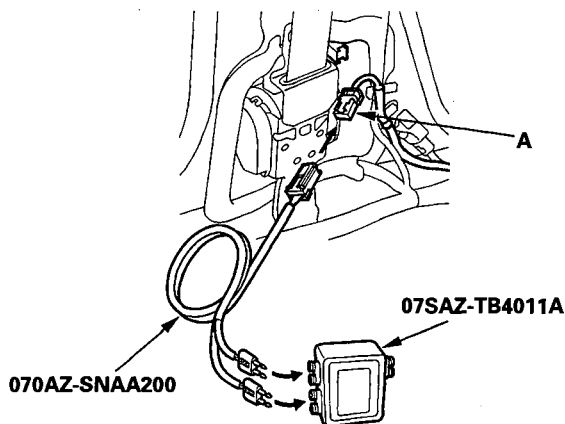
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 22-11 or 22-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS wire harness.

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

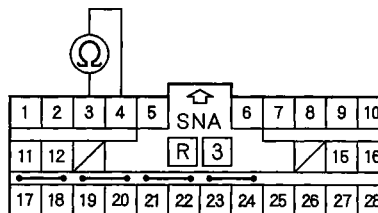
Is DTC 22-11 or 22-21 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the driver's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 3 and the No. 4 terminals of SRS unit connector B (28P). There should be 2.0—3.0 Ω .

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 24-161). ■

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



DTC 22-31: 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

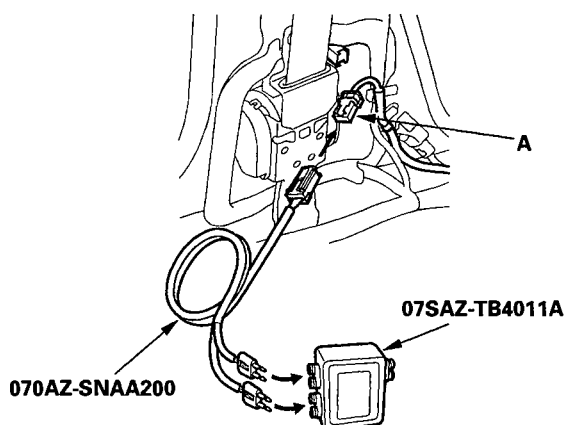
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 22-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt tensioner.



5. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS wire harness.

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

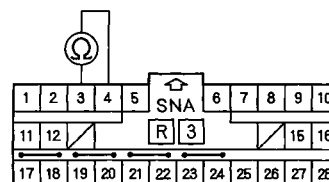
Is DTC 22-31 indicated?

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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the driver's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 3 and the No. 4 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .

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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 22-81: Short to Power in Front Passenger's Seat Belt Tensioner

Special Tools Required

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

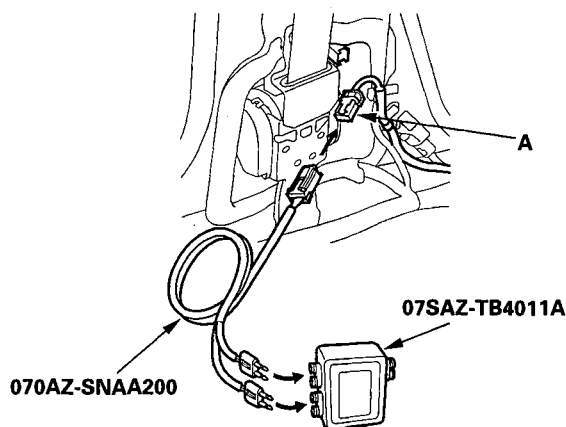
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 22-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt tensioner.



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

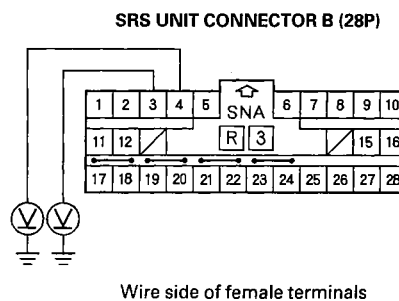
8. Read the DTC (see page 24-24).

Is DTC 22-81 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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the driver's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check for 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.



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 24-161). ■

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



DTC 22-91: Short to Ground in Front Passenger's Seat Belt Tensioner

Special Tools Required

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

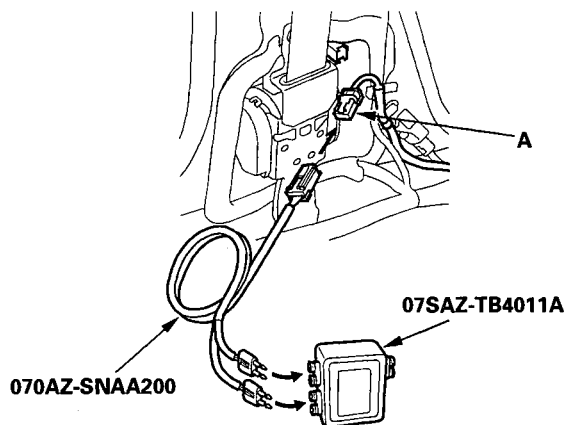
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 22-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt tensioner.



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

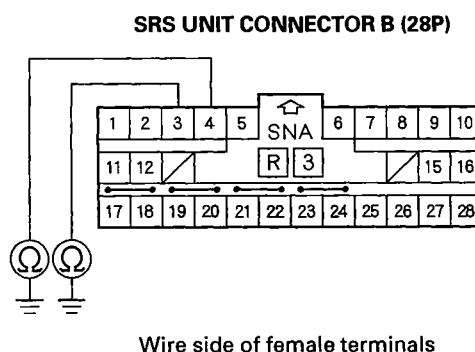
8. Read the DTC (see page 24-24).

Is DTC 22-91 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 both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23) and the driver's seat belt tensioner 4P connector (see step 10 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check 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 or at least 1 M Ω .



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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 27-11: Open in Driver's Seat Belt Buckle Tensioner

DTC 27-21: Increased Resistance in Driver's Seat Belt Buckle Tensioner

Special Tools Required

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

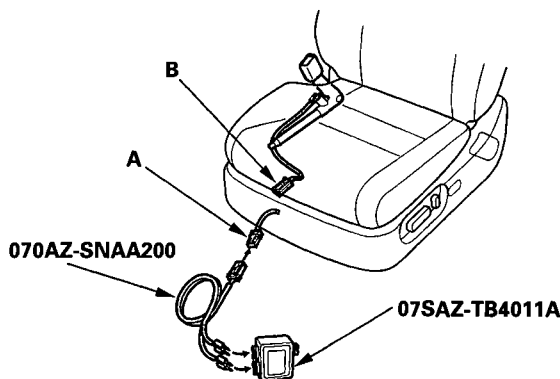
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 27-11 or 27-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt buckle tensioner connector (B).



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

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

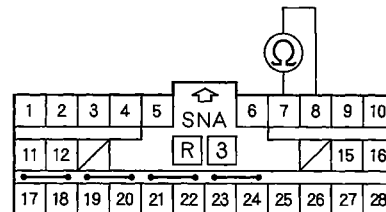
Is DTC 27-11 or 27-21 indicated?

YES—Go to step 9.

NO—Open or increased resistance in the driver's seat belt buckle tensioner; replace the driver's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the front passenger's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 7 and No. 8 terminals of SRS unit connector B (28P). There should be 2.0—3.0 Ω .

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 24-161). ■

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



DTC 27-31: Short to Another Wire or Decreased Resistance in Driver's Seat Belt Buckle Tensioner

Special Tools Required

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

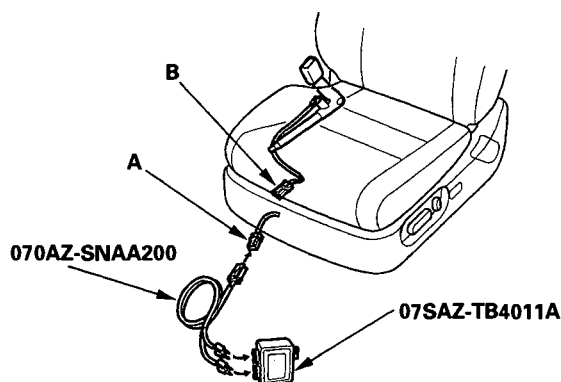
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 27-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt buckle tensioner connector (B).



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

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

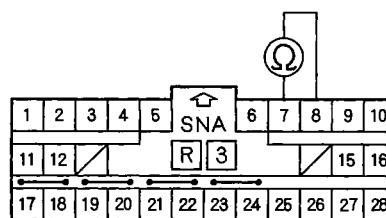
Is DTC 27-31 indicated?

YES—Go to step 9.

NO—Short in the driver's seat belt buckle tensioner; replace the driver's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the front passenger's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 7 and No. 8 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .

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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 27-81: Short to Power in Driver's Seat Belt Buckle Tensioner

Special Tools Required

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

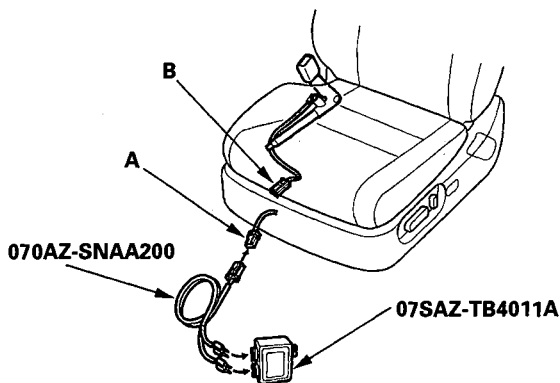
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 27-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt buckle tensioner connector (B).



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

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

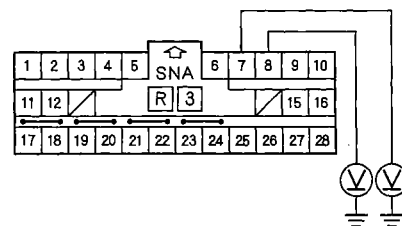
Is DTC 27-81 indicated?

YES—Go to step 9.

NO—Short to power in the driver's seat belt buckle tensioner; replace the driver's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the front passenger's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check for voltage between the No. 7 terminal of SRS unit connector B (28P) and body ground, and the No. 8 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 24-161). ■

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



DTC 27-91: Short to Ground in Driver's Seat Belt Buckle Tensioner

Special Tools Required

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

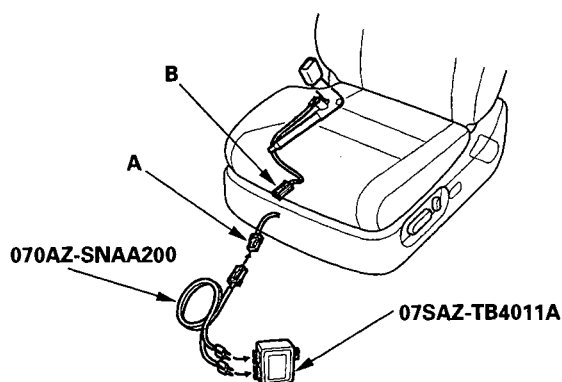
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 27-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the driver's seat belt buckle tensioner connector (B).



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

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

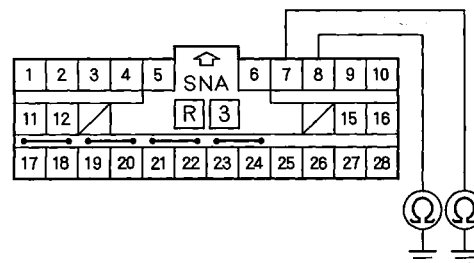
Is DTC 27-91 indicated?

YES—Go to step 9.

NO—Short to ground in the driver's seat belt buckle tensioner; replace the driver's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the front passenger's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 7 terminal of SRS unit connector B (28P) and body ground, and the No. 8 terminal and body ground. There should be an open circuit or at least 1 M Ω .

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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 28-11: Open in Front Passenger's Seat Belt Buckle Tensioner

DTC 28-21: Increased Resistance in Front Passenger's Seat Belt Buckle Tensioner

Special Tools Required

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

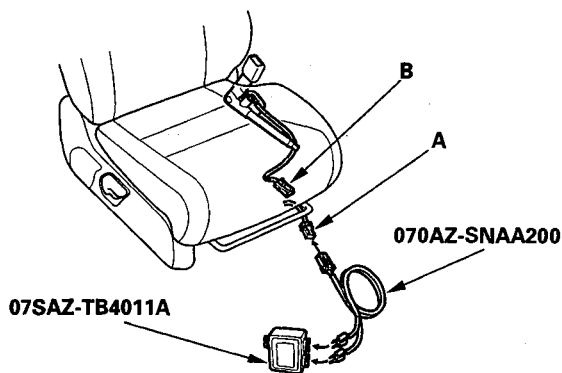
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 28-11 or 28-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt buckle tensioner connector (B).



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

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

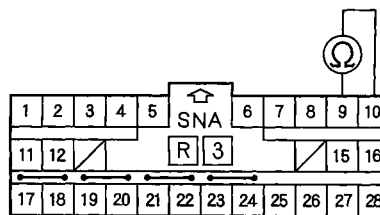
Is DTC 28-11 or 28-21 indicated?

YES—Go to step 9.

NO—Open or increased resistance in the front passenger's seat belt buckle tensioner; replace the front passenger's seat belt buckle (see page 24-6).

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 10 on page 24-23) and the driver's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 9 and No. 10 terminals of SRS unit connector B (28P). There should be 2.0—3.0 Ω .

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 24-161).

NO—Open or increased resistance in the SRS wire harness; replace the SRS wire harness.



DTC 28-31: Short to Another Wire or Decreased Resistance in Front Passenger's Seat Belt Buckle Tensioner

Special Tools Required

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

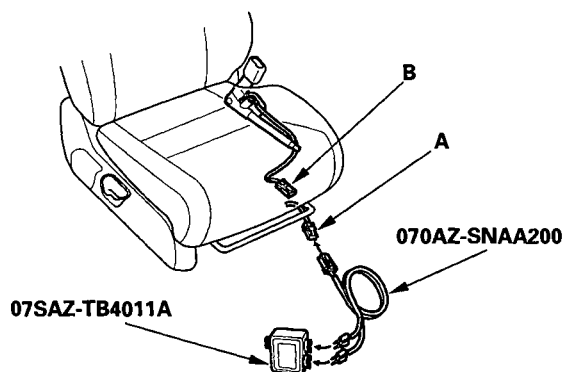
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 28-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt buckle tensioner connector (B).



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

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

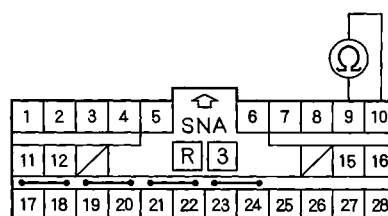
Is DTC 28-31 indicated?

YES—Go to step 9.

NO—Short in the front passenger's seat belt buckle tensioner; replace the front passenger's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the driver's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 9 and No. 10 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .

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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 28-81: Short to Power in Front Passenger's Seat Belt Buckle Tensioner

Special Tools Required

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

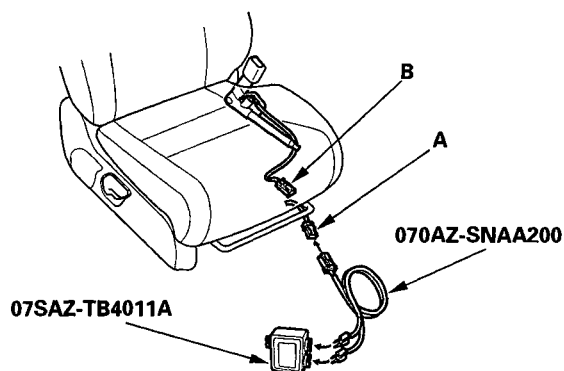
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 28-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt buckle tensioner connector (B).



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

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

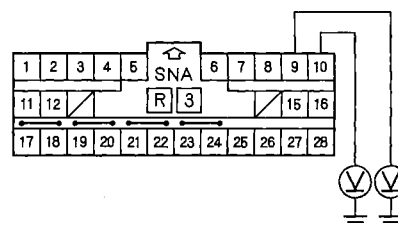
Is DTC 28-81 indicated?

YES—Go to step 9.

NO—Short to power in the front passenger's seat belt buckle tensioner; replace the front passenger's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the driver's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check for voltage between the No. 9 terminal of SRS unit connector B (28P) and body ground, and the No. 10 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 24-161). ■

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



DTC 28-91: Short to Ground in Front Passenger's Seat Belt Buckle Tensioner

Special Tools Required

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

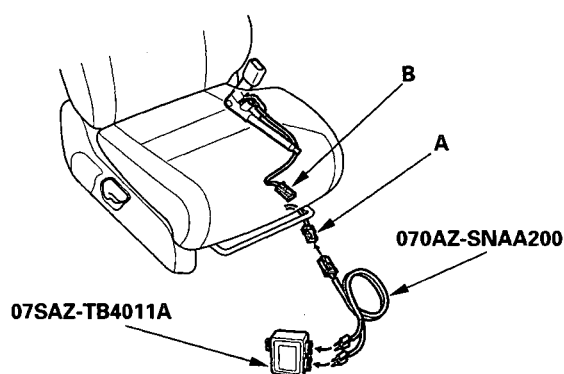
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 28-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 4P connector (A) from the front passenger's seat belt buckle tensioner connector (B).



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

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

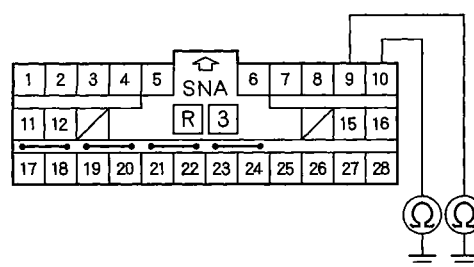
Is DTC 28-91 indicated?

YES—Go to step 9.

NO—Short to ground in the front passenger's seat belt buckle tensioner; replace the front passenger's seat belt buckle (see page 24-6). ■

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 10 on page 24-23) and the driver's seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the simulator lead from the SRS wire harness.
13. Check resistance between the No. 9 terminal of SRS unit connector B (28P) and body ground, and the No. 10 terminal and body ground. There should be an open circuit or at least 1 M Ω .

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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 31-11: Open in Driver's Side Airbag Inflator

DTC 31-21: Increased Resistance in Driver's Side Airbag Inflator

Special Tools Required

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

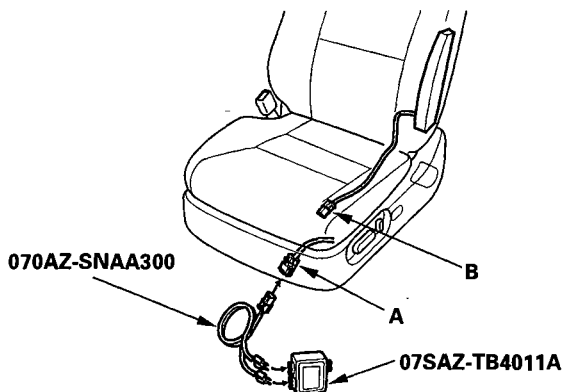
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 31-11 or 31-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the driver's side airbag (B).



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

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

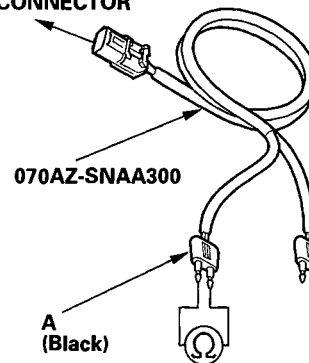
Is DTC 31-11 indicated?

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 24-4). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between the terminals of the black SRS simulator lead (A). There should be 1.0 Ω or less.

SRS 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 24-161). ■

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



DTC 31-31: 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

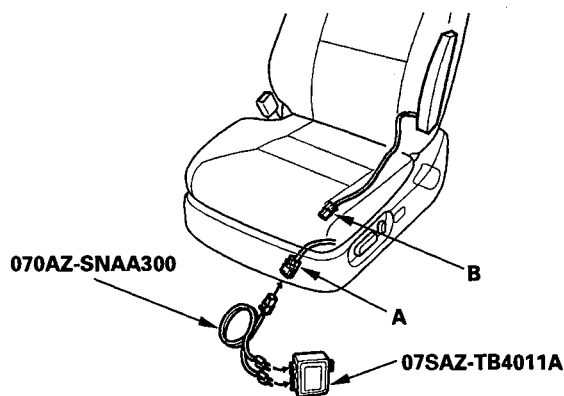
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

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

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the driver's side airbag (B).



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

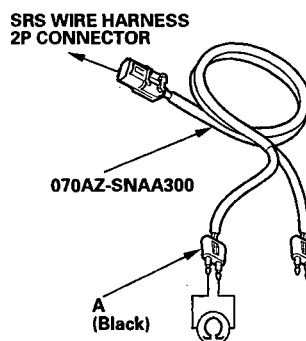
8. Read the DTC (see page 24-24).

Is DTC 31-31 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS 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 24-19).
14. Check resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least 1 M Ω .



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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 31-81: Short to Power in Driver's Side Airbag Inflator

Special Tools Required

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

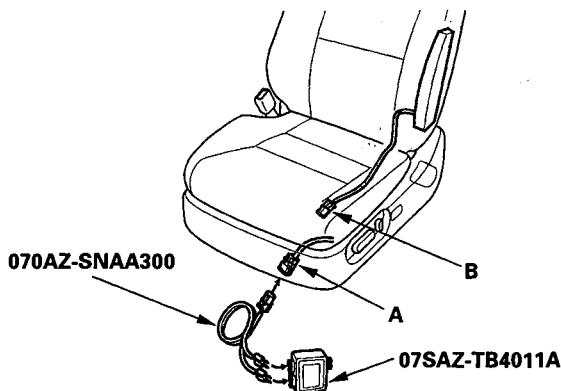
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 31-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the driver's side airbag (B).



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

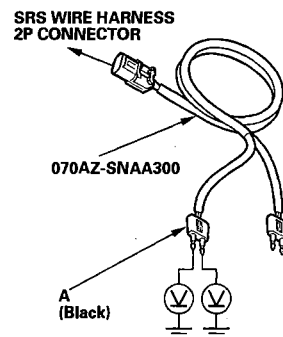
8. Read the DTC (see page 24-24).

Is DTC 31-81 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check 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 24-161). ■

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



DTC 31-91: Short to Ground in Driver's Side Airbag Inflator

Special Tools Required

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

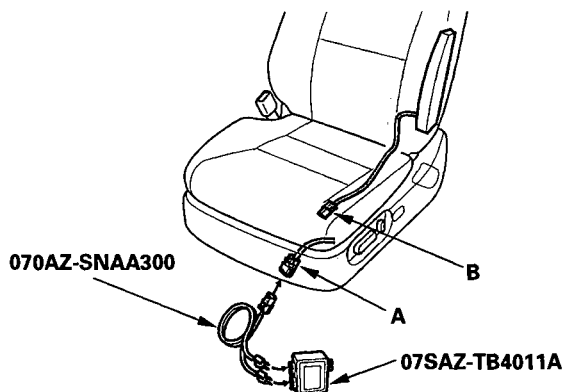
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 31-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the driver's side airbag (B).



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

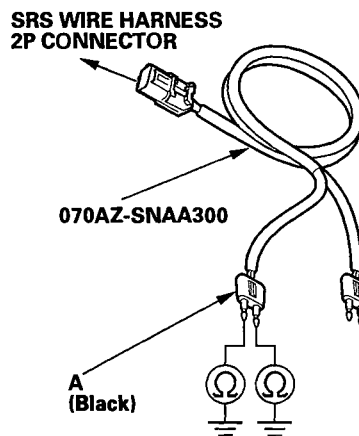
8. Read the DTC (see page 24-24).

Is DTC 31-91 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit or at least 1 M Ω .



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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 32-11: Open in Front Passenger's Side Airbag Inflator

DTC 32-21: Increased Resistance in Front Passenger's Side Airbag Inflator

Special Tools Required

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

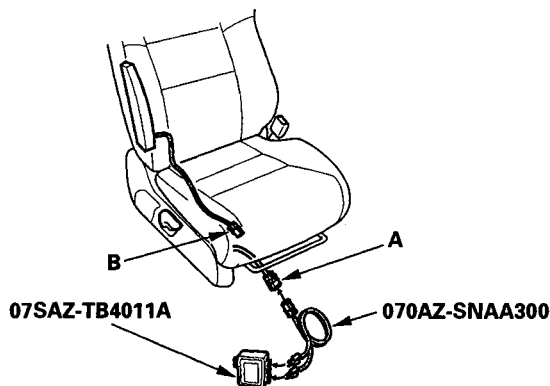
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 32-11 or 32-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the front passenger's side airbag (B).



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

7. Erase the DTC memory.

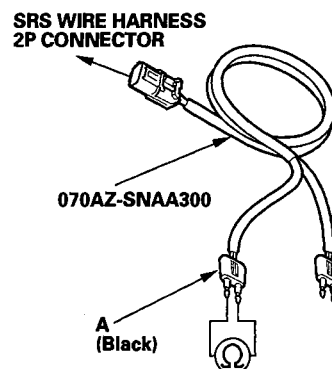
8. Read the DTC (see page 24-24).

Is DTC 32-11 or 32-21 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between the terminals of the black SRS simulator lead (A). There should be 1.0 Ω or less.



Is the resistance as specified?

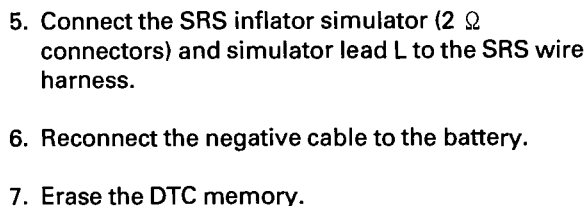
YES—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-161). ■

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



Special Tools Required

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



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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS 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 24-19).
14. Check resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least $1\text{ M}\Omega$.



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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 32-81: Short to Power in Front Passenger's Side Airbag Inflator

Special Tools Required

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

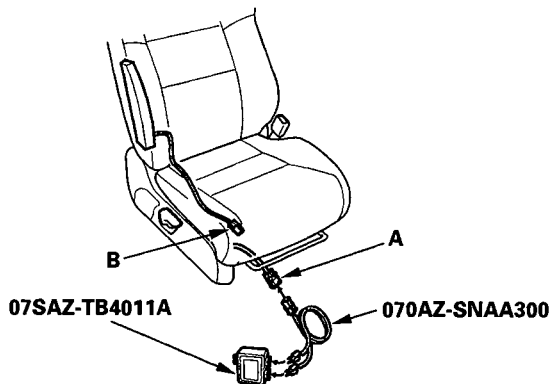
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 32-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the front passenger's side airbag (B).



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

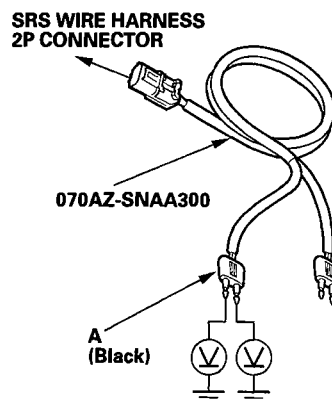
8. Read the DTC (see page 24-24).

Is DTC 32-81 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check 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 24-161). ■

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



DTC 32-91: Short to Ground in Front Passenger's Side Airbag Inflator

Special Tools Required

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

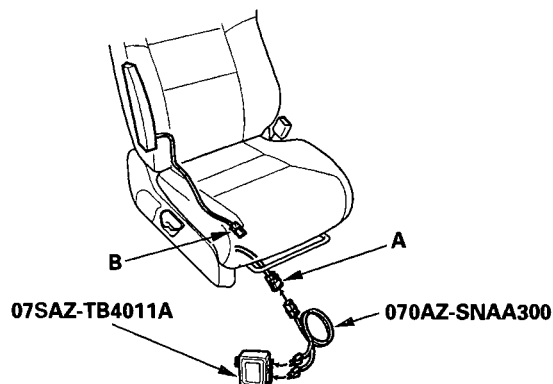
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 32-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 SRS wire harness 2P connector (A) from the front passenger's side airbag (B).



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

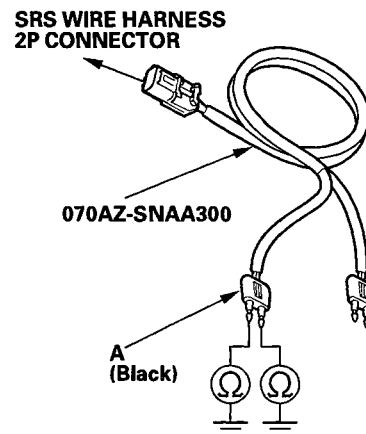
8. Read the DTC (see page 24-24).

Is DTC 32-91 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 24-149). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit or at least 1 M Ω .



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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 33-11: Open in Left Side Curtain Airbag Inflator

DTC 33-21: Increased Resistance in Left Side Curtain Airbag Inflator

Special Tools Required

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

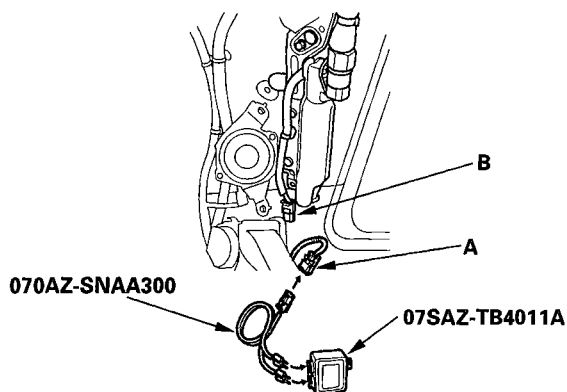
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 33-11 or 33-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the left side curtain airbag connector (B).



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

7. Erase the DTC memory.

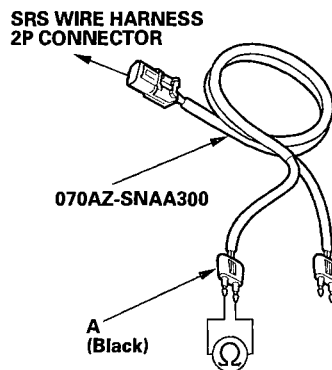
8. Read the DTC (see page 24-24).

Is DTC 33-11 or 33-21 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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between the terminals of the black SRS simulator lead (A). There should be 1.0 Ω 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 24-161). ■

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



DTC 33-31: 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

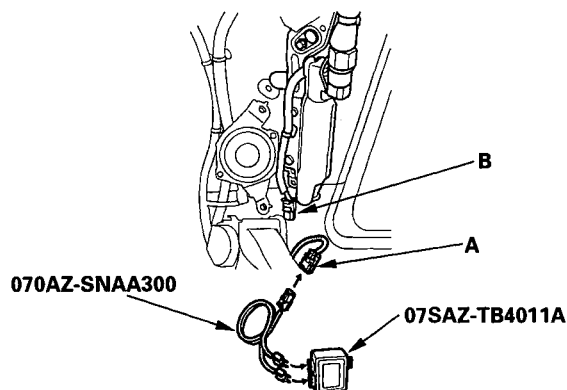
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 33-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the left side curtain airbag connector (B).



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

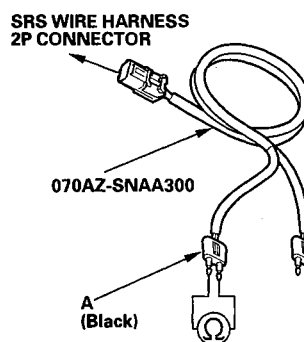
7. Erase the DTC memory.
8. Read the DTC (see page 24-24).

Is DTC 33-31 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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS 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 24-19).
14. Check resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least 1 M Ω .



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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 33-81: Short to Power in Left Side Curtain Airbag Inflator

Special Tools Required

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

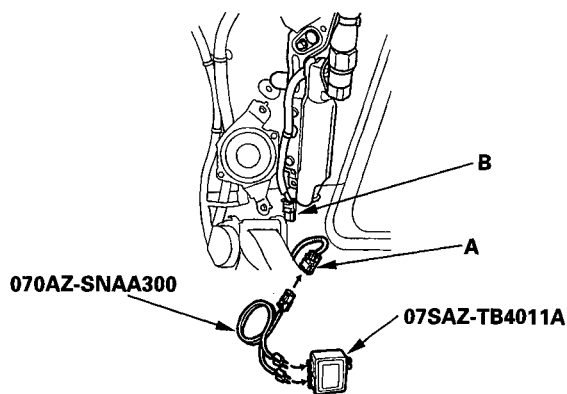
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 33-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the left side curtain airbag connector (B).



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

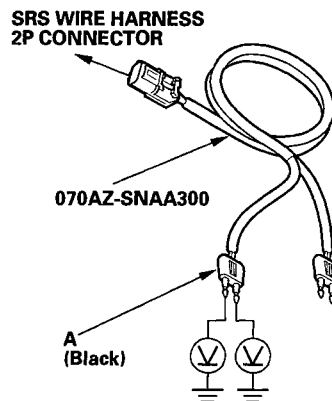
8. Read the DTC (see page 24-24).

Is DTC 33-81 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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect the SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check 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 24-161). ■

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



DTC 33-91: Short to Ground in Left Side Curtain Airbag Inflator

Special Tools Required

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

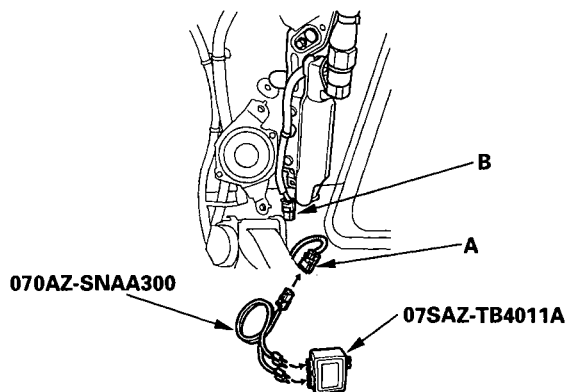
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 33-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the left side curtain airbag connector (B).



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

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

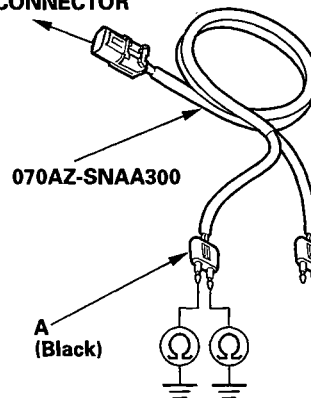
Is DTC 33-91 indicated?

YES—Go to step 9.

NO—Short to ground in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit or at least 1 M Ω .

SRS 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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 34-11: Open in Right Side Curtain Airbag Inflator

DTC 34-21: Increased Resistance in Right Side Curtain Airbag Inflator

Special Tools Required

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

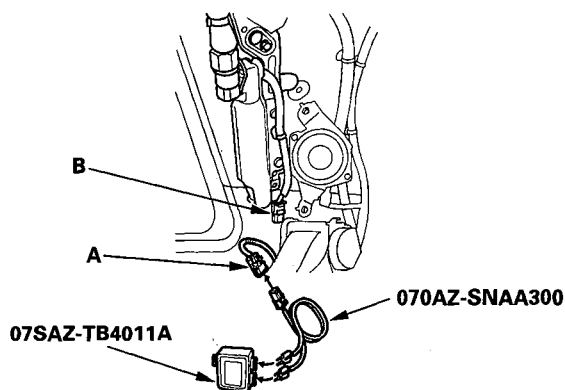
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 34-11 or 34-21 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the right side curtain airbag connector (B).



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

7. Erase the DTC memory.

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

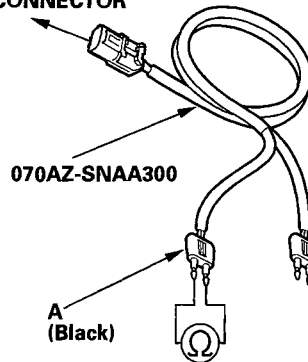
Is DTC 34-11 or 34-21 indicated?

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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between the terminals of the black SRS simulator lead (A). There should be 1.0 Ω or less.

SRS 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 24-161). ■

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



DTC 34-31: 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

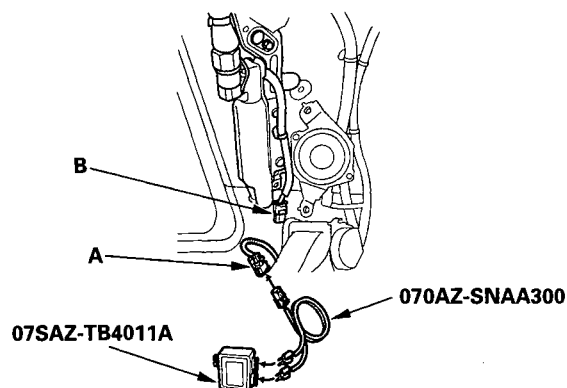
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 34-31 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the right side curtain airbag connector (B).



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

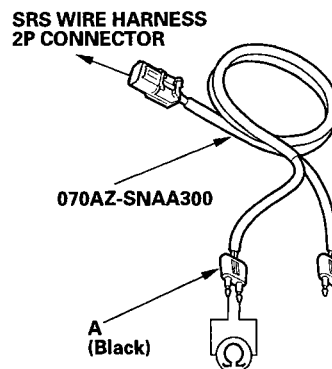
8. Read the DTC (see page 24-24).

Is DTC 34-31 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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS 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 24-19).
14. Check resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least 1 M Ω .



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 24-161). ■

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 34-81: Short to Power in Right Side Curtain Airbag Inflator

Special Tools Required

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

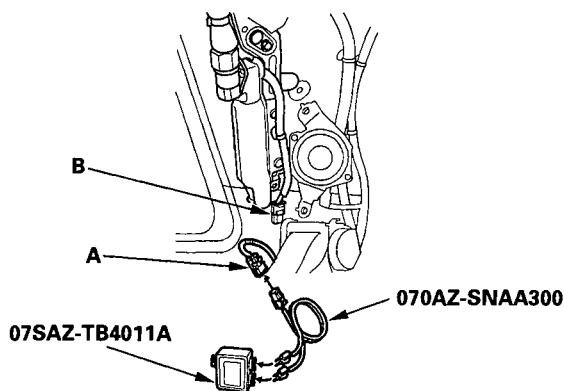
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 34-81 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the right side curtain airbag connector (B).



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

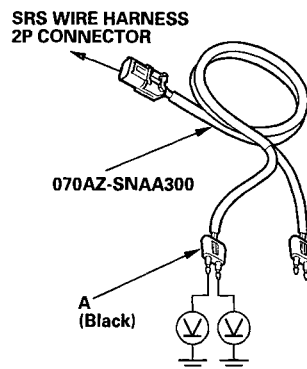
8. Read the DTC (see page 24-24).

Is DTC 34-81 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 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Reconnect the negative cable to the battery.
14. Turn the ignition switch ON (II).
15. Check 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 24-161). ■

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



DTC 34-91: Short to Ground in Right Side Curtain Airbag Inflator

Special Tools Required

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

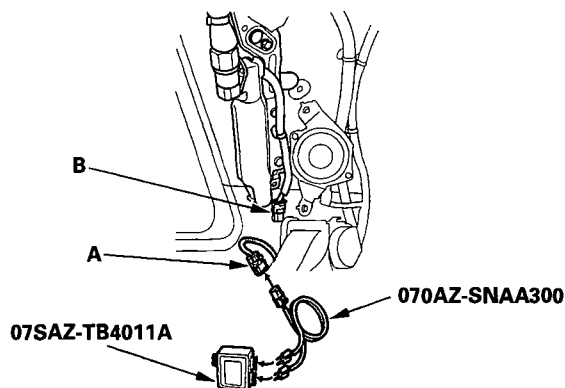
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 34-91 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-75), then disconnect the SRS wire harness 2P connector (A) from the right side curtain airbag connector (B).



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

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

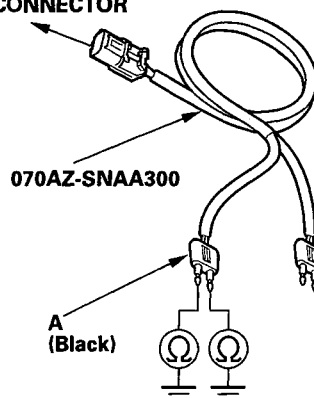
Is DTC 34-91 indicated?

YES—Go to step 9.

NO—Short to ground in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-150). ■

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 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS wire harness 2P connector.
13. Check resistance between each terminal of the black SRS simulator lead (A) and body ground. There should be an open circuit or at least 1 M Ω .

SRS 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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 41-11: No signal from the Left Front Impact Sensor

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
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 41-11 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

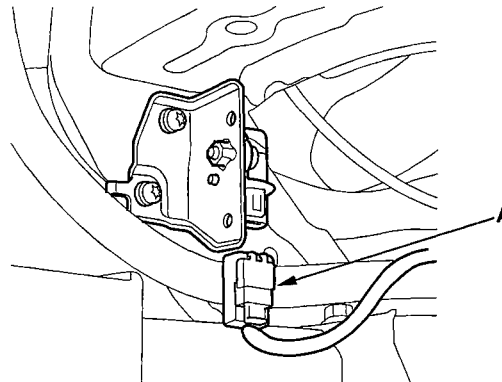
3. Turn the ignition switch OFF.
4. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Check the connections between SRS unit connector A (28P) and the SRS unit, between the engine compartment wire harness 2P connector and the left front impact sensor (see page 24-12), and at connector C205 (see page 22-22).

Are the connections OK?

YES—Go to step 6.

NO—Repair the poor connections and retest. If DTC 41-11 is still present, go to step 6.

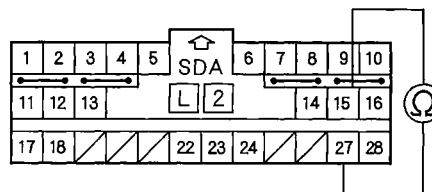
6. Disconnect the engine compartment wire harness 2P connector (A) from the left front impact sensor.



7. Disconnect SRS unit connector A (28P) from the SRS unit (see step 14 on page 24-23).

8. Check resistance between the No. 15 and No. 27 terminals of SRS unit connector A (28P). There should be an open circuit or at least 1 MΩ.

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

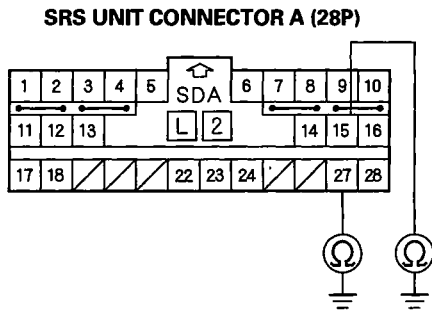
Is the resistance as specified?

YES—Go to step 9.

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



9. Check 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 or at least 1 M Ω .



Wire side of female terminals

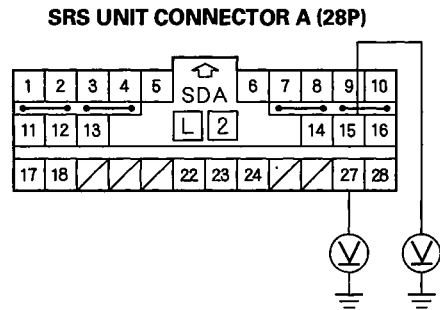
Is the resistance as specified?

YES—Go to step 10.

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

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

12. Check for 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 1 V or less.



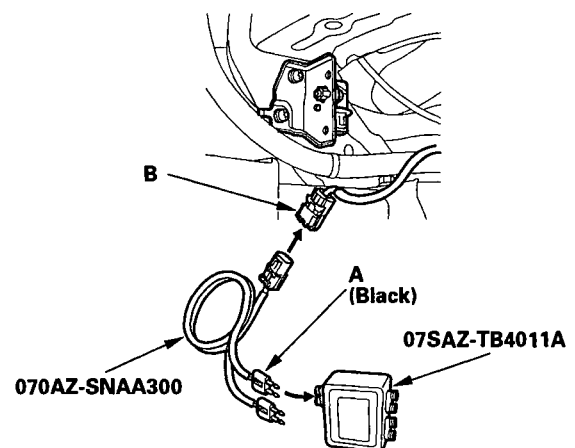
Wire side of female terminals

Is the voltage as specified?

YES—Go to step 13.

NO—Short to power in the 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 engine compartment wire harness 2P connector (B).

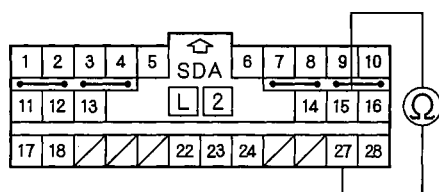


(cont'd)

DTC Troubleshooting (cont'd)

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

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 24-168). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Poor connection at C205, open in engine compartment wire harness, or open in dashboard wire harness. Inspect C205 (see page 22-22). If it is OK, replace the faulty harness. ■



DTC 42-11: No Signal from the Right Front Impact Sensor

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
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 42-11 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

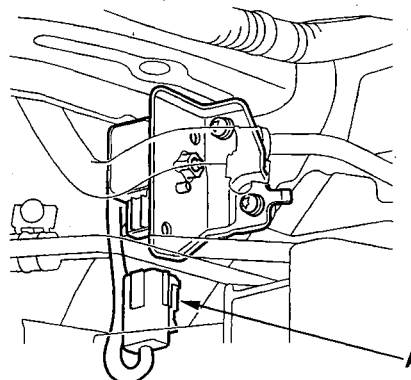
3. Turn the ignition switch OFF.
4. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Check the connections between SRS unit connector A (28P) and the SRS unit, between the engine compartment wire harness 2P connector and the right front impact sensor (see page 24-12), and at connector C303 (see page 22-26).

Are the connections OK?

YES—Go to step 6.

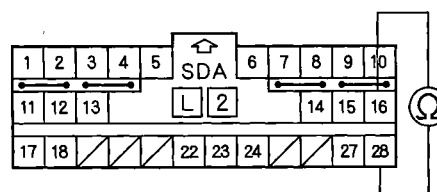
NO—Repair the poor connections and retest. If DTC 42-11 is still present, go to step 6.

6. Disconnect the 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 14 on page 24-23).
8. Check resistance between the No. 16 and No. 28 terminals of SRS unit connector A (28P). There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

Is the resistance as specified?

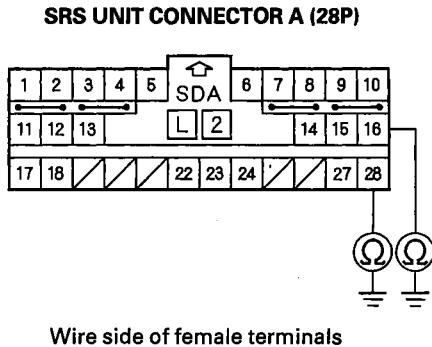
YES—Go to step 9.

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

(cont'd)

DTC Troubleshooting (cont'd)

9. Check 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 or at least 1 M Ω .



Is the resistance as specified?

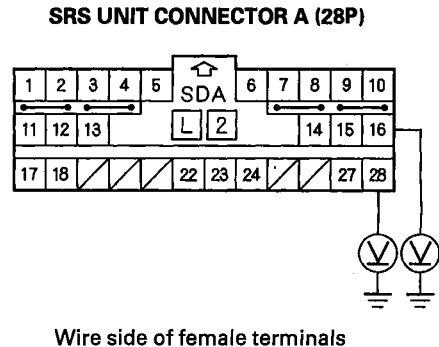
YES—Go to step 10.

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

10. Reconnect the negative cable to the battery.

11. Turn the ignition switch ON (II).

12. Check for 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 1 V or less.



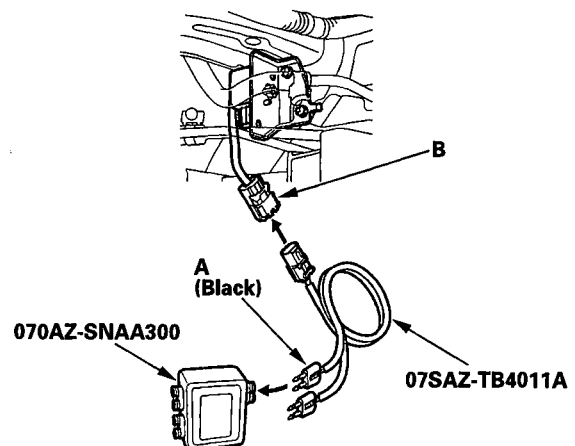
Is the voltage as specified?

YES—Go to step 13.

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

13. Turn the ignition switch OFF.

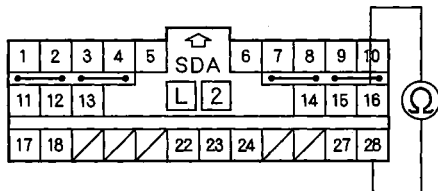
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the engine compartment wire harness 2P connector (B).





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

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 24-168). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Poor connection at C303, open in engine compartment wire harness, or open in dashboard wire harness. Inspect C303 (see page 22-26). If it is OK, replace the faulty harness. ■

DTC Troubleshooting (cont'd)

DTC 41-21, 41-81, 41-91, 41-A1, 41-B1, 41-B2: Internal Failure of the Left Front Impact Sensor

1. Erase the DTC memory (see page 24-25).
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 41-21, 41-81, 41-91, 41-A1, 41-B1, 41-B2 indicated?

YES—Replace the left front impact sensor (see page 24-168). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC 42-21, 42-81, 42-91, 42-A1, 42-B1, 42-B2: Internal Failure of the Right Front Impact Sensor

1. Erase the DTC memory (see page 24-25).
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 42-21, 42-81, 42-91, 42-A1, 42-B1, 42-B2 indicated?

YES—Replace the right front impact sensor (see page 24-168). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.



DTC 43-11: No Signal from the Left Side Impact Sensor (first)

Special Tools Required

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

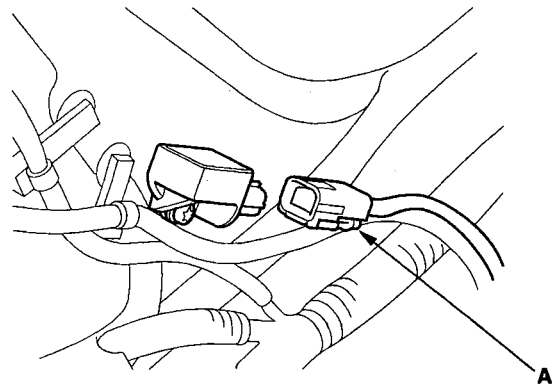
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 43-11 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
6. Disconnect the SRS main harness 4P connector (A) from the left side impact sensor (first) (see page 24-162).

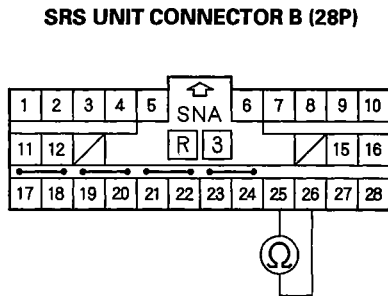


7. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).

(cont'd)

DTC Troubleshooting (cont'd)

8. Check resistance between the No. 25 and No. 26 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .



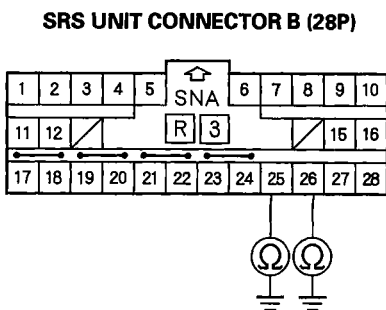
Wire side of female terminals

Is the resistance as specified?

YES—Go to step 9.

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

9. Check resistance between the No. 25 terminal of SRS unit connector B (28P) and body ground, and between the No. 26 terminal and body ground. There should be an open circuit or at least 1 M Ω .



Wire side of female terminals

Is the resistance as specified?

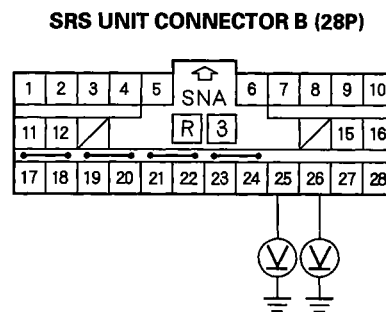
YES—Go to step 10.

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

10. Reconnect the negative cable to the battery.

11. Turn the ignition switch ON (II).

12. Check for voltage between the No. 25 terminal of SRS unit connector B (28P) and body ground, and between the No. 26 terminal and body ground. There should be 1 V or less.



Wire side of female terminals

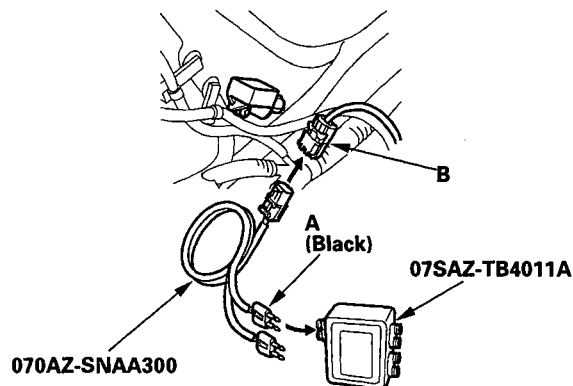
Is the voltage as specified?

YES—Go to step 13.

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

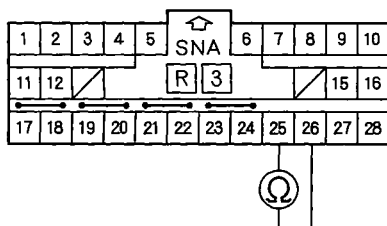


13. Turn the ignition switch OFF.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the left side impact sensor 4P connector (B).



15. Check resistance between the No. 25 and No. 26 terminals of SRS unit connector B (28P). There should be 0–1.0 Ω .

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty left side impact sensor (first) or SRS unit; replace the left side impact sensor (first) (see page 24-162). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness; replace the SRS wire harness. ■

DTC 44-11: No Signal from the Right Side Impact Sensor (first)

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-24).

Is DTC 44-11 indicated?

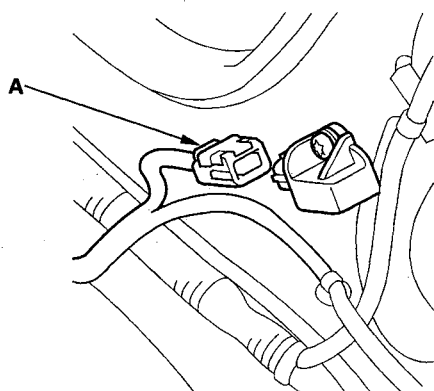
YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index. ■

(cont'd)

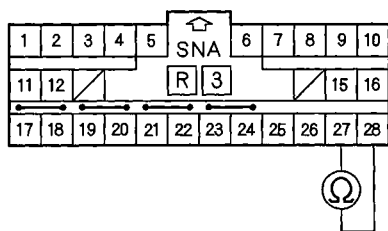
DTC Troubleshooting (cont'd)

4. Turn the ignition switch OFF.
5. Disconnect the negative cable from the battery, and wait for 3 minutes.
6. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
7. Disconnect the SRS wire harness 4P connector (A) from the right side impact sensor (first) (see step 3 on page 24-162).



8. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
9. Check resistance between the No. 27 and No. 28 terminals of SRS unit connector B (28P). There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

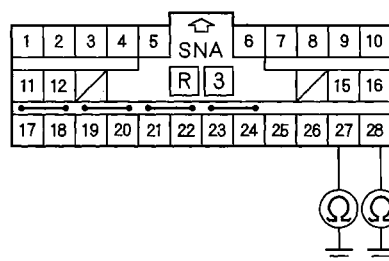
Is the resistance as specified?

YES—Go to step 10.

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

10. Check resistance between the No. 28 terminal of SRS unit connector B (28P) and body ground, and between the No. 27 terminal and body ground. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

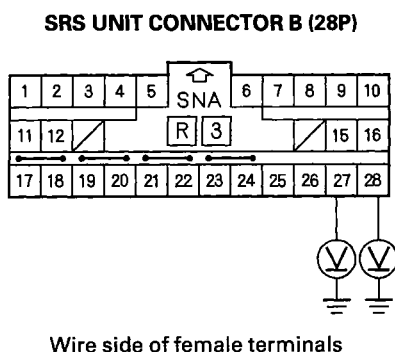
Is the resistance as specified?

YES—Go to step 11.

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



11. Reconnect the negative cable to the battery.
12. Turn the ignition switch ON (II).
13. Check for voltage between the No. 28 terminal of SRS unit connector B (28P) and body ground, and between the No. 27 terminal and body ground. There should be 1 V or less.

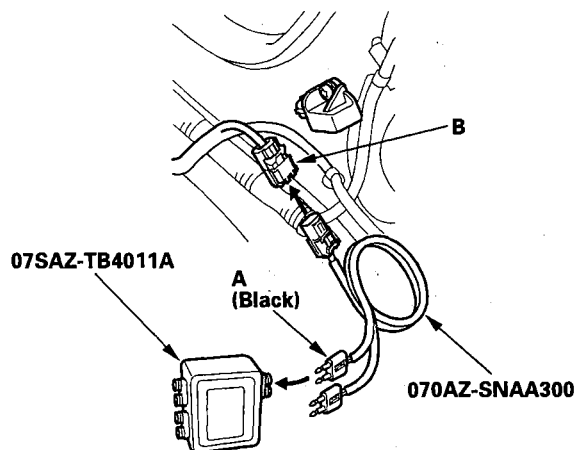


Is the voltage as specified?

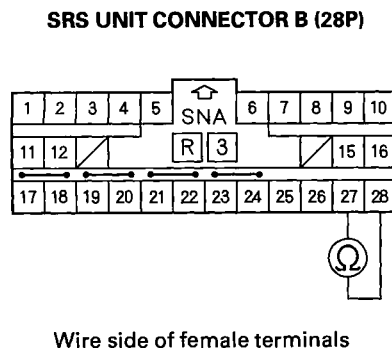
YES—Go to step 14.

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

14. Turn the ignition switch OFF.
15. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the right side impact sensor 4P connector (B).



16. Check resistance between the No. 27 and No. 28 terminals of SRS unit connector B (28P). There should be 0—1.0 Ω .



Is the resistance as specified?

YES—Faulty right side impact sensor (first) or SRS unit; replace the right side impact sensor (first) (see page 24-162). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 43-21, 43-81, 43-91, 43-A1, 43-B1, 43-B2: Internal Failure of the Left Side Impact Sensor (first)

1. Erase the DTC memory (see page 24-25).
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 43-21, 43-81, 43-91, 43-A1, 43-B1, or 43-B2 indicated?

YES—Replace the left side impact sensor (first) (see page 24-162). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC 44-21, 44-81, 44-91, 44-A1, 44-B1, 44-B2 Internal Failure of the Right Side Impact Sensor (first)

1. Erase the DTC memory (see page 24-25).
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 44-21, 44-81, 44-91, 44-A1, 44-B1, or 44-B2 indicated?

YES—Replace the right side impact sensor (first) (see page 24-162). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.



DTC 45-11: No Signal from the Left Side Impact Sensor (second)

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-24).

Is DTC 45-11 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

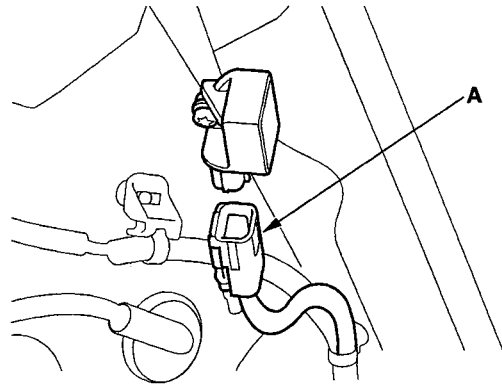
4. Read the DTC.

Is DTC 43-11 also indicated?

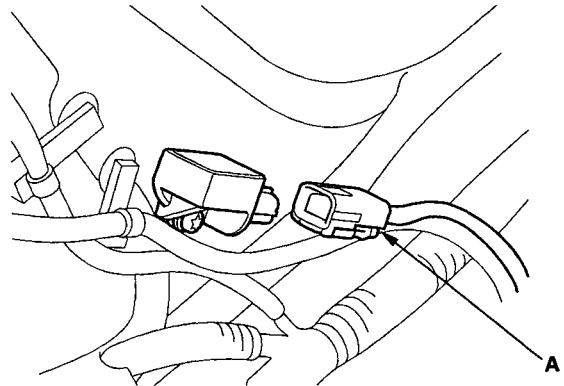
YES—Faulty left side impact sensor (second); replace the left side impact sensor (second) (see page 24-163). ■

NO—Go to step 5.

5. Turn the ignition switch OFF.
6. Disconnect the negative cable from the battery, and wait for 3 minutes.
7. Disconnect SRS wire harness 4P connector (A) from the left side impact sensor (second) (see page 24-163).



8. Disconnect the SRS wire harness 4P connector (A) from the left side impact sensor (first) (see page 24-162).

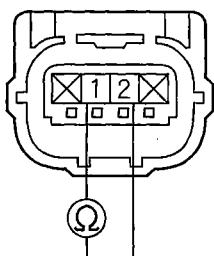


(cont'd)

DTC Troubleshooting (cont'd)

9. Check resistance between the No. 1 and No. 2 terminals of left side impact sensor (second) 2P connector. There should be an open circuit or at least 1 M Ω .

**LEFT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



Terminal side of female terminals

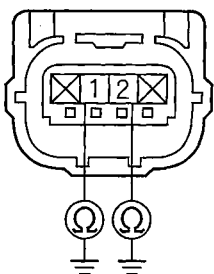
Is the resistance as specified?

YES—Go to step 10.

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

10. Check resistance between the No. 1 terminal of left side impact sensor (second) 2P connector and body ground, and between the No. 2 terminal and body ground. There should be an open circuit or at least 1 M Ω .

**LEFT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



Terminal side of female terminals

Is the resistance as specified?

YES—Go to step 11.

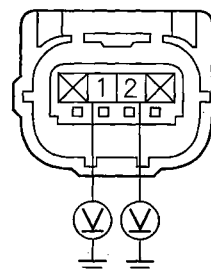
NO—Short to ground in the SRS wire harness; replace the SRS wire harness. ■

11. Reconnect the negative cable to the battery.

12. Turn the ignition switch ON (II).

13. Check for voltage between the No. 1 terminal of left side impact sensor (second) 2P connector and body ground, and between the No. 2 terminal and body ground. There should be 1 V or less.

**LEFT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



Terminal side of female terminals

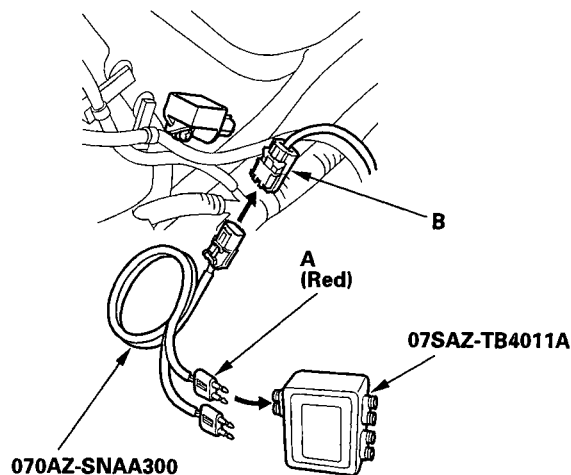
Is the voltage as specified?

YES—Go to step 14.

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

14. Turn the ignition switch OFF.

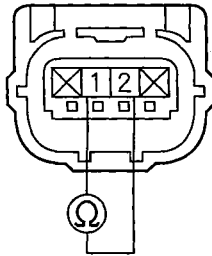
15. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the left side impact sensor (first) 2P connector (B).





16. Check resistance between the No. 1 and No. 2 terminals of left side impact sensor (second) 2P connector. There should be 0—1.0 Ω .

**LEFT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



Terminal side of female terminals

Is the resistance as specified?

YES—Faulty left side impact sensor (second) or poor connection at left side impact sensor (second) 2P connector. Check the connection; if the connection is OK, replace the left side impact sensor (second) (see page 24-163). ■

NO—Open in the SRS wire harness; replace the SRS wire harness. ■

DTC 46-11: No Signal from the Right Side Impact Sensor (second)

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and wait for 10 seconds.
3. Read the DTC (see page 24-24).

Is DTC 46-11 indicated?

YES—Go to step 4.

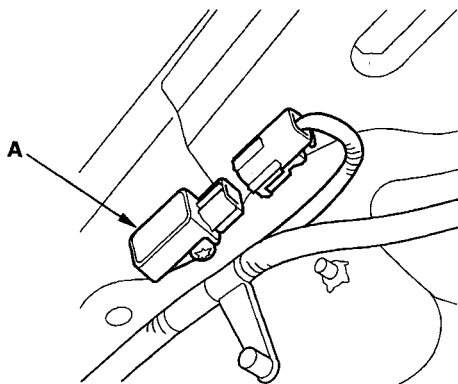
NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index. ■

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

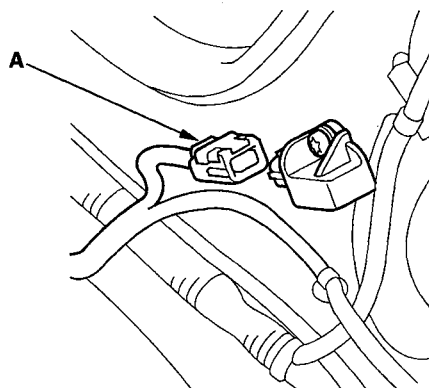
(cont'd)

DTC Troubleshooting (cont'd)

6. Disconnect the SRS wire harness 2P connector (A) from the right side impact sensor (second) (see page 24-163).

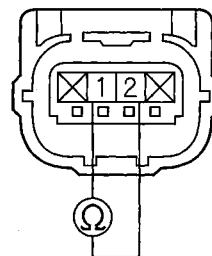


7. Disconnect the SRS wire harness 4P connector (A) from the right side impact sensor (first) (see page 24-162).



8. Check resistance between the No. 1 and No. 2 terminals of right side impact sensor (second) 2P connector. There should be an open circuit or at least 1 M Ω .

RIGHT SIDE IMPACT SENSOR (SECOND) 2P CONNECTOR



Terminal side of female terminals

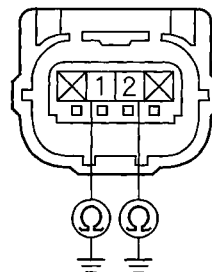
Is the resistance as specified?

YES—Go to step 9.

NO—Short in the SRS wire harness; replace the SRS wire harness. ■

9. Check resistance between the No. 1 terminal of right side impact sensor (second) 2P connector and body ground, and between the No. 2 terminal and body ground. There should be an open circuit or at least 1 M Ω .

RIGHT SIDE IMPACT SENSOR (SECOND) 2P CONNECTOR



Terminal side of female terminals

Is the resistance as specified?

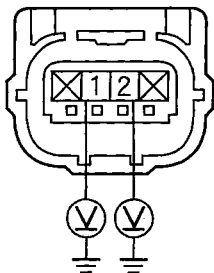
YES—Go to step 10.

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



10. Reconnect the negative cable to the battery.
11. Turn the ignition switch ON (II).
12. Check for voltage between the No. 1 terminal of right side impact sensor (second) 2P connector and body ground, and between the No. 2 terminal and body ground. There should be 1 V or less.

**RIGHT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



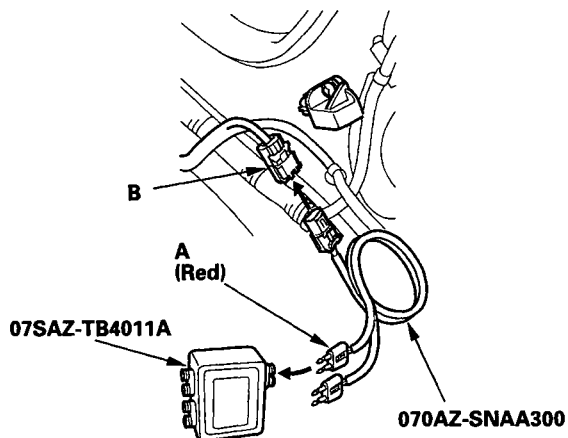
Terminal side of female terminals

Is the voltage as specified?

YES—Go to step 13.

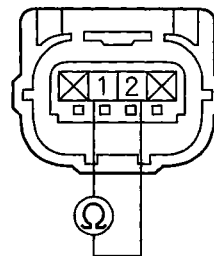
NO—Short to power in the SRS wire harness; replace the SRS wire harness. ■

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 side impact sensor (first) 4P connector (B).



15. Check resistance between the No. 1 and No. 2 terminals of right side impact sensor (second) 2P connector. There should be 0—1.0 Ω .

**RIGHT SIDE IMPACT SENSOR
(SECOND) 2P CONNECTOR**



Terminal side of female terminals

Is the resistance as specified?

YES—Faulty right side impact sensor (second) or poor connection at right side impact sensor (second) 2P connector. Check the connection; if the connection is OK, replace the right side impact sensor (second) (see page 24-163). ■

NO—Open in the SRS wire harness; replace the SRS wire harness. ■

DTC Troubleshooting (cont'd)

DTC 45-21, 45-81, 45-91, 45-A1, 45-B1, 45-B2: Internal Failure of the Left Side Impact Sensor (second)

1. Erase the DTC memory (see page 24-25).
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 45-21, 45-81, 45-91, 45-A1, 45-B1, or 45-B2 indicated?

YES—Replace the left side impact sensor (second) (see page 24-163). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC 46-21, 46-81, 46-91, 46-A1, 46-B1, 46-B2: Internal Failure of the Right Side Impact Sensor (second)

1. Erase the DTC memory (see page 24-25).
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 46-21, 46-81, 46-91, 46-A1, 46-B1, or 46-B2 indicated?

YES—Replace the right side impact sensor (second) (see page 24-163). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.



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. 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 customer if the battery ever went dead. A dead battery may trigger one of these DTCs.

1. Erase the DTC memory (see page 24-25).
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 51-xx, 52-xx, 53-xx, 54-xx, 55-xx, or 57-xx indicated?

YES—Replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC E2-11, E4-11, F1-11, F2-11, F3-11, F4-11, F5-11, F6-11: Airbags, Side Airbags, Side Curtain Airbags, Seat Belt Tensioners and/or Seat Belt Buckle Tensioner Deployed

The SRS unit must be replaced after any airbags and/or tensioners have deployed (see page 24-154). ■

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 passenger's side airbag deployment but the airbag was prevented from deploying by the ODS. Replace the right side impact sensor (see page 24-162).

DTC Troubleshooting (cont'd)

DTC 61-11: Open in Driver's Seat Belt Buckle Switch

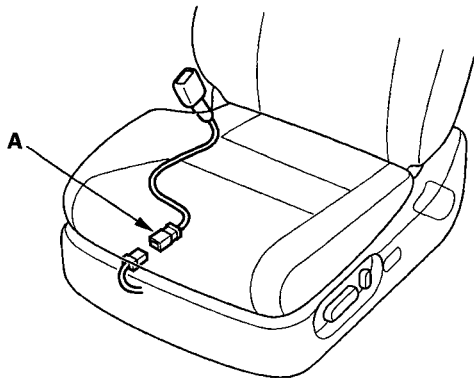
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), then buckle and unbuckle the driver's seat belt several times.
3. Read the DTC (see page 24-24).

Is DTC 61-11 indicated?

YES—Go to step 4.

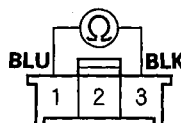
NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. 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.
 - If UNBUCKLED is indicated only when the driver's seat belt is buckled, go to step 5.
 - If BUCKLED is indicated only when the driver's seat belt is unbuckled, go to step 12.
 - If OPEN is indicated only when the driver's seat belt is buckled and unbuckled, go to step 20.
5. Turn the ignition switch OFF.
6. Disconnect the driver's seat wire harness 3P connector from the driver's seat belt buckle switch 3P connector (A).



7. Buckle the driver's seat belt. Check resistance between the No. 1 and No. 3 terminals of the driver's seat belt buckle switch 3P connector. There should be 0—1 Ω .

DRIVER'S SEAT BELT BUCKLE SWITCH 3P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 8.

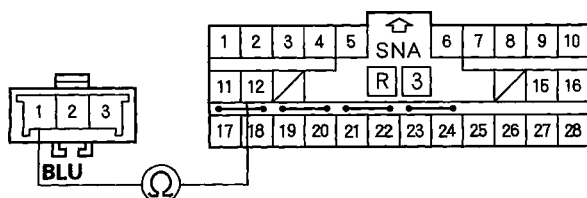
NO—Replace the driver's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

8. Disconnect the negative cable from the battery, and wait for 3 minutes.
9. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).



10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
11. Check resistance between the No. 12 terminal of SRS unit connector B (28P) and the No. 1 terminal of the driver's seat wire harness 3P connector. There should be 0—1 Ω .

DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR



Terminal side of male terminals

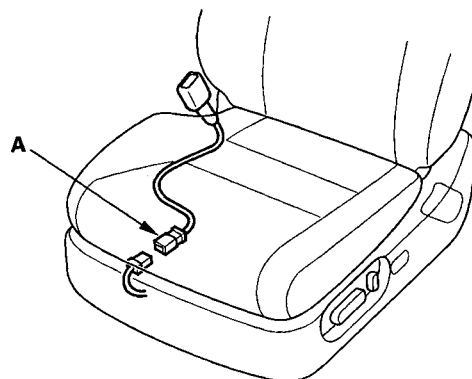
Wire side of female terminals

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 between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-161). ■

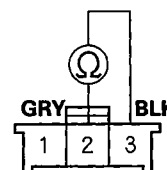
NO—Open in the SRS wire harness, driver's seat wire harness or poor connection at C701 (see page 22-38). Check the connection; if the connection is OK, replace the faulty harness. ■

12. Turn the ignition switch OFF.
13. Disconnect the driver's seat wire harness 3P connector from the driver's seat belt buckle switch 3P connector (A).



14. Unbuckle the driver's seat belt.
15. Check resistance between the No. 2 and No. 3 terminals of the driver's seat belt buckle switch 3P connector. There should be 0—1 Ω .

DRIVER'S SEAT BELT BUCKLE SWITCH 3P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 16.

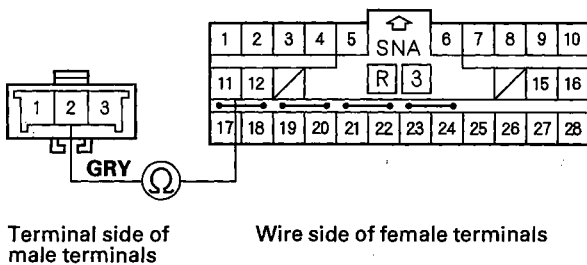
NO—Replace the driver's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

(cont'd)

DTC Troubleshooting (cont'd)

16. Disconnect the negative cable from the battery, and wait for 3 minutes.
17. Disconnect the seat belt tensioner 4P connectors (see step 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
18. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
19. Check resistance between the No. 11 terminal of SRS unit connector B (28P) and the No. 2 terminal of the driver's seat wire harness 3P connector. There should be 0—1 Ω .

DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR

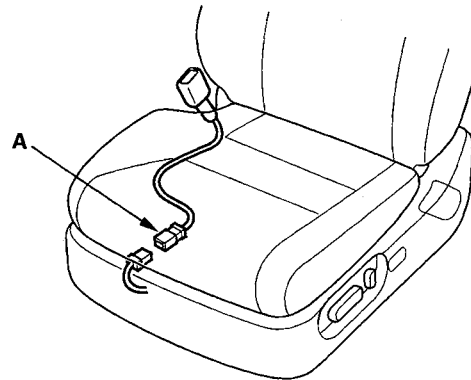


Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-161). ■

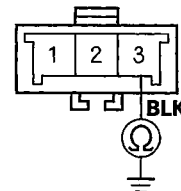
NO—Open in the SRS wire harness, driver's seat wire harness or poor connection at C701 (see page 22-38). Check the connection; if the connection is OK, replace the faulty harness. ■

20. Turn the ignition switch OFF.
21. Disconnect the driver's seat wire harness 3P connector from the driver's seat belt buckle switch 3P connector (A).



22. Unbuckle the driver's seat belt.
23. Check resistance between the No. 3 terminal of the driver's power seat wire harness 3P connector and body ground. There should be 0—1 Ω .

DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR



Terminal side of male terminals

Is the resistance as specified?

YES—Replace the driver's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

NO—Open in the SRS wire harness or poor connection at C701 (see page 22-38). Check the connection; if the connection is OK, replace the driver's seat wire harness or poor ground connection at G551 (see page 22-38). If G551 is OK, replace the faulty harness. ■



DTC 61-21: Short in Driver's Seat Belt Buckle Switch

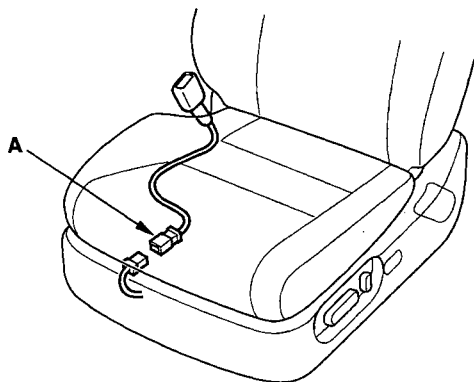
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), then buckle and unbuckle the driver's seat belt several times.
3. Read the DTC (see page 24-24).

Is DTC 61-21 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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.

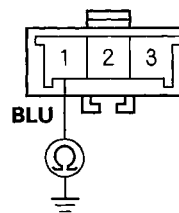
Is OPEN indicated on the HDS?

YES—Replace the driver's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

NO—Go to step 8.

8. Turn the ignition switch OFF.
9. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect the seat belt tensioner 4P connectors (see step 10 on page 24-23) and both seat belt buckle tensioner 4P connector (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 1 terminal of the driver's seat wire harness 3P connector and body ground. There should be an open circuit or at least 1 M Ω .

DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR



Terminal side of male terminals

Is the resistance as specified?

YES—Go to step 13.

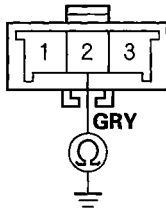
NO—Short to ground in the SRS main harness or driver's seat wire harness; replace the faulty harness. ■

(cont'd)

DTC Troubleshooting (cont'd)

13. Check resistance between the No. 2 terminals of the driver's seat wire harness 3P connector and body ground. There should be an open circuit or at least 1 M Ω .

DRIVER'S SEAT WIRE HARNESS 3P CONNECTOR



Terminal side of male terminals

Is there continuity?

YES—Faulty SRS unit; replace the SRS unit (see page 24-161). ■

NO—Short to ground in the driver's seat wire harness; replace the driver's seat wire harness. ■

DTC 62-11: Open in Front Passenger's Seat Belt Buckle Switch

1. Erase the DTC memory (see page 24-25).
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 24-24).

Is DTC 62-11 indicated?

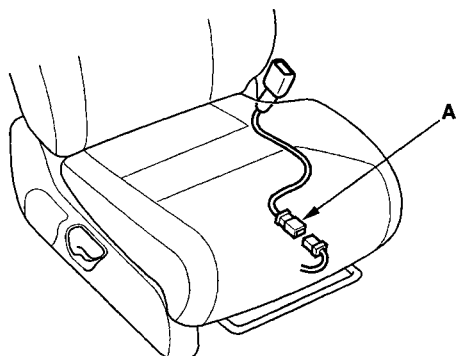
YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. 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.
 - If UNBUCKLED is indicated only when the front passenger's seat belt is buckled, go to step 5.
 - If BUCKLED is indicated only when the front passenger's seat belt is unbuckled, go to step 12.
 - If OPEN is indicated only when the front passenger's seat belt is buckled and unbuckled, go to step 20.
5. Turn the ignition switch OFF.

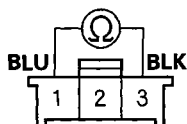


6. Disconnect the ODS unit harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).



7. Buckle the front passenger's seat belt. Check resistance between the No. 1 and No. 3 terminals of the front passenger's seat belt buckle switch 3P connector. There should be 0—1 Ω .

**FRONT PASSENGER'S SEAT BELT
BUCKLE SWITCH 3P CONNECTOR**



Wire side of female terminals

Is the resistance specified?

YES—Go to step 8.

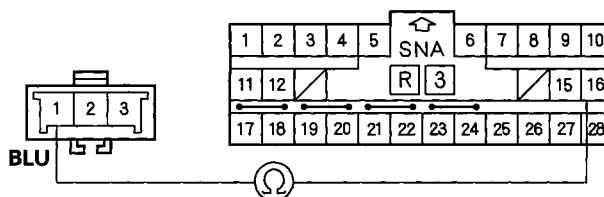
NO—Replace the front passenger's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

8. Disconnect the negative cable from the battery, and wait for 3 minutes.
9. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).

10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).

11. Check resistance between the No. 16 terminal of SRS unit connector B (28P) and the No. 1 terminal of the ODS unit harness 3P connector. There should be 0—1 Ω .

ODS UNIT HARNESS 3P CONNECTOR SRS UNIT CONNECTOR B (28P)



Terminal side of
male terminals

Wire side of female terminals

Is the resistance as specified?

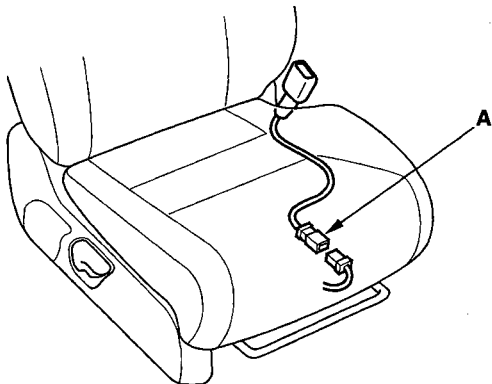
YES—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness, ODS unit harness or poor connection at C703. Check the connection; if the connection is OK, replace the faulty harness. ■

(cont'd)

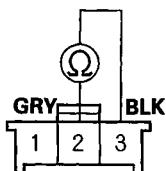
DTC Troubleshooting (cont'd)

12. Turn the ignition switch OFF.
13. Disconnect the ODS unit harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).



14. Unbuckle the front passenger's seat belt.
15. Check resistance between the No. 2 and No. 3 terminals of the front passenger's seat belt buckle switch 3P connector. There should be 0—1 Ω .

FRONT PASSENGER'S SEAT BELT BUCKLE SWITCH 3P CONNECTOR



Wire side of female terminals

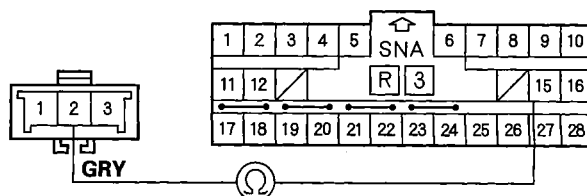
Is the resistance as specified?

YES—Go to step 16.

NO—Replace the front passenger's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

16. Disconnect the negative cable from the battery, and wait for 3 minutes.
17. Disconnect both seat belt tensioner 4P connectors (see step 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
18. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
19. Check resistance between the No. 15 terminal of SRS unit connector B (28P) and the No. 2 terminal of the ODS unit harness 3P connector. There should be 0—1 Ω .

ODS UNIT HARNESS 3P CONNECTOR SRS UNIT CONNECTOR B (28P)



Terminal side of male terminals

Wire side of female terminals

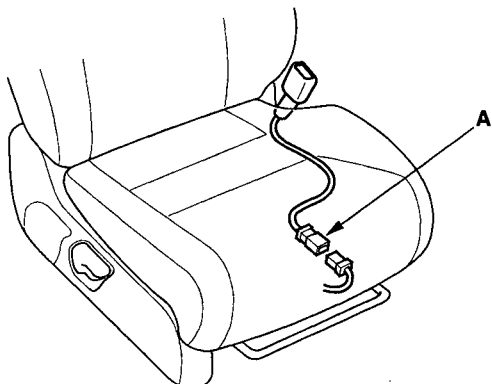
Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (28P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness, ODS unit harness or poor connection at C703. Check the connection; if the connection is OK, replace the faulty harness. ■

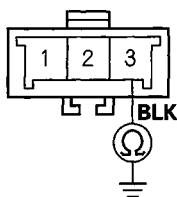


20. Turn the ignition switch OFF.
21. Disconnect the ODS unit harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).



22. Unbuckle the front passenger's seat belt.
23. Check resistance between the No. 3 terminal of the ODS unit harness 3P connector and body ground. There should be 0—1 Ω .

ODS UNIT HARNESS 3P CONNECTOR



Terminal side of male terminals

Is the resistance as specified?

YES—Replace the front passenger's seat belt buckle assembly (see page 24-6), then erase the DTC. ■

NO—Open in the SRS wire harness, ODS unit harness, poor connection at C703 and poor ground connection at G552 (see page 22-39). C703 and G552 connection is OK, replace the faulty harness. ■

DTC 62-21: Short in Front Passenger's Seat Belt Buckle Switch

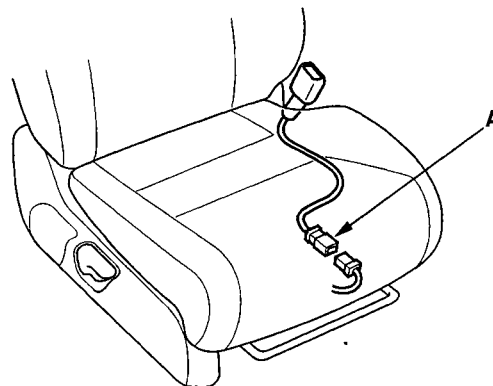
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), then buckle and unbuckle the front passenger's seat belt several times.
3. Read the DTC (see page 24-24).

Is DTC 62-21 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Turn the ignition switch OFF.
5. Disconnect the ODS unit harness 3P connector from the front passenger's seat belt buckle switch 3P connector (A).



6. Turn the ignition switch ON (II).

(cont'd)

DTC Troubleshooting (cont'd)

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.

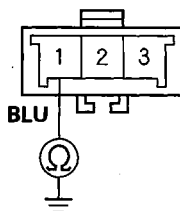
Is OPEN indicated on the HDS?

YES—Replace the front passenger's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

NO—Go to step 8.

8. Turn the ignition switch OFF.
9. Disconnect the negative cable from the battery, and wait for 3 minutes.
10. Disconnect both seat belt tensioner 4P connectors (see step 10 on page 24-23) and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
11. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
12. Check resistance between the No. 1 terminal of the ODS unit harness 3P connector and body ground. There should be an open circuit or at least 1 M Ω .

ODS UNIT HARNESS 3P CONNECTOR



Terminal side of male terminals

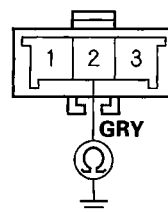
Is the resistance as specified?

YES—Go to step 13.

NO—Short to ground in the SRS wire harness or ODS unit harness; replace the faulty harness. ■

13. Check resistance between the No. 2 terminal of the ODS unit harness 3P connector and body ground. There should be an open circuit or at least 1 M Ω .

ODS UNIT HARNESS 3P CONNECTOR



Terminal side of male terminals

Is there continuity?

YES—Faulty SRS unit; Replace the SRS unit (see page 24-161). ■

NO—Short to ground in the SRS wire harness or ODS unit harness; replace the faulty harness. ■



DTC 71-11: Open in Driver's Seat Position Sensor

1. Erase the DTC memory (see page 24-25).
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 71-11 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 24-12).
4. Erase the DTC memory.
5. Read the DTC (see page 24-24).

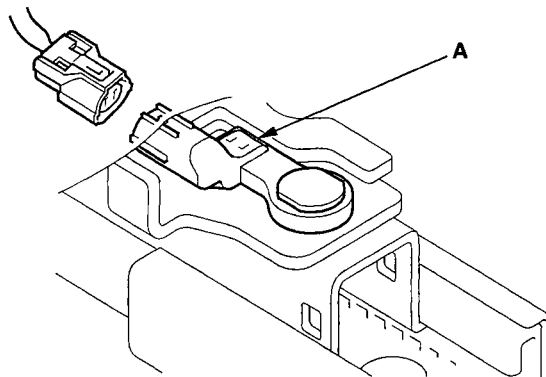
Is DTC 71-11 indicated?

YES—Go to step 6.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

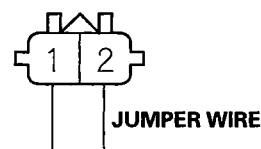
6. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.

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



Terminal side of female terminals

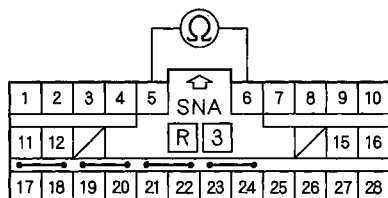
9. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).

(cont'd)

DTC Troubleshooting (cont'd)

10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
11. Check resistance between the No. 5 and No. 6 terminals of SRS unit connector B (28P). There should be 0—1.0 Ω .

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 24-169). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness or the driver's seat wire harness; replace the faulty harness. ■

DTC 71-21: Short in Driver's Seat Position Sensor

1. Erase the DTC memory (see page 24-25).
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 71-21 indicated?

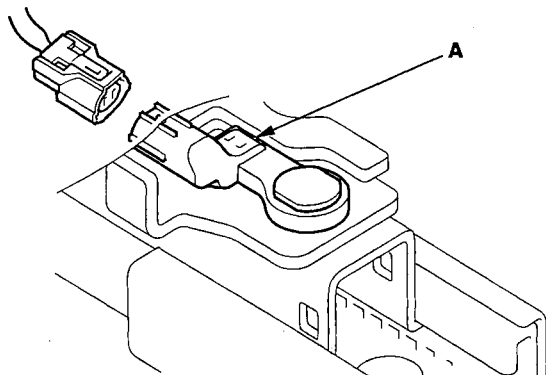
YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 24-12).



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

Is DTC 71-21 indicated?

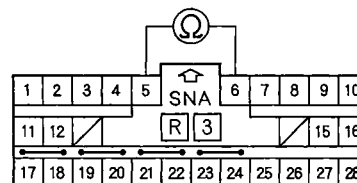
YES—Go to step 8.

NO—Faulty driver's seat position sensor; replace the driver's seat position sensor (see page 24-169). ■

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 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
10. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).

11. Check 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 Ω .

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

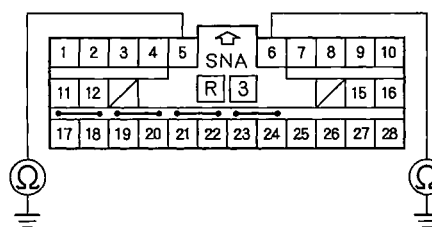
Is the resistance as specified?

YES—Go to step 12.

NO—Short in the SRS wire harness or the driver's seat wire harness; replace the faulty harness. ■

12. Check 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 Ω .

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 24-169). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Short to ground in the SRS wire harness or the drivers seat wire harness; replace the faulty harness. ■

DTC Troubleshooting (cont'd)

DTC 71-22: Short to Power in Driver's Seat Position Sensor

NOTE: Use the HDS to confirm the driver's seat position before proceeding with troubleshooting (see page 24-31).

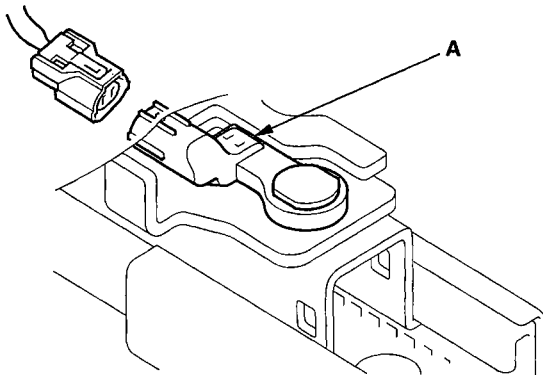
1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator stay on, and is DTC 71-22 indicated?

YES—Go to step 3.

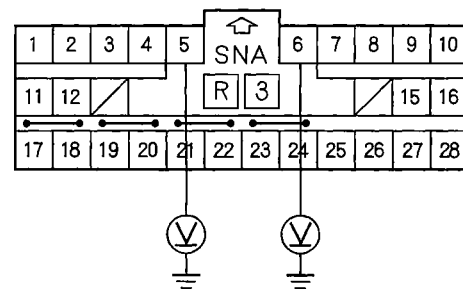
NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

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).



5. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
6. Disconnect SRS unit connector B (28P) from the SRS unit (see step 14 on page 24-23).
7. Check the voltage 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 1 V or less.

SRS UNIT CONNECTOR B (28P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty driver's seat position sensor or SRS unit; replace the driver's seat position sensor (see page 24-169). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Short to power in the SRS wire harness or the driver's seat wire harness; replace the faulty harness. ■



DTC 81-61, 85-61: No Signal from ODS Unit

DTC 81-62, 85-62: Non-stipulated Response Data

1. Make sure nothing is on the front passenger's seat.
2. Erase the DTC memory (see page 24-25).
3. Read the DTC (see page 24-24).

Is DTC 81-61, 85-61, 81-62, or 85-62 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 (see step 4 on page 24-167).

Is the connection OK?

YES—Go to step 5.

NO—Repair the poor connection and retest. If DTC 81-61, 81-62, 85-61, or 85-62 is still present, go to step 5.

5. Turn the ignition switch OFF.

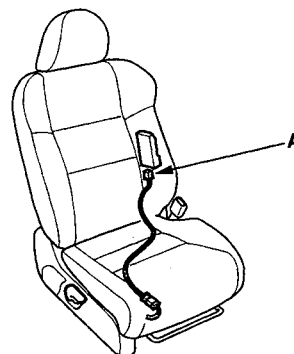
6. Check the No. 9 (7.5 A) fuse in the under-dash fuse/relay box.

Is the fuse OK?

YES—Go to step 7.

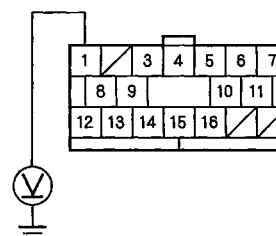
NO—Replace the fuse, then turn the ignition switch ON (II). If the fuse blows again, check for a short in the No. 9 (7.5 A) fuse circuit (dashboard wire harness, SRS wire harness, or ODS unit harness). ■

7. Disconnect the ODS unit harness 18P connector (A) from the ODS unit.



8. Turn the ignition switch ON (II).
9. Check for 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.

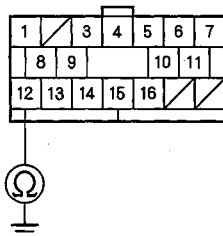
NO—Open in the dashboard harness, SRS wire harness, or ODS unit harness; Check for poor connection at C405 and C703 (see page 22-39). If connection is OK, replace the faulty harness. ■

(cont'd)

DTC Troubleshooting (cont'd)

10. Turn the ignition switch OFF.
11. Check resistance between the No. 12 terminal of the ODS unit harness 18P connector and body ground. There should be 0—1.0 Ω .

ODS UNIT HARNESS 18P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 12.

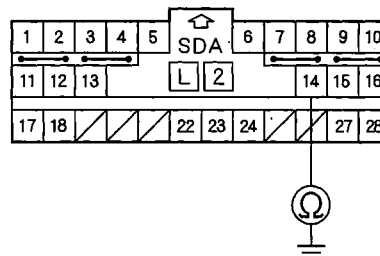
NO—Open in the SRS wire harness, ODS unit harness or poor ground connection at G552 (see page 22-39).

If G552 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 14 on page 24-23).

14. Check 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 Ω .

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

Is the resistance as specified?

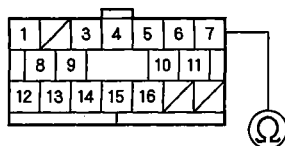
YES—Go to step 15.

NO—Short to ground in the dashboard wire harness, SRS main harness, or ODS unit harness; replace the faulty harness. ■

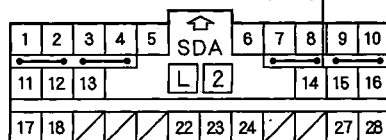


15. Check resistance between the No. 14 terminal of SRS unit connector A (28P) and the No. 7 terminal of the ODS unit harness 18P connector. There should be 0—1.0 Ω .

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 24-167). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Open in the dashboard wire harness, SRS wire harness or ODS unit harness. Check for poor connection at C405 and C703 (see page 22-39). If the connection is OK, replace the faulty harness. ■

DTC Troubleshooting (cont'd)

DTC 81-71, 81-78: ODS Unit does not Calibrate

1. Erase the DTC memory (see page 24-25).
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 24-29). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC 85-71, 85-78: ODS Unit does not Initialized

1. Erase the DTC memory (see page 24-25).
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—Initialize the ODS unit (see page 24-28). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.



DTC 81-4x, 81-63 ("x" can be 0 thru 9 or A thru F): Internal Failure of the ODS Unit

DTC 81-64: ECU (ODS unit) Serial ID Code Inconsistent/Internal Failure of the ODS Unit

1. Erase the DTC memory (see page 24-25).
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 24-167). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

DTC 81-79: Front Passenger's Weight Sensors Drift Check Failure

1. Erase the DTC memory (see page 24-25).
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, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 20-118) and the front passenger's weight sensors (see page 24-165), then reinstall them. Calibrate the ODS unit (see page 24-29). Retry the troubleshooting. If DTC 81-79 is still present, replace the front passenger's weight sensors. ■

DTC Troubleshooting (cont'd)

DTC 82-1x ("x" can be 0 thru 9 or A thru F): No Signal from the Inner Side Front Passenger's Weight Sensor

1. Erase the DTC memory (see page 24-25).
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 24-165). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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

1. Erase the DTC memory (see page 24-25).
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 front passenger's weight sensor (see page 24-165). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.



DTC 85-4x, 85-64 ("x" can be 0 thru 9 or A thru F): Internal Failure of the ODS Unit

DTC 85-63: ECU (ODS Unit) Serial ID Code Inconsistent/Internal Failure of the ODS Unit

NOTE: An incorrect ODS unit can cause DTC 85-63.

1. Erase the DTC memory (see page 24-25).
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, 85-63, or 85-64 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Initialize the ODS unit (see page 24-28).
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 24-167) and retest. ■

DTC 85-79: OPDS Sensor Drift Check Failure

1. Erase the DTC memory (see page 24-25).
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, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 24-28).
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 24-167) and retest. If the problem is still present, replace the OPDS sensor/seat-back (see page 20-126). ■

DTC Troubleshooting (cont'd)

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

1. Erase the DTC memory (see page 24-25).
2. Turn the ignition switch ON (II), and check that the SRS indicator comes on for about 6 seconds and then goes off.

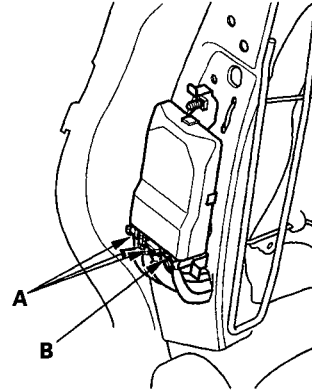
Does the SRS indicator stay on, and is DTC 86-1x or 86-2x indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). 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 connectors (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 20-126), and initialize the ODS (see page 24-28).
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 24-167). ■

NO—The system is OK. ■



DTC 92-11: Short to Power in the Passenger's Airbag Cutoff Indicator

NOTE: Information marked with an asterisk (*) applies to models with the navigation system.

1. Erase the DTC memory (see page 24-25).
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 92-11 indicated?

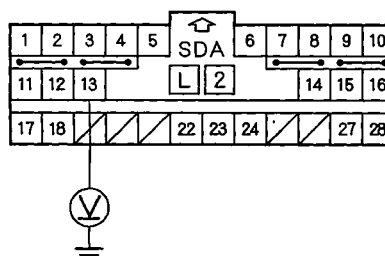
YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

3. Disconnect the audio display panel 20P connector A, or * navigation switch panel 6P connector B (see page 20-101).
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 14 on page 24-23).
6. Reconnect the negative cable to the battery.
7. Turn the ignition switch ON (III).
8. Check for 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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC 92-21: Open or Short to Ground in the Passenger's Airbag Cutoff Indicator

NOTE: Information marked with an asterisk (*) applies to models with the navigation system.

1. Erase the DTC memory (see page 24-25).
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 92-21 indicated?

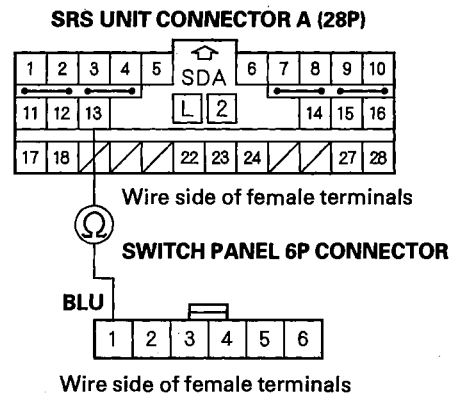
YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

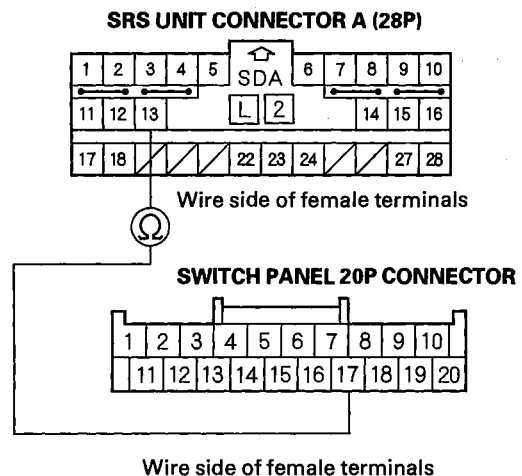
3. Disconnect the audio display panel 20P connector A, or *navigation switch panel 6P connector B (see page 20-101).
4. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
5. Disconnect SRS unit connector A (28P) from the SRS unit (see step 14 on page 24-23).

6. Check resistance between the No. 1* or No. 17 terminal of the switch panel 6P* or 20P connector and the No. 13 terminal of SRS unit connector A (28P). There should be 0—1.0 Ω .

With NAVI:



Without NAVI:



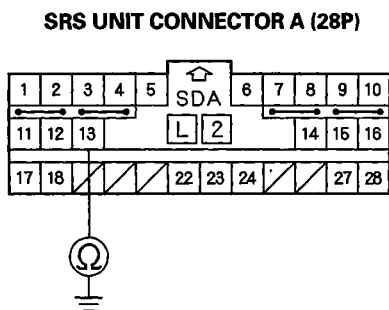
Is the resistance as specified?

YES—Go to step 7.

NO—Open in the dashboard wire harness; replace the dashboard wire harness. ■



7. Check 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 Ω .



Wire side of female terminals

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 24-161). ■

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

DTC Troubleshooting (cont'd)

DTC A1-11: Faulty Power Supply (VA Line)

1. Erase the DTC memory (see page 24-25).
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 24-24).

Is DTC A1-11 indicated?

YES—Go to step 4.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

4. Turn the ignition switch OFF.
5. Check the No. 9 (7.5 A) fuse in the under-dash fuse/relay box.

Is the fuse OK?

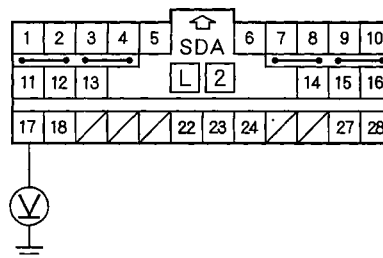
YES—Go to step 6.

NO—Replace the fuse, then turn the ignition switch ON (II). If the fuse blows again, check for a short in the No. 9 (7.5 A) fuse circuit (dashboard wire harness, SRS 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 14 on page 24-23).
8. Reconnect the negative cable to the battery.

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 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?

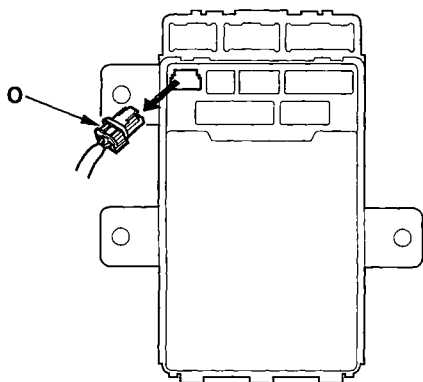
YES—Faulty SRS unit or poor connection at SRS unit connector (A) 28P and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-161). ■

NO—Go to step 10.



10. Turn the ignition switch OFF.

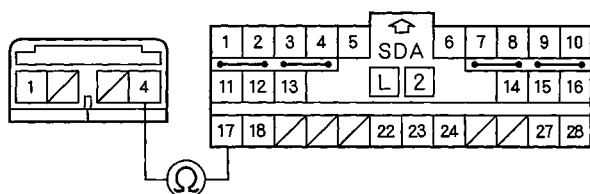
11. Disconnect under-dash fuse/relay box connector O (4P).



12. Check resistance between the No. 4 terminal of under-dash fuse/relay box connector O (4P) and the No. 17 terminal of SRS unit connector A (28P). There should be 0—1.0 Ω .

UNDER-DASH
FUSE/RELAY BOX
CONNECTOR O (4P)

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 contact between connector O (4P) and the under-dash fuse/relay box; check the connection. If the connection is OK, replace the under-dash fuse/relay box (see page 22-62). ■

NO—Open in the dashboard wire harness; replace the dashboard wire harness. ■

DTC A2-11: Faulty Power Supply (VB Line)

1. Check the No. 11 (10 A) fuse in the under-dash fuse/relay box.

Is the fuse OK?

YES—Go to step 2.

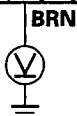
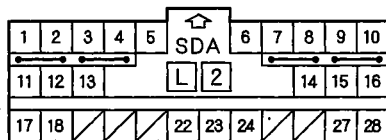
NO—Replace the fuse, then turn the ignition switch ON (II). If the fuse blows again, check for a Short to ground in the dashboard wire harness or in the under-dash fuse/relay box No. 11 (10 A) fuse circuit; replace the dashboard wire harness. If the problem is still there, replace the under-dash fuse/relay box (see page 22-62). ■

(cont'd)

DTC Troubleshooting (cont'd)

2. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
3. Disconnect SRS unit connector A (28P) from the SRS unit (see step 14 on page 24-23).
4. Reconnect the negative cable to the battery.
5. 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 voltage. There should be battery voltage when the ignition on.

SRS UNIT CONNECTOR A (28P)



Wire side of female terminals

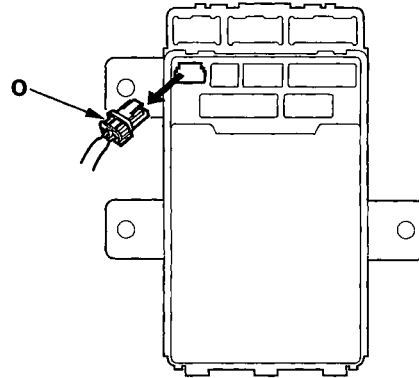
Is there battery voltage?

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 24-161). ■

NO—Go to step 6.

6. Turn the ignition switch OFF.

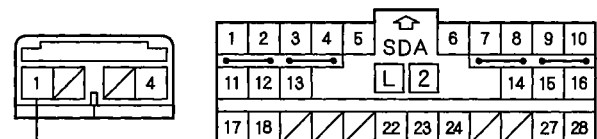
7. Disconnect under-dash fuse/relay box connector O (4P).



8. Check resistance between the No. 1 terminal of the under-dash fuse/relay box connector O (4P) and the No. 18 terminal of SRS unit connector A (28P). There should be 0—1.0 Ω .

UNDER-DASH FUSE/RELAY BOX CONNECTOR O (4P)

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 O (4P) and the under-dash fuse/relay box; check the connection. If the connection is OK, replace the under-dash fuse/relay box (see page 22-62). ■

NO—Open in the dashboard wire harness; replace the dashboard wire harness. ■



DTC B1-11: No Signal from the Roll Rate Sensor

Special Tools Required

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

1. Erase the DTC memory (see page 24-25).
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 B1-11 indicated?

YES—Go to step 3.

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

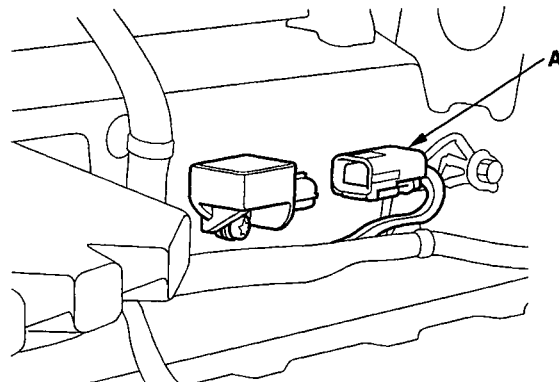
3. Turn the ignition switch OFF. Disconnect the negative cable from the battery, and wait for 3 minutes.
4. Check the connections between the SRS wire harness 2P connector and the roll rate sensor (see page 24-12).

Is the connection OK?

YES—Go to step 5.

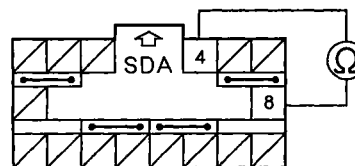
NO—Repair the poor connection and retest. If the DTC B1-11 is still present, go to step 5.

5. Disconnect the SRS wire harness 2P connector (A) from the roll rate sensor.



6. Disconnect SRS unit connector C (28P) from the SRS unit (see step 14 on page 24-23).
7. Check resistance between the No. 4 and No. 8 terminals of SRS unit connector C (16P). There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR C(16P)



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 8.

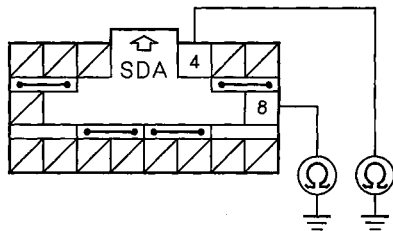
NO—Short in the SRS wire harness; replace the SRS wire harness. ■

(cont'd)

DTC Troubleshooting (cont'd)

8. Check resistance between the No. 4 terminal of SRS unit connector C (16P) and body ground, and between the No. 8 terminal and body ground. There should be an open circuit or at least $1\text{ M}\Omega$.

SRS UNIT CONNECTOR C(16P)



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 9.

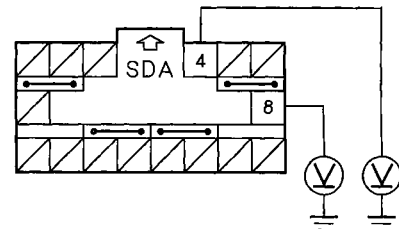
NO—Short to ground in the SRS wire harness; replace the SRS wire harness. ■

9. Reconnect the battery negative cable.

10. Turn the ignition switch ON (II).

11. Check for voltage between the No. 4 terminal of SRS unit connector C (16P) and body ground, and between the No. 8 terminal and body ground. There should be 1 V or less.

SRS UNIT CONNECTOR C(16P)



Wire side of female terminals

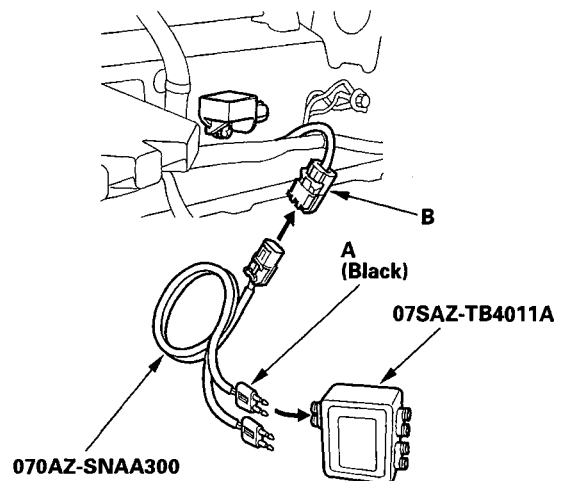
Is the voltage as specified?

YES—Go to step 12.

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

12. Turn the ignition switch OFF.

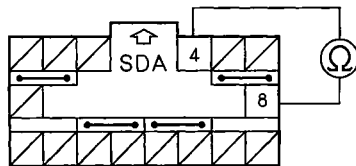
13. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS wire harness 2P connector (B).





14. Check resistance between the No. 4 and No. 8 terminals of SRS unit connector C (16P). There should be 0—1.0 Ω or less.

SRS UNIT CONNECTOR C(16P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty roll rate sensor or SRS unit; replace the roll rate sensor (see page 24-164). If the problem is still present, replace the SRS unit (see page 24-161). ■

NO—Open in the SRS wire harness; replace the SRS wire harness. ■

DTC B1-21, B1-81, B1-91, B1-A1, B1-B1, B1-B2: Internal Failure of the Roll Rate Sensor

1. Erase the DTC memory (see page 24-25).
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 B1-21, B1-81, B1-91, B1-A1, B1-B1, or B1-B2 indicated?

YES—Replace the roll rate sensor (see page 24-164). If the DTC returns, replace the SRS unit (see page 24-161). ■

NO—Intermittent failure, system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-26). If another DTC is indicated, go to the DTC Troubleshooting Index.

Symptom Troubleshooting

SRS indicator does not come on

1. Connect the HDS to the DLC (see page 24-24).
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 11-229).
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 22-258).

Does the SRS indicator come on?

YES—Faulty SRS unit; replace the SRS unit (see page 24-161). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-284). ■

SRS indicator stays on, but no DTCs are stored

1. Connect the HDS to the DLC (see page 24-24).
2. Turn the ignition switch ON (II).
3. Make sure the HDS communicates with the vehicle. If it does not communicate, troubleshoot the DLC circuit (see page 11-229).

4. Select Body Electrical status with the HDS.

5. Check the DTCs in the Gauge Menu with the HDS.

Is DTC B1187 indicated?

YES—Go to the DTC B1187 troubleshooting (see page 22-280).

NO—Go to step 6.

6. Check that the HDS communicates 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. If power and ground are still present, replace the SRS unit (see page 24-161). ■

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 24-161). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-284). ■



Side airbag cutoff indicator stays on or is flashing

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, but no DTCs are stored."

NO—Go to step 4.

4. Connect the HDS to the DLC (see page 24-24).
5. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not troubleshoot the DLC circuit (see page 11-229).
6. From the Main Menu on the HDS, select SRS, then PARAMETER INFORMATION. In the PARAMETER INFORMATION Menu, select "SCS, MES, Indicator," and read the what is indicated on the HDS.

Is OFF indicated on the HDS?

YES—Go to the gauge control module troubleshooting (see page 22-258). ■

NO—Faulty SRS unit; replace the SRS unit (see page 24-161). ■

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 24-140).

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 24-24).
3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not troubleshoot the DLC circuit (see page 11-229).
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 24-161). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-284). ■

Symptom Troubleshooting (cont'd)

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.
- Someone who is more than 30 kg (66 lbs) but is supporting some of their body weight on their legs, feet, arms, or hands.

1. Check for these items, then recheck the passenger's airbag cutoff indicator.

- The front passenger's seat is/was 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 passenger's seat was sitting in the proper sitting position.

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 24-24).
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 11-229).

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—Replace the SRS unit (see page 24-161). ■

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.
- Check the front passenger's weight sensors after a vehicle collision (see page 24-27).
- After a vehicle collision, do the ODS unit operation check (see page 24-30).

After a collision where the seat belt tensioners deployed, replace these items:

- SRS unit
- Seat belt tensioners
- Seat belt buckle tensioners
- Front impact sensors

After a collision where the front airbag(s) deployed, replace these items:

- SRS unit
- Deployed airbag(s)
- Seat belt tensioners
- Seat belt buckle tensioners
- Front impact sensors

After a collision where the side airbag(s) deployed, replace these items:

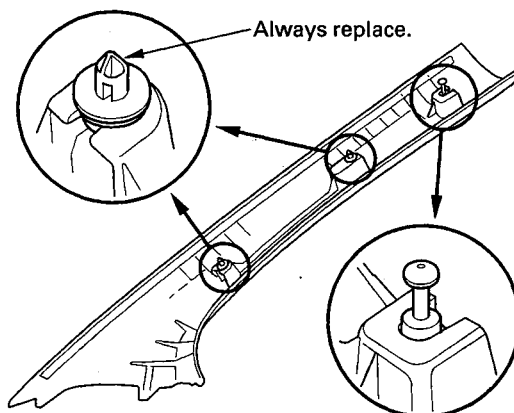
- SRS unit
- Deployed side airbag(s)
- Side impact sensor(s) (first) for the side(s) that deployed
- Side impact sensor(s) (second) for the side(s) that deployed
- B-pillar lower trim
- Complete seat frame
- Side airbag bracket

After a collision where the side curtain airbag(s) deployed, replace these items:

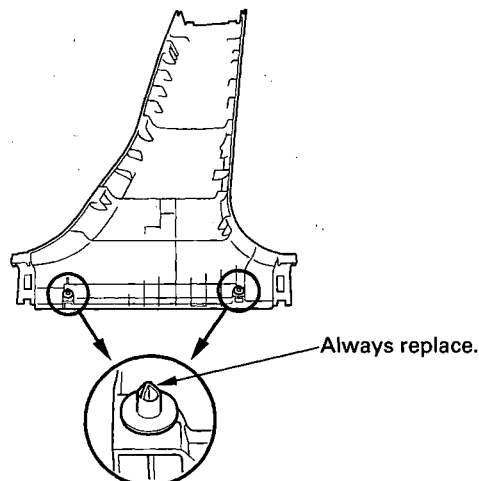
- SRS unit
- Deployed side curtain airbag(s)
- Seat belt tensioner(s) for the side(s) that deployed
- Side impact sensor(s) (first) for the side(s) that deployed
- Side impact sensor(s) (second) for the side(s) that deployed
- Roll rate sensor
- Roof trim
- A-pillar trim
- B-pillar lower trim
- C-pillar 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



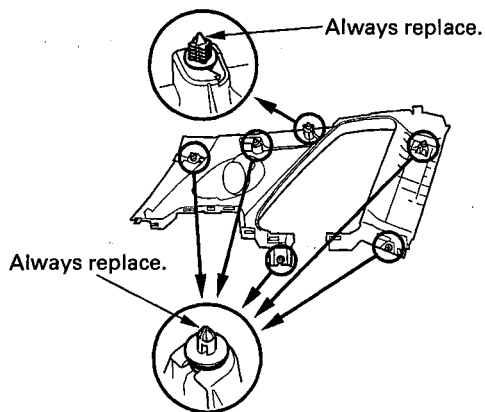
B-pillar trim



(cont'd)

Component Replacement/Inspection After Deployment (cont'd)

C-Pillar trim



During the repair process, inspect these areas:

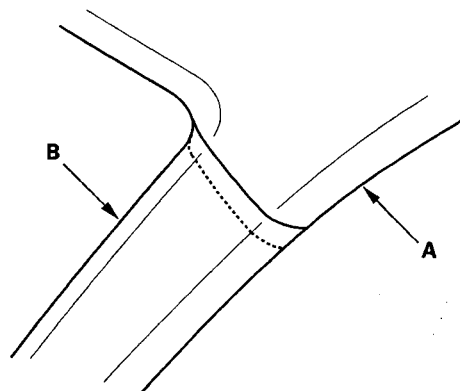
- Inspect all the SRS wire harnesses. Replace, do not repair, any damaged harnesses.
- Inspect the cable reel for heat damage. If there is any damage, replace the cable reel.

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 24-24). If you cannot retrieve a code, go to SRS Symptom Troubleshooting (see page 24-140).

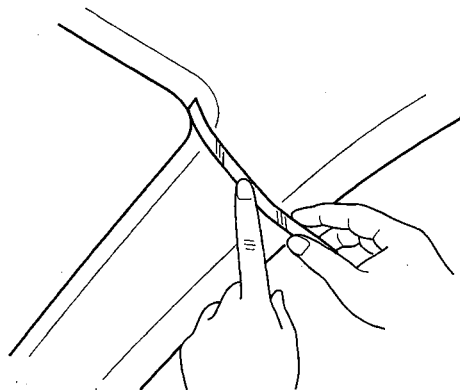
Checking and Adjusting the Headliner/Pillar Trim Overlap

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 trims (B).



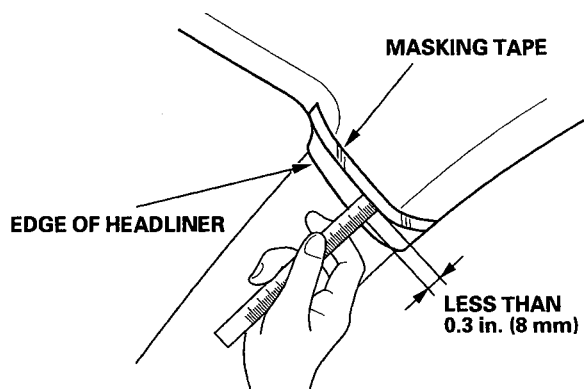
2. Using masking tape on the headliner, mark the upper edge of each pillar trim.



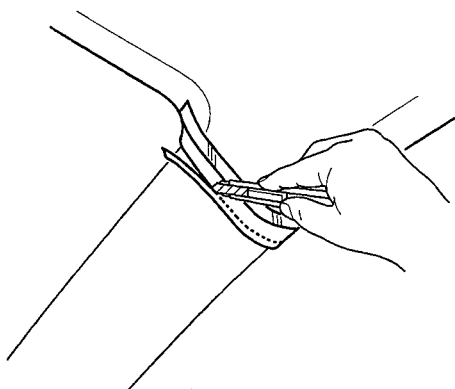


3. Remove the pillar trim, and measure the headliner overlap.

- 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).

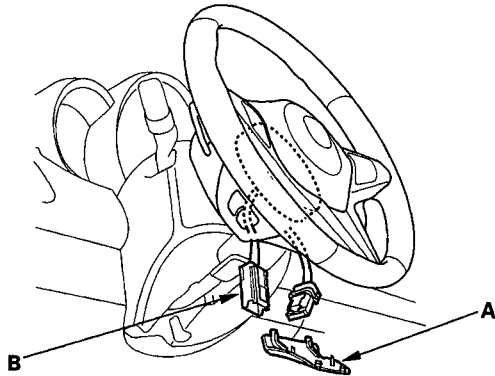


5. Remove the tape, and install the pillar trim.

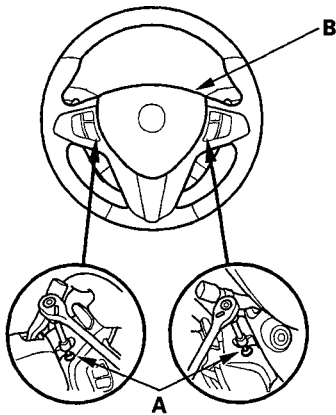
Driver's Airbag Replacement

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) from the cable reel.



3. Using a TORX T30 bit, remove the two TORX bolts (A) and discard them.

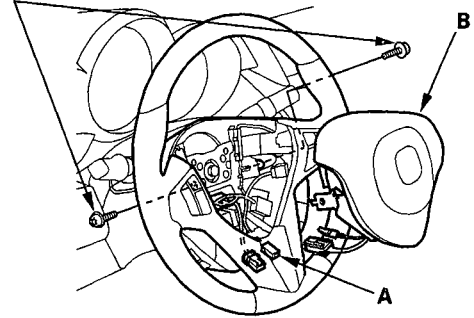


4. Disconnect the horn switch connector (1P), then remove the driver's airbag (B).

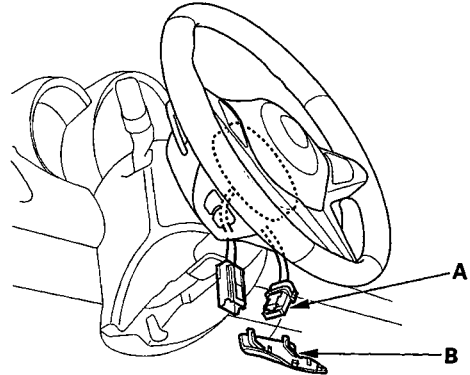
Installation

1. Connect the horn switch connector (1P) (A) to the driver's airbag.

C
9.8 N·m
(1.0 kgf·m, 7.2 lbf·ft)



2. Place the new driver's airbag (B) 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, then install the access panel (B) on the steering wheel.

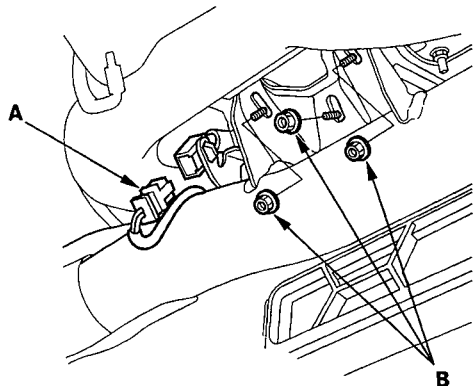


4. Connect the negative cable from the battery.
5. After installing the airbag, confirm proper system operation:
 - Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
 - Make sure the horn works.



Front Passenger's Airbag Replacement

1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the glove box (see page 20-104).
3. Disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag, then remove the three nuts (B).

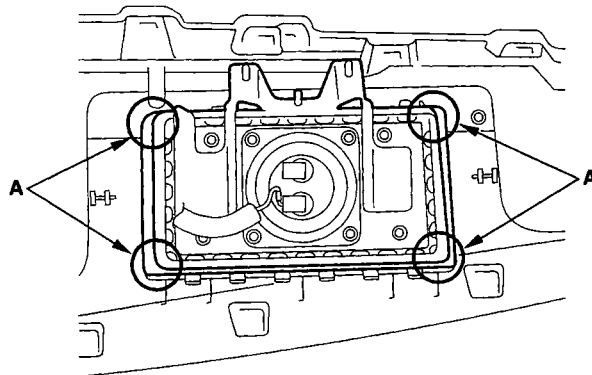


4. Remove the dashboard upper panel/front passenger's airbag assembly (see page 20-106). If you are replacing a deployed airbag, go to step 6 to install a new airbag and a new dashboard upper panel.

5. Cut the four parts of the lid as shown (A), and detach the front passenger's airbag.

NOTE:

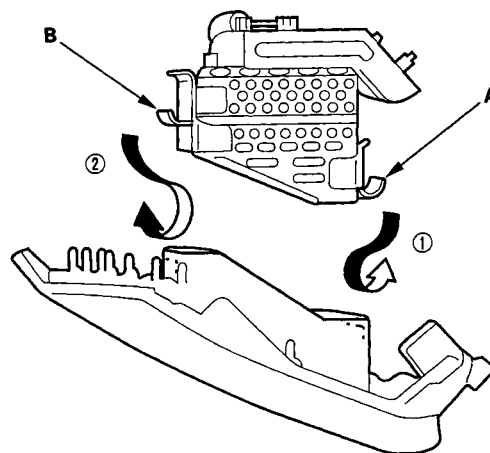
- Always replace the upper dashboard panel whenever you remove the airbag from the panel.
- Replace the airbag if the airbag mounting hooks or its housing is damaged.



6. Insert the hooks (A) of the front passenger's airbag housing into the new upper dashboard panel, then insert the other hooks (B) into the panel.

NOTE:

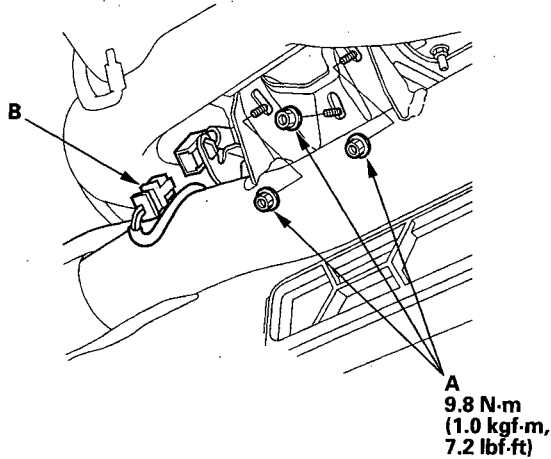
- Make sure there are no objects between the airbag and the upper panel.
- Make sure the airbag is fully seated, and make sure the upper panel is not deformed or damaged after the airbag is in place.
- Do not use tools when detaching the front passenger's airbag in order to protect it.



(cont'd)

Front Passenger's Airbag Replacement (cont'd)

7. Reinstall the dashboard upper panel/front passenger's airbag assembly (see page 20-106).
8. Install the three mounting nuts (A) to secure the airbag.



9. Reconnect the dashboard wire harness 4P connector (B) to the front passenger's airbag connector.
10. Reinstall the glove box (see page 20-104).
11. Reconnect the negative cable to the battery.
12. 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.



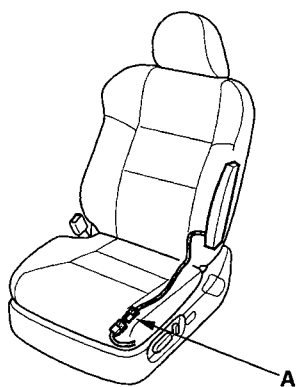
Side Airbag Replacement

NOTE:

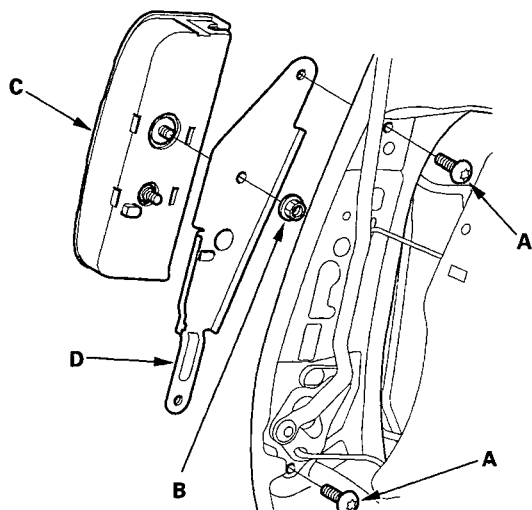
- Review the seat replacement procedure before doing repairs or service (see page 20-118).
- If the side airbag deployed, replace the seat frame (see page 20-121).

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 20-118) and seat-back cover (see page 20-126).
4. Remove the TORX bolts (A) and mounting nut (B), then remove the side airbag (C) and side airbag bracket (D).

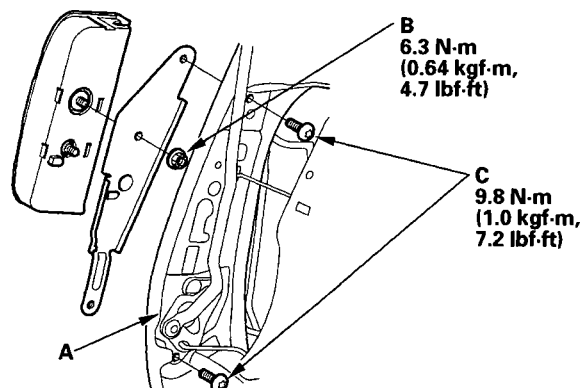


Installation

NOTE:

- If the side airbag lid is secured by tape, remove the tape.
- Do not open the lid of the side airbag cover.
- Use new mounting bolts tightened to the specified torque. When you replace a side airbag, 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 and the side airbag module bracket on the seat-back frame (A). Tighten the side airbag mounting nut (B) and TORX bolt (C).



2. Install the seat-back cover in the reverse order of removal (see page 20-126).
3. Install the seat assembly (see page 20-118), 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. 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.

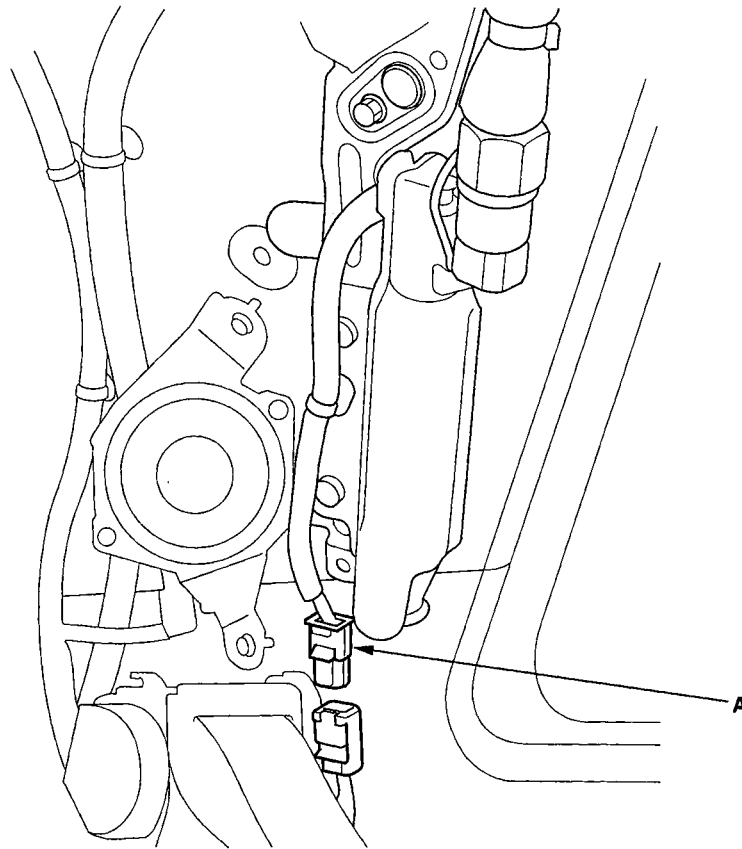
Side Curtain Airbag Replacement

Removal

NOTE:

- Review the interior trim replacement procedure before performing repair or service (see page 20-69).
- Removal of the side curtain airbag must be performed according to the precautions/procedures described at the beginning of the SRS section (see page 24-14).
- The side curtain airbag system consists of the side curtain airbag module, including the roof trim, front grab handle, all grab handle brackets, and shielding protector. After the side curtain airbag has been deployed, replace these parts (see page 24-143).

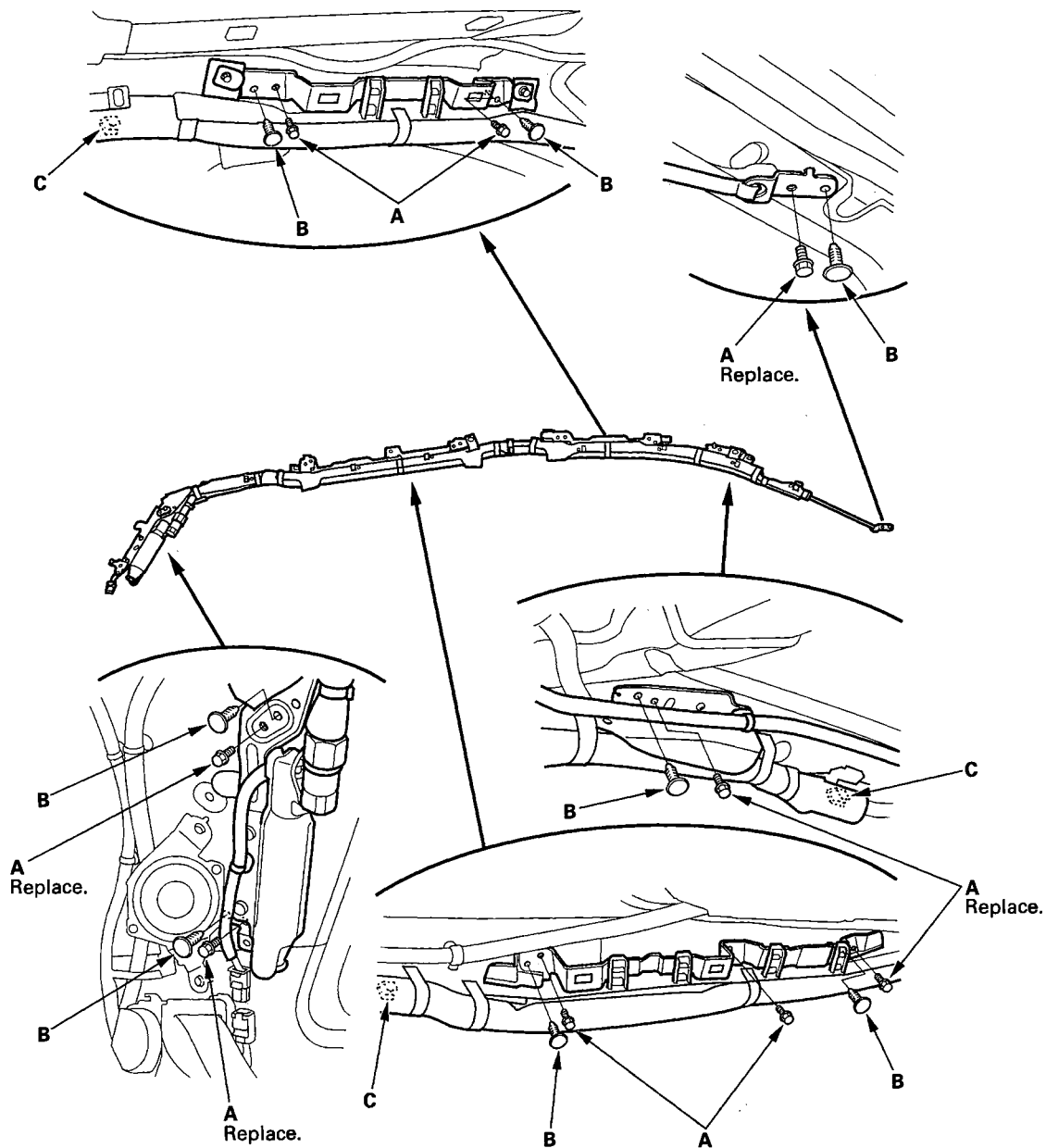
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the headliner (see page 20-85).
3. Disconnect the side curtain airbag 2P connector (A) from the SRS wire harness.



Left side shown ; Right side is similar.



4. Remove the mounting bolts (A) and clips (B) from the bracket. Replace the bolt.
5. Remove the hook (C) from the protector.



Left side shown; right side is similar.

(cont'd)

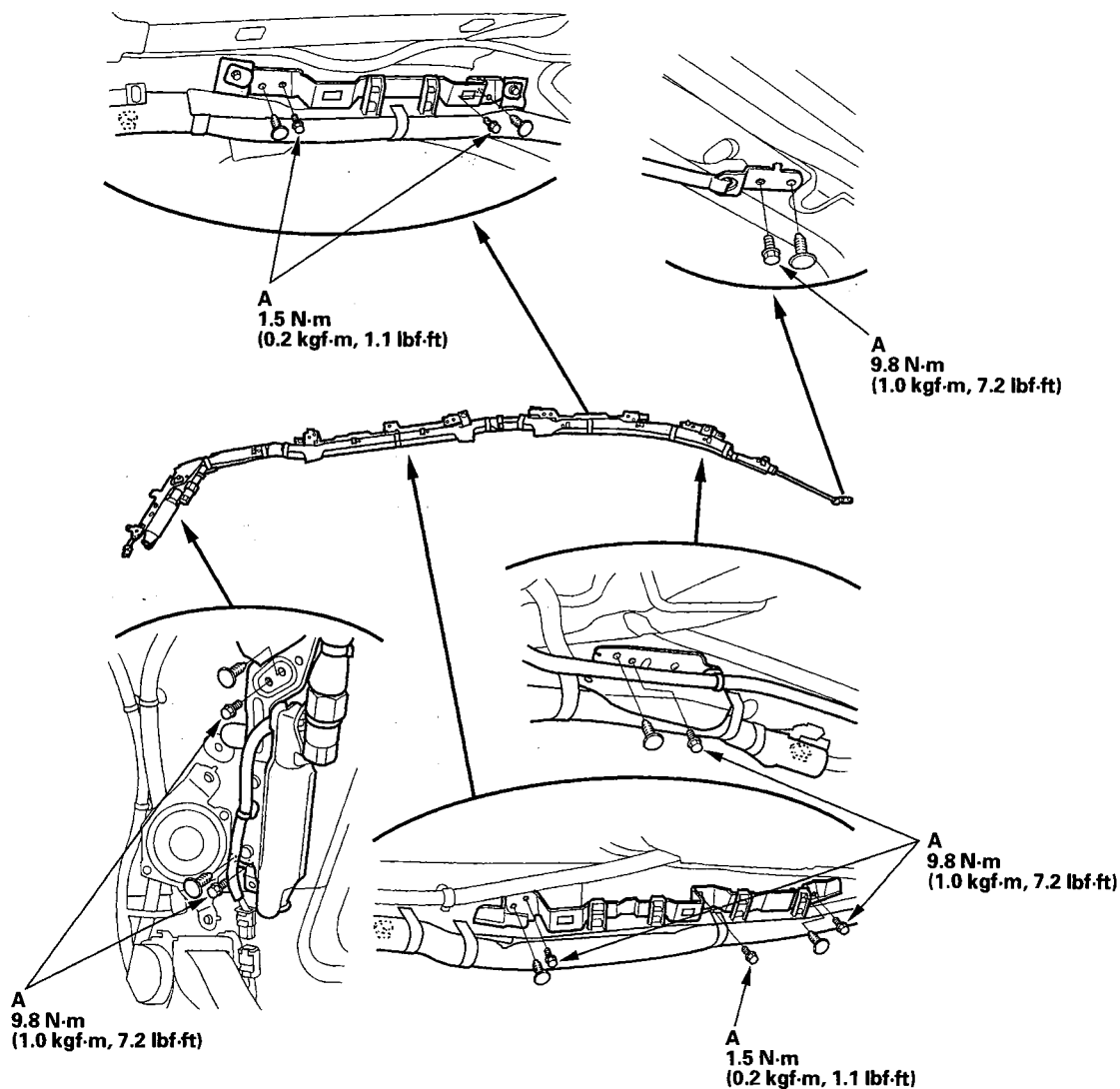
Side Curtain Airbag Replacement (cont'd)

Installation

NOTE:

- Installation of the side curtain airbag must be performed according to the precautions/procedures described at the beginning of the SRS section (see page 24-14).
- If the airbag is frayed, or has only other visible damage, replace it. Do not attempt to repair an airbag.
- When you install the airbag, make sure it is not twisted, and that it is not caught between the inflator bracket by the bracket bolts.
- Make sure that the side curtain airbag inflator retainer is installed properly. Otherwise the airbag could accidentally deploy and cause damage or injuries.
- Check for damaged or stress-whitened clips, and if necessary, replace them with new ones.

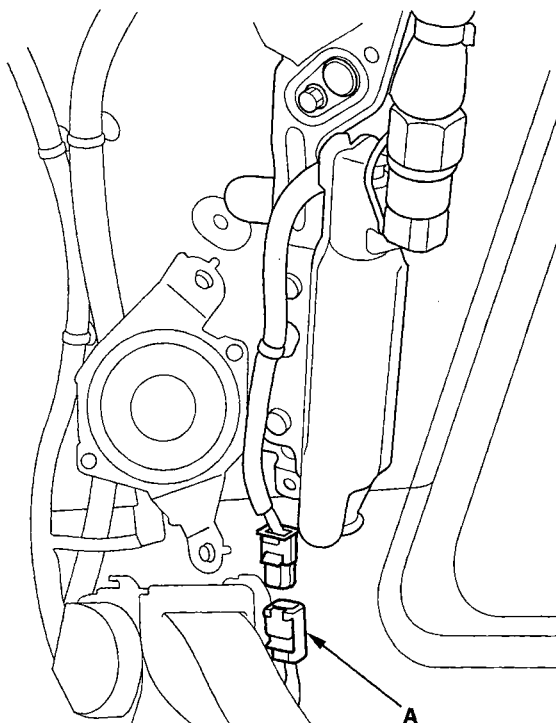
1. Place the new side curtain airbag assembly on the side of the roof. Tighten the side curtain airbag mounting bolts (A).



Left side shown; right side is similar.



2. Connect the side curtain airbag 2P connector (A) to the side curtain airbag.



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 24-25).
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 24-144).

Airbag and Tensioner Disposal

Special Tools Required

Deployment tool 07HAZ-SG00500

Before scrapping any airbags, side airbags, side curtain airbags, seat belt tensioners, or seat belt buckle 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 & 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.

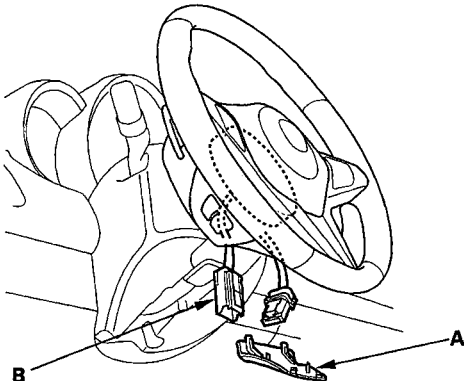
Deploying Airbags in the Vehicle

If an SRS equipped vehicle is to be entirely scrapped, its airbags, side airbags, side curtain airbags, seat belt tensioners, and seat belt buckle 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 seat belt buckle tensioner is securely mounted.
3. Confirm that the deployment tool is functioning properly by following the check procedure on the tool label.

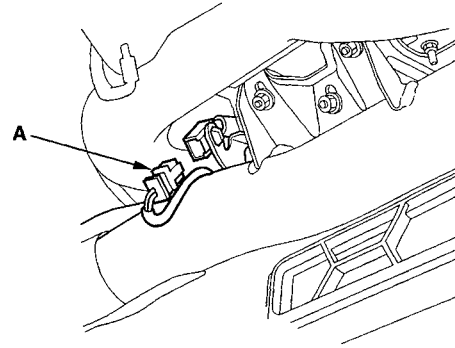
Driver's Airbag

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



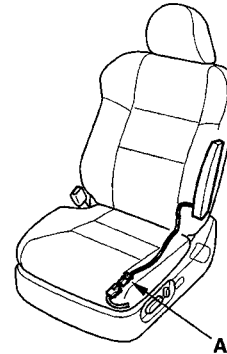
Front Passenger's Airbag

5. Remove the glove box, then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag.



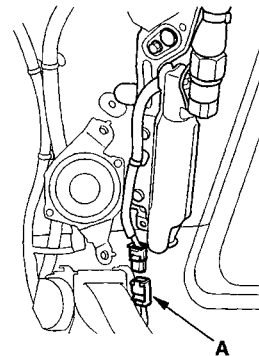
Side Airbag

6. Disconnect the side airbag 2P connector (A) from the SRS wire harness.



Side Curtain Airbag

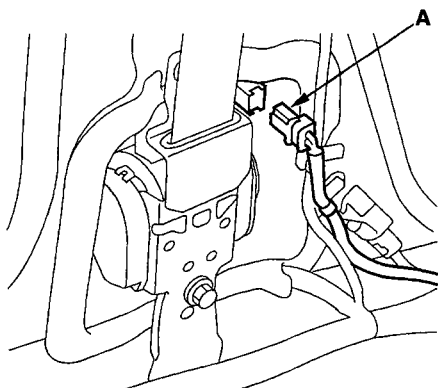
7. Disconnect the SRS wire harness 2P connector (A) from the side curtain airbag.





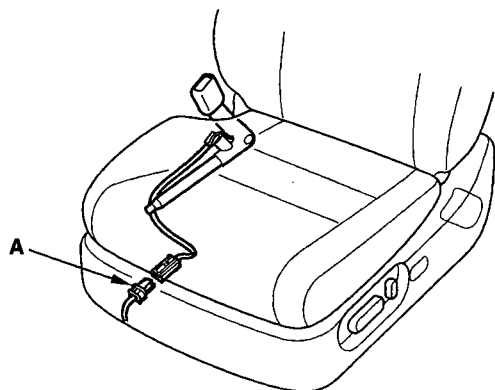
Seat Belt Tensioner

8. Disconnect the SRS wire harness 4P connector (A) from the seat belt tensioner. Pull the seat belt out all the way and cut it.



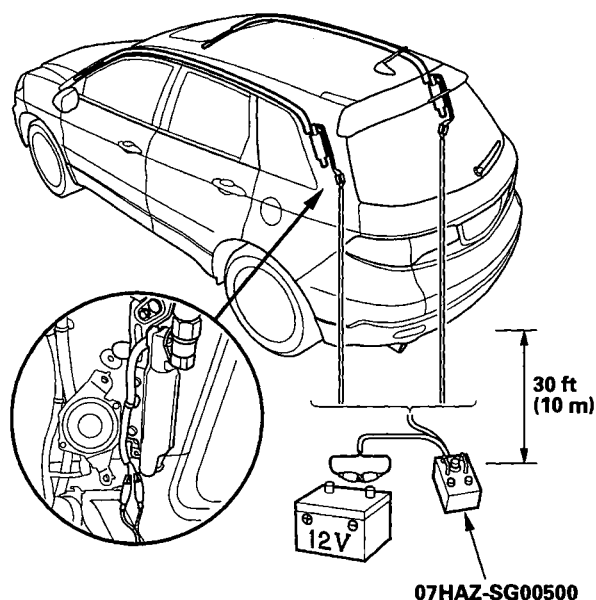
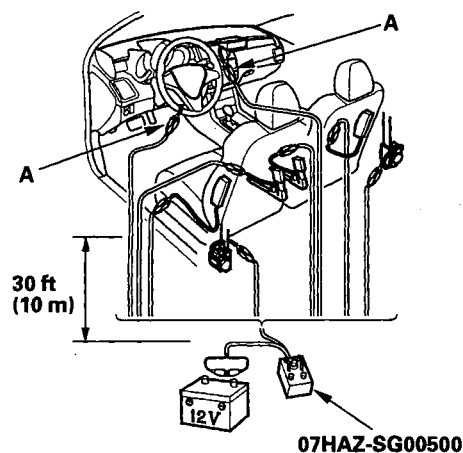
Seat Belt Buckle Tensioner

9. Disconnect the SRS wire harness 4P connector (A) from the seat belt buckle tensioner.



10. 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.



(cont'd)

Airbag and Tensioner Disposal (cont'd)

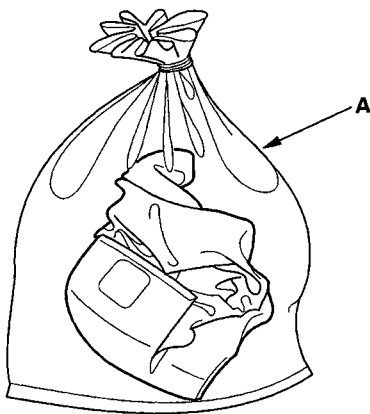
11. Connect a 12 volt battery to the tool.

- 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.

12. 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).

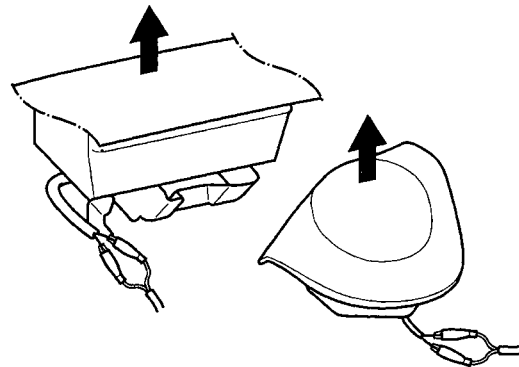
- If the components deploy and the green light on the tool comes on, continue with this procedure.
- If a component does not deploy, yet the green light comes ON, its igniter is defective. Go to Disposal of Damaged Components.
- During deployment, the airbags can become hot enough to burn you. Wait 30 minutes after deployment before touching the airbags.

13. 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.



Disposal of Damaged Components

1. If installed in a vehicle, follow the removal procedure for the driver's airbag (see page 24-146), front passenger's airbag (see page 24-147), side airbag (see page 24-149), side curtain airbag (see page 24-150), seat belt buckle tensioner (see page 24-6), 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.

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," or "DAMAGED SEAT BELT BUCKLE 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.

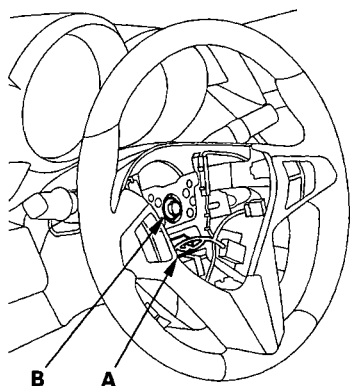
Deployment Tool Check

1. Connect the yellow clips to both the switch protector handles on the tool and connect the tool to a vehicle battery.
2. Push the operation switch: green light means the tool is OK; a red light means the tool is faulty.
3. Disconnect the yellow clips from the protector handles.
4. Disconnect the tool from 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 24-146).
4. Disconnect the connector (A) from the cable reel, then remove the steering wheel bolt (B).

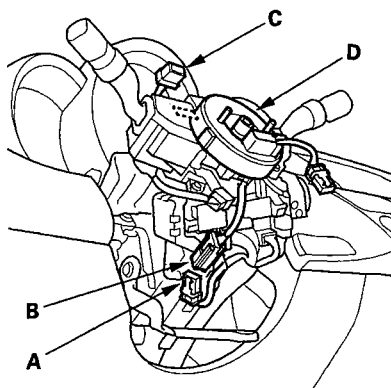


5. Confirm that the front wheels point straight ahead, then remove the steering wheel with a steering wheel puller (see step 6 on page 17-22). Do not tap on the steering wheel or steering column shaft when removing the steering wheel.

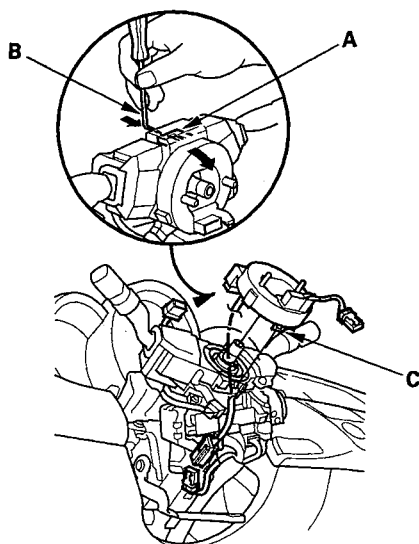
6. Remove the driver's under cover (see page 20-102).
7. Remove the upper column cover and lower column cover (see page 20-107).



8. 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).

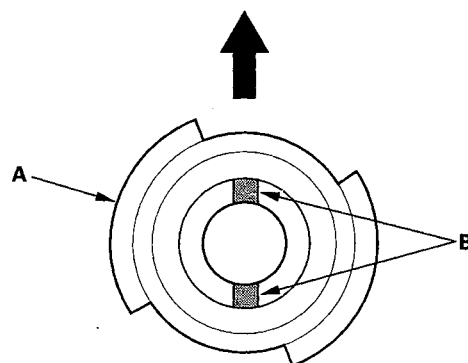


9. Release the lock tab (A) under the cable reel connector with a 90° hook shaped tool (B). Slide the tool below the cable reel connector just above the lock tab. Release the lower lock tab (C), and slide the cable reel off the column.

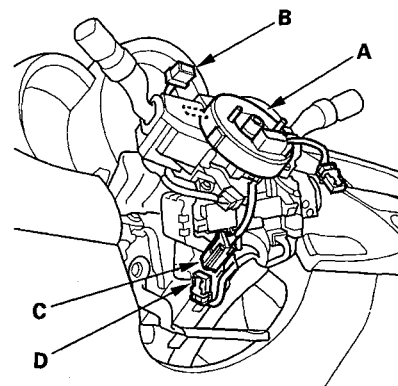


Installation

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.



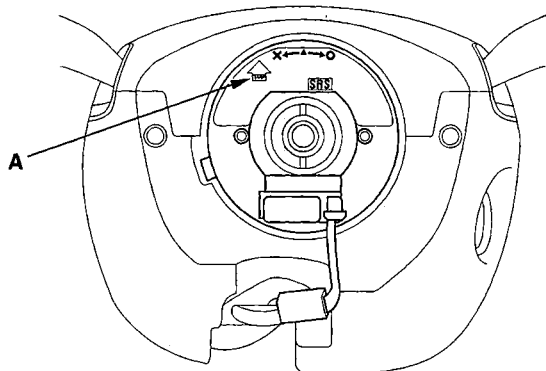
4. Carefully install the cable reel (A) on the steering column shaft. Then connect 20P connector (B) to the cable reel, and connect the 4P connector (C) to the dashboard wire harness 4P connector (D).



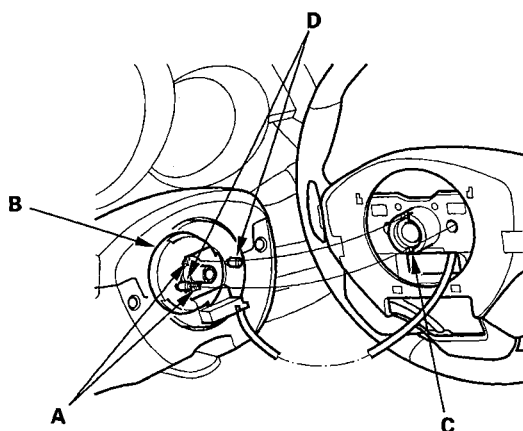
(cont'd)

Cable Reel Replacement (cont'd)

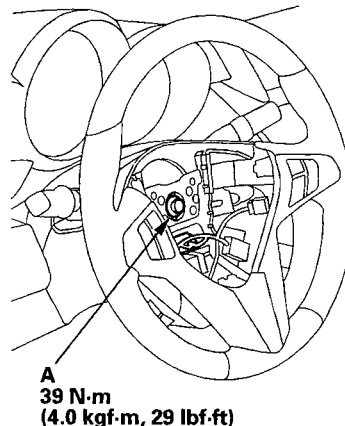
5. Install the steering column covers.
6. If necessary, center the cable reel (New replacement cable reels come centered.). Do this by first rotating the cable reel clockwise until it stops. Then rotate it counterclockwise (about three turns) until the arrow mark (A) on the cable reel label points straight 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.



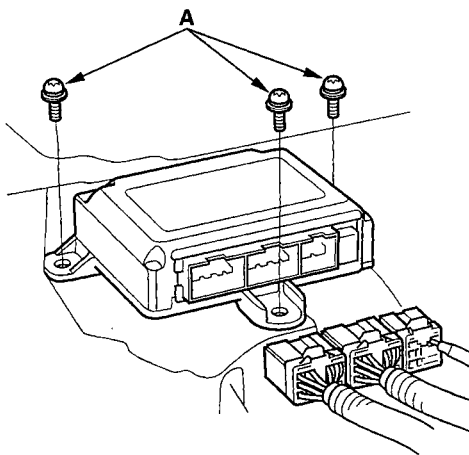
9. Install the driver's airbag (see page 24-146).
10. Reconnect the negative cable to the battery.
11. After installing the cable reel, confirm proper system operation:
 - Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
 - After the SRS indicator 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 work.
 - Make sure the voice control buttons work.
 - Make sure there are no DTCs.



SRS Unit Replacement

Removal

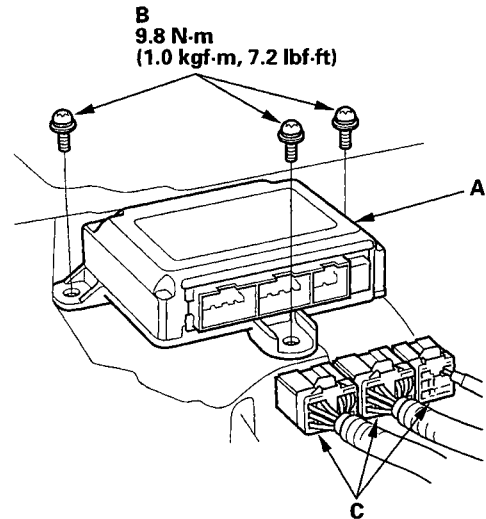
1. Disconnect the battery negative cable, and wait at least 3 minutes before beginning work.
2. Disconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
3. Remove the center console (see page 20-92).
4. Disconnect the connectors and remove the TORX bolts (A), then pull out the SRS unit.



Installation

1. Install the new SRS unit (A) with 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 bolts.



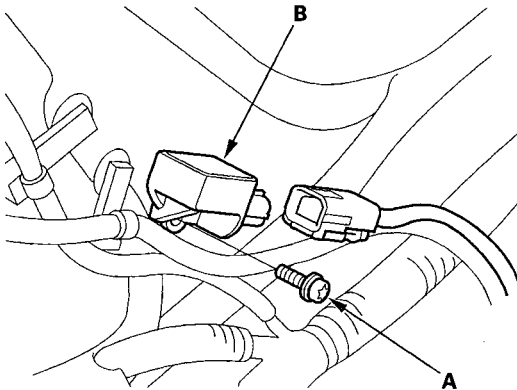
2. Reconnect both seat belt tensioner connectors (see step 10 on page 24-23) and both seat belt buckle tensioner connectors (see step 11 on page 24-23).
3. Reconnect the negative cable to the battery.
4. After installing the SRS unit, confirm proper system operation: Turn the ignition switch ON (II); 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 20-118) before doing repairs or service.

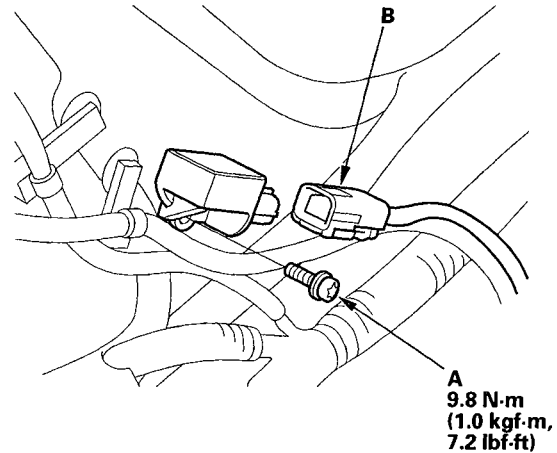
Removal

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 6 on page 24-22).
3. Remove the front seat assembly (see page 20-118).
4. Remove the front door sill inner trim.
5. Remove the lower B-pillar lower trim panel (see page 24-69).
6. Disconnect the SRS wire harness 4P connector from the side impact sensor (first).
7. 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 SRS wire harness 4P connector (B) to the side impact sensor (first).



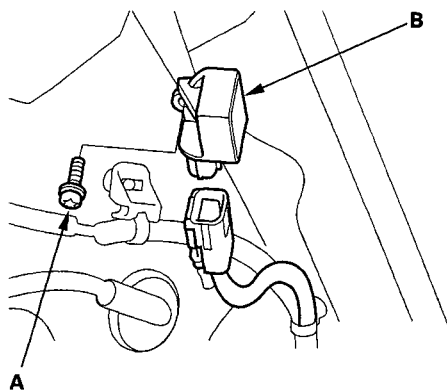
2. Reconnect the negative cable to the battery.
3. After installing the side impact sensor (first) confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Reinstall all removed parts.



Side Impact Sensor (Second) Replacement

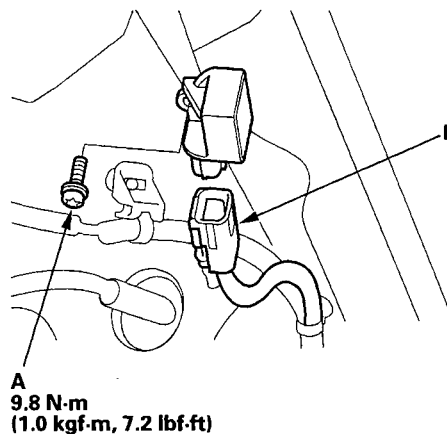
Removal

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 8 on page 24-22).
3. Remove the rear seat and seat side bolster (see page 20-137).
4. Disconnect the SRS wire harness 2P connector from the side impact sensor (second).
5. Remove the TORX bolt (A) using a TORX T30 bit, then remove the side impact sensor (second) (B).



Installation

1. Install the new side impact sensor (second) with the TORX bolt (A) then connect SRS wire harness 2P connector (B) to the side impact sensor (second).

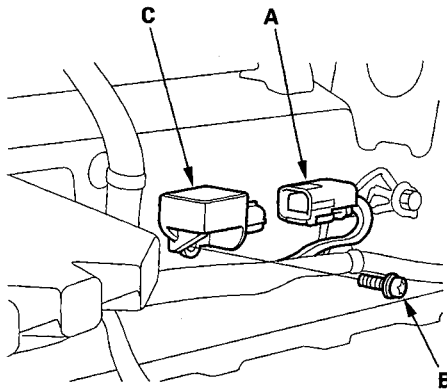


2. Reconnect the negative cable to the battery.
3. After installing the side impact sensor (second), confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come on for about 6 seconds and then go off.
4. Reinstall all removed parts.

Roll Rate Sensor Replacement

Removal

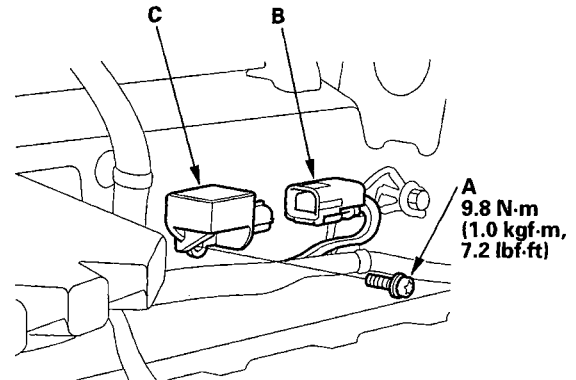
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Remove the front passenger's seat (see page 20-118).
3. Disconnect the SRS wire harness 2P connector (A) from the roll rate sensor.



4. 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 a TORX bolt (A), then connect the SRS wire harness 2P connector (B) to the roll rate sensor (C).



2. Reconnect the negative cable to the battery.
3. Install 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.

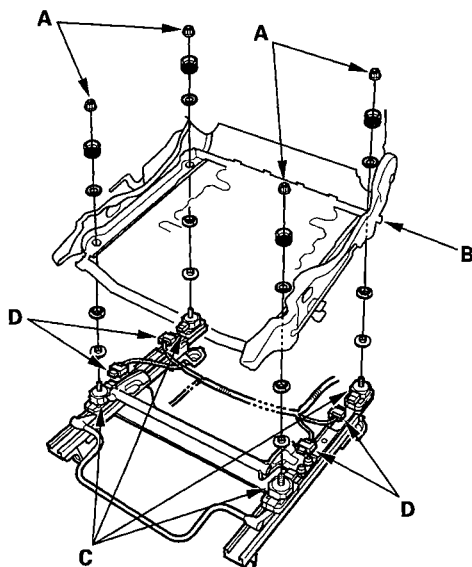


Front Passenger's Weight Sensor Replacement

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 24-14).

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 section (see page 20-118).
3. Remove the cushion cover/pad from the seat cushion frame (see page 20-121).
4. Remove the front passenger's seat cushion frame (see page 20-121).
5. Using a TORX E18 socket, remove the TORX nuts (A) attaching the seat track (B) to the weight sensors (C).

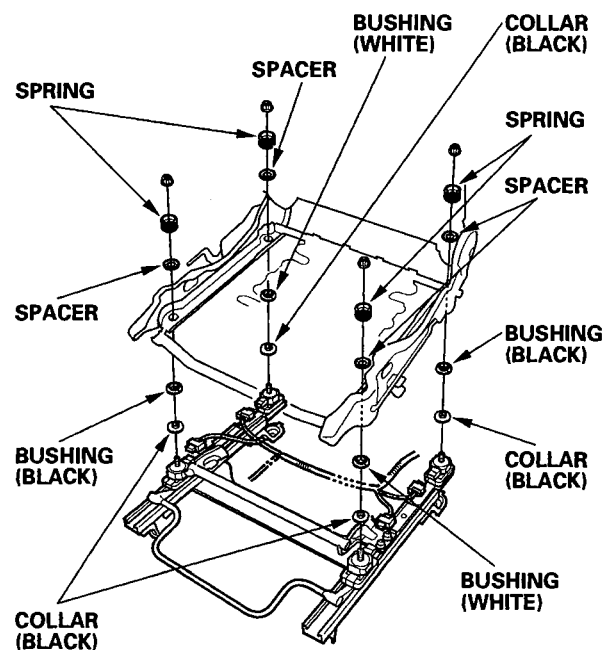


6. Disconnect the sensor connectors (D) from the seat weight sensor, then remove the front passenger's weight sensors.

Installation

NOTE: Be sure to install the harness wires so they are not pinched or interfering with other parts.

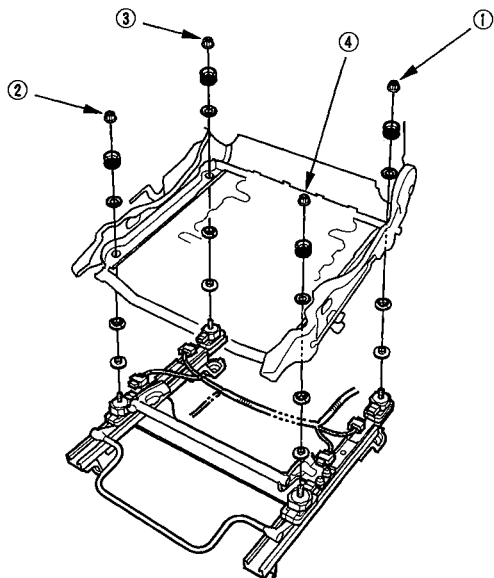
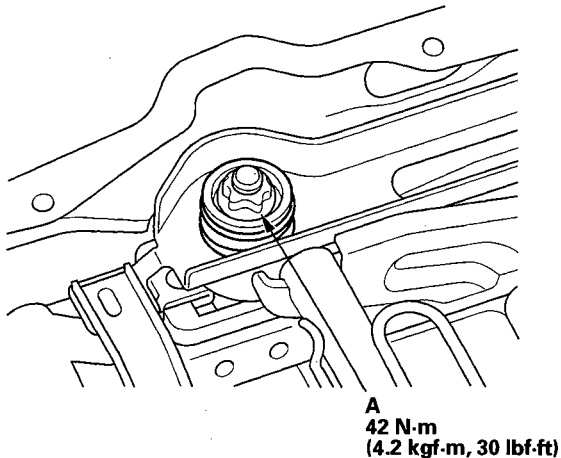
1. Install the new front passenger's weight sensors under the seat track.



(cont'd)

Front Passenger's Weight Sensor Replacement (cont'd)

2. When tightening a TORX nuts (A), begin with the ① and tighten them in crisscross pattern in two or more steps.



3. Torque the TORX nuts in the sequence shown in two or more steps.

4. Reassemble the front passenger's seat cushion cover/pad (see page 20-131).
5. Reinstall the front passenger's seat (see page 20-118).
6. Reconnect the negative cable to the battery.
7. Calibrate the ODS unit (see page 24-29).
8. After installing the front passenger's weight sensors, confirm proper system operation: Turn the ignition switch ON (II); the SRS indicator should come for about 6 seconds and then go off.

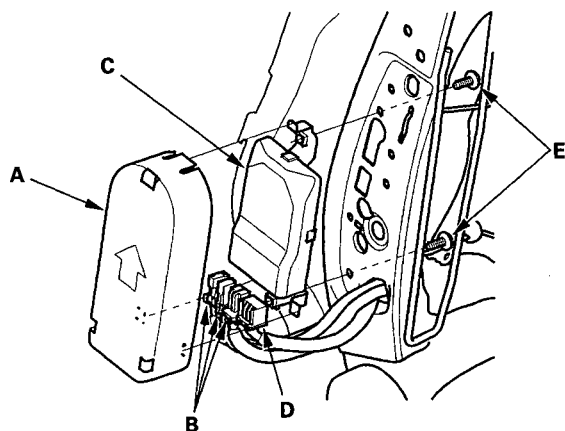


ODS Unit Replacement

NOTE: Review the seat replacement procedure (see page 20-118) before doing repairs or service.

Removal

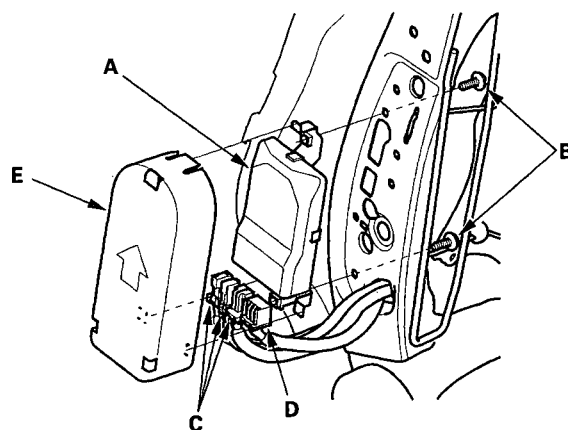
1. Disconnect the negative cable from the battery, and wait at least 3 minutes before beginning work.
2. Disconnect the passenger's side airbag 2P connector (see step 5 on page 24-22).
3. Remove the passenger's seat assembly (see page 20-118) and seat-back cover (see page 20-126).
4. Remove the cover (A), then disconnect the sensor connectors (B), from the ODS unit (C) and ODS unit 18P connector 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 sensor connectors (C) and ODS unit 18P connector D to the ODS unit. Reinstall the cover (E).

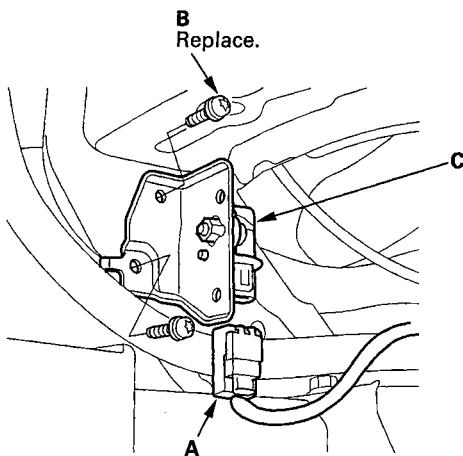


2. Install the seat-back cover in the reverse order of removal.
3. Install the seat assembly (see page 20-118), then connect the side airbag 2P connector.
4. Reconnect the negative cable to the battery.
5. Set the seat-back in the normal position, and make sure there is nothing on the front passenger's seat.
6. Initialize the ODS unit (see page 24-28).
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

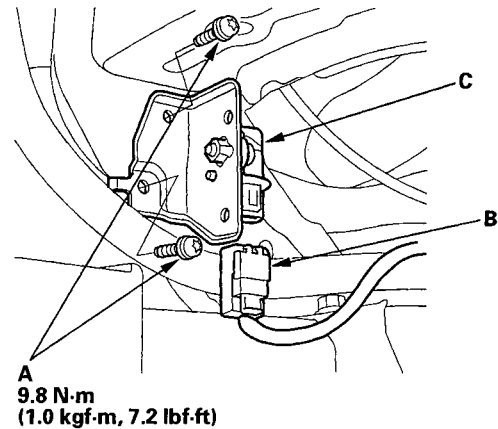
Removal

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 24-22), the front passenger's airbag 4P connector (see step 5 on page 24-22), both seat belt tensioner 4P connectors (see step 10 on page 24-23), and both seat belt buckle tensioner 4P connectors (see step 11 on page 24-23).
3. Remove the front bumper (see page 20-146).
4. Disconnect the engine compartment wire harness 2P connector (A) from the front impact sensor. Using a TORX T30 bit, remove the TORX bolt (B), then remove the front impact sensor (C). Replace the bolt.



Installation

1. Install the new front impact sensor with a new TORX bolt (A), then connect the 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.



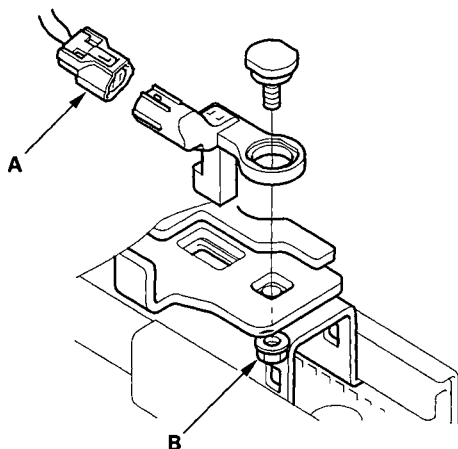
Driver's Seat Position Sensor Replacement

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 24-14).
- 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 24-22).
3. Remove the driver's seat assembly (see page 20-118).
4. Disconnect the driver's seat wire harness or seat position sensor harness 2P connector (A) from the driver's seat position sensor.



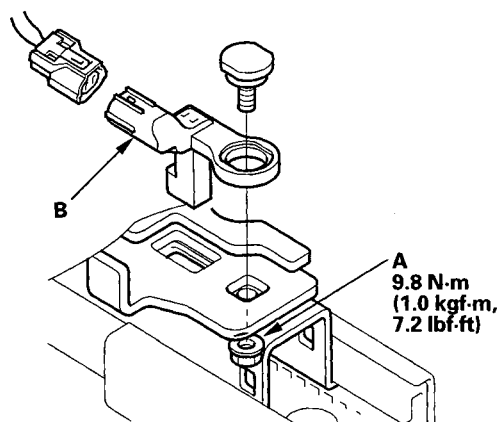
5. Using a mounting nut (B), then remove the driver's seat position sensor.

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 mounting nut (A), then connect the driver's seat wire harness or seat position sensor harness 2P connector to the driver's seat position sensor (B).

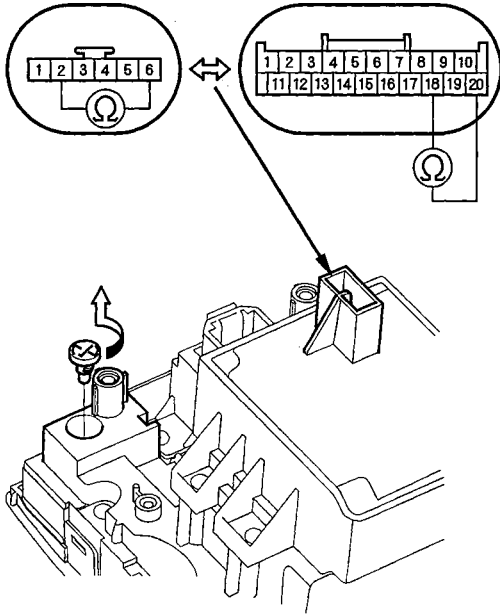


2. Install the driver's seat assembly (see page 20-118).
3. Reconnect the negative cable to the battery.
4. Check the operation of the driver's seat position sensor with the HDS (see page 24-31).

Passenger's Airbag Cutoff Indicator Illumination Bulb Test

NOTE: Information marked with an asterisk (*) applies to models with the navigation system.

1. Remove the center panel (see page 20-101).
2. Check for continuity between the No. 2* or No. 18 and No. 6* or No. 20 terminals of the indicator. If there is no continuity, replace the bulb.



3. Reinstall the parts in the reverse order of removal.

BACK