

Restraints

Restraints

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Seat Belts

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SRS (Supplemental Restraint System)

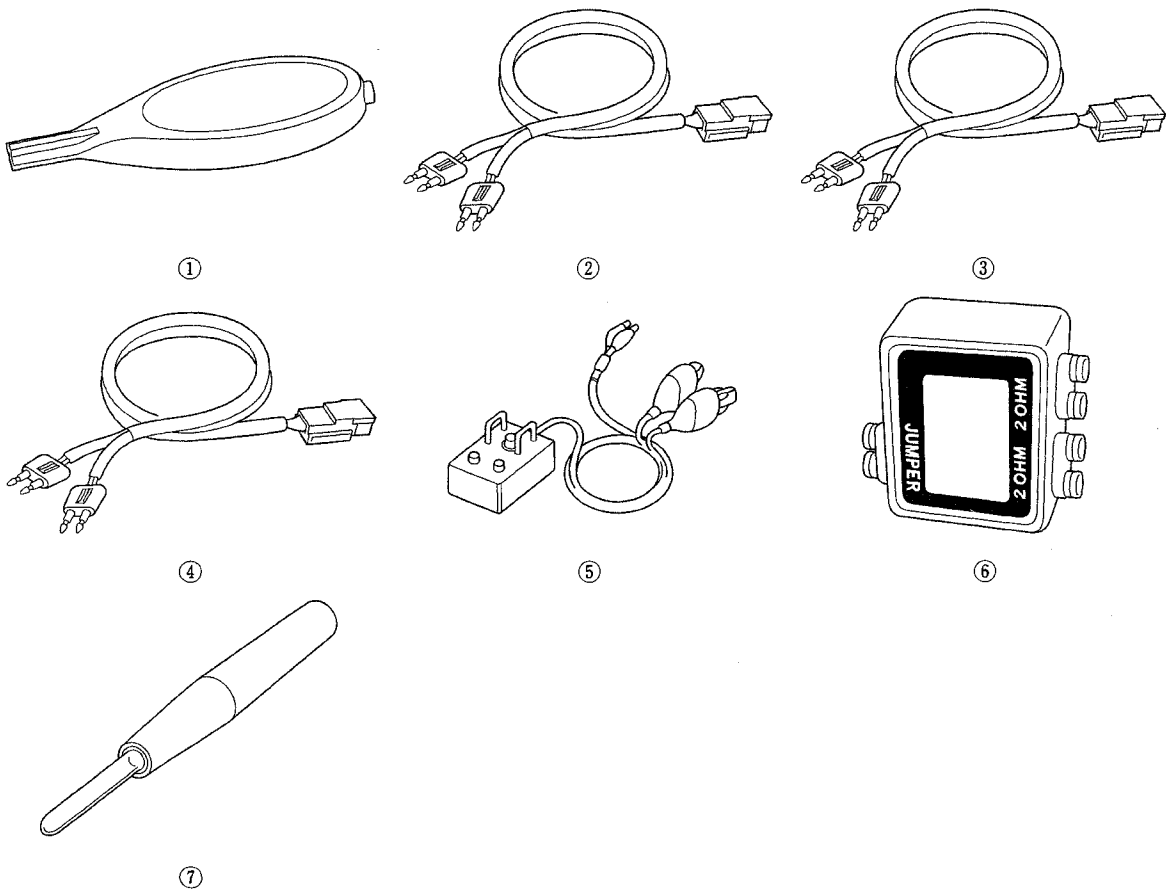
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Restraints

Special Tools

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

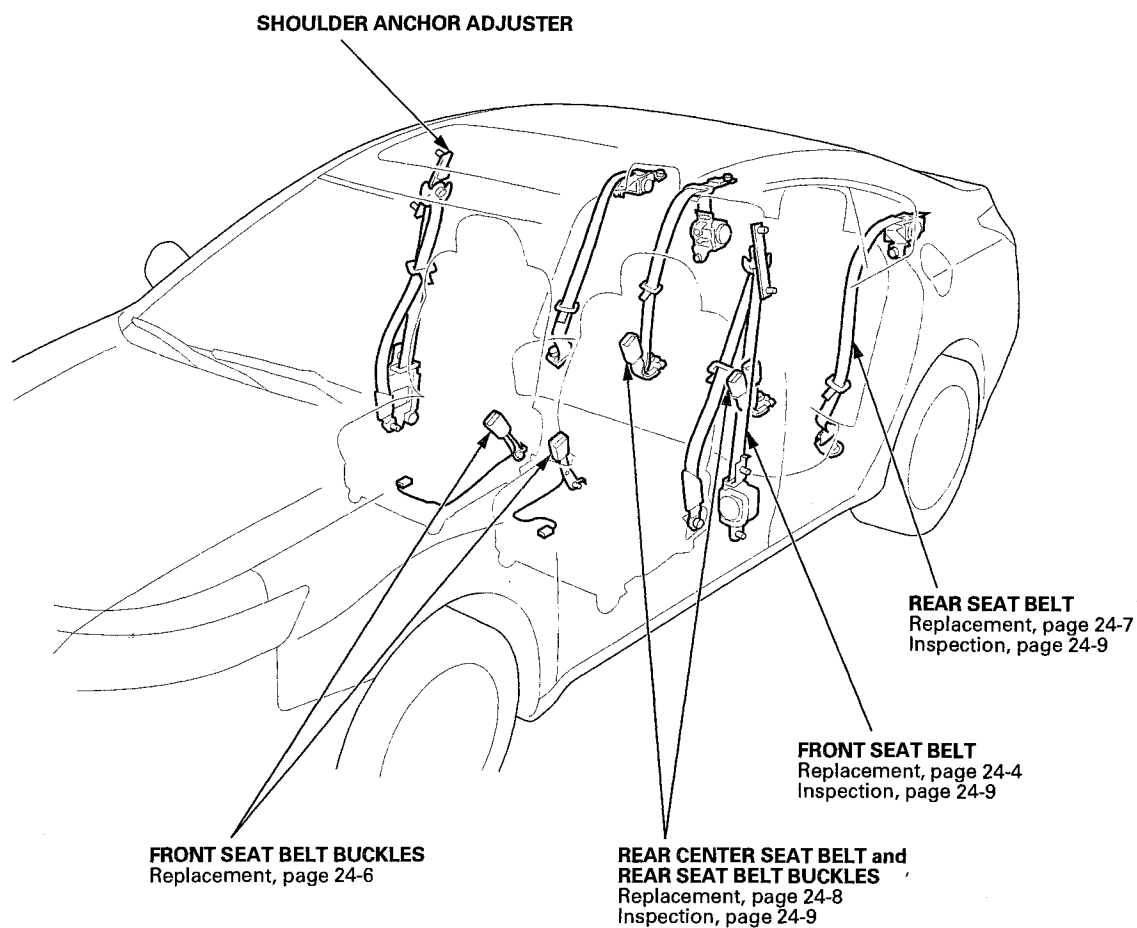


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Seat Belts



Component Location Index



Seat Belts

Front Seat Belt Replacement

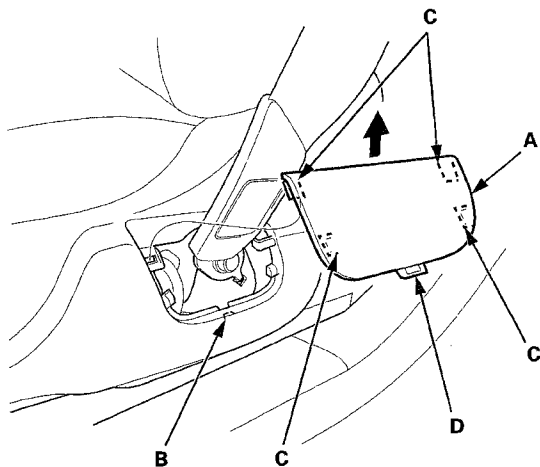
Front Seat Belt

SRS components are located in this area. Review the SRS component locations (see page 24-11) and the precautions and procedures (see page 24-13) before doing repairs or service.

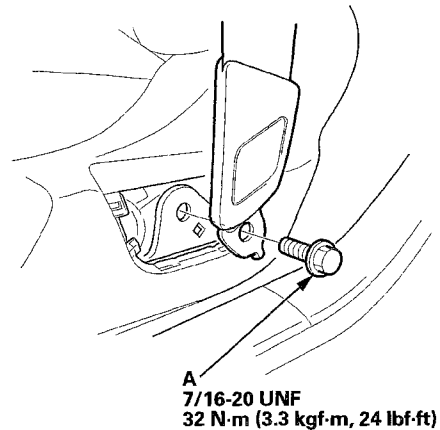
NOTE:

- Put on gloves to protect your hands.
- Take care not to scratch the body or tear the seat covers.
- Check the front seat belts for damage (see page 24-9), and replace them if necessary.
- If replacing the front seat belts after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be replaced.

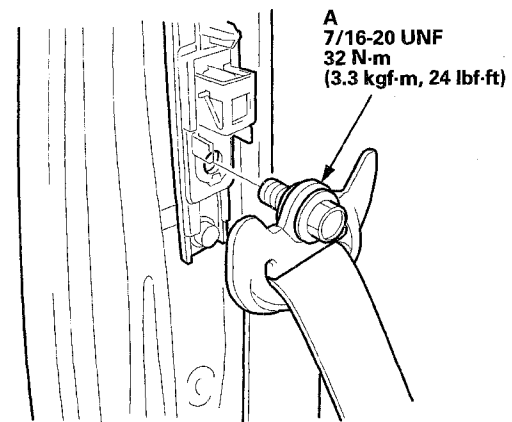
1. Slide the front seat all the way forward. Carefully pry up on the bottom of the anchor cover (A) at the pry point (B) with the appropriate trim tool to release the hooks (C) and the tab (D), then remove the cover by pulling it upward. The driver's seat is shown; the passenger's seat is similar.



2. Remove the lower anchor bolt (A).

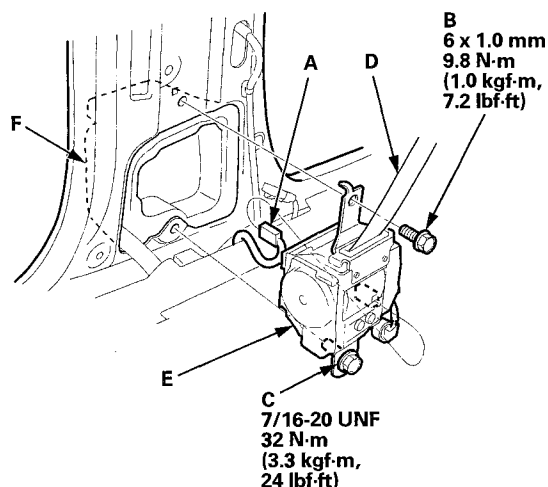


3. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before beginning work.
4. Remove the B-pillar upper/lower trim (see page 20-83).
5. Remove the upper anchor bolt (A).

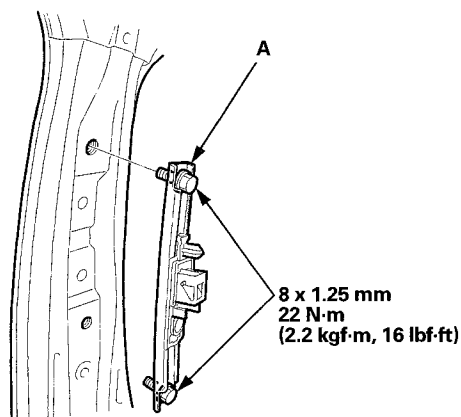




6. Disconnect the seat belt tensioner connector (A). Remove the upper retractor mounting bolt (B) and the lower retractor bolt (C), then remove the front seat belt (D) and the retractor (E).



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



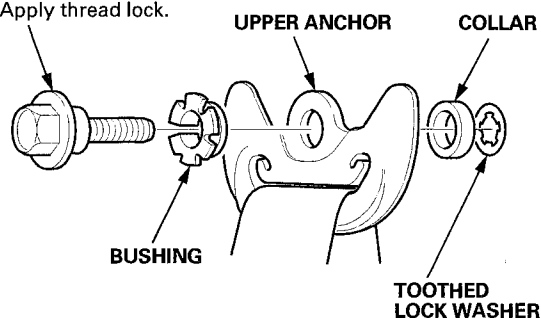
9. Install the seat belt and the retractor in the reverse order of removal, and note these items:

- Check that the retractor locking mechanism functions (see page 24-9).
- Assemble the washer, the collars, and the bushing on the upper anchor bolt and the retractor bolt as shown.
- Apply medium strength liquid thread lock to the upper anchor bolt before reinstallation.
- Tighten the bolts by hand first, then tighten to the specified torque.
- Before installing the anchor bolts, make sure there are no twists or kinks in the seat belt.
- Make sure the seat belt tensioner connector is plugged in properly.
- Do the battery terminal reconnection procedure (see page 22-86).
- Check for any DTCs that may have been set during repairs, and clear them.

Upper anchor bolt installation

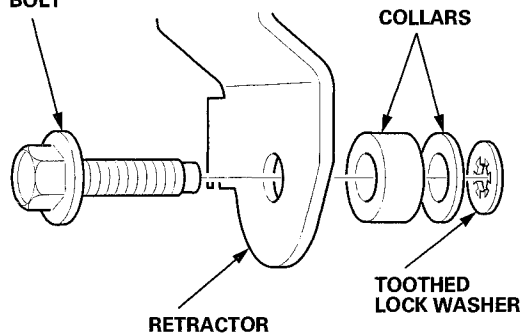
UPPER ANCHOR BOLT

Apply thread lock.



Retractor bolt installation

RETRACTOR BOLT



(cont'd)

Seat Belts

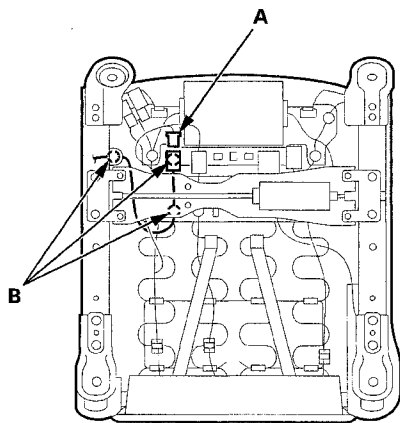
Front Seat Belt Replacement (cont'd)

Front Seat Belt Buckle

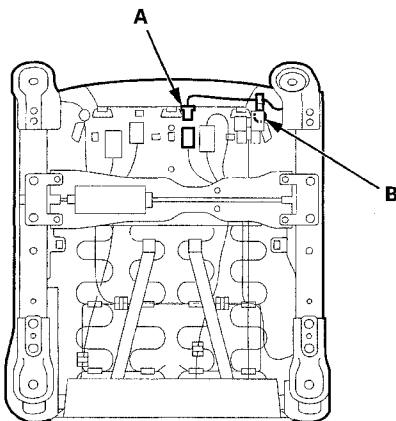
NOTE:

- Put on gloves to protect your hands.
 - Take care no to scratch the body or tear the seat covers.
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before beginning work.
 2. Remove the front seat (see page 20-139).
 3. Lift up the front seat, disconnect the seat belt buckle switch connector (A), then detach the harness clips (B).

Driver's seat

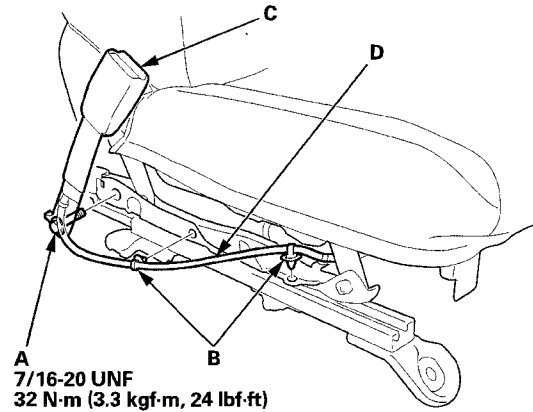


Passenger's seat

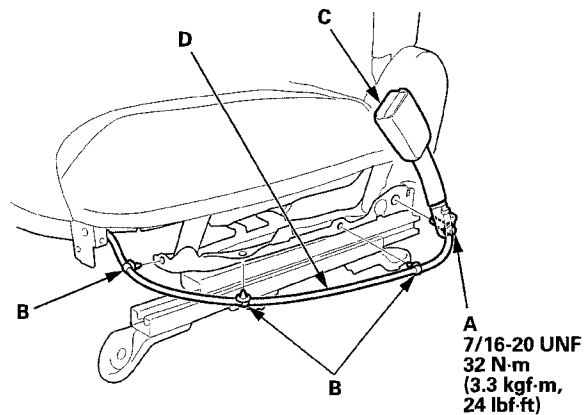


4. Remove the center anchor bolt (A), and detach the harness clips (B), then remove the seat belt buckle (C).

Driver's seat



Passenger's seat



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

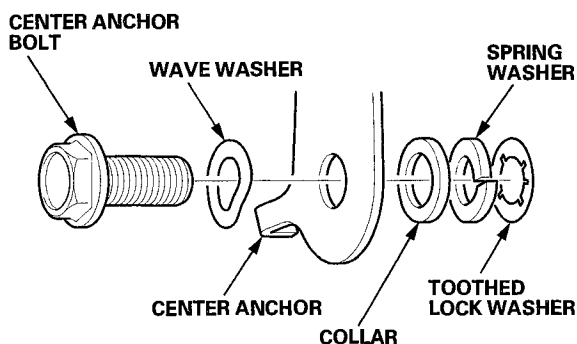


Rear Seat Belt Replacement

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

- Assemble the washers and the collar on the center anchor bolt as shown.
- Before installing the center anchor bolt, make sure there are no twists or kinks in the front seat belt.
- Tighten the bolts by hand first, then tighten to the specified torque.
- Make sure the seat belt buckle switch connector is plugged in properly.
- Do the battery terminal reconnection procedure (see page 22-86).
- Check for any DTCs that may have been set during repairs, and clear them.

Center anchor bolt installation

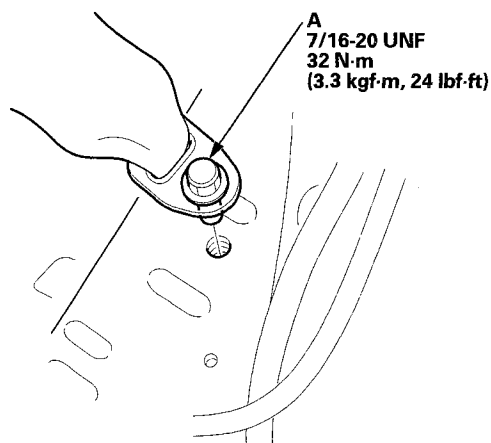


Rear Seat Belt

NOTE:

- Put on gloves to protect your hands.
- Take care not to scratch the body or tear the seat covers.
- Check the front seat belts for damage (see page 24-9), and replace them if necessary.

1. Remove the rear seat cushion and the seat-back (see page 20-156).
2. Remove the lower anchor bolt (A).



3. Remove these items:

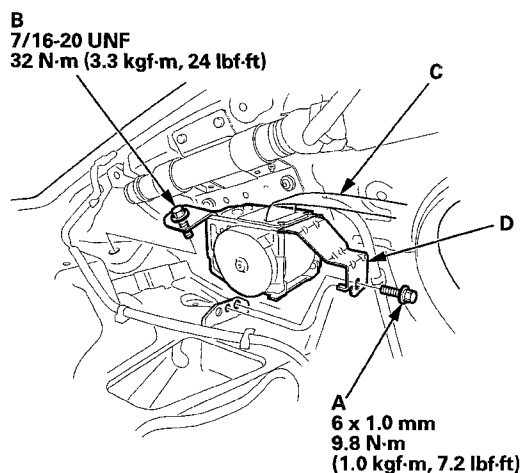
- C-pillar trims, both sides (see page 20-83)
- Rear shelf (see page 20-92)

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Seat Belts

Rear Seat Belt Replacement (cont'd)

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



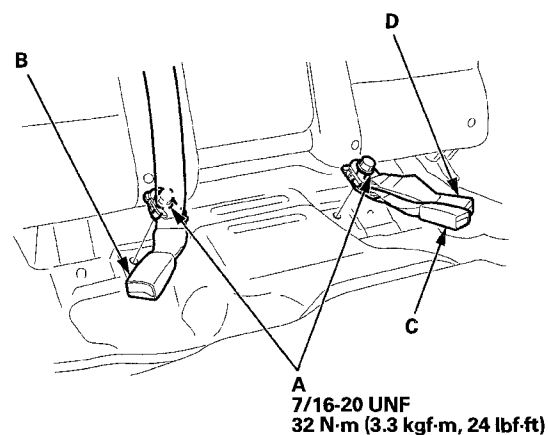
5. Install the rear seat belt and retractor in the reverse order of removal, and note these items:
- Check that the retractor locking mechanism functions (see page 24-9).
 - Before installing the anchor bolt, make sure there are no twists or kinks in the rear seat belt.

Rear Center Seat Belt and Rear Seat Belt Buckles

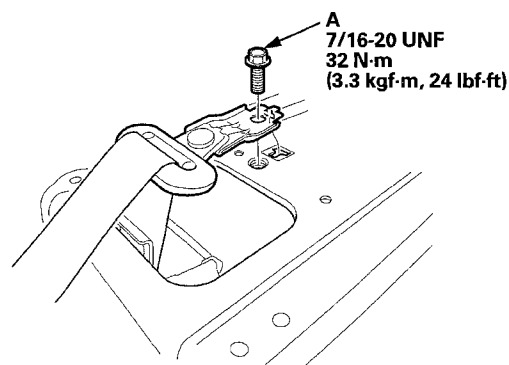
NOTE:

- Put on gloves to protect your hands.
- Take care not to scratch the body or tear the seat covers.

1. Remove the rear seat cushion (see page 20-156).
2. Remove the center anchor bolts (A), then remove the right seat belt buckle (B), the center seat belt buckle (C), and the left seat belt buckle (D).



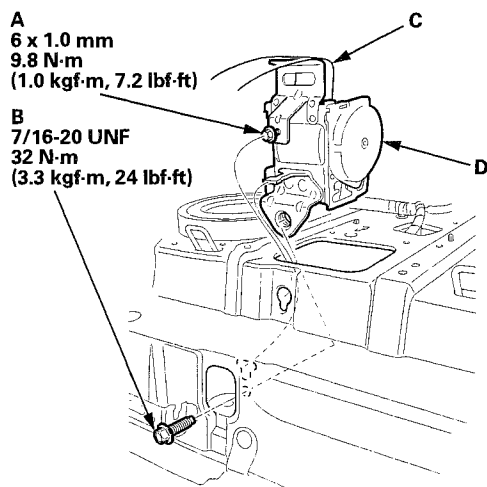
3. Remove the rear seat-back (see page 20-156).
4. Remove these items:
 - C-pillar trim, both sides (see page 20-83)
 - Rear shelf (see page 20-92)
5. Remove the upper anchor bolt (A).





Inspection

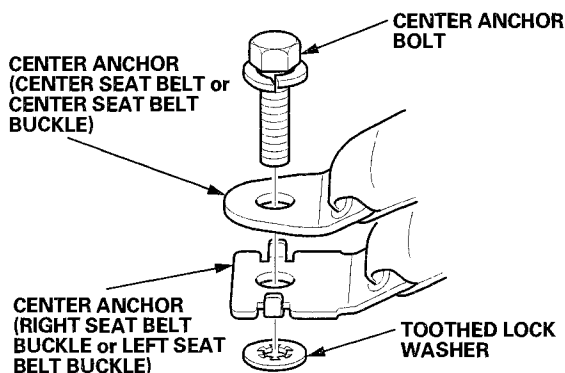
6. Loosen the retractor mounting bolt (A), and remove the retractor bolt (B), then remove the center seat belt (C) and the retractor (D).



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

- Check that the retractor locking mechanism functions as described (see page 24-9).
- Assemble the washer on the center anchor bolt as shown.
- Before installing the center anchor bolt, make sure there are no twists or kinks in the center seat belt.
- Tighten the bolts by hand first, then tighten to the specified torque.

Center anchor bolt installation



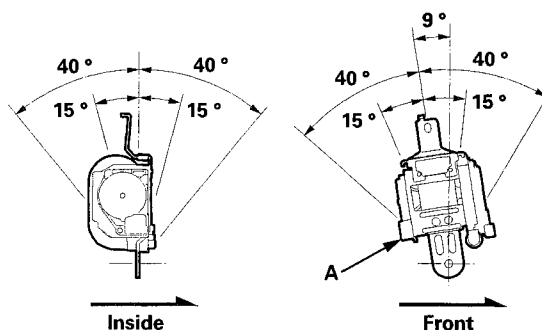
Out of Vehicle

For front seat belt retractors with seat belt tensioners, review the SRS component locations (see page 24-11) and the precautions and procedures (see page 24-13) before doing repairs or service.

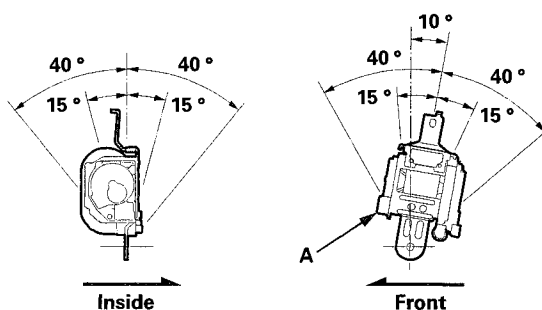
Retractor

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.

Driver's side



Passenger's side

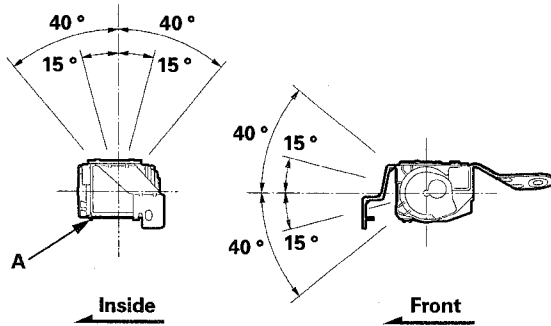


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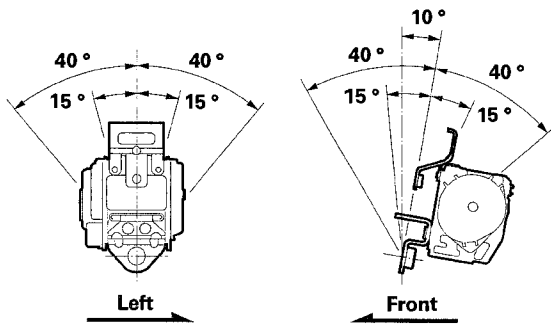
Seat Belts

Inspection (cont'd)

Rear



Rear center



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

In-vehicle

1. Check that the seat belt is not twisted or caught on anything.
2. After installing the anchors, check for free movement on the anchor bolts. If necessary, remove the anchor bolts, and check that the washers and other parts are not damaged or improperly installed.
3. Check the seat belts for damage or discoloration. Clean with a shop towel if necessary. Use only soap and water to clean the seat belt.

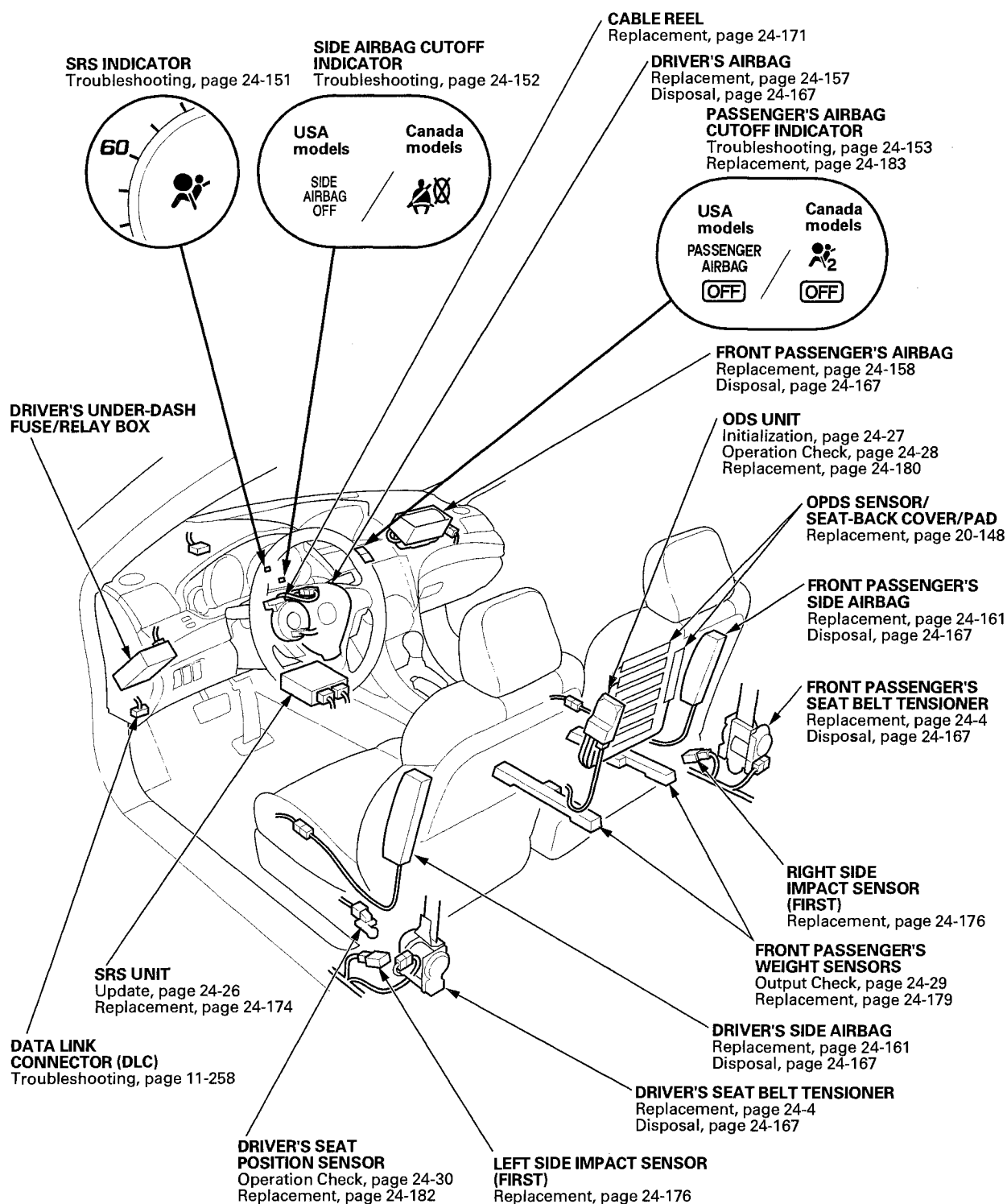
NOTE: Dirt build-up in the loops of the upper anchors can cause the seat belts to retract slowly. Wipe the inside of the loops with a clean cloth dampened in isopropyl alcohol.

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

SRS (Supplemental Restraint System)



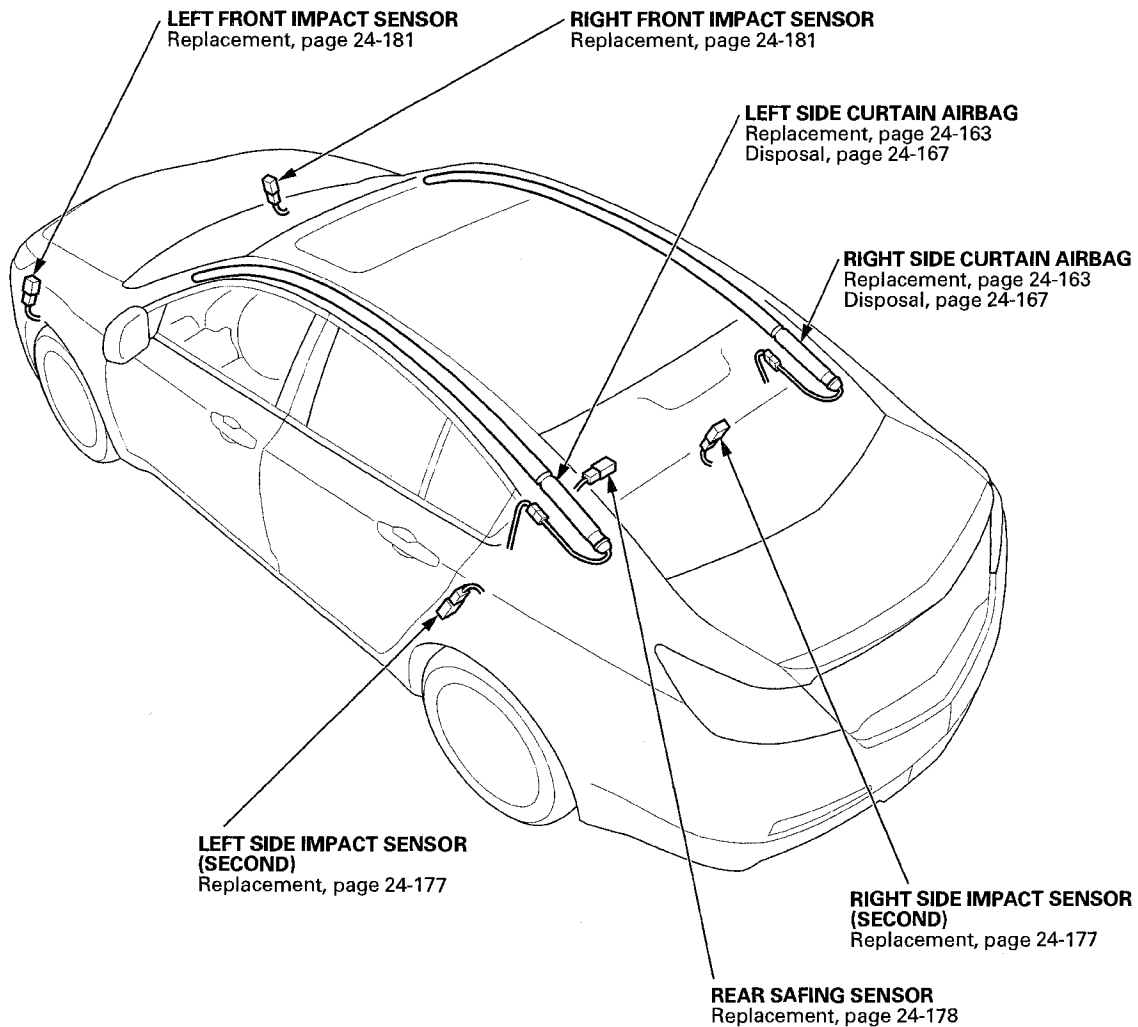
Component Location Index



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SRS (Supplemental Restraint System)

Component Location Index (cont'd)





Precautions and Procedures

General Precautions

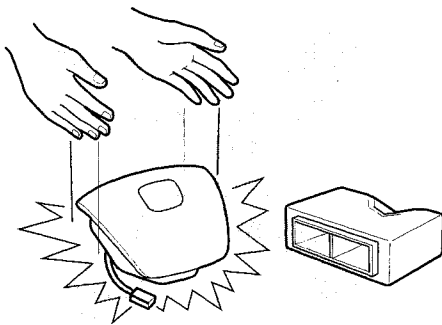
NOTE: Some systems store data in memory that is lost when the battery is disconnected. Before disconnecting the battery, refer to Battery Terminal Disconnection and Reconnection (see page 22-86).

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

- Except when doing electrical inspections that requires battery power, always turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, disconnect the negative cable from the battery, then wait at least 3 minutes before starting work.

NOTE: The SRS memory is not erased even if the ignition switch is turned to LOCK (0), or the engine start/stop button is pressed to select the OFF mode, or if 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 disconnecting the SRS unit connectors, always disconnect the appropriate SRS parts connectors.
- 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.

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, or the horn inoperative. Center the cable reel whenever you do the following (see step 6 on page 24-173).
 - 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 the cable reel does not rotate smoothly, replace it.

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SRS (Supplemental Restraint System)

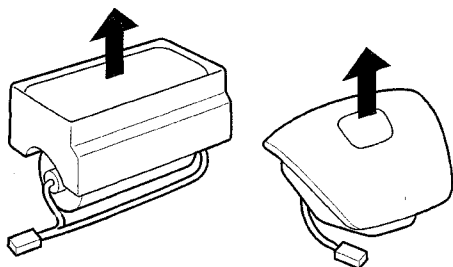
Precautions and Procedures (cont'd)

Airbag Handling and Storage

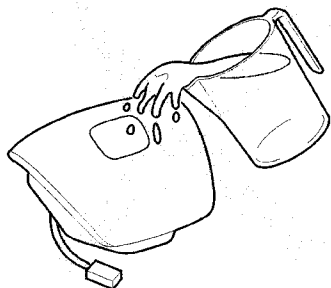
Do not disassemble an airbag. It has no serviceable parts. Once an airbag has been deployed, it cannot be repaired or reused.

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

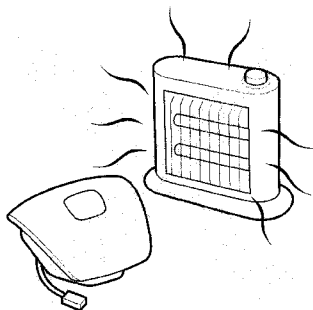
- Store the removed airbag with the pad surface up. Never put anything on the airbag.



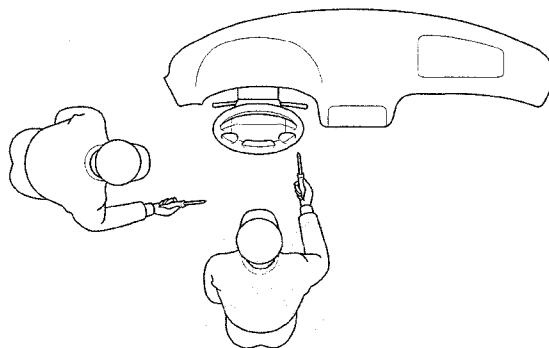
- To prevent damage to the airbag, keep it away from any oil, grease, detergent, or water.



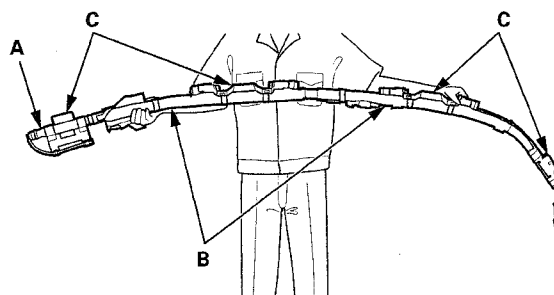
- Store the removed airbag on a secure, flat surface away from any high heat source (exceeding 200 °F/ 93 °C).



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



- For proper disposal of a damaged airbag, refer to airbag disposal (see page 24-167).
- The side curtain airbag module 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 assembly, never:
 - Handle the flexible bag.
 - Drop the airbag assembly.
 - Cut, tear, or unwrap the tape strips.

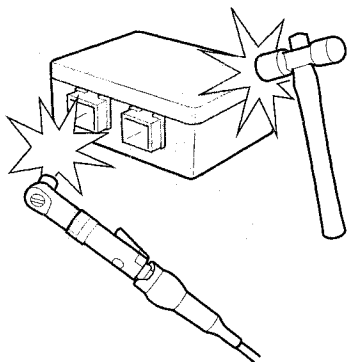




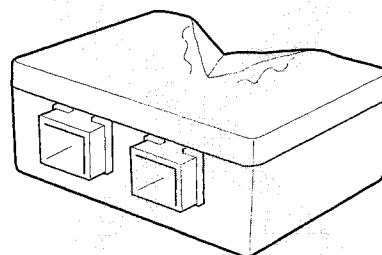
SRS Unit, Front and Side Impact Sensors, Rear Safing Sensor, Driver's Seat Position Sensor, and Front Passenger's Weight Sensors

NOTE: Some systems store data in memory that is lost when the battery is disconnected. Before disconnecting the battery, refer to Battery Terminal Disconnection and Reconnection (see page 22-86).

- Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode. Disconnect the negative cable from the battery, then wait at least 3 minutes before starting installation or replacement of the SRS unit or disconnecting the connectors from the SRS unit.
- Be careful not to bump or impact the SRS unit, the front impact sensors, the side impact sensors, or the rear safing sensor when the ignition switch is in ON (II), press the engine start/stop button to select the ON mode, for at least 3 minutes after the ignition switch is turned to LOCK (0), or the engine start/stop button is pressed to select the OFF mode.
- During installation or replacement, be careful not to bump (by impact wrench, hammer, etc.) the area around the SRS unit, the front impact sensors, the side impact sensors, or the rear safing sensor. The airbags could accidentally deploy and cause damage or injury.



- After a collision where the front airbags, the side airbags, the side curtain airbags, or the seat belt tensioners deploy, go to Component Replacement/Inspection after Deployment (see page 24-154). After a collision where the airbags or the side airbags do not deploy, inspect for any damage or any deformation on the SRS unit, the front impact sensors, the rear safing sensor, and the side impact sensors. Also, do the front seat active head restraint inspection (see page 20-137). Replace all damaged parts.



- Do not disassemble the SRS unit, the front impact sensors, the side impact sensors, the rear safing sensor, the driver's seat position sensor, or the front passenger's weight sensors.
- Always install the SRS unit, driver's seat position sensor, all impact sensors, and the rear safing sensor with new TORX 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 any of the sensors.

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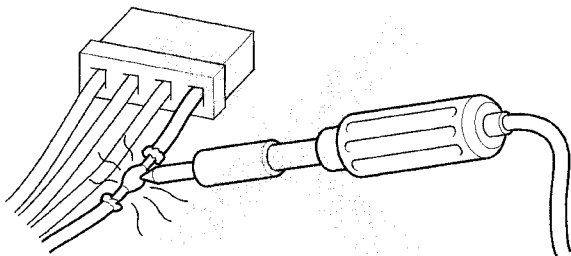
SRS (Supplemental Restraint System)

Precautions and Procedures (cont'd)

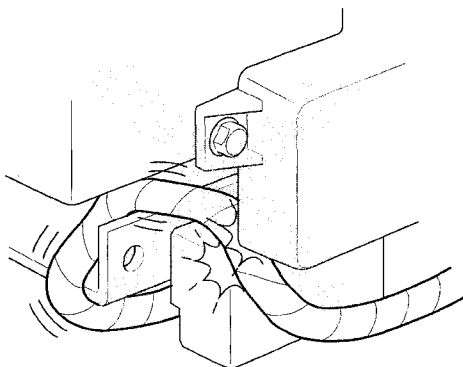
Wiring Precautions

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

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



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



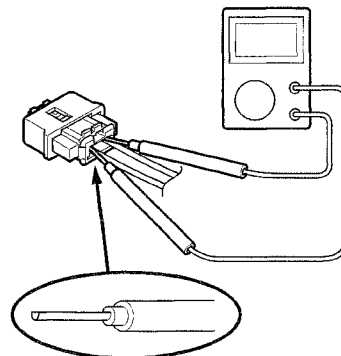
- Make sure all SRS ground locations are clean, and grounds are securely fastened for optimum metal-to-metal contact. Poor grounds can cause intermittent problems that are difficult to diagnose.
- Do not use any silicone based cleaners or lubricants on any SRS connectors or terminals.

Precautions for Electrical Inspections

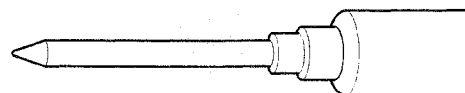
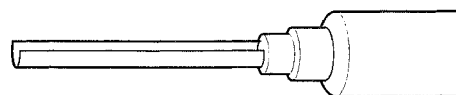
Special Tools Required

Back Probe Adapter, 17 mm 07TAZ-001020A

- Make sure the battery is fully charged when doing electrical test. If the battery is not fully charged, the results of the tests may not be accurate.
- When using electrical test equipment, insert the probe of the tester into the wire side of the connector (except water proof connector). Do not insert the probe of the tester into the terminal side of the connector, and do not tamper with the connector.



- Use the back probe adapter, 17 mm (07TAZ-001020A). Do not insert the probe forcibly.

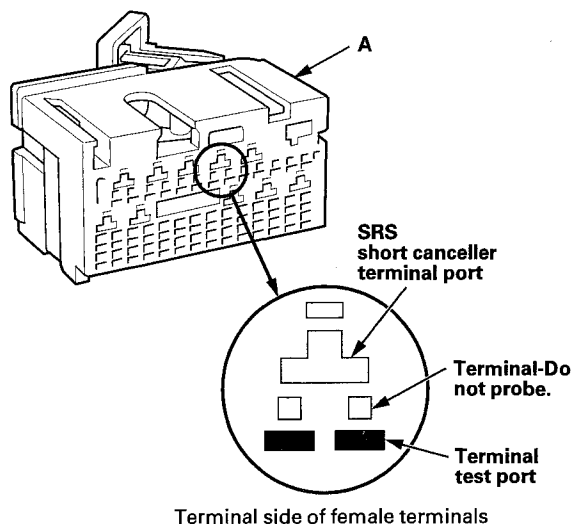


- Use specified service connectors in troubleshooting. Using improper tools could cause a diagnostic error due to poor metal-to-metal contact.



SRS Unit Connectors

When diagnosing or troubleshooting at an SRS unit connector (A), use the terminal test port below the terminal you need to check. Gently insert the pin probes of the tester or jumper wire at the terminal test port from the terminal side.

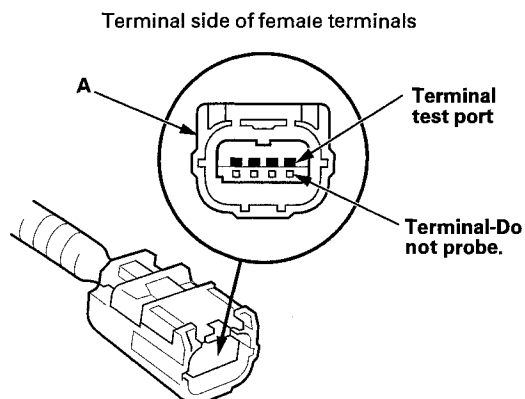


NOTE:

- Do not insert the pin probes of the tester or a jumper wire at the terminal port or the SRS short canceller terminal port.
- To prevent damage to the connector terminals, do not insert the test equipment probes, paper clips, or other substitutes as they can damage the terminals. Damaged terminals cause a poor connection and an incorrect measurement.

Water Proof SRS Connectors

When diagnosis/troubleshooting is done at water proof connector (A), use the terminal test port above the terminal you need to check. Gently contact the pin probe of the tester or jumper wire at the terminal test port from the terminal side.



NOTE:

- Do not insert the pin probes of the tester or a jumper wire into the terminal port.
- To prevent damage to the connector terminals, do not insert the test equipment probes, paper clips, or other substitutes as they can damage the terminals. Damaged terminals can cause a poor connection and an incorrect measurement.

(cont'd)

SRS (Supplemental Restraint System)

Precautions and Procedures (cont'd)

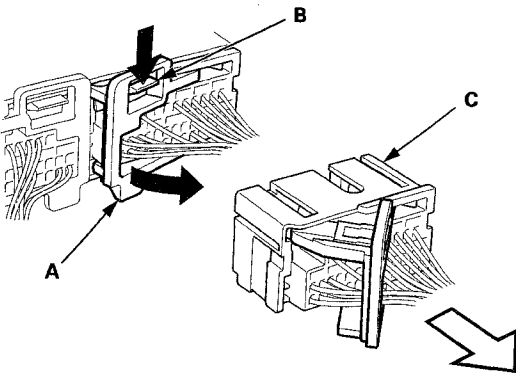
Lever-locked Connector

The SRS unit connectors have a lever lock.

SRS Unit Connectors

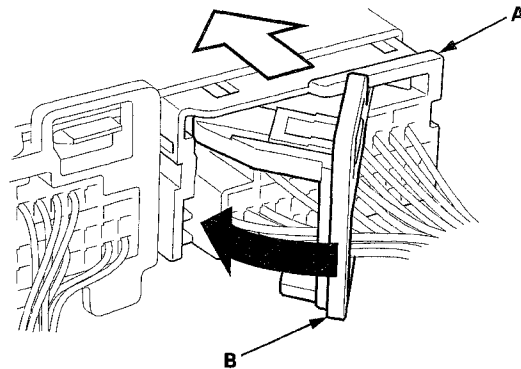
Disconnecting

To release the lock, pull the lever (A) while pushing the lock (B) on the outside of the connector, then pull out the connector (C).



Connecting

To reconnect the connector, push in on the connector (A). As the connector is pressed in, the lever (B) moves to the locked position.





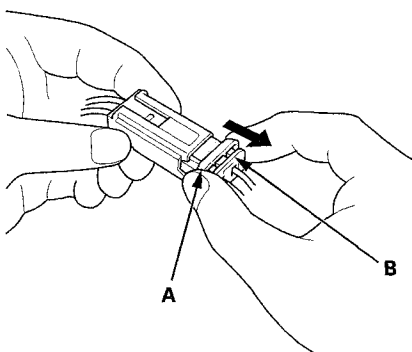
Spring-loaded Lock Connector

Some SRS connectors have a spring-loaded lock.

Front Airbag Connectors

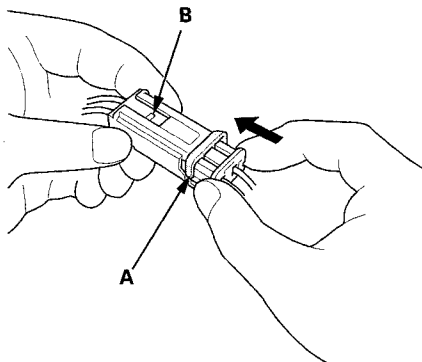
Disconnecting

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

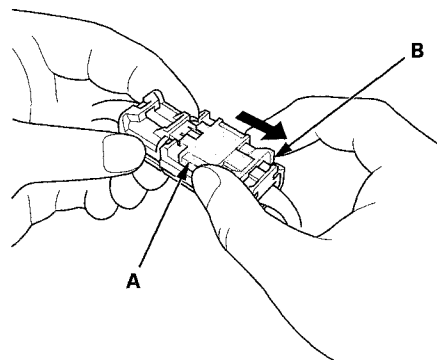
To reconnect, hold the pawl-side connector, and press on the back of the sleeve-side connector in the direction shown. As the two connector halves are pressed together, the sleeve (A) is pushed back by the pawl (B). Do not touch the sleeve.



Side Airbag Connector

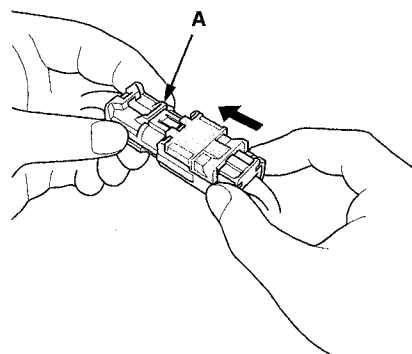
Disconnecting

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.



(cont'd)

SRS (Supplemental Restraint System)

Precautions and Procedures (cont'd)

Opening the SRS Unit Shorting Connectors for Diagnosis

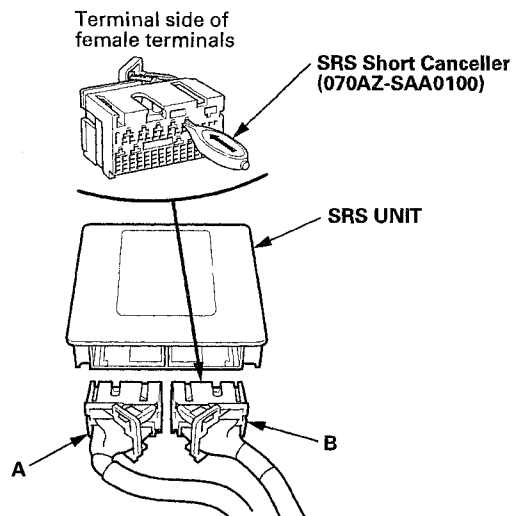
Special Tools Required

SRS Short Cancellor 070AZ-SAA0100

NOTE:

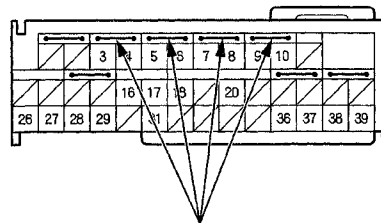
- To prevent damage to the connector cavity, insert an SRS short canceller straight into the cavity from the terminal side.
- Before installing an SRS short canceller, wash it with electrical contact cleaner, then dry it with compressed air.
- Do not use an SRS short canceller if it is damaged.
- Make sure to remove an SRS short canceller before reconnecting the SRS unit connector.
- Some systems store data in memory that is lost when the battery is disconnected. Before disconnecting the battery, refer to Battery Terminal Disconnection and Reconnection (see page 22-86).

When SRS unit connectors A (39P) and B (39P) are disconnected, a short circuit is automatically created in the connector to prevent accidental deployment of an airbag or tensioner. The circuit may need to be opened when diagnosing the system. Insert an SRS short canceller (070AZ-SAA0100) in the specified cavities when necessary to keep the circuit open for diagnosis.



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

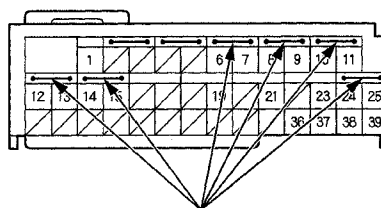
SRS UNIT CONNECTOR A (39P)



Insert short canceller(s) here.

Wire side of female terminals

SRS UNIT CONNECTOR B (39P)



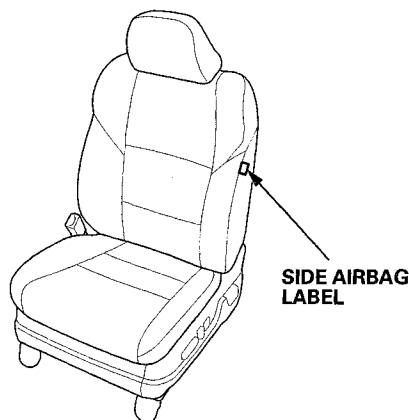
Insert short canceller(s) here.

Wire side of female terminals



Seats With Side Airbags

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



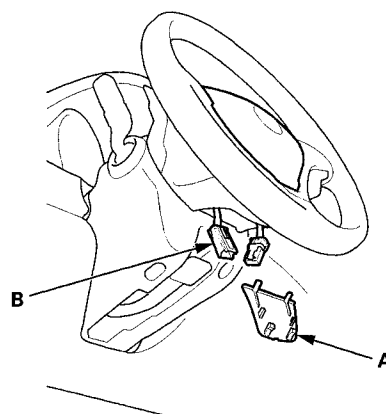
- Clean the seats with a damp cloth. Do not soak the seats with liquid. Do not spray steam on the seats.
- Do not repair a torn or frayed seat-back cover/pad. Replace the seat-back cover/pad if it is damaged.
- After a collision where the side airbag was deployed, replace the side airbag and the seat frame with new parts. If the seat-back cushion is split, it must be replaced. Refer to Component Replacement/Inspection After Deployment (see page 24-154).
- Never put aftermarket accessories on the seats (covers, pads, seat heaters, lights, etc.).

Disconnecting System Connectors

1. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes.

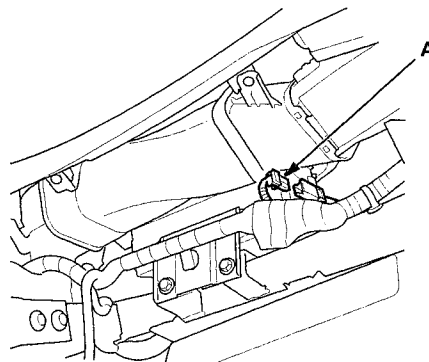
Driver's Airbag

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



Front Passenger's Airbag

3. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag 4P connector.



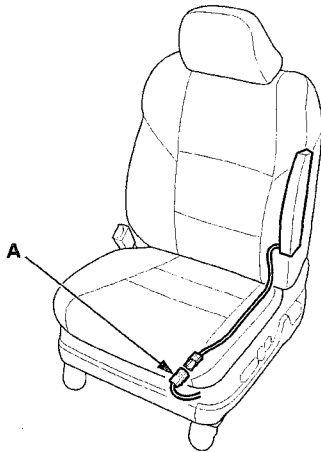
(cont'd)

SRS (Supplemental Restraint System)

Precautions and Procedures (cont'd)

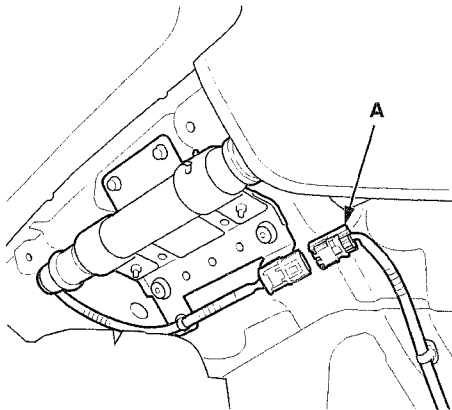
Side Airbag

4. Disconnect the SRS floor wire harness 2P connectors (A) from the driver's and the front passenger's side airbag 2P connectors.



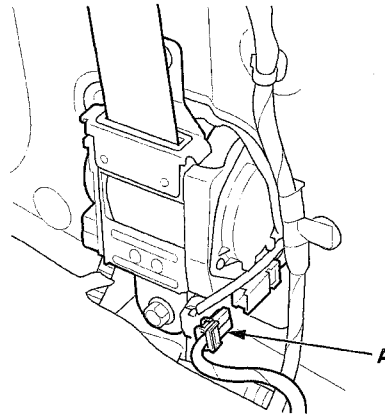
Side Curtain Airbag

5. Remove the C-pillar trim (see page 20-89), then disconnect both SRS floor wire harness 2P connectors (A) from the side curtain airbag 2P connectors.



Seat Belt Tensioner

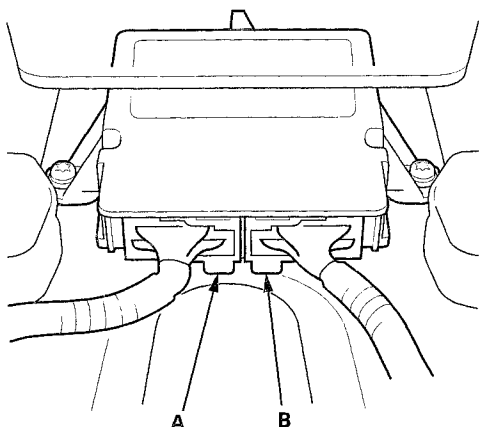
6. Remove the B-pillar lower trim (see page 20-86), then disconnect both SRS floor wire harness 4P connectors (A) from the seat belt tensioner 4P connectors.





SRS Unit

7. Remove the center console (see page 20-109) and heater joint ducts (see step 3 on page 24-174).
8. Disconnect SRS unit connectors A (39P) and B (39P) from the SRS unit.



General Troubleshooting Information

DTC (Diagnostic Trouble Codes)

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

- When you turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, the SRS indicator should come on. If it goes off after 6 seconds, the system is normal, and is not currently detecting any problems.
- If there is a problem, the system locates and defines the problem, stores this information in memory, and turns on the SRS indicator. The data remains in memory even if the ignition switch is turned to LOCK (0), the engine start/stop button is pressed to select the OFF mode, or the battery is disconnected.
- The data is stored in memory as a diagnostic trouble code (DTC).
- DTCs are either latching or resetting depending on the malfunction. With resetting DTCs, the SRS indicator goes off the next time the ignition switch is turned to ON (II), or the engine start/stop button is pressed to select the ON mode, and the system is normal, but the DTC is still stored. With latching DTCs, the SRS indicator does not turn OFF until the malfunction is repaired and the DTC is cleared.
- When you connect the HDS to the data link connector (DLC), you can retrieve a more detailed DTC in the HDS "SRS" menu.
- After reading and recording the DTC, go to the troubleshooting procedure for that code.

(cont'd)

SRS (Supplemental Restraint System)

General Troubleshooting Information (cont'd)

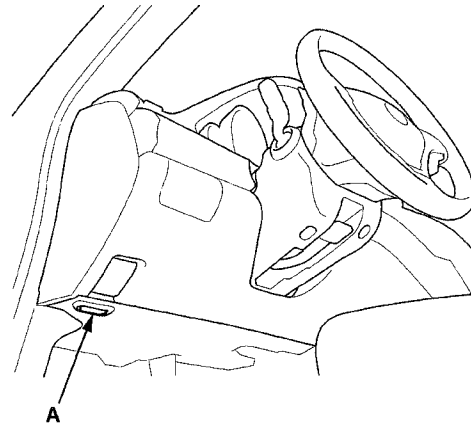
Precautions

- Make sure the battery is fully charged. If the battery is dead or low, electrical measurements values may not be correct.
- Use only a digital multimeter to check the system. 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 in ON (II), press the engine start/stop button to select the ON mode, or has been turned to LOCK (0), or the engine start/stop button is pressed to select the OFF mode for less than 3 minutes, be careful not to bump the SRS unit; the airbags could accidentally deploy and cause damage or injuries.
- Before removing the dashboard wire harness or SRS floor wire harness, disconnect the driver's airbag connector, the front passenger's airbag connector, both side airbag connectors, both side curtain airbag connectors, and both seat belt tensioner connectors.
- Do not touch a tester probe to the terminals in the SRS unit or harness connectors, and do not connect the SRS unit terminals or the sensor terminals with a jumper wire. Use only the backprobe set and the multimeter. Backprobe spring-loaded lock type connectors correctly.

How to Read DTCs

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

1. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
2. Connect the HDS to the data link connector (DLC) (A).



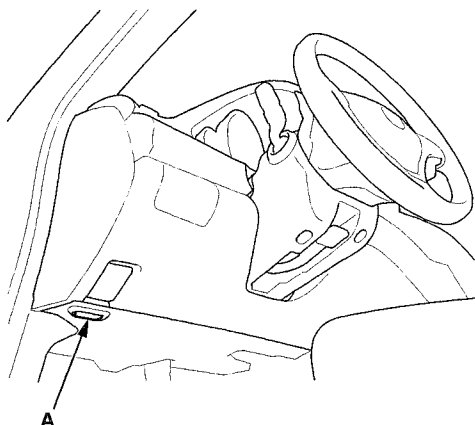
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
5. Use the HDS to check for SRS DTCs.
6. Read and record the DTC.
7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
8. Disconnect the HDS from the DLC.
9. Do the troubleshooting procedure for the DTC.



How to Clear DTCs

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

1. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
2. Connect the HDS to the data link connector (DLC) (A).



3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
5. In the SRS MENU of the HDS, select SRS, then DTC to clear DTCs.
6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
7. Disconnect the HDS from the DLC.

Troubleshooting Intermittent Failures

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

NOTE:

- Check the condition of the battery (see page 22-84), and the charging system (see page 4-41). Low battery voltage may cause some intermittent failures.
- A faulty or damaged cable reel can cause intermittent problems related to the driver's airbag inflator DTCs.

After checking the DTC, troubleshoot as follows:

1. Check for DTCs with the HDS (see How to Read DTCs).
2. Clear the DTCs with the HDS (see How to Clear DTCs).
3. Set the parking brake, then start the engine, and let it idle.
4. The SRS indicator comes on for about 6 seconds and then goes off.
5. Shake the related wire harnesses and the connectors, and look for loose connections, poor pinfits, and poor grounds.
6. Take a test-drive (quick acceleration, quick braking, and cornering), turn the steering wheel fully left and right, and hold it there for 5 to 10 seconds. If the problem recurs, the SRS indicator will come on.
7. If you cannot duplicate the concern, ask the client about the conditions when it occurred, or ask the client to demonstrate the concern.
8. If you cannot duplicate the intermittent failure, the system is OK at this time.

SRS (Supplemental Restraint System)

SRS Unit Update

Special Tools Required

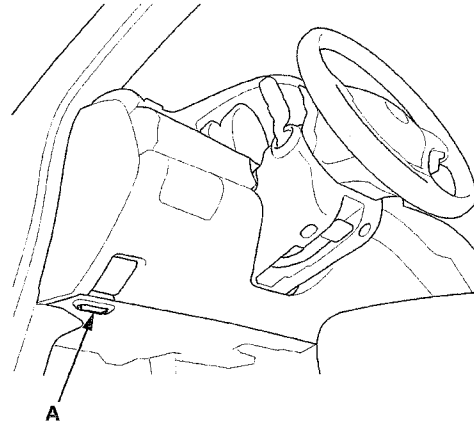
- Honda Diagnostic System (HDS) tablet tester
- Honda Interface Module (HIM) and an iN workstation with the latest HDS software version
- HDS pocket tester
- GNA600 and an iN workstation with the latest HDS software version

Any one of the above updating tools can be used.

NOTE:

- Make sure the HDS/iN workstation has latest HDS software version.
 - Before you update the SRS unit, make sure the battery in the vehicle is fully charged.
 - Never turn the ignition switch to LOCK (0) or ACC (I), or press the engine start/stop button to select the OFF or ACC mode during the update. If there is a problem with the update, leave the ignition switch in ON (II), or press the engine start/stop button to select the ON mode.
 - To prevent SRS unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, moonroof (if equipped), door locks, etc.) during the update.
 - To ensure the latest program is installed, do an SRS unit update whenever the SRS unit is replaced.
 - You cannot update an SRS unit with a program it already has. It will only accept a new program.
 - If you need to diagnose the HIM because the HIM's red (#3) light came on or was flashing during the update, leave the ignition switch in ON (II), or press the engine start/stop button to select the ON mode when you disconnect the HIM from the data link connector (DLC). This will prevent SRS unit damage.
1. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.

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



3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, but do not start the engine.
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
5. Select the update program, and follow the screen prompts to update the SRS unit.
6. If the software in the SRS unit is the latest, disconnect the HDS/HIM from the DLC, and go back to the procedure that you were doing. If the software in the SRS unit is not the latest, follow the instructions on the screen.

NOTE: If you run into a problem during the update procedure (programming takes over 15 minutes, status bar goes over 100%, D or immobilizer light flashes, HDS tablet freezes, etc.), follow these steps to minimize the chance of damaging the SRS unit:

- Leave the ignition switch in ON (II), or press the engine start/stop button to select the ON mode position.
- Connect a jumper battery (do not connect a battery charger).
- Shut down the HDS.
- Disconnect the HDS from the DLC.
- Reboot the HDS.
- Reconnect the HDS to the DLC, and try the update procedure again.

7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
8. Disconnect the HDS from the DLC.



ODS Unit Initialization

NOTE:

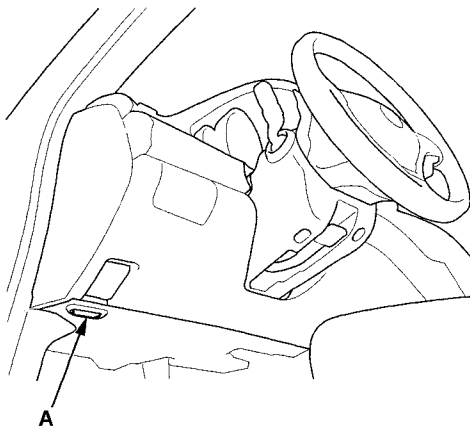
- After ODS unit is replaced, do this procedure to initialize the ODS unit.
- ODS unit initialization will initialize both OPDS sensor and seat weight sensor.

OPDS Sensor Initialization

After a seat-back cover/pad, and/or ODS unit is replaced, do this procedure to initialize the OPDS sensor with the HDS.

NOTE:

- A new (uninitialized) ODS unit installed with a faulty OPDS sensor can cause DTC 85-71 and DTC 85-78.
 - Before initializing the ODS unit, make sure the battery is fully charged.
1. Clear the DTC with the HDS (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 in LOCK (0), or press the engine start/stop button to select the OFF mode.
 4. Connect the HDS to the data link connector (DLC) (A).



5. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
6. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
7. From the HDS Main Menu, select SRS, then INITIALIZATION. In the INITIALIZATION Menu, select ODS Initialization. Follow the prompts until the OPDS sensor initialization has been completed.
8. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
9. Disconnect the HDS from the DLC.

NOTE: If the ODS unit fails to initialize after several attempts, replace the seat-back cover/pad with equipped OPDS sensor (see page 20-148) and retry. If the ODS unit continues to fail to initialize, replace the ODS unit (see page 24-180).

Front Passenger's Weight Sensor Initialization

When you replace the SRS unit, the front passenger's weight sensor, the front passenger's seat assembly, or the ODS unit, initialize the front passenger's weight sensor with the HDS.

While doing the initialization of the ODS unit, observe these precautions:

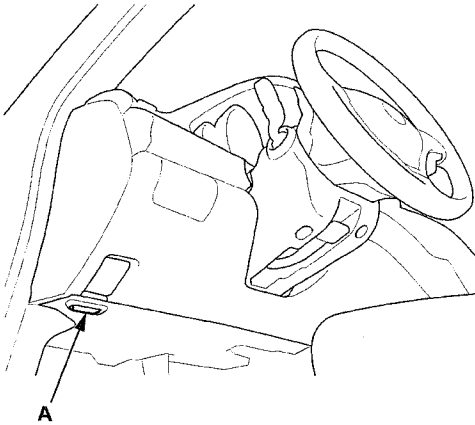
- Before initializing the front passenger's weight sensor, make sure the battery is fully charged.
- Make sure all components of the front passenger's seat are correctly installed.
- Make sure nothing is on the front passenger's seat.
- Make sure there is nothing in the front passenger's seat-back pocket.
- Keep the windows and the moonroof closed.
- Do all initialization 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 during initialization, until you are prompted to or when you have completed the initialization.
- Do not expose the front passenger's seat to sudden temperature changes.

(cont'd)

SRS (Supplemental Restraint System)

ODS Unit Initialization (cont'd)

1. Position the front passenger's all the way rearward, and adjust the seat-back to the forward most position. Do not move the seat from this position until the initialization is completed.
2. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
3. Connect the HDS to the data link connector (DLC) (A).



4. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
5. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
6. Drive the vehicle, and accelerate to 20 mph (36 km/h), then stop on level ground.
7. From the HDS Main Menu, select SRS, then INITIALIZATION. In the INITIALIZATION Menu, select SWS Initialization. Follow the prompts until the front passenger's weight sensor initialization has been completed.
8. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
9. Disconnect the HDS from the DLC.

ODS Unit Operation Check

Check the ODS operation after any of these actions:

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

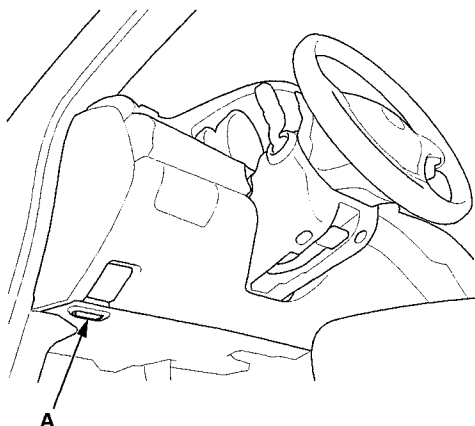
Pre-operation Check Set-up

- Before doing the ODS unit operation check, make sure the battery is fully charged.
- Make sure all the components of the front passenger's seat are correctly installed.
- Position the front passenger's seat all the way rearward. Adjust the seat-back all the way forward. Do not move the seat from this position until the initialization is completed.
- Make sure nothing is on the front passenger's seat.
- Make sure there is nothing in the front passenger's seat-back pocket.
- Keep the windows and the moonroof closed.
- Do all initialization procedures, except test-driving, in the service bay.
- Make sure the vehicle is on level ground.
- Turn the heater and the A/C off.
- Do not touch the passenger's seat during the operation check.
- Do not expose the front passenger's seat to sudden temperature changes.
- Make sure all aftermarket devices such as amplifiers, fluorescent light, air purifiers, CB or HAM radios, etc. are turned off.



After Replacing Front Passenger's Seat Component(s)

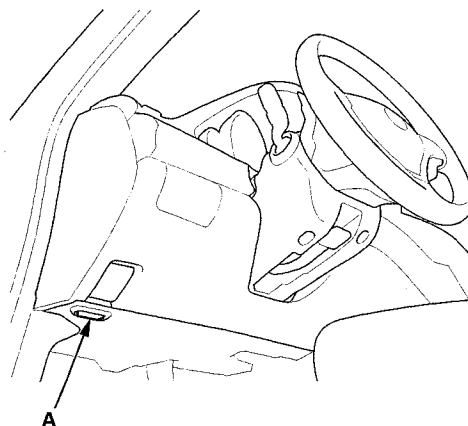
1. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
2. Connect the HDS to the data link connector (DLC) (A).



3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
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 Inspection. In the Inspection Menu, select SEAT OUTPUT CHECK. Follow the prompts until the ODS unit operation check has been completed.
7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
8. Disconnect the HDS from the DLC.

Front Passenger's Weight Sensor Output Check After a Vehicle Collision

1. Position the front passenger's seat to the rear most position, and adjust the seat-back to the forward most 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. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
4. Connect the HDS to the data link connector (DLC) (A).



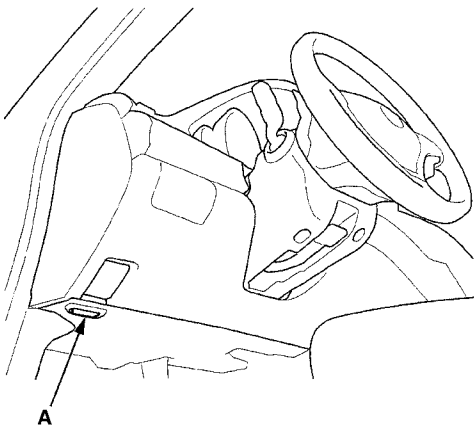
5. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
6. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
7. From the HDS Main Menu, select SRS, then Inspection. In the Inspection Menu, select SEAT OUTPUT CHECK. Follow the prompts until the front passenger's weight sensor output check has been completed.
8. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
9. Disconnect the HDS from the DLC.

SRS (Supplemental Restraint System)

Driver's Seat Position Sensor Operation Check

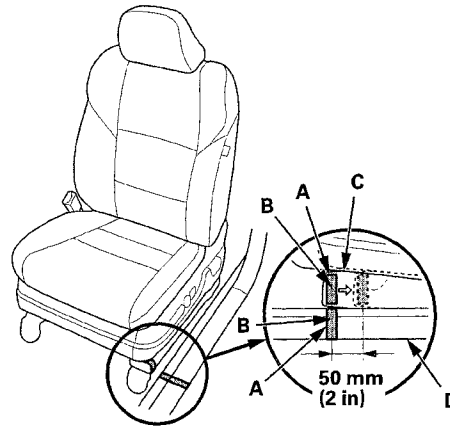
Check the driver's seat position sensor after the driver's seat position sensor replacement.

1. Make sure the driver's seat is all the way forward position.
2. Make sure the ignition switch is in LOCK (0), or press the engine start/stop button to select the OFF mode.
3. Connect the HDS to the data link connector (DLC) (A).



4. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
5. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
6. From the HDS Main Menu, select SRS, then PARAMETER INFORMATION. In the PARAMETER INFORMATION Menu, select Buckle Switch, Seat Position Sensor.

7. Using two pieces of tape (A), make alignment marks (B) on the upper rail outer cover (C) and the front door sill trim (D) as shown. The driver's seat position sensor should read NEAR.



8. Move the seat back in small increments (about 5 mm, 0.2 in) until the driver's seat position sensor reads NOT NEAR. The seat should be about 50 mm (2 in) from the front.

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

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

9. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
10. Disconnect the HDS from the DLC.



DTC Troubleshooting Index

DTC	Detection Item	Notes
11-1x	Open in the driver's airbag first inflator	DTC Troubleshooting (see page 24-50)
11-3x	Short to another wire or decreased resistance in the driver's airbag first inflator	DTC Troubleshooting (see page 24-52)
11-8x	Short to power in the driver's airbag first inflator	DTC Troubleshooting (see page 24-54)
11-9x	Short to ground in the driver's airbag first inflator	DTC Troubleshooting (see page 24-56)
11-4x	Open in the driver's airbag second inflator	DTC Troubleshooting (see page 24-50)
11-6x	Short to another wire or decreased resistance in the driver's airbag second inflator	DTC Troubleshooting (see page 24-52)
11-Ax	Short to power in the driver's airbag second inflator	DTC Troubleshooting (see page 24-54)
11-Bx	Short to ground in the driver's airbag second inflator	DTC Troubleshooting (see page 24-56)
12-1x	Open in the front passenger's airbag first inflator	DTC Troubleshooting (see page 24-58)
12-3x	Short to another wire or decreased resistance in the front passenger's airbag first inflator	DTC Troubleshooting (see page 24-59)
12-8x	Short to power in the front passenger's airbag first inflator	DTC Troubleshooting (see page 24-61)
12-9x	Short to ground in the front passenger's airbag first inflator	DTC Troubleshooting (see page 24-62)
12-4x	Open in the front passenger's airbag second inflator	DTC Troubleshooting (see page 24-58)
12-6x	Short to another wire or decreased resistance in the front passenger's airbag second inflator	DTC Troubleshooting (see page 24-59)
12-Ax	Short to power in the front passenger's airbag second inflator	DTC Troubleshooting (see page 24-61)
12-Bx	Short to ground in the front passenger's airbag second inflator	DTC Troubleshooting (see page 24-62)
21-1x	Open in the driver's seat belt tensioner	DTC Troubleshooting (see page 24-64)
21-3x	Short to another wire or decreased resistance in the driver's seat belt tensioner	DTC Troubleshooting (see page 24-65)
21-8x	Short to power in the driver's seat belt tensioner	DTC Troubleshooting (see page 24-67)
21-9x	Short to ground in the driver's seat belt tensioner	DTC Troubleshooting (see page 24-68)
22-1x	Open in the front passenger's seat belt tensioner	DTC Troubleshooting (see page 24-70)
22-3x	Short to another wire or decreased resistance in the front passenger's seat belt tensioner	DTC Troubleshooting (see page 24-71)
22-8x	Short to power in the front passenger's seat belt tensioner	DTC Troubleshooting (see page 24-73)
22-9x	Short to ground in the front passenger's seat belt tensioner	DTC Troubleshooting (see page 24-74)

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.

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting Index (cont'd)

DTC	Detection Item	Notes
31-1x	Open in the driver's side airbag inflator	DTC Troubleshooting (see page 24-76)
31-3x	Short to another wire or decreased resistance in the driver's side airbag inflator	DTC Troubleshooting (see page 24-77)
31-8x	Short to power in the driver's side airbag inflator	DTC Troubleshooting (see page 24-79)
31-9x	Short to ground in the driver's side airbag inflator	DTC Troubleshooting (see page 24-80)
32-1x	Open in the front passenger's side airbag inflator	DTC Troubleshooting (see page 24-82)
32-3x	Short to another wire or decreased resistance in the front passenger's side airbag inflator	DTC Troubleshooting (see page 24-83)
32-8x	Short to power in the front passenger's side airbag inflator	DTC Troubleshooting (see page 24-85)
32-9x	Short to ground in the front passenger's side airbag inflator	DTC Troubleshooting (see page 24-86)
33-1x	Open in the left side curtain airbag inflator	DTC Troubleshooting (see page 24-88)
33-3x	Short to another wire or decreased resistance in the left side curtain airbag inflator	DTC Troubleshooting (see page 24-89)
33-8x	Short to power in the left side curtain airbag inflator	DTC Troubleshooting (see page 24-91)
33-9x	Short to ground in the left side curtain airbag inflator	DTC Troubleshooting (see page 24-92)
34-1x	Open in the right side curtain airbag inflator	DTC Troubleshooting (see page 24-94)
34-3x	Short to another wire or decreased resistance in the right side curtain airbag inflator	DTC Troubleshooting (see page 24-95)
34-8x	Short to power in the right side curtain airbag inflator	DTC Troubleshooting (see page 24-97)
34-9x	Short to ground in the right side curtain airbag inflator	DTC Troubleshooting (see page 24-98)

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.



DTC	Detection Item	Notes
41-1x	No signal from the left front impact sensor	DTC Troubleshooting (see page 24-100)
41-2x	Internal failure of the left front impact sensor	DTC Troubleshooting (see page 24-105)
41-3x		
41-Bx		
42-1x	No signal from the right front impact sensor	DTC Troubleshooting (see page 24-102)
42-2x	Internal failure of the right front impact sensor	DTC Troubleshooting (see page 24-105)
42-3x		
42-Bx		
43-1x	No signal from the left side impact sensor (first)	DTC Troubleshooting (see page 24-106)
43-2x	Internal failure of the left side impact sensor (first)	DTC Troubleshooting (see page 24-111)
43-8x		
43-Bx		
44-1x	No signal from the right side impact sensor (first)	DTC Troubleshooting (see page 24-108)
44-2x	Internal failure of the right side impact sensor (first)	DTC Troubleshooting (see page 24-111)
44-8x		
44-Bx		
45-1x	No signal from the left side impact sensor (second)	DTC Troubleshooting (see page 24-112)
45-2x	Internal failure of the left side impact sensor (second)	DTC Troubleshooting (see page 24-117)
45-8x		
45-Bx		
46-1x	No signal from the right side impact sensor (second)	DTC Troubleshooting (see page 24-114)
46-2x	Internal failure of the right side impact sensor (second)	DTC Troubleshooting (see page 24-117)
46-8x		
46-Bx		
51-xx	Internal failure of the SRS unit	DTC Troubleshooting (see page 24-118)
52-xx		
53-xx		
54-xx		
55-xx		
57-xx		
58-xx		
53-FF	SRS unit programming error	DTC Troubleshooting (see page 24-118)

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.

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting Index (cont'd)

DTC	Detection Item	Notes
56-11	Lost communication with the ECM/PCM (PGM-FI system)	DTC Troubleshooting (see page 24-119)
56-21		
56-31	Undefined data received from the ECM/PCM (PGM-FI system)	DTC Troubleshooting (see page 24-119)
56-12		
56-13		
56-22		
56-23		
56-32		
56-33		
56-25	Lost communication with the gauge control module	DTC Troubleshooting (see page 24-120)
56-26	Undefined data received from the gauge control module	DTC Troubleshooting (see page 24-121)
56-27		
61-1x	Open in the driver's seat belt buckle switch	DTC Troubleshooting (see page 24-122)
61-2x	Short in the driver's seat belt buckle switch	DTC Troubleshooting (see page 24-124)
62-1x	Open in the front passenger's seat belt buckle switch	DTC Troubleshooting (see page 24-125)
62-2x	Short in the front passenger's seat belt buckle switch	DTC Troubleshooting (see page 24-127)
71-1x	Open in the driver's seat position sensor	DTC Troubleshooting (see page 24-128)
71-2x	Short in the driver's seat position sensor	DTC Troubleshooting (see page 24-129)
81-4x	Internal the failure of the ODS unit	DTC Troubleshooting (see page 24-130)
81-5x		
81-63		
81-64		
81-61	No signal from the ODS unit	DTC Troubleshooting (see page 24-131)
81-62	Incorrect data from the ODS unit	
81-71	ODS unit not calibrated	DTC Troubleshooting (see page 24-134)
81-78		
81-79	Front passenger's weight sensors initial check failure	DTC Troubleshooting (see page 24-135)
82-1x	No signal from the inner side front passenger's weight sensor	DTC Troubleshooting (see page 24-135)
83-2x	No signal from the outer side front passenger's weight sensor	DTC Troubleshooting (see page 24-136)

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.



DTC	Detection Item	Notes
85-4x	Internal failure of the ODS unit	DTC Troubleshooting (see page 24-136)
85-5x		
85-63		
85-64		
85-61	No signal from the ODS unit	DTC Troubleshooting (see page 24-137)
85-62	Incorrect data from the ODS unit	
85-71	ODS unit not initialized	DTC Troubleshooting (see page 24-140)
85-78		
85-79	OPDS sensor initial check failure	DTC Troubleshooting (see page 24-141)
86-1x	Faulty OPDS seat-back sensor	DTC Troubleshooting (see page 24-141)
86-2x	Faulty OPDS seat support sensor	
92-1x	Short to power in the passenger's airbag cutoff indicator	DTC Troubleshooting (see page 24-142)
92-2x	Open or short to ground in the passenger's airbag cutoff indicator	DTC Troubleshooting (see page 24-143)
A1-1x	Faulty power supply (VA line)	DTC Troubleshooting (see page 24-145)
A2-1x	Faulty power supply (VB line)	DTC Troubleshooting (see page 24-146)
A3-1x	SRS connector A not properly installed	DTC Troubleshooting (see page 24-147)
A4-1x	SRS connector B not properly installed	DTC Troubleshooting (see page 24-147)
B2-1x	No signal from the rear safing sensor	DTC Troubleshooting (see page 24-148)
B2-2x	Internal failure of the rear safing sensor	DTC Troubleshooting (see page 24-150)
B2-8x		
B2-Bx		
Ex-11	Control operation recorded	DTC Troubleshooting (see page 24-150)
Fx-11	Airbags and/or tensioners deployment recorded	DTC Troubleshooting (see page 24-151)

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.

SRS (Supplemental Restraint System)

Symptom Troubleshooting Index

Symptom	Diagnostic procedure	Also check for
SRS indicator does not come on	Symptom Troubleshooting (see page 24-151)	Communication with the HDS
SRS indicator stays on, but no DTCs are stored, or cannot be read	Symptom Troubleshooting (see page 24-152)	• Charging system for under or overcharging • Communication with the HDS
Side airbag cutoff indicator flashes	Check for DTCs. If any DTC is indicated, go to the DTC troubleshooting	• Communication with the HDS • ODS unit initialization
Side airbag cutoff indicator stays on	Symptom Troubleshooting (see page 24-152)	Communication with the HDS
Side airbag cutoff indicator does not come on	Symptom Troubleshooting (see page 24-153)	• Communication with the HDS • ODS unit initialization
Passenger's airbag cutoff indicator flashes	Check for DTCs. If any DTC is indicated, go to the DTC troubleshooting	• Communication with the HDS • ODS unit initialization
Passenger's airbag cutoff indicator stays on or comes on suddenly	Symptom Troubleshooting (see page 24-153)	• Communication with the HDS • ODS unit initialization
Passenger's airbag cutoff indicator does not come on	Check for DTCs. If any DTC is indicated, go to the DTC troubleshooting	Communication with the HDS
HDS does not communicate with the SRS unit or the vehicle	Troubleshoot the DLC circuit (see page 11-258)	Communication with the HDS



System Description

SRS Components

Airbags

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

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 collision severity is near the threshold for airbag deployment. In such case, the SRS system will only deploy airbags when the protection provided by the seat belt is insufficient.

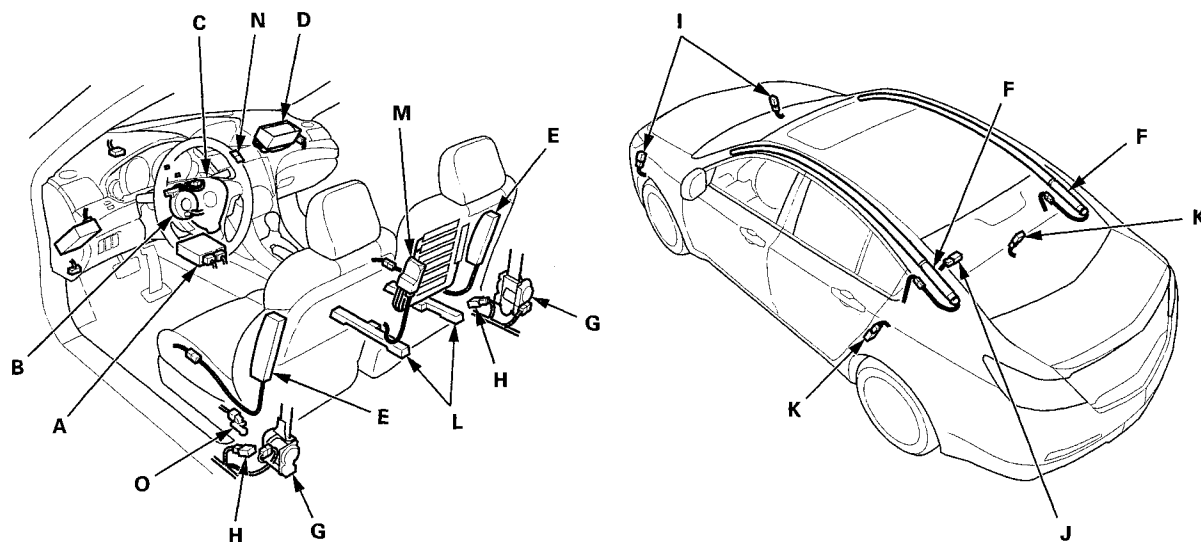
Front Passenger's Weight Sensors

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

NOTE: The sensors only detect the weight on the seat. The sensors do not detect the weight of the passenger's legs or arms that may be resting on the floor or armrests.

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 the forward most position, the deployment of the driver's airbag is moderated to decrease its force of impact during a front-end collision.



(cont'd)

SRS (Supplemental Restraint System)

System Description (cont'd)

Rear Safing Sensor

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

Side Airbag Cutoff Indicator/OPDS Operation

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

Passenger's Airbag Cutoff Indicator/Front Passenger's Weight Sensor Operation

The indicator comes on if the weight on the front passenger's seat 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 analyzes the force of impact and, if necessary, ignites the inflator charges. If battery voltage is too low or power is disconnected due to the impact, the voltage regulator and the back-up power circuit will keep voltage at a constant level.

For the SRS to operate:

Seat Belt Tensioners

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

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

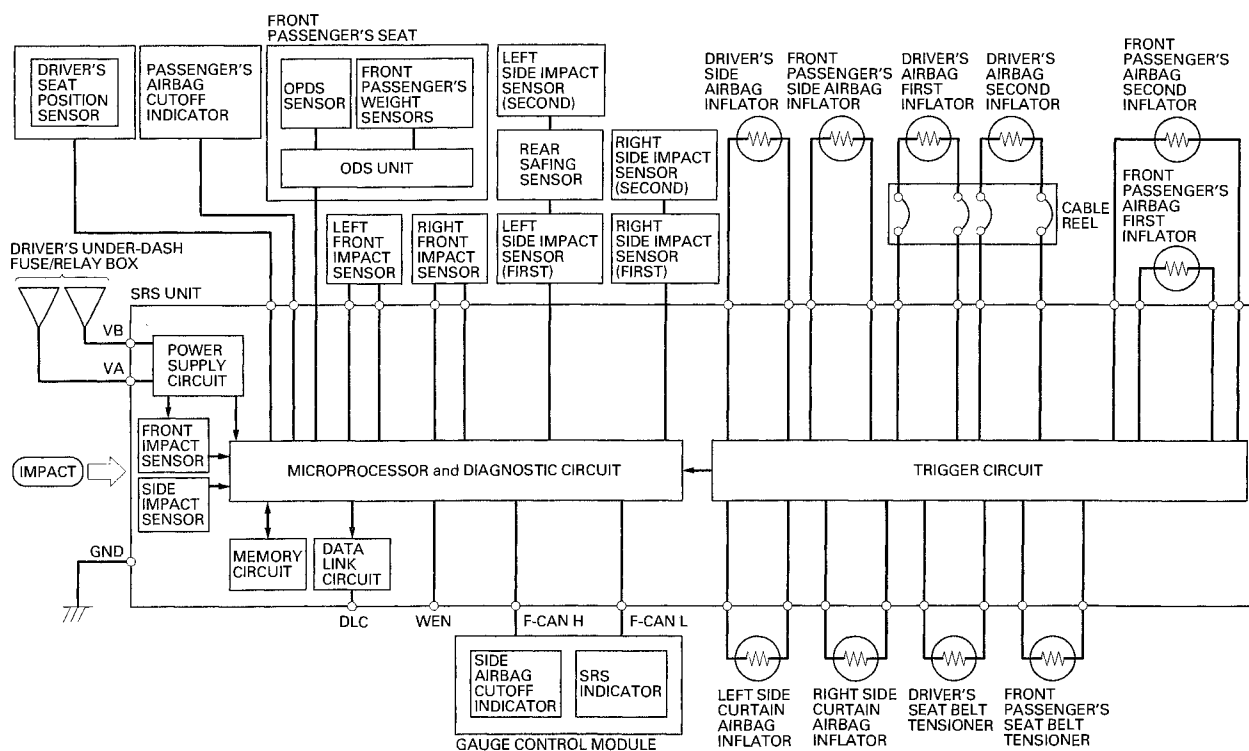
- (1) A front impact sensor must activate and send electric signals to the microprocessor.
- (2) The microprocessor must compute the signals and trigger the airbag inflators.
- (3) The triggered inflators that received signals must ignite and deploy the airbags.

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 trigger the side airbag inflators. However, the microprocessor does not trigger 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 triggered inflators the signal must ignite and deploy the side airbags.

Side Curtain Airbag(s)

- (1) A side impact sensor or the rear safing sensor must activate and send electrical signals to the microprocessor.
- (2) The microprocessor must compute the signals and trigger the side curtain airbag and side airbag inflators.
- (3) The triggered inflators that must ignite and deploy the side curtain airbag and side airbag at the same time.



Self-diagnostic System

A self-diagnostic circuit is built into the SRS unit; when the ignition switch is turned to ON (II), or the engine start/stop button is pressed to select the ON mode, 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 comes on while driving, it indicates a problem in the system. The system must be inspected and repaired as soon as possible.

For better serviceability, the SRS unit memory stores any DTCs related to the cause of the malfunction. The SRS 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 24-23).

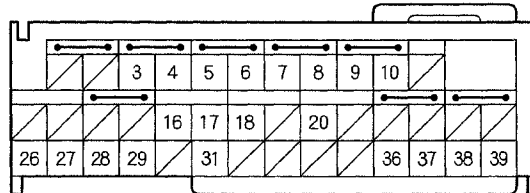
NOTE: Before you disconnect the negative cable from the battery for troubleshooting, refer to Battery Terminal Disconnection and Reconnection (see page 22-86).

(cont'd)

SRS (Supplemental Restraint System)

System Description (cont'd)

SRS Unit Inputs and Outputs at Connector A (39P)



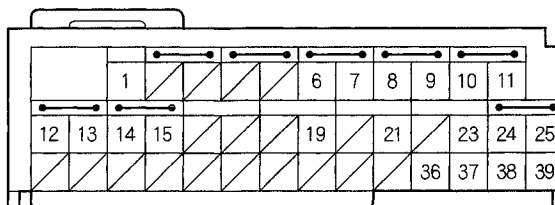
Wire side of female terminals

Terminal Number	Wire Color	Terminal Name	Description
3	BRN*	LA1—	Ground for the driver's airbag first inflator
4	LT BLU*	LA1+	Power source for the driver's airbag first inflator
5	BLU*	RA1—	Ground for the front passenger's airbag first inflator
6	YEL*	RA1+	Power source for the front passenger's airbag first inflator
7	PUR*	LA2—	Ground for the driver's airbag second inflator
8	GRN*	LA2+	Power source for the driver's airbag second inflator
9	BLU*	RA2—	Ground for the front passenger's airbag second inflator
10	LT BLU*	RA2+	Power source for the front passenger's airbag second inflator
16	BLK*	F-CAN L	Sends and receives communication signal from the gauge control module
17	WHT*	F-CAN H	Sends and receives communication signal from the gauge control module
18	LT BLU*	K-LINE	Sends and receives scan tool signal (serial data)
20	BLU*	PTT	Passenger's airbag cutoff indicator output line
26	YEL*	VA	SRS system sub power (common with ODS)
27	RED*	VB	SRS dedicated power (dedicated booster circuit)
28	BLK*	SRS GND1	Ground circuit for the SRS unit (G404)
29	BLK*	SRS GND2	Ground circuit for the SRS unit (G404)
31	RED*	WEN	Data link connector
36	BRN*	LFS—	Ground for the left front impact sensor
37	RED*	LFS+	Power source for the left front impact sensor
38	BRN*	RFS—	Ground for the right front impact sensor
39	GRN*	RFS+	Power source for the right front impact sensor

*: Wire colors may be substituted in this table.



SRS Unit Inputs and Outputs at Connector B (39P)



Wire side of female terminals

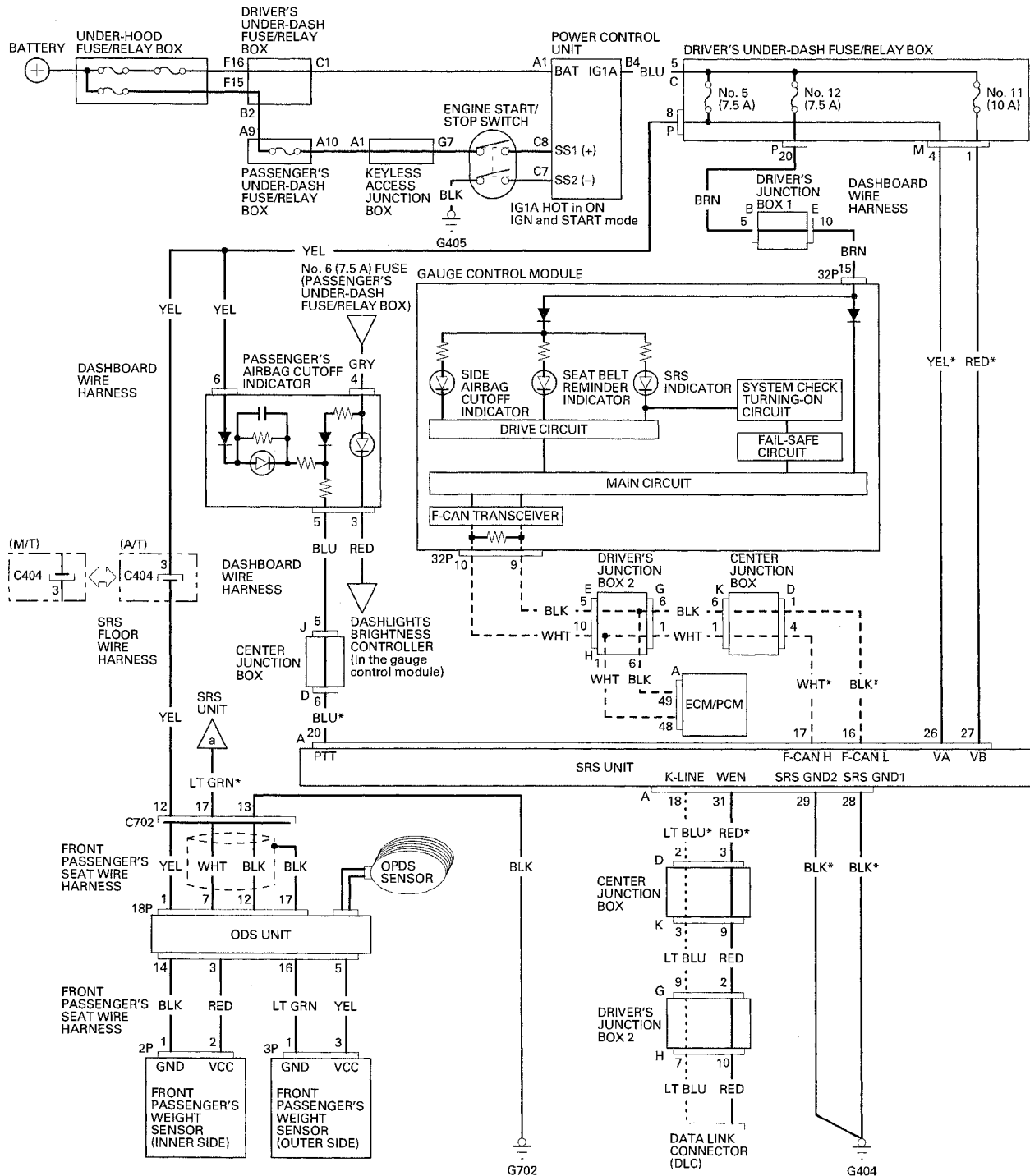
Terminal Number	Wire Color	Terminal Name	Description
1	LT GRN*	ODS	Sends and receives communication signal with the ODS unit
6	LT BLU*	LSA—	Ground for the driver's side airbag inflator
7	YEL*	LSA+	Power source for the driver's side airbag inflator
8	GRN*	RSA—	Ground for the front passenger's side airbag inflator
9	PUR*	RSA+	Power source for the front passenger's side airbag inflator
10	BLU*	LCA1—	Ground for the left side curtain airbag inflator
11	BRN*	LCA1+	Power source for the left side curtain airbag inflator
12	WHT*	LRP—	Ground for the driver's seat belt tensioner
13	BLU*	LRP+	Power source for the driver's seat belt tensioner
14	GRY*	RRP—	Ground for the front passenger's seat belt tensioner
15	PNK*	RRP+	Power source for the front passenger's seat belt tensioner
19	PNK*	FLBC	Driver's seat belt buckle switch
21	RED*	FRBC	Front passenger's seat belt buckle switch
23	LT GRN*	SS+	Driver's seat position sensor
24	RED*	RCA1—	Ground for the right side curtain airbag inflator
25	GRY*	RCA1+	Power source for the right side curtain airbag inflator
36	BRN*	LBS1—	Ground for the left side impact sensor (first), rear safing sensor, left side impact sensor (second)
37	GRY*	LBS1+	Power source for the left side impact sensor (first), rear safing sensor, left side impact sensor (second)
38	ORN*	RBS1—	Ground for the right side impact sensor (first), right side impact sensor (second)
39	BLU*	RBS1+	Power source for the right side impact sensor (first), right side impact sensor (second)

*: Wire colors may be substituted in this table.

SRS (Supplemental Restraint System)

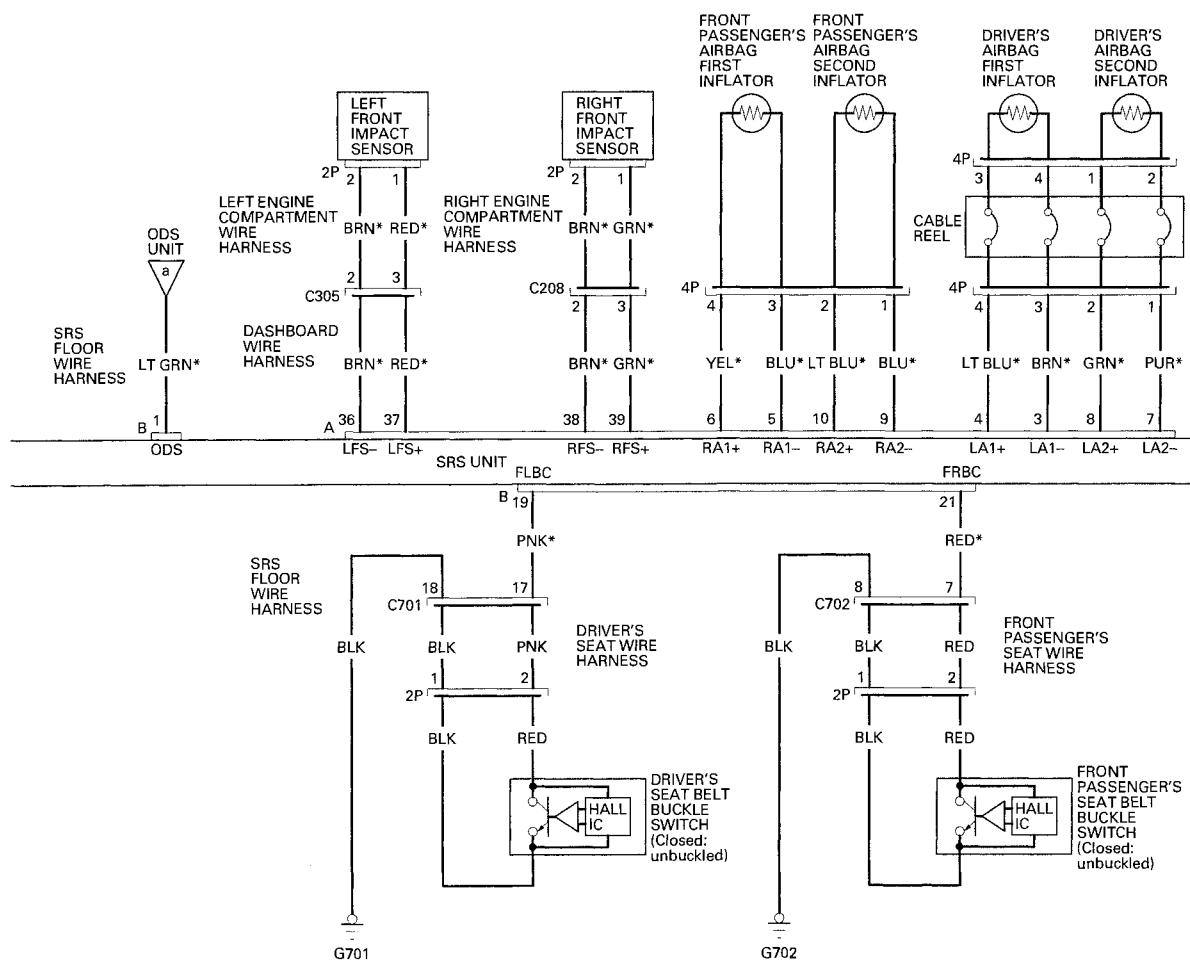
Circuit Diagram

With keyless access system





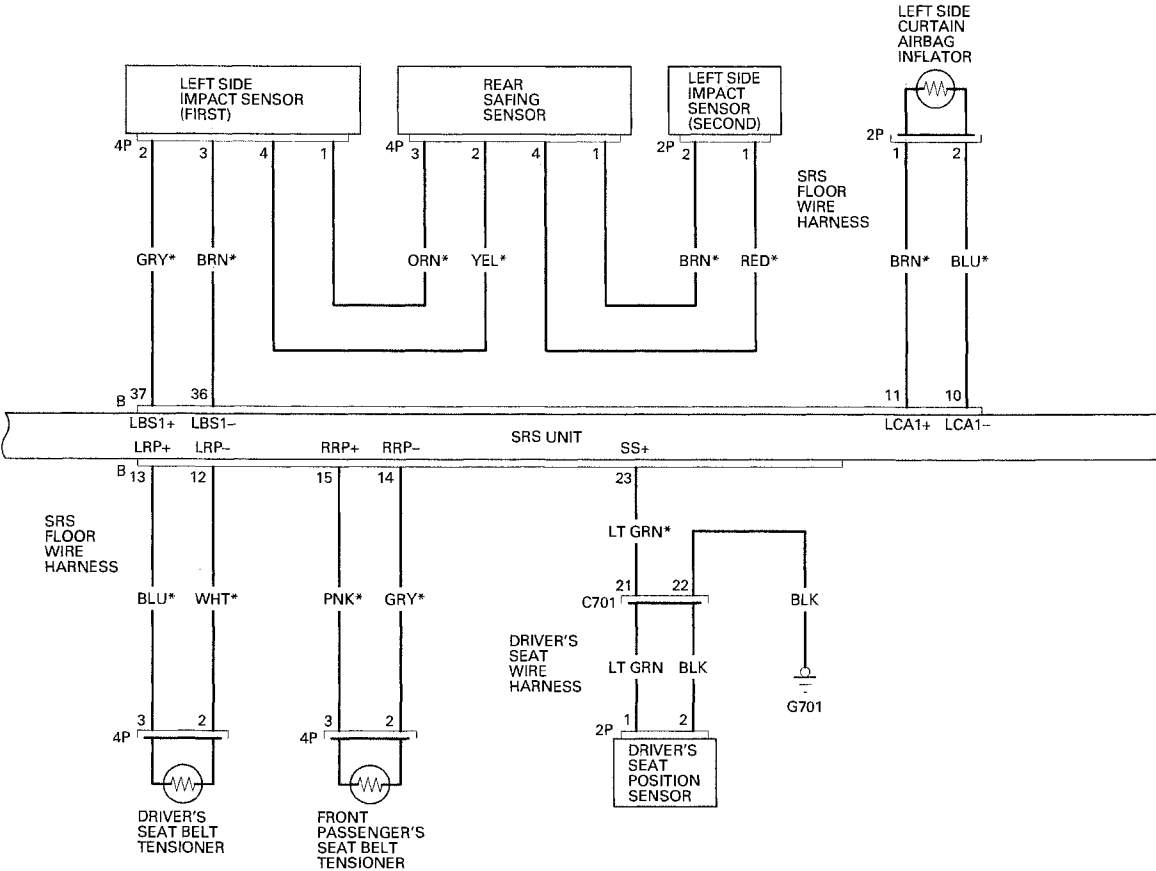
*: Wire colors may be substituted for SRS circuits
- - - - - : CAN line
· · · · · : Other communication line



(cont'd)

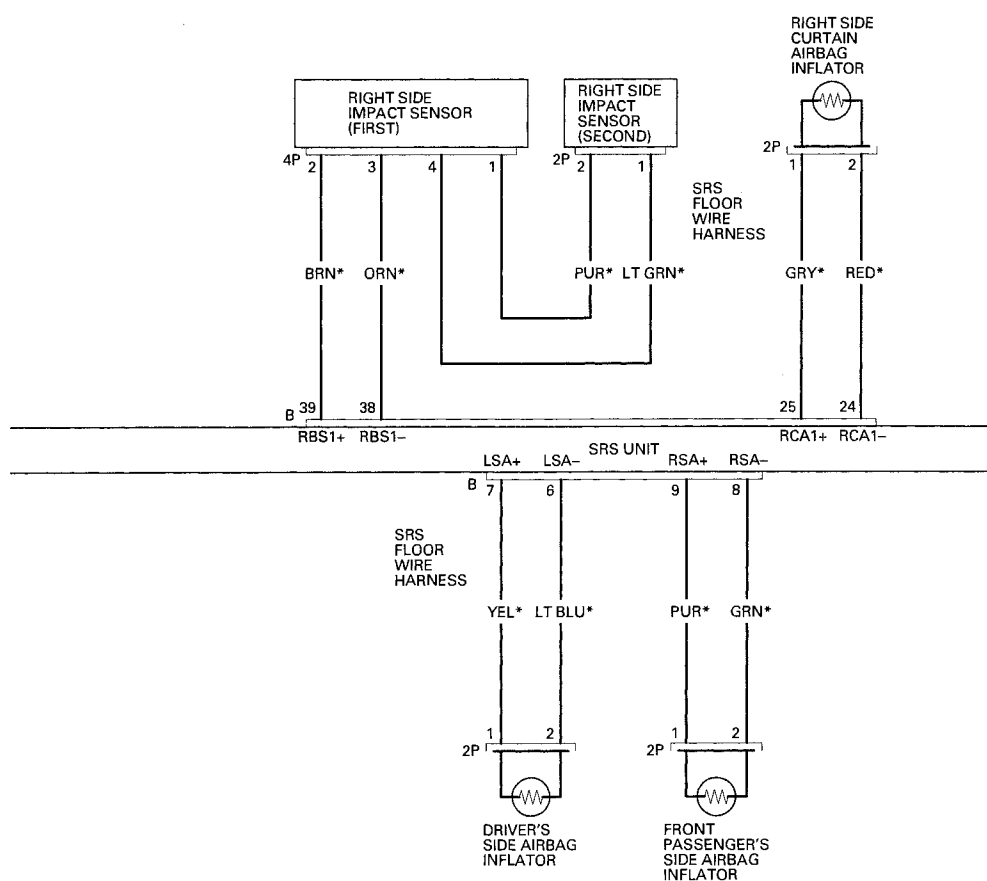
SRS (Supplemental Restraint System)

Circuit Diagram (cont'd)





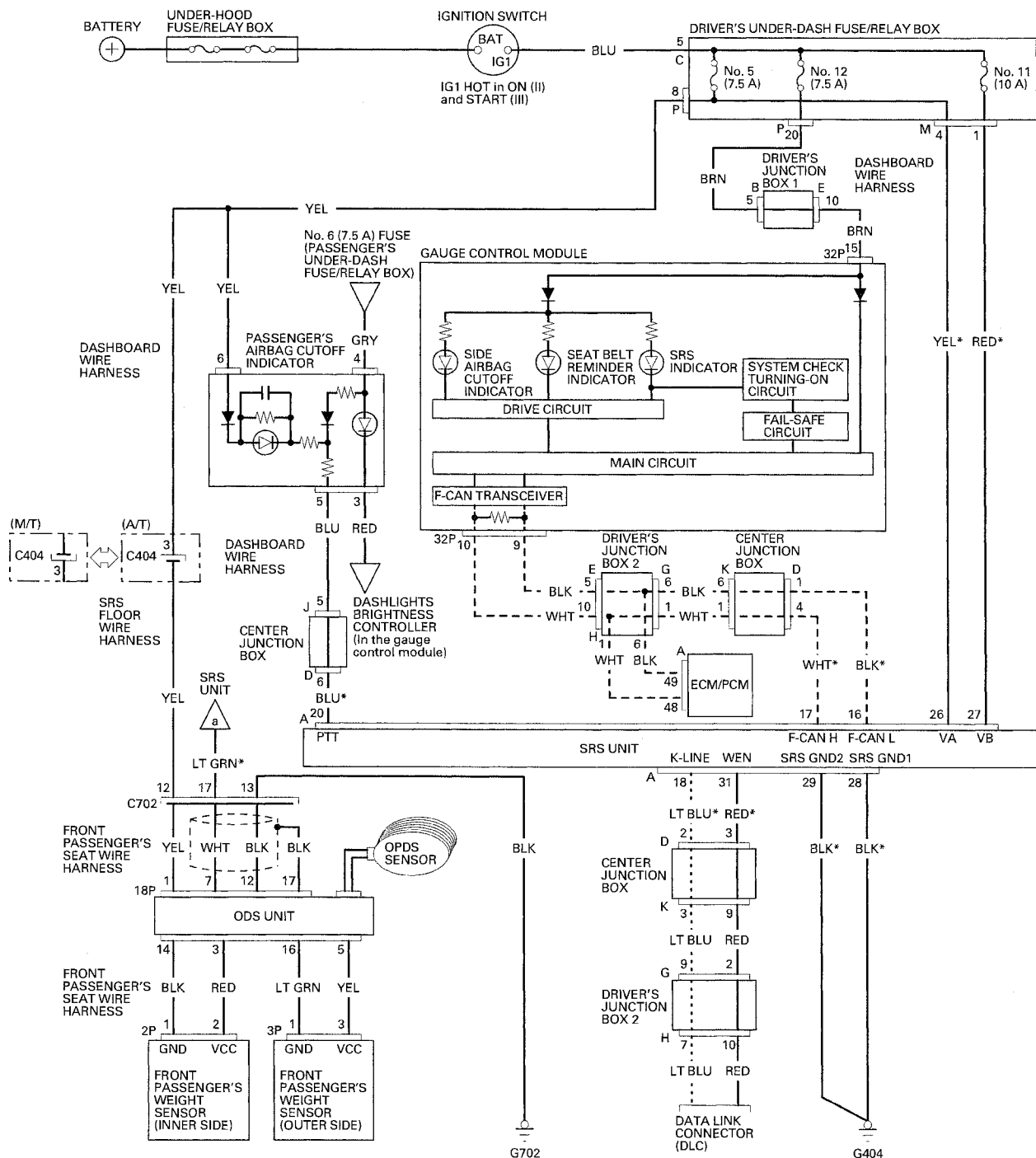
*: Wire colors may be substituted for SRS circuits



SRS (Supplemental Restraint System)

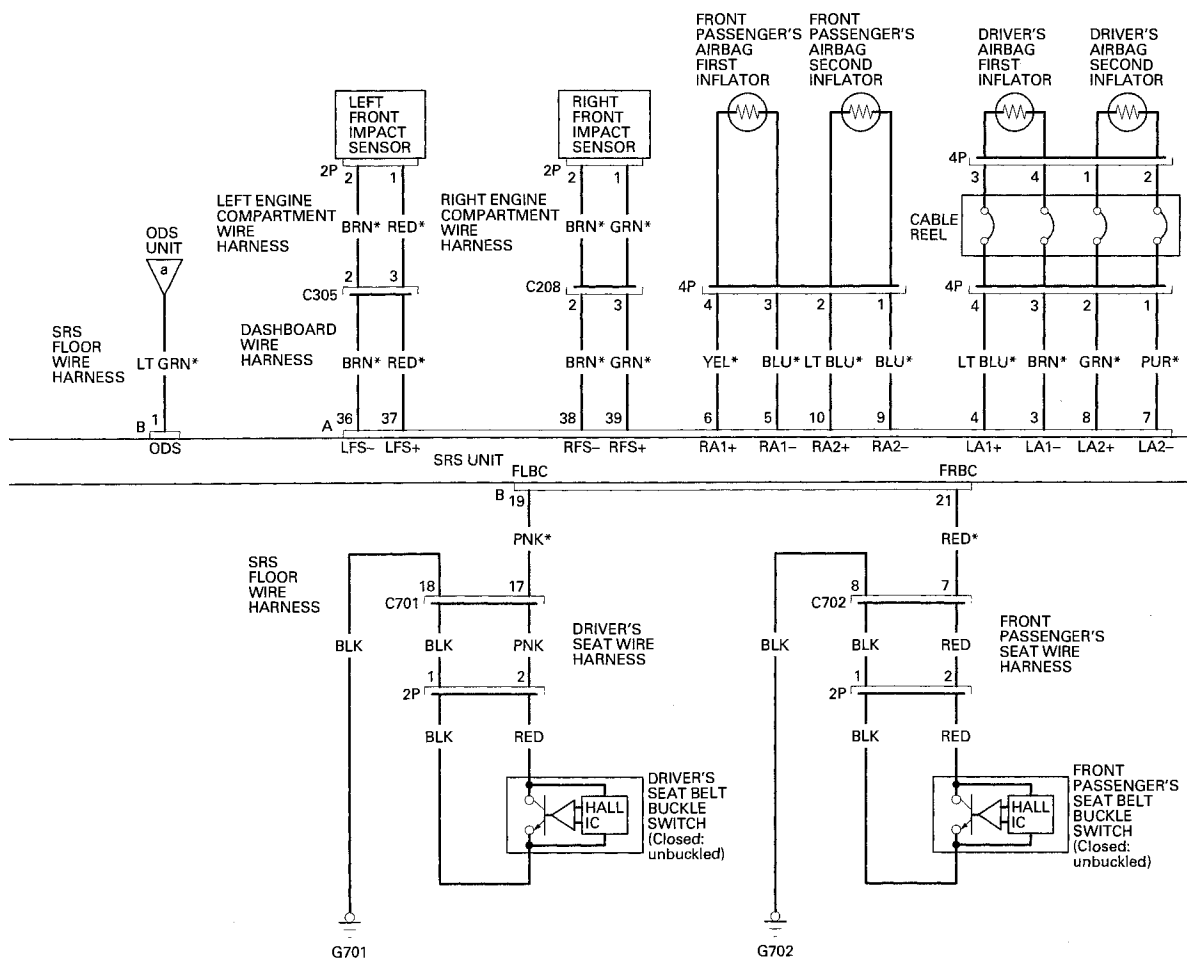
Circuit Diagram (cont'd)

Without keyless access system





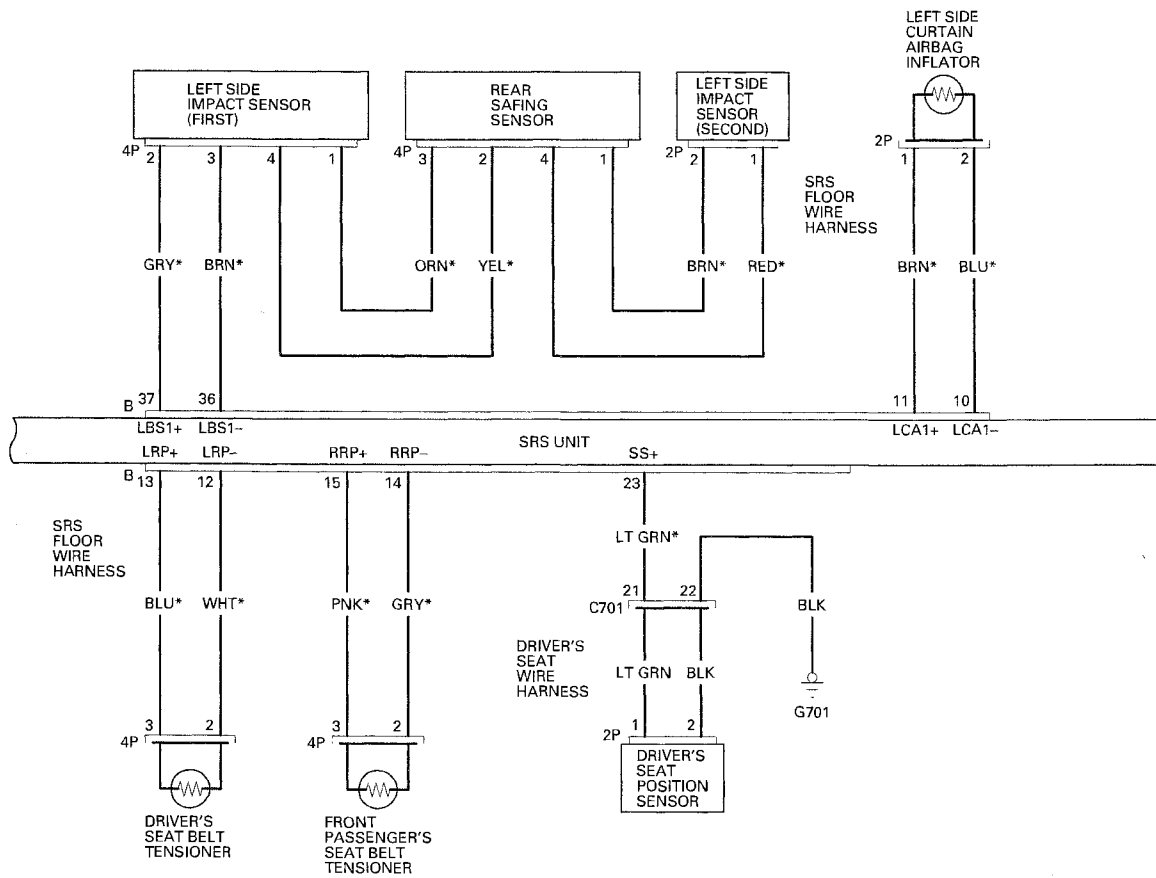
*: Wire colors may be substituted
for SRS circuits
-----: CAN line
.....: Other communication line



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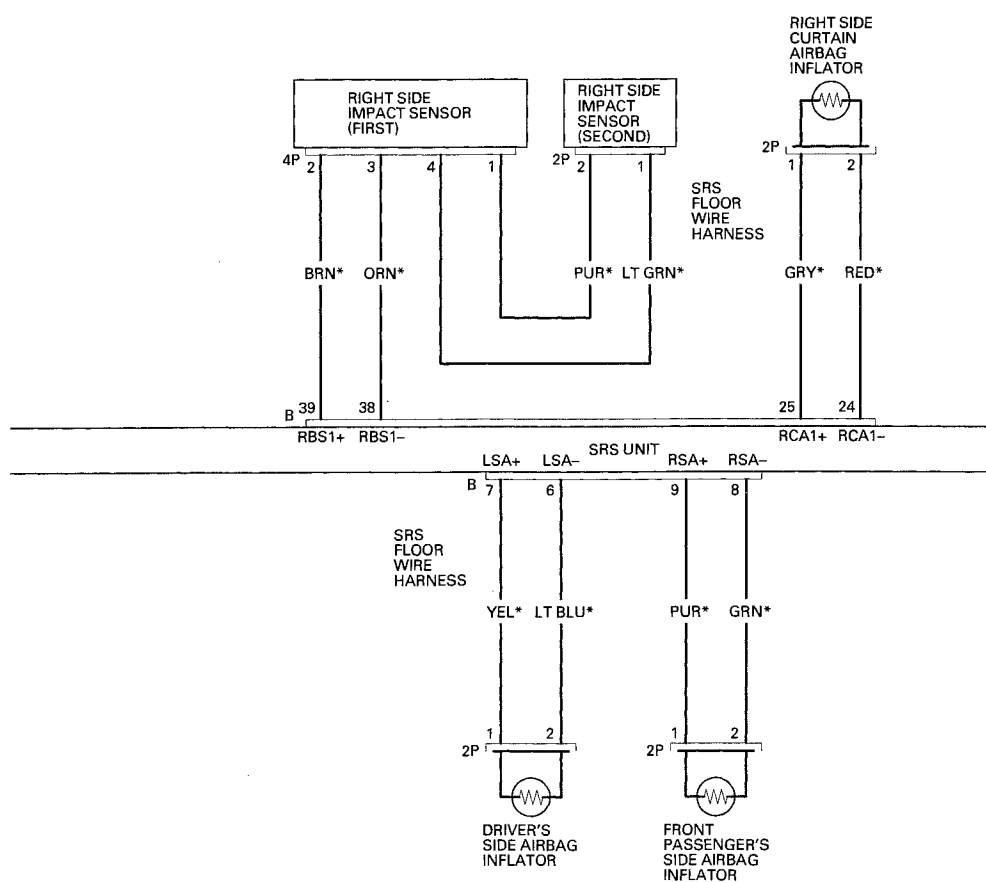
SRS (Supplemental Restraint System)

Circuit Diagram (cont'd)





*: Wire colors may be substituted for SRS circuits



SRS (Supplemental Restraint System)

DTC Troubleshooting

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

Open in the Driver's Airbag First Inflator

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

Open in the Driver's Airbag Second Inflator

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

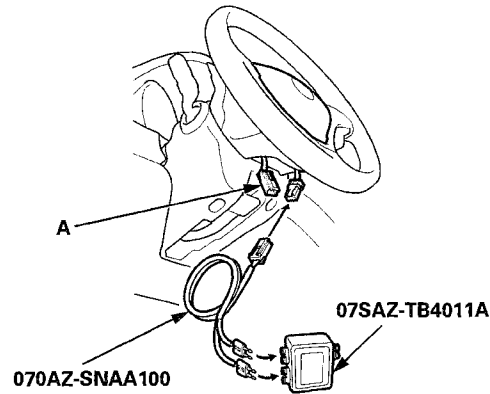
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 11-1x or 11-4x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the driver's airbag 4P connector (A) from the cable reel 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the cable reel 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

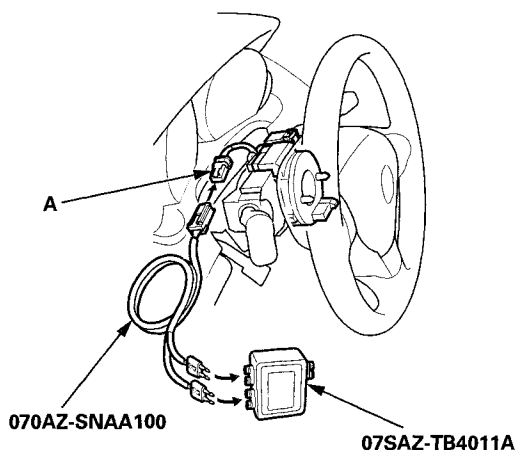
Is DTC 11-1x or 11-4x indicated?

YES—Go to step 11.

NO—Open in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-157), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Remove the column cover (see page 20-126), then disconnect the dashboard wire harness 4P connector (A) from the cable reel 4P connector.



14. Connect the SRS inflator simulator (2 Ω connectors) and the simulator lead J to the dashboard wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Clear the DTC with the HDS (see page 24-25).
17. Check for DTCs with the HDS (see page 24-24).

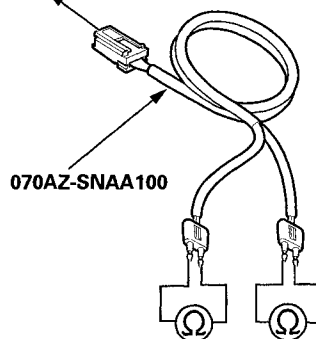
Is DTC 11-1x or 11-4x indicated?

YES—Go to step 18.

NO—Open in the cable reel; replace the cable reel (see page 24-171), then clear the DTC.■

18. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
19. Disconnect the negative cable from the battery, then wait at least 3 minutes.
20. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
21. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
22. Measure the resistance between the terminals of both SRS simulator leads. There should be less than 1.0 Ω .

**DASHBOARD WIRE HARNESS
4P CONNECTOR**



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) 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 24-174).■

NO—Open in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

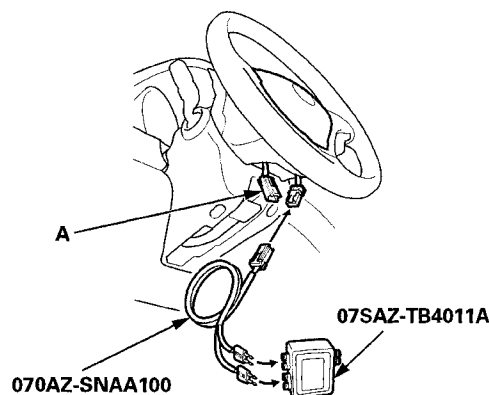
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the driver's airbag 4P connector (A) from the cable reel 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the cable reel 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

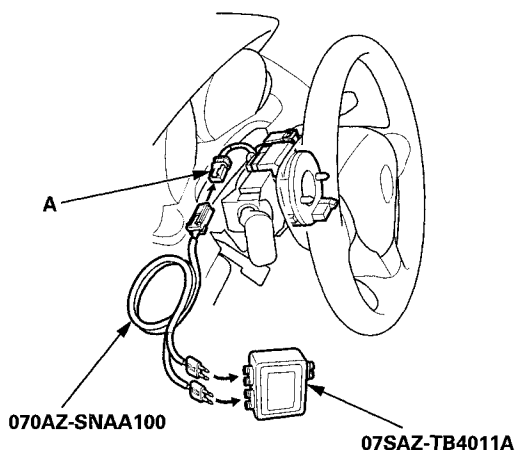
Is DTC 11-3x or 11-6x indicated?

YES—Go to step 11.

NO—Short to another wire in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-157), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Remove the column cover (see page 20-126), then disconnect dashboard wire harness 4P connector (A) from the cable reel 4P connector.



14. Connect the SRS inflator simulator (2 Ω connectors) and the simulator lead J to the dashboard wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Clear the DTC with the HDS (see page 24-25).
17. Check for DTCs with the HDS (see page 24-24).

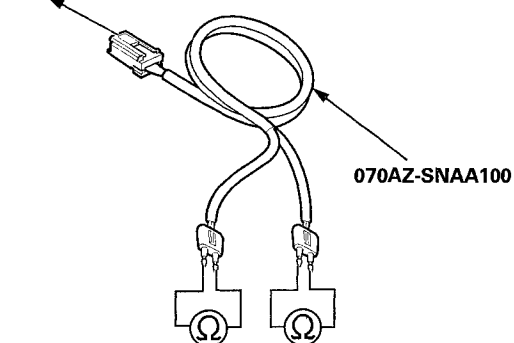
Is DTC 11-3x or 11-6x indicated?

YES—Go to step 18.

NO—Short to another wire in the cable reel; replace the cable reel (see page 24-171), then clear the DTC. ■

18. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
19. Disconnect the negative cable from the battery, then wait at least 3 minutes.
20. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
21. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
22. Connect the SRS short cancellers (070AZ-SAA0100) to SRS unit connector A (39P) terminals No. 3 and No. 4, and to terminals No. 7 and No. 8 (see page 24-20).
23. Measure the 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 (39P) 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 24-174). ■

NO—Short to another wire in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

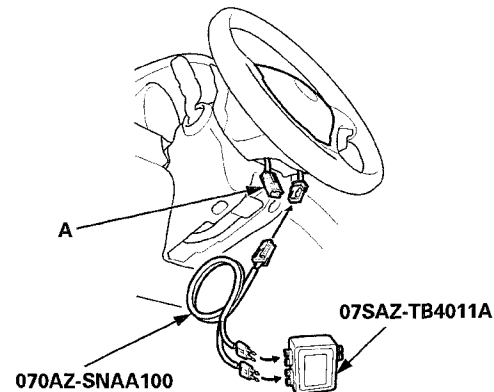
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the driver's airbag 4P connector (A) from the cable reel 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the cable reel 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

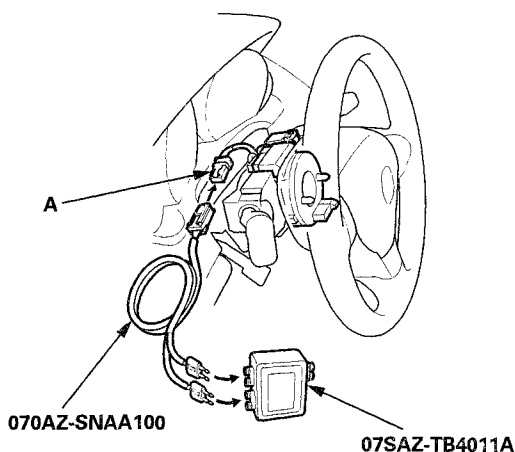
Is DTC 11-8x or 11-Ax indicated?

YES—Go to step 11.

NO—Short to power in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-157), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Remove the column cover (see page 20-126), then disconnect the dashboard wire harness 4P connector (A) from the cable reel 4P connector.



14. Connect the SRS inflator simulator (2 Ω connectors) and the simulator lead J to the dashboard wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Clear the DTC with the HDS (see page 24-25).
17. Check for DTCs with the HDS (see page 24-24).

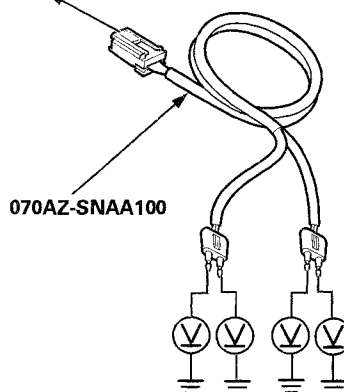
Is DTC 11-8x or 11-Ax indicated?

YES—Go to step 18.

NO—Short to power in the cable reel; replace the cable reel (see page 24-171), then clear the DTC. ■

18. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
19. Disconnect the negative cable from the battery, then wait at least 3 minutes.
20. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
21. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
22. Reconnect the negative cable to the battery.
23. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
24. Measure the voltage between each terminal of the SRS simulator lead and body ground. There should be less than 0.2 V.

**DASHBOARD WIRE HARNESS
4P CONNECTOR**



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) 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 24-174). ■

NO—Short to power in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

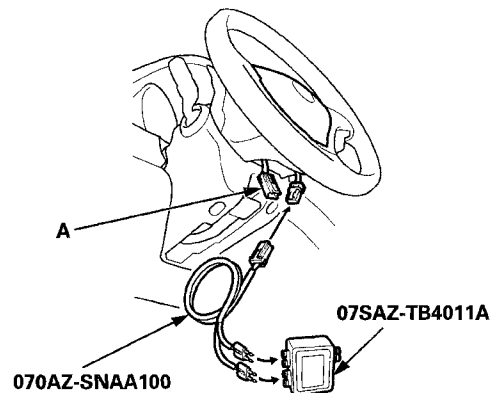
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the driver's airbag 4P connector (A) from the cable reel 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the cable reel 4P connector.
8. Reconnect the negative cable from the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

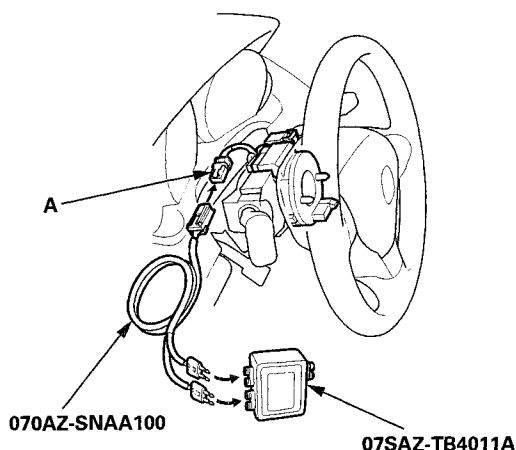
Is DTC 11-9x or 11-Bx indicated?

YES—Go to step 11.

NO—Short to ground in the driver's airbag first or second inflator; replace the driver's airbag (see page 24-157), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Remove the column cover (see page 20-126), then disconnect the dashboard wire harness 4P connector (A) from the cable reel 4P connector.



14. Connect the SRS inflator simulator (2 Ω connectors) and the simulator lead J to the dashboard wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Clear the DTC with the HDS (see page 24-25).
17. Check for DTCs with the HDS (see page 24-24).

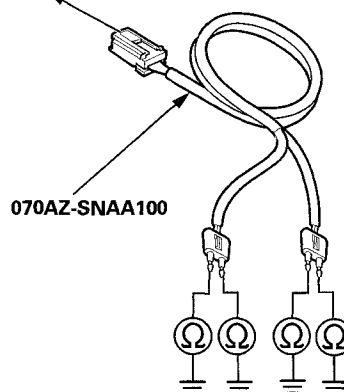
Is DTC 11-9x or 11-Bx indicated?

YES—Go to step 18.

NO—Short to ground in the cable reel; replace the cable reel (see page 24-171), then clear the DTC. ■

18. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
19. Disconnect the negative cable from the battery, then wait at least 3 minutes.
20. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
21. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
22. Measure the 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 (39P) 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 24-174). ■

NO—Short to ground in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

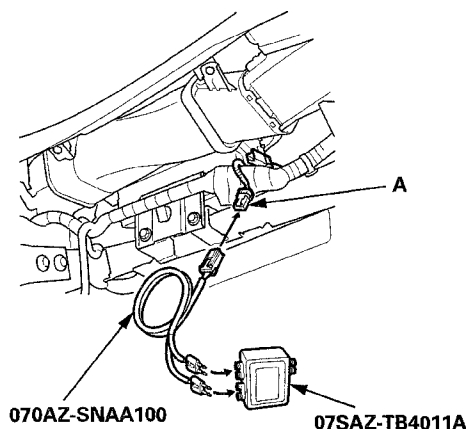
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 12-1x or 12-4x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from front passenger's airbag 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the dashboard wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

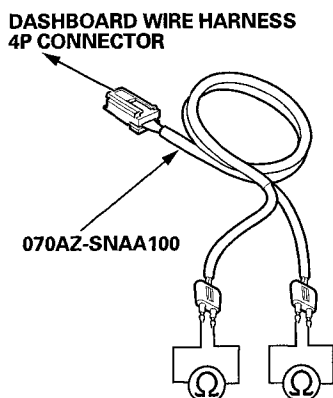
Is DTC 12-1x or 12-4x indicated?

YES—Go to step 11.

NO—Open in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-158), then clear the DTC.■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
15. Measure the resistance between the terminals of both SRS simulator leads. There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P). Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 4.

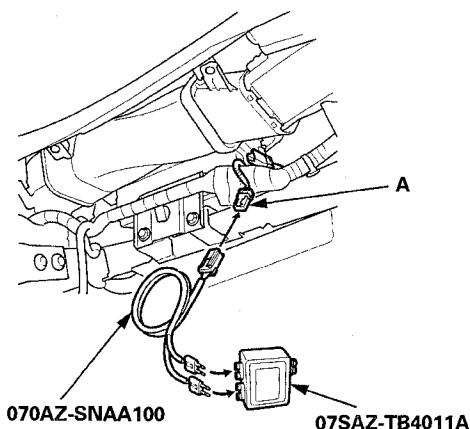
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the dashboard wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

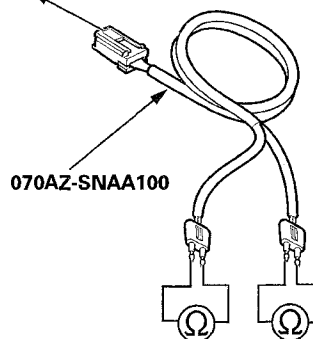
Is DTC 12-3x or 12-6x indicated?

YES—Go to step 11.

NO—Short to another wire in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-158), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
15. Connect the SRS short cancellers (070AZ-SAA0100) to SRS unit connector A (39P) terminals No. 5 and No. 6, and to terminals No. 9 and No. 10 (see page 24-20).
16. Measure the 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 (39P) 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 24-174). ■

NO—Short to another wire in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■



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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

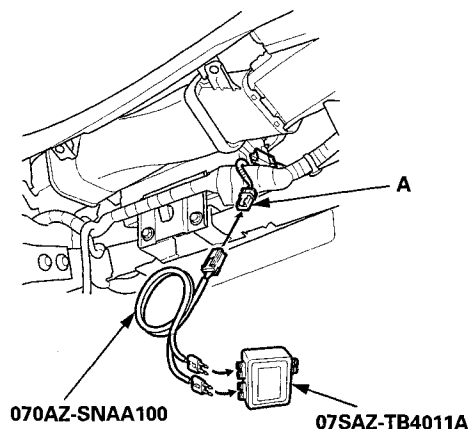
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the dashboard wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

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

YES—Go to step 11.

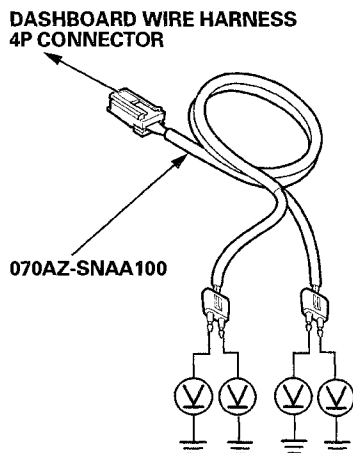
NO—Short to power in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-158), then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between each terminal of the SRS simulator lead and body ground. There should be less than 0.2 V.



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) 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 24-174). ■

NO—Short to power in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

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

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead J 070AZ-SNAA100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

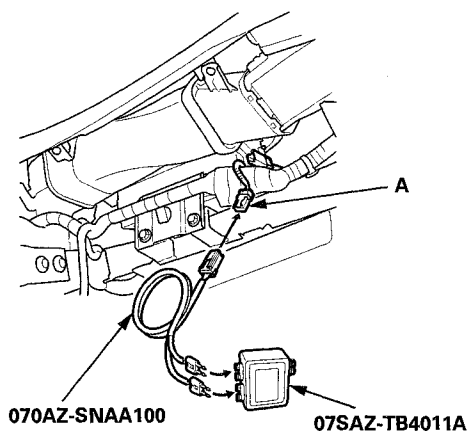
Is DTC 12-9x or 12-Bx indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead J to the dashboard wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

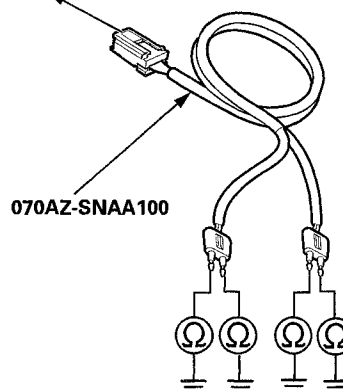
Is DTC 12-9x or 12-Bx indicated?

YES—Go to step 11.

NO—Short to ground in the front passenger's airbag first or second inflator; replace the front passenger's airbag (see page 24-158), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the dashboard wire harness 4P connector.
15. Measure the 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 (39P) 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 24-174). ■

NO—Short to ground in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

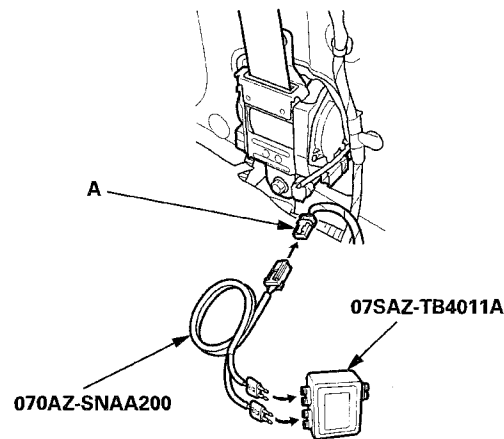
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 21-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the driver's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 21-1x indicated?

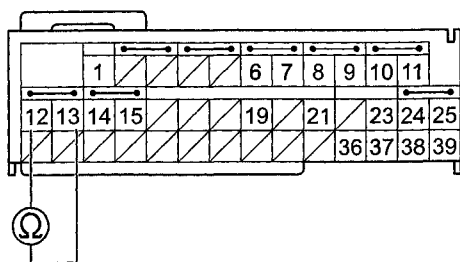
YES—Go to step 11.

NO—Open in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 12 and No. 13 (see page 24-20).
15. Measure the resistance between SRS unit connector B (39P) terminals No. 12 and No. 13. There should be 2.0–3.0 Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200
- SRS Short Canceller 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 21-3x indicated?

YES—Go to step 4.

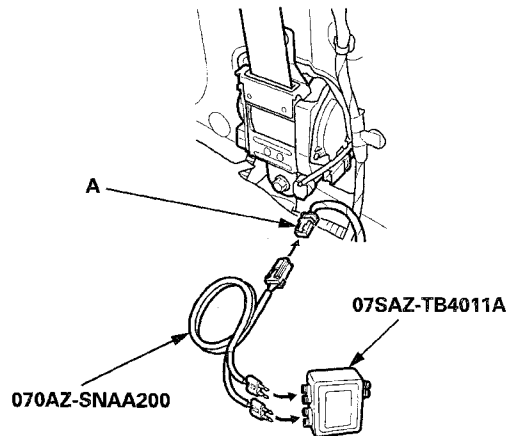
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the driver's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

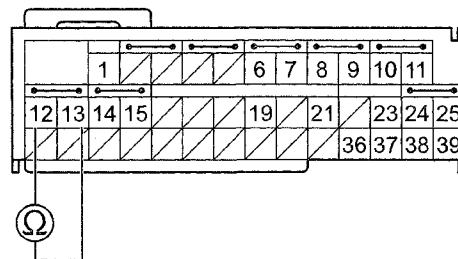
Is DTC 21-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the driver's seat belt tensioner; replace the driver's seat belt (see page 24-4), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 12 and No. 13 (see page 24-20).
16. Measure the resistance between SRS unit connector B (39P) terminals No. 12 and No. 13. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

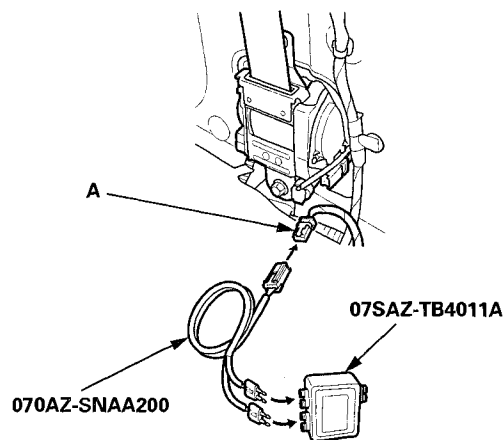
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 21-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the driver's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 21-8x indicated?

YES—Go to step 11.

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

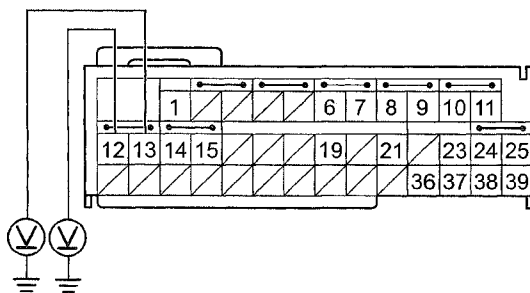
(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between body ground and SRS unit connector B (39P) terminals No. 12 and No. 13 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

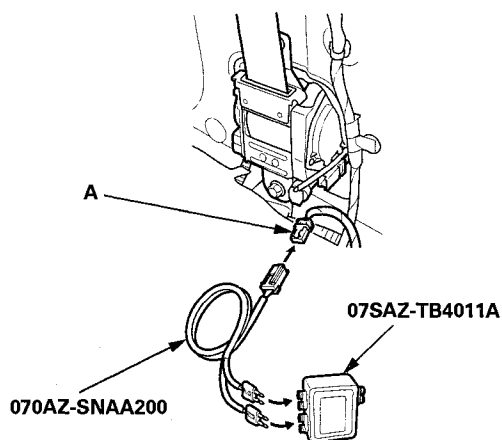
Is DTC 21-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the driver's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

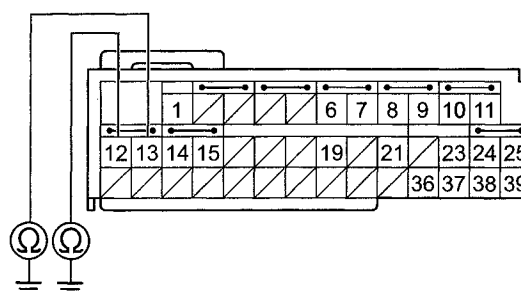
Is DTC 21-9x indicated?

YES—Go to step 11.

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

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Measure the resistance between body ground and SRS unit connector B (39P) terminals No. 12 and No. 13 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

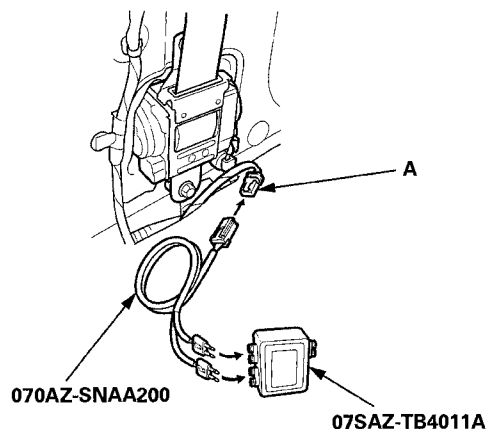
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 22-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the front passenger's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 22-1x indicated?

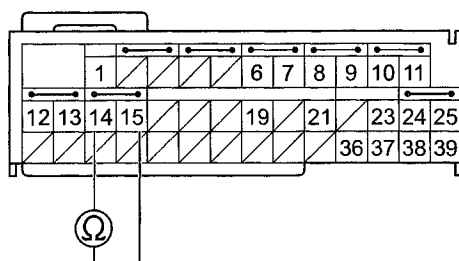
YES—Go to step 11.

NO—Open in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4), then clear the DTC.■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 14 and No. 15 (see page 24-20).
15. Measure the resistance between SRS unit connector B (39P) terminals No. 14 and No. 15. There should be 2.0–3.0 Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200
- SRS Short Canceller 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 22-3x indicated?

YES—Go to step 4.

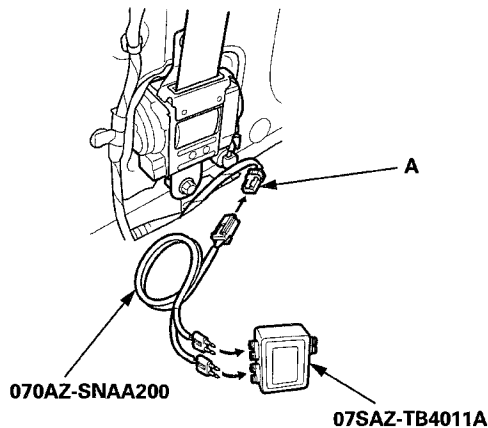
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the front passenger's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

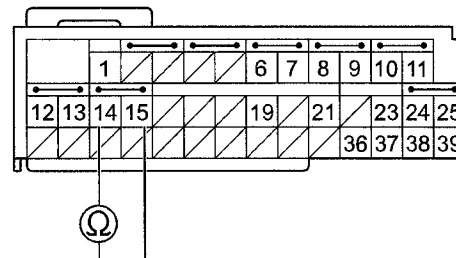
Is DTC 22-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the front passenger's seat belt tensioner; replace the front passenger's seat belt (see page 24-4), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 14 and No. 15 (see page 24-20).
16. Measure the resistance between SRS unit connector B (39P) terminals No. 14 and No. 15. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

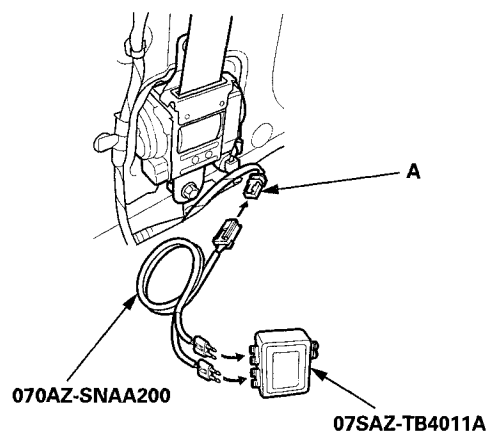
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 22-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the front passenger's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 22-8x indicated?

YES—Go to step 11.

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

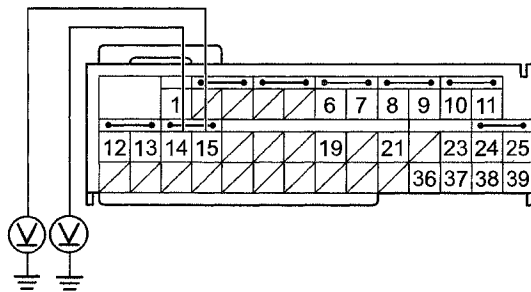
(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between body ground and SRS unit connector B (39P) terminals No. 14 and No. 15 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead K 070AZ-SNAA200

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

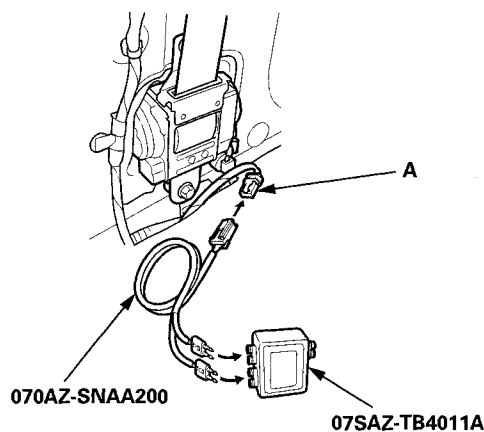
Is DTC 22-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side B-pillar lower trim (see page 20-86), then disconnect the SRS floor wire harness 4P connector (A) from the front passenger's seat belt tensioner 4P connector.



7. Connect the SRS inflator simulator (2 Ω connectors) and simulator lead K to the SRS floor wire harness 4P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

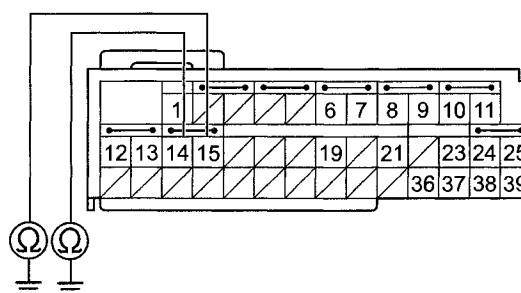
Is DTC 22-9x indicated?

YES—Go to step 11.

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

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the simulator lead from the SRS floor wire harness 4P connector.
15. Measure the resistance between body ground and SRS unit connector B (39P) terminals No. 14 and No. 15 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174).■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

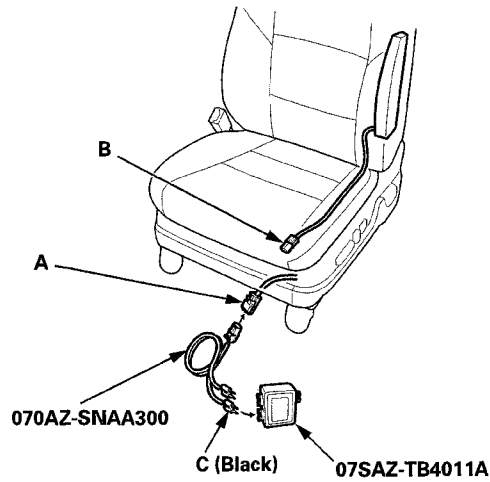
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
 - Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.
1. Clear the DTC with the HDS (see page 24-25).
 2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
 3. Check for DTCs with the HDS (see page 24-24).

Is DTC 31-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the driver's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

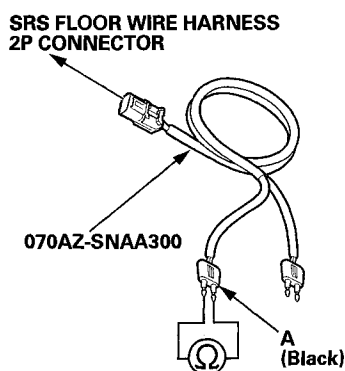
Is DTC 31-1x indicated?

YES—Go to step 11.

NO—Open in the driver's side airbag inflator; replace the driver's side airbag (see page 24-161), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 31-3x indicated?

YES—Go to step 4.

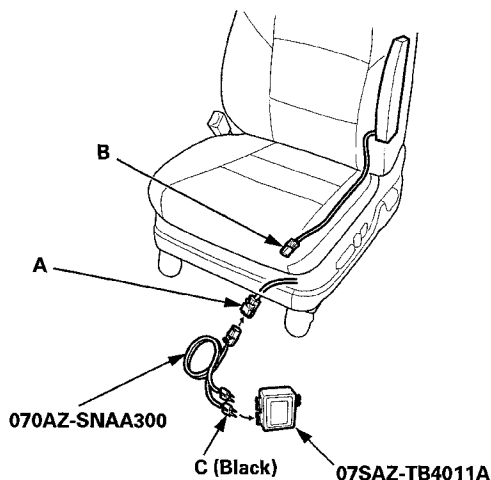
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the driver's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

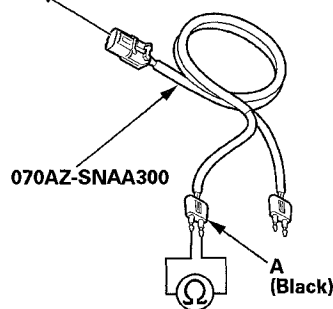
Is DTC 31-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the driver's side airbag inflator; replace the driver's side airbag (see page 24-161), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 6 and No. 7 (see page 24-20).
16. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

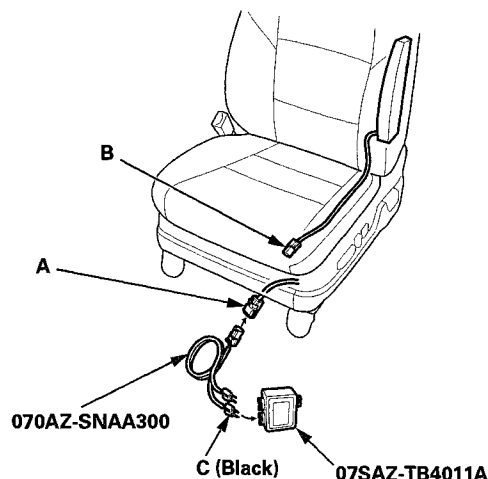
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 31-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the driver's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 31-8x indicated?

YES—Go to step 11.

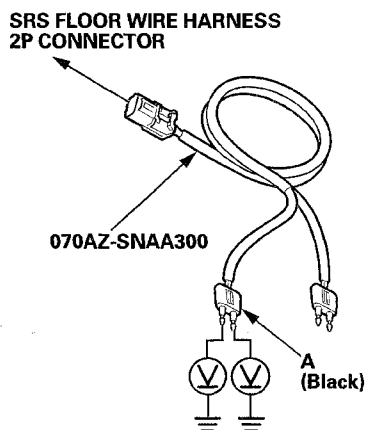
NO—Short to power in the driver's side airbag inflator; replace the driver's side airbag (see page 24-161), then clear the DTC.■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be less than 0.2 V.



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

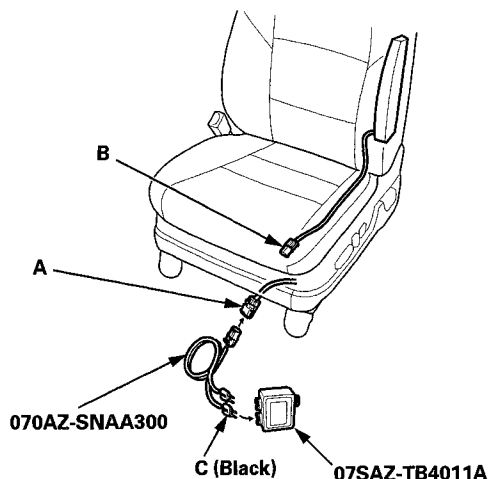
Is DTC 31-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the driver's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

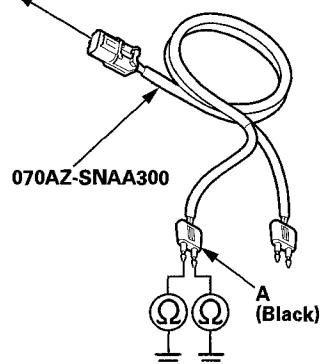
Is DTC 31-9x indicated?

YES—Go to step 11.

NO—Short to ground in the driver's side airbag inflator; replace the driver's side airbag (see page 24-161), then clear the DTC.■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the 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 FLOOR WIRE HARNESS 2P CONNECTOR



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174).■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

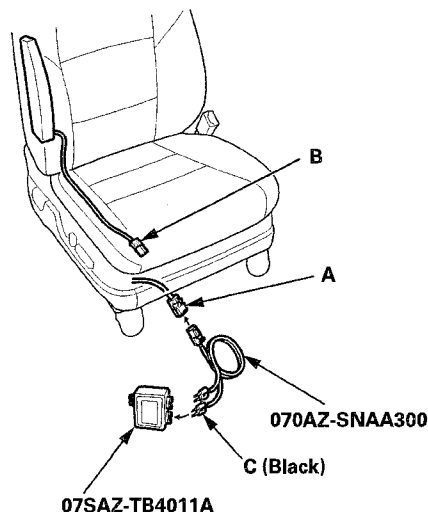
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 32-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the front passenger's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

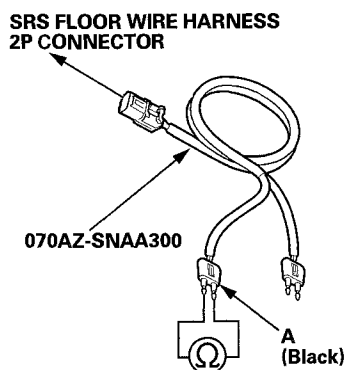
Is DTC 32-1x indicated?

YES—Go to step 11.

NO—Open in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-161), then clear the DTC.■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 32-3x indicated?

YES—Go to step 4.

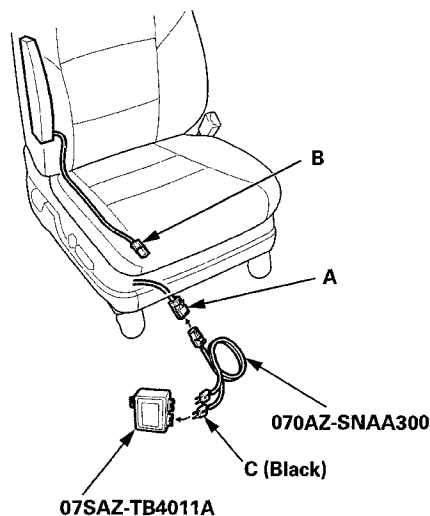
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the front passenger's side airbag 2P connector (B).



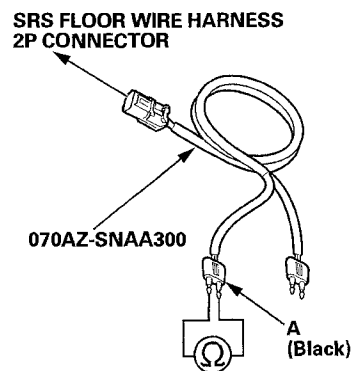
7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 32-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-161), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 8 and No. 9 (see page 24-20).
16. Measure the 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 (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

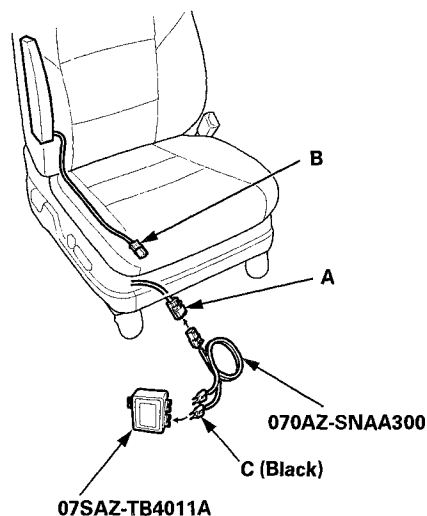
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 32-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the front passenger's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 32-8x indicated?

YES—Go to step 11.

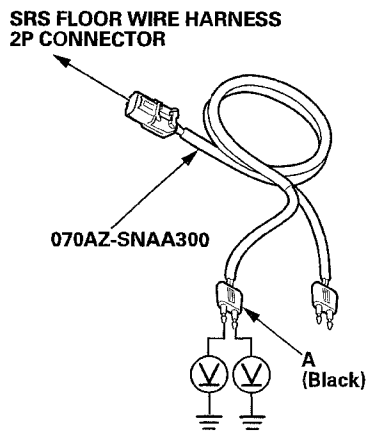
NO—Short to power in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-161), then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be less than 0.2 V.



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

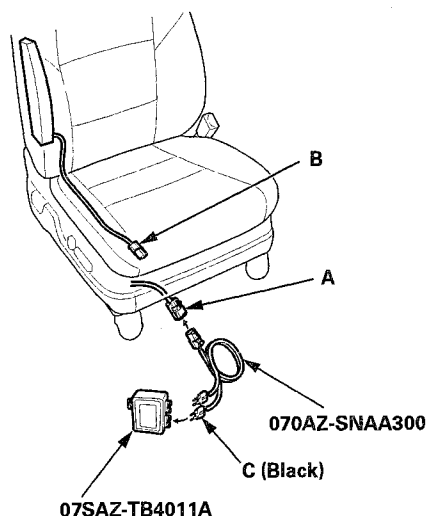
Is DTC 32-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector (A) from the front passenger's side airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

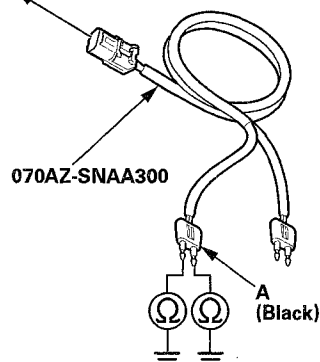
Is DTC 32-9x indicated?

YES—Go to step 11.

NO—Short to ground in the front passenger's side airbag inflator; replace the front passenger's side airbag (see page 24-161), then clear the DTC.■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the 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 FLOOR WIRE HARNESS
2P CONNECTOR**



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174).■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

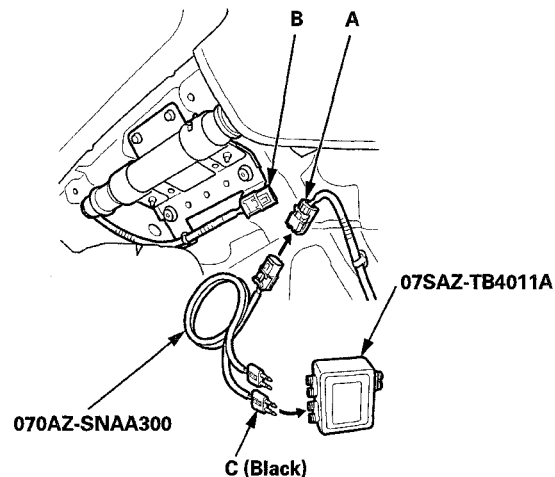
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
 - Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.
1. Clear the DTC with the HDS (see page 24-25).
 2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
 3. Check for DTCs with the HDS (see page 24-24).

Is DTC 33-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the left side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

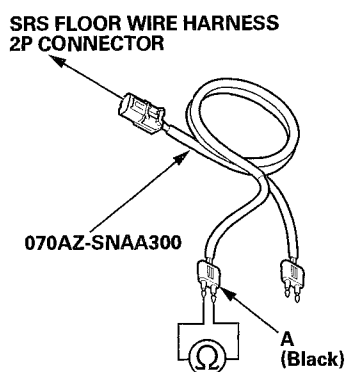
Is DTC 33-1x indicated?

YES—Go to step 11.

NO—Open in the left side curtain airbag; replace the left side curtain airbag (see page 24-163), then clear the DTC. ■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at the SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 33-3x indicated?

YES—Go to step 4.

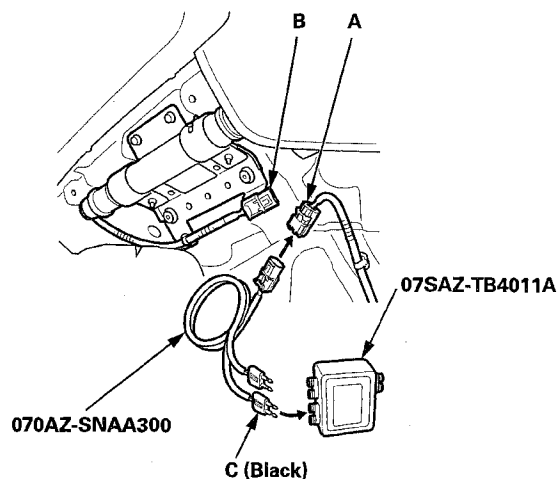
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the left side curtain airbag 2P connector (B).



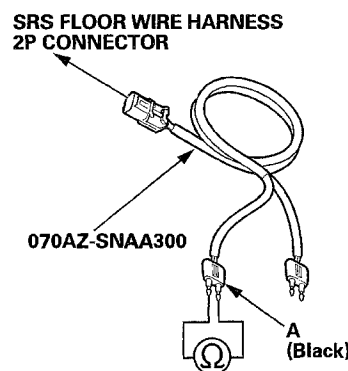
7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 33-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-163), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 10 and No. 11 (see page 24-20).
16. Measure the 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 (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

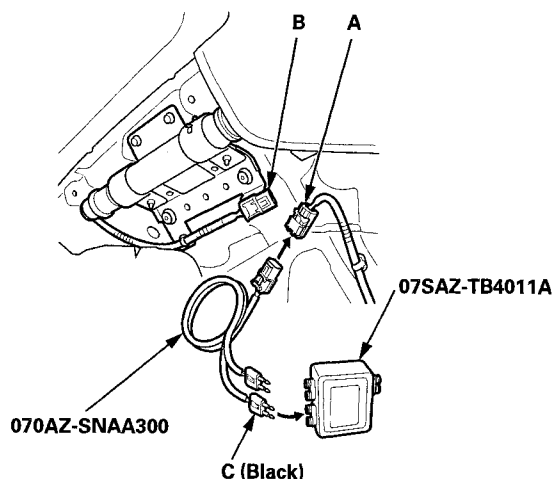
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 33-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the left side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 33-8x indicated?

YES—Go to step 11.

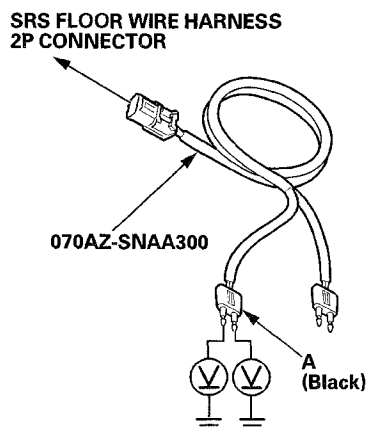
NO—Short to power in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-163), then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be less than 0.2 V.



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

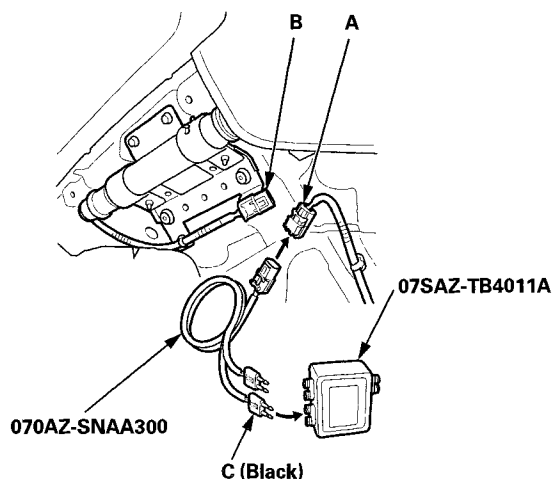
Is DTC 33-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the left side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the left side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

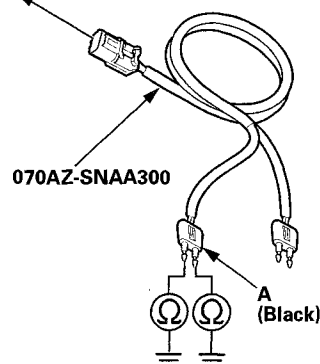
Is DTC 33-9x indicated?

YES—Go to step 11.

NO—Short to ground in the left side curtain airbag inflator; replace the left side curtain airbag (see page 24-163), then clear the DTC.■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the 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 FLOOR WIRE HARNESS 2P CONNECTOR



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174).■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

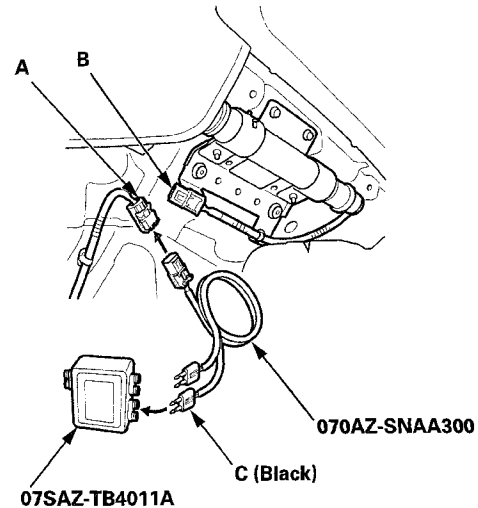
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
 - Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.
1. Clear the DTC with the HDS (see page 24-25).
 2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
 3. Check for DTCs with the HDS (see page 24-24).

Is DTC 34-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the right side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

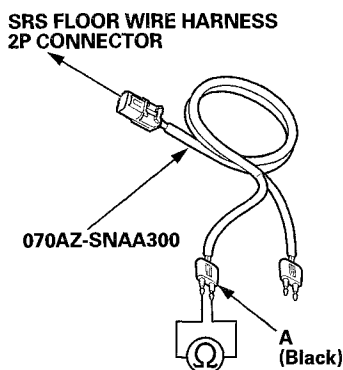
Is DTC 34-1x indicated?

YES—Go to step 11.

NO—Open in the right side curtain airbag inflator, replace the right side curtain airbag (see page 24-163), then clear the DTC.■



11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300
- SRS Short Cancellor 070AZ-SAA0100

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 34-3x indicated?

YES—Go to step 4.

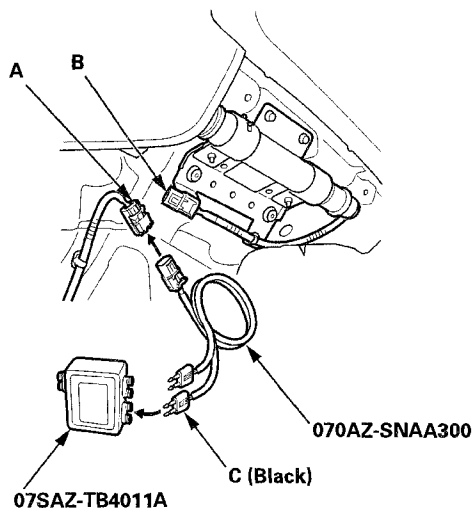
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

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SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the right side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

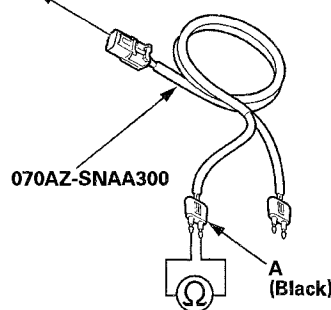
Is DTC 34-3x indicated?

YES—Go to step 11.

NO—Short to another wire in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-163), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Connect an SRS short canceller (070AZ-SAA0100) to SRS unit connector B (39P) terminals No. 24 and No. 25 (see page 24-20).
16. Measure the resistance between the terminals of the black SRS simulator lead (A). There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Is the resistance as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

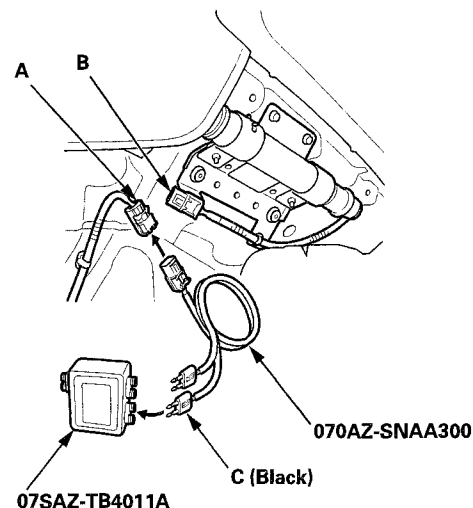
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 34-8x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the right side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 34-8x indicated?

YES—Go to step 11.

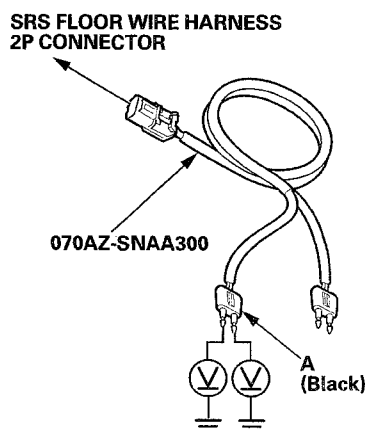
NO—Short to power in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-163), then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Reconnect the negative cable to the battery.
16. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
17. Measure the voltage between each terminal of the black SRS simulator lead (A) and body ground. There should be less than 0.2 V.



Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

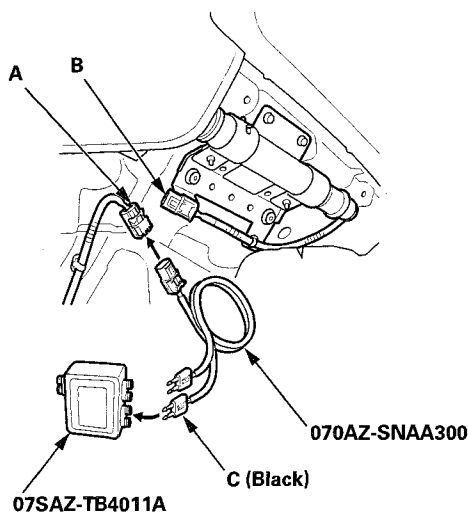
Is DTC 34-9x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Remove the right side C-pillar trim (see page 20-89), then disconnect the SRS floor wire harness 2P connector (A) from the right side curtain airbag 2P connector (B).



7. Connect the SRS inflator simulator (2 Ω connector) and the black lead (C) of simulator lead L to the SRS floor wire harness 2P connector.
8. Reconnect the negative cable to the battery.
9. Clear the DTC with the HDS (see page 24-25).
10. Check for DTCs with the HDS (see page 24-24).

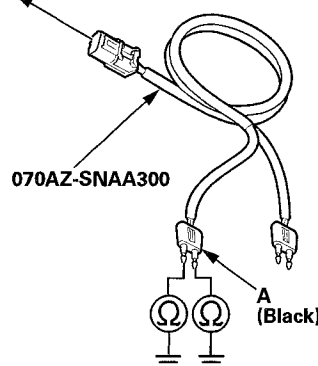
Is DTC 34-9x indicated?

YES—Go to step 11.

NO—Short to ground in the right side curtain airbag inflator; replace the right side curtain airbag (see page 24-163), then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Disconnect the negative cable from the battery, then wait at least 3 minutes.
13. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
14. Disconnect the SRS inflator simulator from the SRS simulator lead. Do not disconnect the simulator lead from the SRS floor wire harness 2P connector.
15. Measure the 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 FLOOR WIRE HARNESS 2P CONNECTOR



Is the resistance as specified?

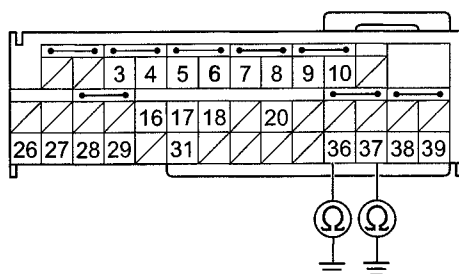
YES—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection; if the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



10. Measure the resistance between body ground and SRS unit connector A (39P) terminals No. 36 and No. 37 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

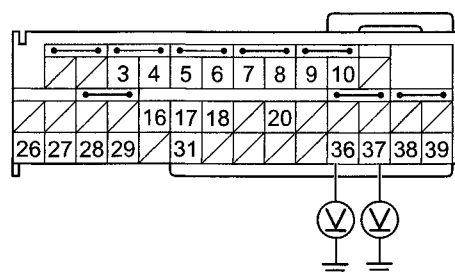
Is the resistance as specified?

YES—Go to step 11.

NO—Short to ground in the left engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC.■

11. Reconnect the negative cable to the battery.
12. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
13. Measure the voltage between body ground and SRS unit connector A (39P) terminals No. 36 and No. 37 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Go to step 14.

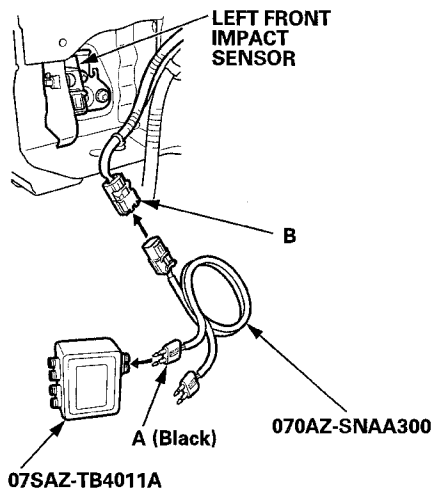
NO—Short to power in the left engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC.■

(cont'd)

SRS (Supplemental Restraint System)

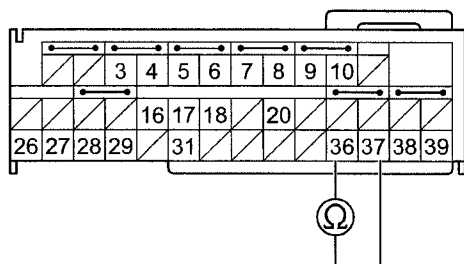
DTC Troubleshooting (cont'd)

14. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
15. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the left engine compartment wire harness 2P connector (B).



16. Measure the resistance between SRS unit connector A (39P) terminals No. 36 and No. 37. There should be less than 1.0 Ω .

SRS UNIT CONNECTOR A (39P)



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 24-181), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the left engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 42-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Check the connections between SRS unit connector A (39P) and the SRS unit, between the right engine compartment wire harness 2P connector and the right front impact sensor (see page 24-181), and at connector C208 (see page 22-42).

Are the connections OK?

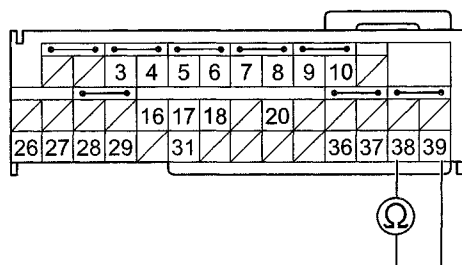
YES—Go to step 7.

NO—Repair the poor connections, then clear the DTC. If DTC 42-1x is still present, go to step 7.



7. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
8. Disconnect the right engine compartment wire harness 2P connector from the right front impact sensor (see page 24-181).
9. Measure the resistance between SRS unit connector A (39P) terminals No. 38 and No. 39. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

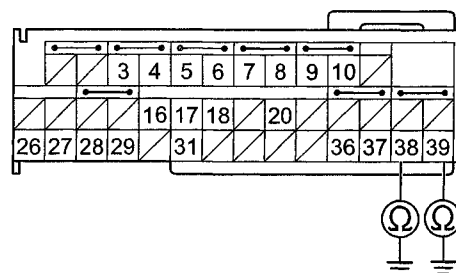
Is the resistance as specified?

YES—Go to step 10.

NO—Short to another wire in the right engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC. ■

10. Measure the resistance between body ground and SRS unit connector A (39P) terminal No. 38 and No. 39 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 11.

NO—Short to ground in the right engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC. ■

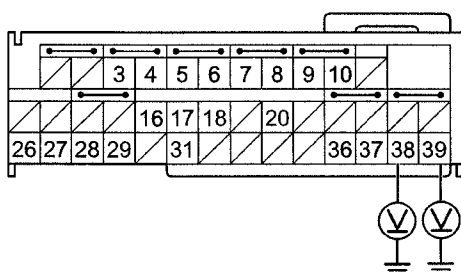
(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

11. Reconnect the negative cable to the battery.
12. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
13. Measure the voltage between body ground and SRS unit connector A (39P) terminal No. 38 and No. 39 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR A (39P)



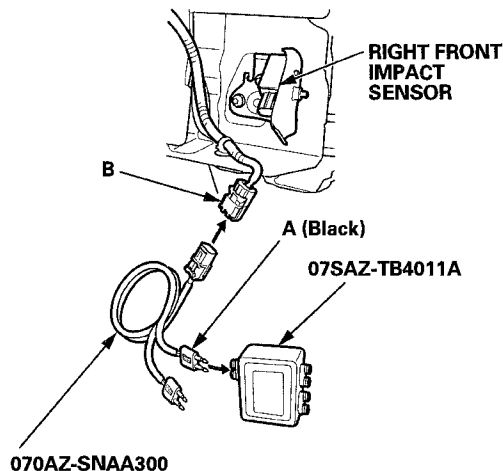
Wire side of female terminals

Is the voltage as specified?

YES—Go to step 14.

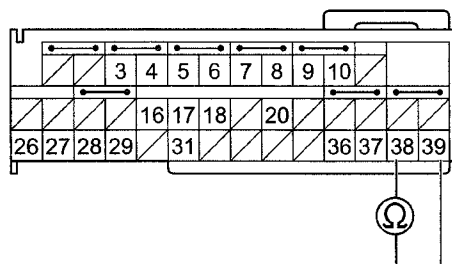
NO—Short to power in the right engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC. ■

14. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
15. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the right engine compartment wire harness 2P connector (B).



16. Measure the resistance between SRS unit connector A (39P) terminals No. 38 and No. 39. There should be less than 1.0 Ω .

SRS UNIT CONNECTOR A (39P)



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 24-181), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the right engine compartment wire harness or the dashboard wire harness; replace the faulty harness, then clear the DTC. ■



DTC 41-2x, 41-3x, 41-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Left Front Impact Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 41-2x, 41-3x, or 41-Bx indicated?

YES—Faulty left front impact sensor or SRS unit; replace the left front impact sensor (see page 24-181), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

DTC 42-2x, 42-3x, 42-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Right Front Impact Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 42-2x, 42-3x, or 42-Bx indicated?

YES—Faulty right front impact sensor or SRS unit; replace the right front impact sensor (see page 24-181), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 43-1x indicated?

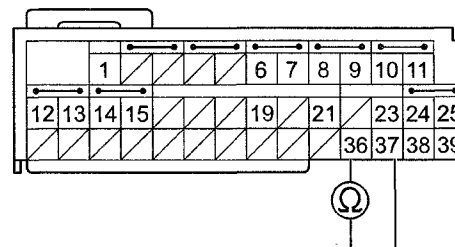
YES—

- If DTC 43-11 is indicated, go to step 4.
- If DTC 43-1x except 43-11 is indicated alone or DTC 43-11 and 45-11 are indicated, faulty left side impact sensor (first); replace the left side impact sensor (first) (see page 24-176).■
- If DTC 43-12 and B2-11 are indicated, troubleshoot DTC B2-1x (see page 24-148).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 4P connector from the left side impact sensor (first) (see page 24-176).
7. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
8. Measure the resistance between SRS unit connector B (39P) terminals No. 36 and No. 37. There should be an open circuit or at least 1 MΩ.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

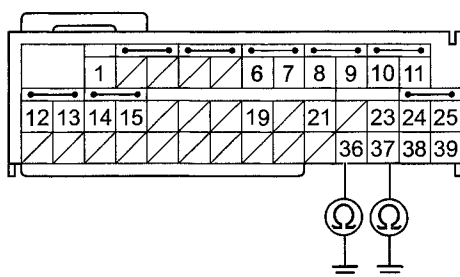
YES—Go to step 9.

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■



9. Measure the resistance between body ground and SRS unit connector B (39P) terminals No. 36 and No. 37 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

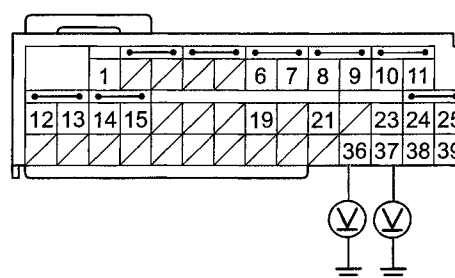
Is the resistance as specified?

YES—Go to step 10.

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

10. Reconnect the negative cable to the battery.
11. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
12. Measure the voltage between body ground and SRS unit connector B (39P) terminals No. 36 and No. 37 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Go to step 13.

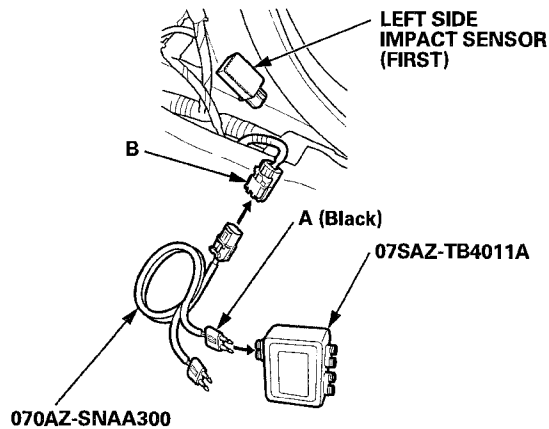
NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

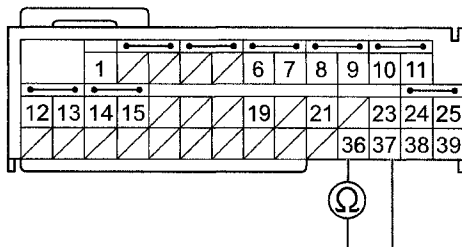
DTC Troubleshooting (cont'd)

13. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS floor wire harness 4P connector (B).



15. Measure the resistance between SRS unit connector B (39P) terminals No. 36 and No. 37. There should be less than 1.0 Ω .

SRS UNIT CONNECTOR B (39P)



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 24-176), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 44-1x indicated?

YES—

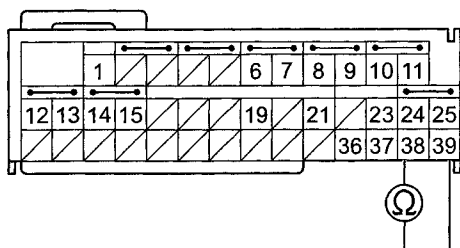
- If DTC 44-11 is indicated, go to step 4.
- If DTC 44-1x except 44-11 is indicated alone, or DTC 44-11 and 46-11 is indicated, faulty right side impact sensor (first); replace the right side impact sensor (first) (see page 24-176), then clear the DTC. ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 4P connector from the right side impact sensor (first) (see page 24-176).
7. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
8. Measure the resistance between SRS unit connector B (39P) terminals No. 38 and No. 39. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

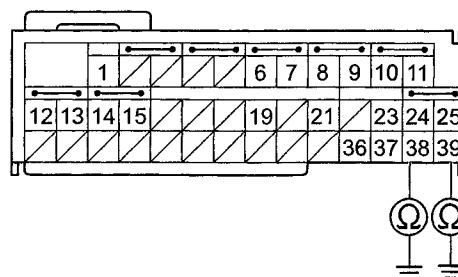
Is the resistance as specified?

YES—Go to step 9.

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

9. Measure the resistance between body ground and SRS unit connector B (39P) terminals No. 38 and No. 39 individually. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 10.

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■

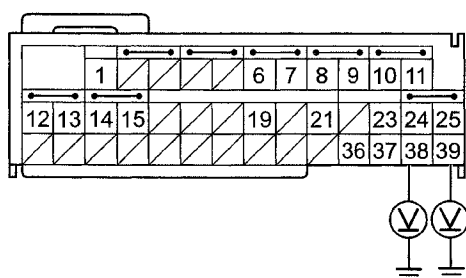
(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

10. Reconnect the negative cable to the battery.
11. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
12. Measure the voltage between body ground and SRS unit connector B (39P) terminals No. 38 and No. 39 individually. There should be less than 0.2 V.

SRS UNIT CONNECTOR B (39P)



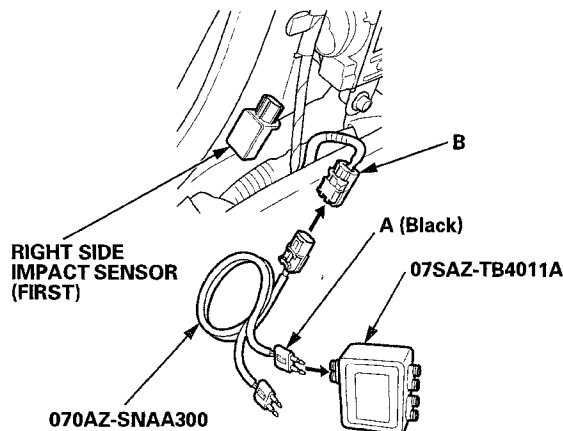
Wire side of female terminals

Is the voltage as specified?

YES—Go to step 13.

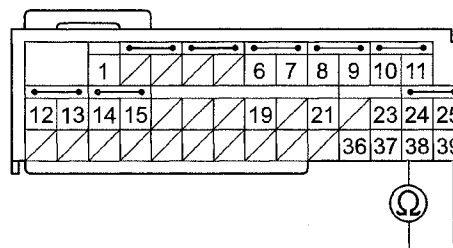
NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

13. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS floor wire harness 4P connector (B).



15. Measure the resistance between SRS unit connector B (39P) terminals No. 38 and No. 39. There should be less than 1.0 Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty right side impact sensor (first) or SRS unit; replace the right side impact sensor (first) (see page 24-176), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



DTC 43-2x, 43-8x, 43-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Left Side Impact Sensor (first)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 43-2x, 43-8x, or 43-Bx indicated?

YES—Faulty left side impact sensor (first) or SRS unit; replace the left side impact sensor (first) (see page 24-176), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

DTC 44-2x, 44-8x, 44-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Right Side Impact Sensor (first)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 44-2x, 44-8x, or 44-Bx indicated?

YES—Faulty right side impact sensor (first) or SRS unit; replace the right side impact sensor (first) (see page 24-176), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 45-1x indicated?

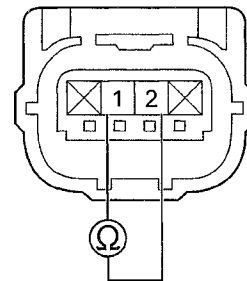
YES—

- If DTC 45-11 is indicated alone or DTC 45-11 and B2-12 is indicated, go to step 4.
- If DTC 45-1x except 45-11 is indicated alone, faulty left side impact sensor (second); replace the left side impact sensor (second) (see page 24-177), then clear the DTC. ■
- If DTC 43-11 and 45-11 are indicated, faulty left side impact sensor (first); replace the left side impact sensor (first) (see page 24-176), then clear the DTC. ■
- If DTC 45-11 and B2-11 are indicated, faulty rear safing sensor; replace the rear safing sensor (see page 24-178), then clear the DTC. ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 2P connector from the left side impact sensor (second) (see page 24-177).
7. Disconnect the SRS floor wire harness 4P connector from the rear safing sensor (see page 24-178).
8. Measure the resistance between SRS floor wire harness 2P connector terminals No. 1 and No. 2. There should be an open circuit or at least 1 MΩ.

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

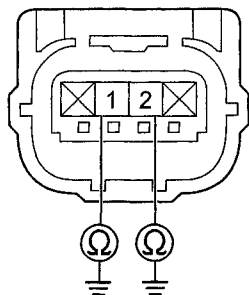
YES—Go to step 9.

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



9. Measure the resistance between body ground and SRS floor wire harness 2P connector terminals No. 1 and No. 2 individually. There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 10.

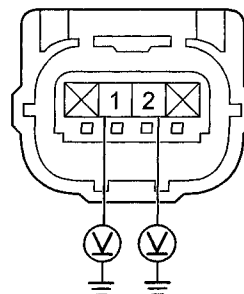
NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

10. Reconnect the negative cable to the battery.

11. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

12. Measure the voltage between body ground and SRS floor wire harness 2P connector terminals No. 1 and No. 2 individually. There should be less than 0.2 V.

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the voltage as specified?

YES—Go to step 13.

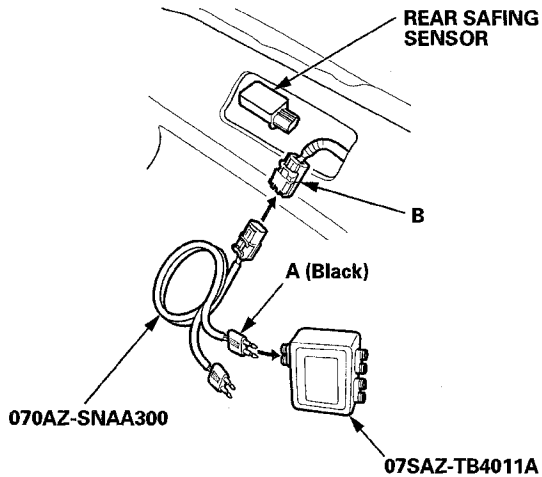
NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

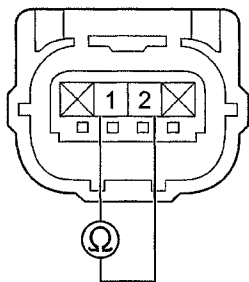
DTC Troubleshooting (cont'd)

13. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS floor wire harness 4P connector (B).



15. Measure the resistance between SRS floor wire harness 2P connector terminals No. 1 and No. 2. There should be less than 1.0 Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Faulty left side impact sensor (second) or SRS unit; replace the left side impact sensor (second) (see page 24-177), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

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

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 46-1x indicated?

YES—

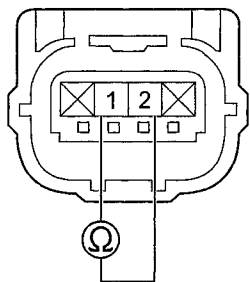
- If DTC 46-11 is indicated, go to step 4.
- If DTC 46-1x except 46-11 is indicated alone, faulty right side impact sensor (second); replace the right side impact sensor (second) (see page 24-177), then clear the DTC. ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the SRS floor wire harness 4P connector from the right side impact sensor (first) (see page 24-176).
7. Disconnect the SRS floor wire harness 2P connector from the right side impact sensor (second) (see page 24-177).
8. Measure the resistance between SRS floor wire harness 2P connector terminals No. 1 and No. 2. There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

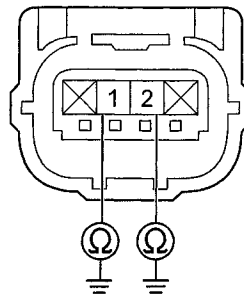
Is the resistance as specified?

YES—Go to step 9.

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

9. Measure the resistance between body ground and SRS floor wire harness 2P connector terminals No. 1 and No. 2 individually. There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 10.

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

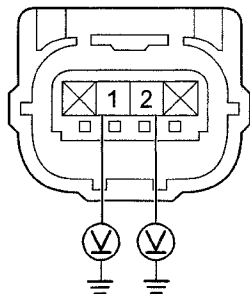
(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

10. Reconnect the negative cable to the battery.
11. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
12. Measure the voltage between body ground and SRS floor wire harness 2P connector terminal No. 1 and No. 2 individually. There should be less than 0.2 V.

SRS FLOOR WIRE HARNESS 2P CONNECTOR



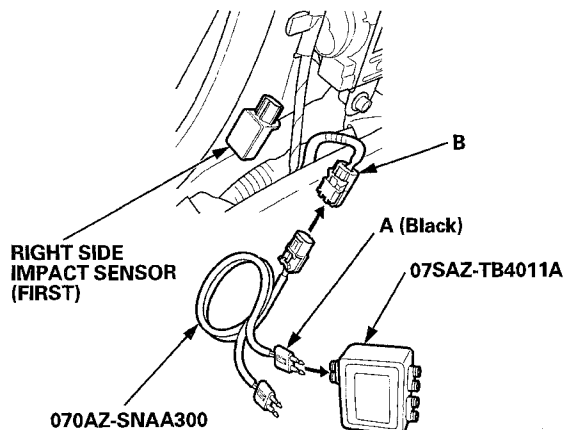
Wire side of female terminals

Is the voltage as specified?

YES—Go to step 13.

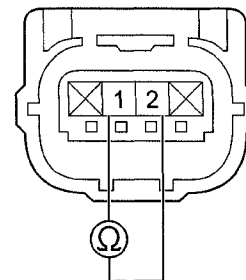
NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

13. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
14. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS floor wire harness 4P connector (B).



15. Measure the resistance between SRS floor wire harness 2P connector the terminals No. 1 and No. 2. There should be less than 1.0 Ω .

SRS FLOOR WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

YES—Faulty right side impact sensor (second) or SRS unit; replace the right side impact sensor (second) (see page 24-177), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■



DTC 45-2x, 45-8x, 45-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Left Side Impact Sensor (second)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 45-2x, 45-8x, or 45-Bx indicated?

YES—Faulty left side impact sensor (second) or SRS unit; replace the left side impact sensor (second) (see page 24-177), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

DTC 46-2x, 46-8x, 46-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Right Side Impact Sensor (second)

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 46-2x, 46-8x, or 46-Bx indicated?

YES—Faulty right side impact sensor (second) or SRS unit; replace the right side impact sensor (second) (see page 24-177), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC 51-xx, 52-xx, 53-xx, 54-xx, 55-xx, 57-xx, 58-xx ("x" can be 0 thru 9 or A thru F):
Internal Failure of the SRS Unit

NOTE:

- Before troubleshooting any of these DTCs, check the battery/system voltage and battery cable connections. If the voltage is low, repair the charging system, test and charge the battery, or replace the battery before troubleshooting the SRS. If the battery/system voltage is now OK, ask the client if the battery ever went dead or if the engine was started and run with the battery in a low state of charge. A dead battery may trigger one or more of these DTCs.
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 51-xx, 52-xx, 53-xx, 54-xx, 55-xx, 57-xx, or 58-xx indicated?

YES—Replace the SRS unit (see page 24-174).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

DTC 53-FF: SRS Unit Programming Error

NOTE:

- This DTC is indicated when a SRS unit update is not completed properly.
- Do not turn the ignition switch to ACC (I) or LOCK (0), or press the engine start/stop button to select the ACC or OFF mode while updating the SRS unit. If you turn the ignition switch to ACC (I) or LOCK (0), or press the engine start/stop button to select the ACC or OFF mode before you complete the SRS unit update procedure, the SRS unit can be damaged.
- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Do the SRS unit update procedure (see page 24-26).
2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to LOCK (0), press the engine start/stop button to select the OFF mode.
4. Turn the ignition switch to ON (II), press the engine start/stop button to select the ON mode, then wait for 10 seconds.
5. Check for DTCs with the HDS (see page 24-24).

Is DTC 53-FF indicated?

YES—Replace the original SRS unit (see page 24-174).■

NO—Update is complete.■



DTC 56-11, 56-21, 56-31: Lost Communication With the ECM/PCM (PGM-FI system)

DTC 56-12, 56-13, 56-22, 56-23, 56-32, 56-33: Undefined Data Received From the ECM/PCM (PGM-FI system)

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Check for any F-CAN and B-CAN communication DTCs with the HDS.

Are there any communication DTCs?

YES—Go to the appropriate DTC troubleshooting.

NO—Go to step 2.

2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
4. Check for DTCs with the HDS (see page 24-24).

Is DTC 56-11, 56-21, 56-31, 56-12, 56-13, 56-22, 56-23, 56-32, or 56-33 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

6. Start the engine, and see if the malfunction indicator lamp (MIL) also stays on.

Does the MIL stay on longer than 30 seconds?

YES—Go to the MIL Circuit Troubleshooting (see page 11-257). ■

NO—Go to step 7.

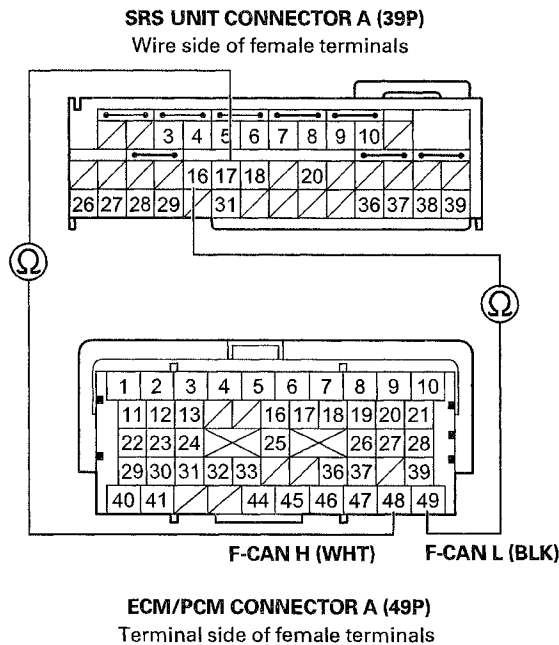
7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
8. Disconnect the negative cable from the battery, then wait at least 3 minutes.
9. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
10. Jump the SCS line with the HDS (see page 11-3).
11. Disconnect ECM/PCM connector A (49P) from the ECM/PCM.

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

12. Check for continuity between SRS unit connector A (39P) terminal No. 16 and ECM/PCM connector A (49P) terminal No. 49, and between SRS unit connector A (39P) terminal No. 17 and ECM/PCM connector A (49P) terminal No. 48.



Is there continuity?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) 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 24-174). ■

NO—Open in the harness between the SRS unit connector A (39P) terminal No. 16 and ECM/PCM connector A (49P) terminal No. 49, or between the SRS unit connector A (39P) terminal No. 17 and ECM/PCM connector A (49P) terminal No. 48 (left engine compartment wire harness or dashboard wire harness); replace the faulty harness, then clear the DTC. ■

DTC 56-25: Lost Communication With the Gauge Control Module

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Check for any F-CAN and B-CAN communication DTCs with the HDS.

Are there any communication DTCs?

YES—Go to the appropriate DTC troubleshooting.

NO—Go to step 2.

2. Release the parking brake, turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and see if the brake system light comes on for 2 seconds and then goes off.

Does the brake system light come on and then go off after 2 second?

YES—Go to step 3.

NO—Faulty gauge control module. Do the gauge control module self-diagnostic function (see page 22-342). If the gauge control module fails the self-diagnostic function, replace the gauge control module (see page 22-367), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

3. Clear the DTC with the HDS (see page 24-25).

4. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

5. Check for DTCs with the HDS (see page 24-24).

Is DTC 56-25 indicated?

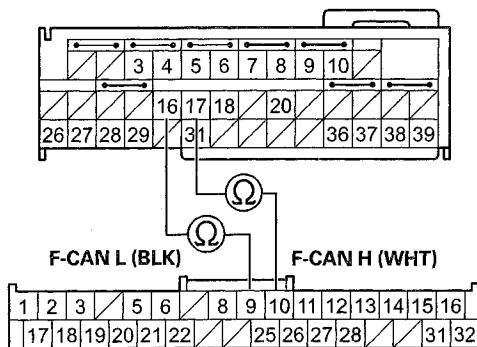
YES—Go to step 6.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■



6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
7. Disconnect the negative cable from the battery, then wait at least 3 minutes.
8. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
9. Disconnect the gauge control module 32P connector from the gauge control module (see page 22-367).
10. Check for continuity between SRS unit connector A (39P) terminal No. 16 and gauge control module 32P connector terminal No. 9, and between SRS unit connector A (39P) terminal No. 17 and gauge control module 32P connector terminal No. 10.

SRS UNIT CONNECTOR A (39P)
Wire side of female terminals



GAUGE CONTROL MODULE 32P CONNECTOR

Wire side of female terminals

Is there continuity?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) 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 24-174). ■

NO—Open in the harness between the SRS unit connector A (39P) terminal No. 16 and gauge control module 32P connector terminal No. 9, or between the SRS unit connector A (39P) terminal No. 17 and terminal No. 10; replace the faulty harness. ■

DTC 56-26, 56-27: Undefined Data Received From the Gauge Control Module

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Check for any F-CAN and B-CAN communication DTCs with the HDS.

Are there any communication DTCs?

YES—Go the appropriate DTC troubleshooting.

NO—Go to step 2.

2. Clear the DTC with the HDS (see page 24-25).

3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

4. Check for DTCs with the HDS (see page 24-24).

Is DTC 56-26 or 56-27 indicated?

YES—Faulty gauge control module. Do the gauge control module self-diagnostic function (see page 22-342). If the gauge control module fails the self-diagnostic function, replace the gauge control module (see page 22-367), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC 61-1x ("x" can be 0 thru 9 or A thru F): Open in the Driver's Seat Belt Buckle Switch

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then buckle and unbuckle the driver's seat belt several times.
4. Check for DTCs with the HDS (see page 24-24).

Is DTC 61-1x indicated?

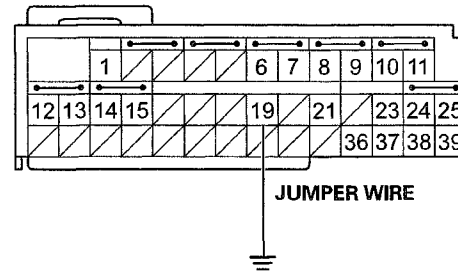
YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

6. Install a jumper wire between SRS unit connector B (39P) terminal No. 19 and body ground.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
8. Check for DTCs with the HDS (see page 24-24).

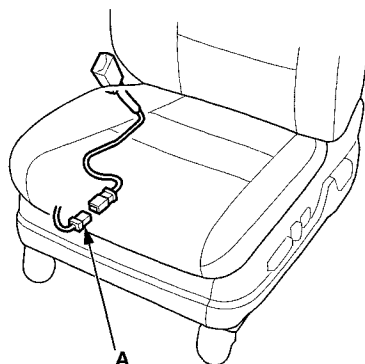
Is DTC 61-2x indicated?

YES—Go to step 9.

NO—Faulty SRS unit or poor connection at SRS unit connector B (39P) 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 24-174).■

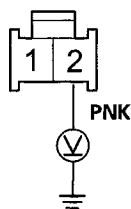


9. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
10. Remove the jumper wire.
11. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat belt buckle switch 2P connector.



12. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
13. Measure the voltage between driver's seat wire harness 2P connector terminal No. 2 and body ground. There should be more than 10 V.

DRIVER'S SEAT WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

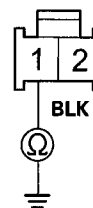
Is the voltage as specified?

YES—Go to step 14.

NO—Open in the SRS floor wire harness or the driver's seat wire harness; replace the faulty harness, then clear the DTC.■

14. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
15. Measure the resistance between driver's seat wire harness 2P connector terminal No. 1 and body ground. There should be less than 1.0 Ω .

DRIVER'S SEAT WIRE HARNESS 2P CONNECTOR



Wire side of female terminals

Is resistance as specified?

YES—Faulty driver's seat belt buckle switch; replace the driver's seat belt buckle assembly (see page 24-6), then clear the DTC.■

NO—Open in the SRS floor wire harness or the driver's seat wire harness; check for a poor ground at G701 (see page 22-18). If the ground is OK, replace the faulty harness, then clear the DTC.■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC 61-2x ("x" can be 0 thru 9 or A thru F): Short in the Driver's Seat Belt Buckle Switch

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then buckle and unbuckle the driver's seat belt several times.
4. Check for DTCs with the HDS (see page 24-24).

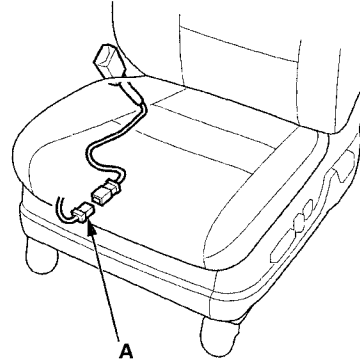
Is DTC 61-2x indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

6. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat belt buckle switch 2P connector.



7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 61-2x indicated?

YES—Short to ground in the SRS floor wire harness or the driver's seat wire harness; replace the faulty harness, then clear the DTC. ■

NO—Faulty driver's seat belt buckle switch; replace the driver's seat belt buckle assembly (see page 24-6), then clear the DTC. ■



**DTC 62-1x ("x" can be 0 thru 9 or A thru F):
Open in the Front Passenger's Seat Belt
Buckle Switch**

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then buckle and unbuckle the front passenger's seat belt several times.
4. Check for DTCs with the HDS (see page 24-24).

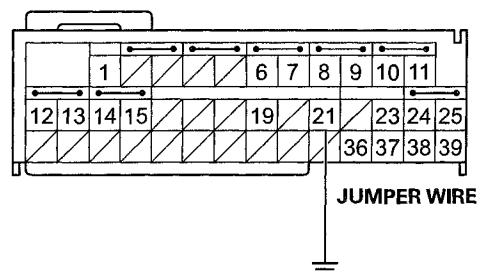
Is DTC 62-1x indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
6. Install a jumper wire between SRS unit connector B (39P) terminal No. 21 and body ground.

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 62-2x indicated?

YES—Go to step 9.

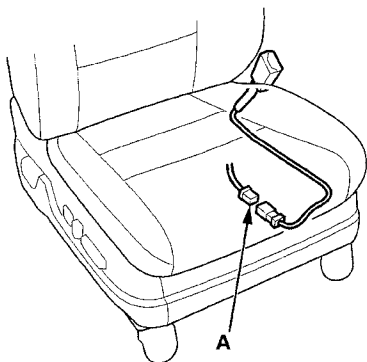
NO—Faulty SRS unit or poor connection at SRS unit connector B (39P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, replace the SRS unit (see page 24-174). ■

(cont'd)

SRS (Supplemental Restraint System)

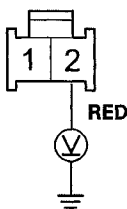
DTC Troubleshooting (cont'd)

9. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
10. Remove the jumper wire.
11. Disconnect the front passenger's seat wire harness 2P connector (A) from the front passenger's seat belt buckle switch 2P connector.



12. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
13. Measure the voltage between front passenger's seat wire harness 2P connector terminal No. 2 and body ground. There should be more than 10 V.

**FRONT PASSENGER'S SEAT
WIRE HARNESS 2P CONNECTOR**



Wire side of female terminals

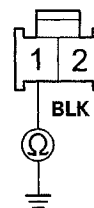
Is the voltage as specified?

YES—Go to step 14.

NO—Open in the SRS floor wire harness or the front passenger's seat wire harness; replace the faulty harness, then clear the DTC. ■

14. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
15. Measure the resistance between front passenger's seat wire harness 2P connector terminal No. 1 and body ground. There should be less than 1.0 Ω .

**FRONT PASSENGER'S SEAT
WIRE HARNESS 2P CONNECTOR**



Wire side of female terminals

Is resistance as specified?

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

NO—Open in the SRS floor wire harness or the front passenger's seat wire harness; check for a poor ground at G702 (see page 22-18). If the ground is OK, replace the faulty harness, then clear the DTC. ■



**DTC 62-2x ("x" can be 0 thru 9 or A thru F):
Short in the Front Passenger's Seat Belt
Buckle Switch**

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then buckle and unbuckle the front passenger's seat belt several times.
4. Check for DTCs with the HDS (see page 24-24).

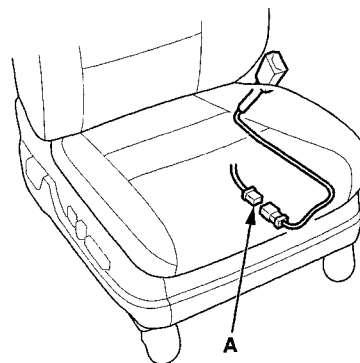
Is DTC 62-2x indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

6. Disconnect the front passenger's seat wire harness 2P connector (A) from the front passenger's seat belt buckle switch 2P connector.



7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 62-2x indicated?

YES—Short to ground in the SRS floor wire harness or the front passenger's seat wire harness; replace the faulty harness, then clear the DTC. ■

NO—Faulty front passenger's seat belt buckle switch; replace the front passenger's seat belt buckle assembly (see page 24-6), then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC 71-1x ("x" can be 0 thru 9 or A thru F): Open in the Driver's Seat Position Sensor

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 71-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

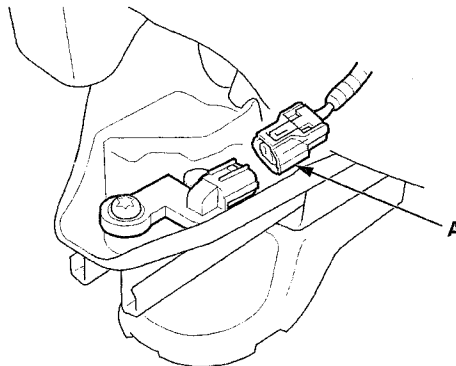
4. Check the connection between the driver's seat wire harness and the driver's seat position sensor (see page 24-182), and ground connection at G701 (see page 22-78).
5. Clear the DTC with the HDS (see page 24-25).
6. Check for DTCs with the HDS (see page 24-24).

Is DTC 71-1x indicated?

YES—Go to step 7.

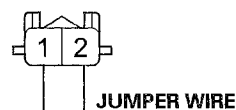
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
8. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat position sensor (see page 24-182).



9. Install a jumper wire between driver's seat wire harness 2P connector terminals No. 1 and No. 2.

DRIVER'S SEAT WIRE HARNESS 2P CONNECTOR

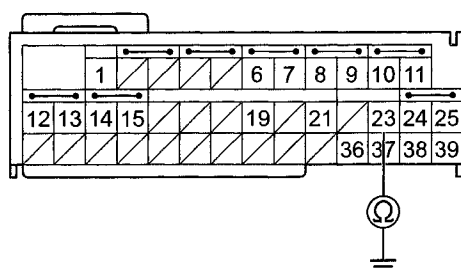


Wire side of female terminals



10. Disconnect the negative cable from the battery, then wait at least 3 minutes.
11. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
12. Measure the resistance between SRS unit connector B (39P) terminal No. 23 and body ground. There should be less than 1.0 Ω .

SRS UNIT CONNECTOR B (39P)



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 24-182), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness or the driver's seat wire harness; replace the faulty harness, then clear the DTC. ■

DTC 71-2x ("x" can be 0 thru 9 or A thru F): Short in the Driver's Seat Position Sensor

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

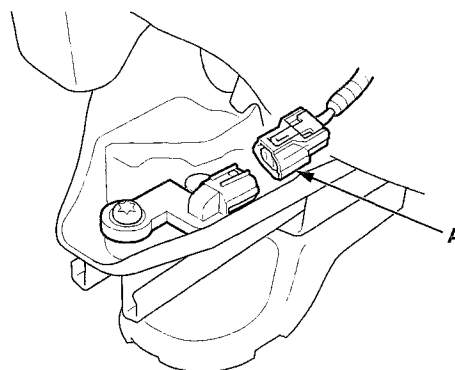
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 71-2x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat position sensor (see page 24-182).



(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

6. Clear the DTC with the HDS (see page 24-25).
7. Check for DTCs with the HDS (see page 24-24).

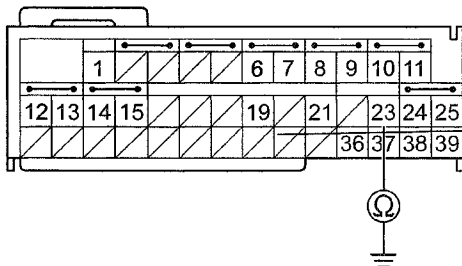
Is DTC 71-2x indicated?

YES—Go to step 8.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

8. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
9. Disconnect the negative cable from the battery, then wait at least 3 minutes.
10. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
11. Measure the resistance between SRS unit connector B (39P) terminal No. 23 and body ground. There should be an open circuit or at least 1 MΩ.

SRS UNIT CONNECTOR B (39P)



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 24-182), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Short to ground in the SRS floor wire harness or the driver's seat wire harness; replace the faulty harness, then clear the DTC. ■

DTC 81-4x, 81-5x ("x" can be 0 thru 9 or A thru F), 81-63, 81-64: Internal the Failure of the ODS Unit

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

3. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-4x, 81-5x, 81-63, or 81-64 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Clear the DTC with the HDS (see page 24-25).
5. Do the ODS unit initialization (see page 24-27).
6. Turn the ignition switch to LOCK (0), press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

8. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-4x, 81-5x, 81-63, or 81-64 indicated?

YES—Go to step 9.

NO—The system is OK at this time. ■

9. Replace the ODS unit (see page 24-180), then clear the DTC.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

11. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-4x, 81-5x, 81-63, or 81-64 indicated?

YES—Replace the SRS unit (see page 24-174).

NO—The system is OK. ■



DTC 81-61: No Signal From the ODS Unit

DTC 81-62: Incorrect Data From the ODS Unit

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Make sure nothing is on the front passenger's seat.
2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
4. Check for DTCs with the HDS (see page 24-24).

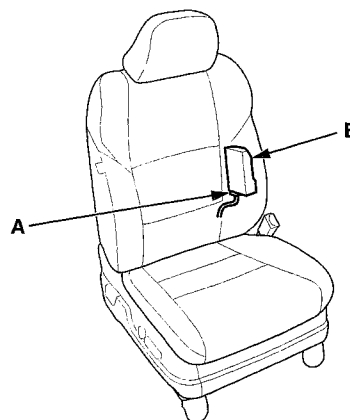
Is DTC 81-61 or 81-62 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

6. Check the connection between front passenger's seat wire harness 18P connector (A) and the ODS unit (B).



Is the connection OK?

YES—Go to step 7.

NO—Repair the poor connection, then clear the DTC. If DTC 81-61 or 81-62 is still present, go to step 7.

7. Check the No. 5 (7.5 A) fuse in the driver's under-dash fuse/relay box.

Is the fuse OK?

YES—Go to step 8.

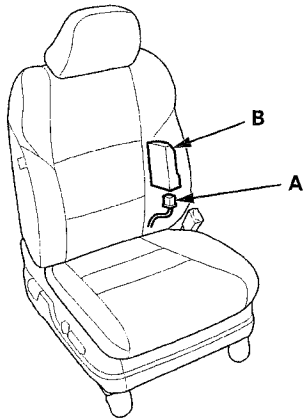
NO—Replace the fuse, then turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode. If the fuse blows again, check for a short in the No. 5 (7.5 A) fuse circuit (dashboard wire harness, SRS floor wire harness, or front passenger's seat wire harness). ■

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SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

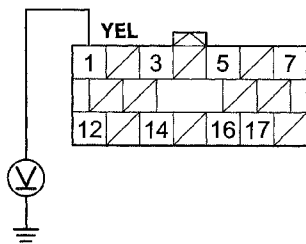
8. Disconnect the front passenger's seat wire harness 18P connector (A) from the ODS unit (B).



9. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

10. Measure the voltage between front passenger's seat wire harness 18P connector terminal No. 1 and body ground. There should be battery voltage.

FRONT PASSENGER'S SEAT
WIRE HARNESS 18P CONNECTOR



Wire side of female terminals

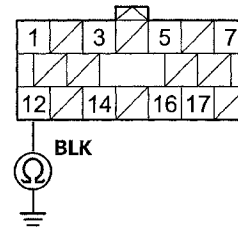
Is there battery voltage?

YES—Go to step 11.

NO—Open in the harness between the No. 5 (7.5 A) fuse in the driver's under-dash fuse/relay box and the front passenger's seat wire harness 18P connector terminal No. 1 (dashboard wire harness, SRS floor wire harness, or front passenger's seat wire harness); replace the faulty harness, then clear the DTC.■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Measure the resistance between body ground and front passenger's seat wire harness 18P connector terminals No. 12. There should be less than 1.0 Ω .

FRONT PASSENGER'S SEAT
WIRE HARNESS 18P CONNECTOR



Wire side of female terminals

Is the resistance as specified?

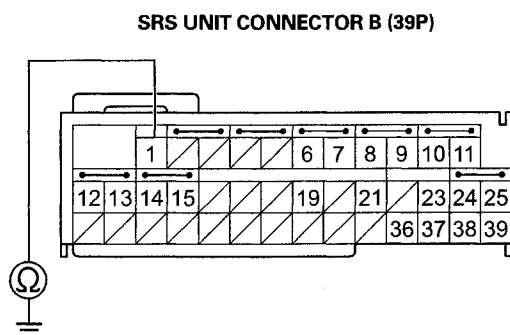
YES—Go to step 13.

NO—Open in the SRS floor wire harness, the front passenger's seat wire harness, poor connection at the ground (G702) (see page 22-50) or poor connection at the front passenger's seat wire harness 18P connector, and the ODS unit. Check the connectors; if the connection is OK, replace the faulty harness, then clear the DTC.■

13. Disconnect the negative cable from the battery, then wait at least 3 minutes.
14. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).



15. Measure the resistance between SRS unit connector B (39P) terminal No. 1 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?

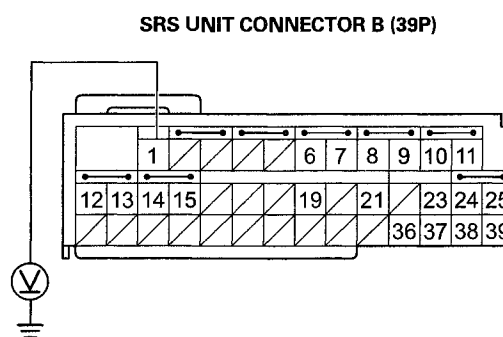
YES—Go to step 16.

NO—Short to ground in the SRS floor wire harness or the front passenger's seat wire harness; replace the faulty harness, then clear the DTC. ■

16. Reconnect the negative cable to the battery.

17. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

18. Measure the voltage between SRS unit connector B (39P) terminal No. 1 and body ground. There should be less than 0.2 V.



Wire side of female terminals

Is the resistance as specified?

YES—Go to step 19.

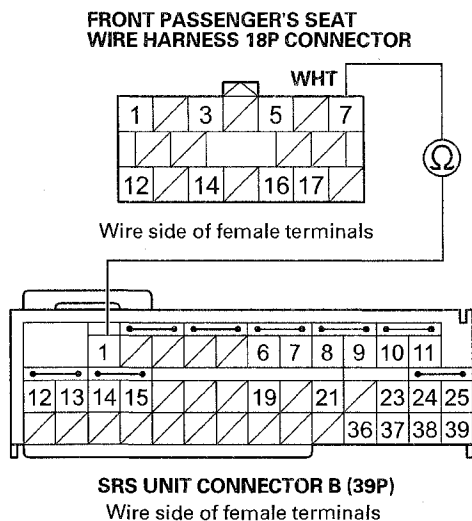
NO—Short to power in the SRS floor wire harness or the front seat passenger's seat wire harness; replace the faulty harness, then clear the DTC. ■

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

19. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
20. Measure the resistance between SRS unit connector B (39P) terminal No. 1 and front passenger's seat wire harness 18P connector terminal No. 7. There should be less than 1.0 Ω .



Is the resistance as specified?

YES—Faulty ODS unit; replace the ODS unit (see page 24-180), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the harness between SRS unit connector B (39P) terminal No. 1 and front passenger's seat wire harness 18P connector terminal No. 7 (SRS floor wire harness or front passenger's seat wire harness); replace the faulty harness, then clear the DTC. ■

DTC 81-71, 81-78: ODS Unit Not Calibrated

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-71 or 81-78 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Clear the DTC with the HDS (see page 24-25).
5. Do the front passenger's weight sensor initialization (see page 24-27).
6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-71 or 81-78 indicated?

YES—Go to step 9.

NO—The system is OK at this time. ■

9. Replace the ODS unit (see page 24-180), then clear the DTC.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
11. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-71 or 81-78 indicated?

YES—Replace the SRS unit (see page 24-174). ■

NO—The system is OK. ■



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

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-79 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Make sure nothing is on the front passenger's seat.
6. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
7. Check for DTCs with the HDS (see page 24-24).

Is DTC 81-79 indicated?

YES—Loosen the front passenger's seat mounting bolts (see step 4 on page 20-139), and shake the seat in all directions. Tighten the seat mounting bolts to the specified torque. Do the front passenger's weight sensor initialization (see page 24-27). If the DTC is still present, replace the front passenger's weight sensor assembly (see page 24-179), then clear the DTC. If the DTC is still present, replace the ODS unit (see page 24-180), then clear the DTC. ■

NO—The system is OK at this time. ■

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

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Check the front passenger's weight sensor connectors for loose or poor connections.
2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
4. Check for DTCs with the HDS (see page 24-24).

Is DTC 82-1x indicated?

YES—Faulty inner side front passenger's weight sensor; replace the front passenger's weight sensor assembly (see page 24-179), then clear the DTC. ■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC 83-2x ("x" can be 0 thru 9 or A thru F): No Signal From the Outer Side Front Passenger's Weight Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Check the front passenger's weight sensor connectors for loose or poor connections.
2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
4. Check for DTCs with the HDS (see page 24-24).

Is DTC 83-2x indicated?

YES—Faulty outer side front passenger's weight sensor; replace the front passenger's weight sensor assembly (see page 24-179), then clear the DTC.■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

DTC 85-4x, 85-5x ("x" can be 0 thru 9 or A thru F), 85-63, 85-64: Internal Failure of the ODS Unit

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-4x, 85-5x, 85-63, or 85-64 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

4. Clear the DTC with the HDS (see page 24-25).
5. Do the ODS unit initialization (see page 24-27).
6. Turn the ignition switch to LOCK (0), press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-4x, 85-5x, 85-63, or 85-64 indicated?

YES—Go to step 9.

NO—The system is OK at this time.■

9. Replace the ODS unit (see page 24-180), then clear the DTC.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
11. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-4x, 85-5x, 85-63, or 85-64 indicated?

YES—Replace the SRS unit (see page 24-174).

NO—The system is OK.■



DTC 85-61: No Signal From the ODS Unit

DTC 85-62: Incorrect Data From the ODS Unit

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).

1. Make sure nothing is on the front passenger's seat.
2. Clear the DTC with the HDS (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
4. Check for DTCs with the HDS (see page 24-24).

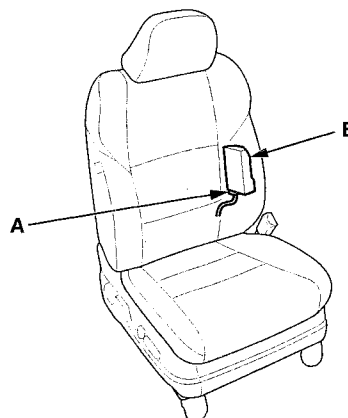
Is DTC 85-61 or 85-62 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

5. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

6. Check the connection between front passenger's seat wire harness 18P connector (A) and the ODS unit (B).



Is the connection OK?

YES—Go to step 7.

NO—Repair the poor connection, then clear the DTC. If DTC 85-61 or 85-62 is still present, go to step 7.

7. Check the No. 5 (7.5 A) fuse in the driver's under-dash fuse/relay box.

Is the fuse OK?

YES—Go to step 8.

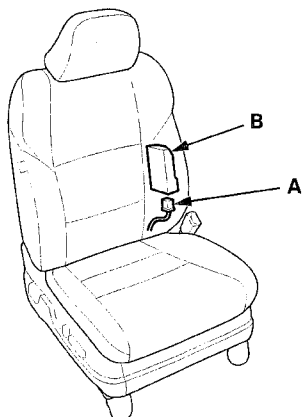
NO—Replace the fuse, then turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode. If the fuse blows again, check for a short in the No. 5 (7.5 A) fuse circuit (dashboard wire harness, SRS floor wire harness, or front passenger's seat wire harness). ■

(cont'd)

SRS (Supplemental Restraint System)

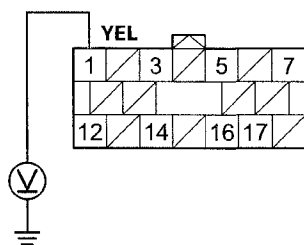
DTC Troubleshooting (cont'd)

8. Disconnect the front passenger's seat wire harness 18P connector (A) from the ODS unit (B).



9. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
10. Measure the voltage between front passenger's seat wire harness 18P connector terminal No. 1 and body ground. There should be battery voltage.

FRONT PASSENGER'S SEAT
WIRE HARNESS 18P CONNECTOR



Wire side of female terminals

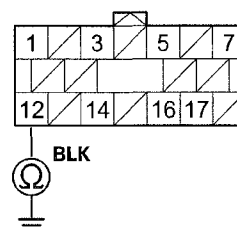
Is there battery voltage?

YES—Go to step 11.

NO—Open in the harness between the No. 5 (7.5 A) fuse in the driver's under-dash fuse/relay box and the front passenger's seat wire harness 18P connector terminal No. 1 (dashboard wire harness, SRS floor wire harness, or front passenger's seat wire harness); replace the faulty harness, then clear the DTC. ■

11. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
12. Measure the resistance between body ground and front passenger's seat wire harness 18P connector terminals No. 12. There should be less than 1.0 Ω .

FRONT PASSENGER'S SEAT
WIRE HARNESS 18P CONNECTOR



Wire side of female terminals

Is resistance as specified?

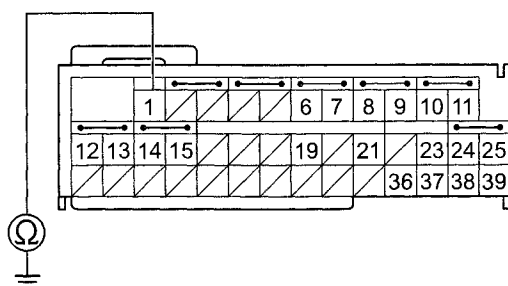
YES—Go to step 13.

NO—Open in the SRS floor wire harness, the front passenger's seat wire harness, poor connection at the ground (G702) (see page 22-50) or poor connection at the front passenger's seat wire harness 18P connector, and the ODS unit. Check the connectors; if the connection is OK, replace the faulty harness, then clear the DTC. ■



13. Disconnect the negative cable from the battery, then wait at least 3 minutes.
14. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
15. Measure the resistance between SRS unit connector B (39P) terminal No. 1 and body ground. There should be an open circuit or at least 1 M Ω .

SRS UNIT CONNECTOR B (39P)



Wire side of female terminals

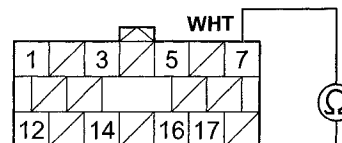
Is the resistance as specified?

YES—Go to step 16.

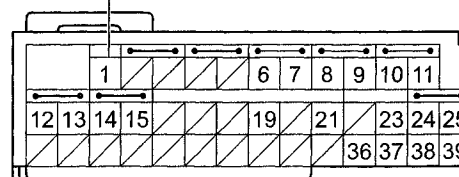
NO—Short to ground in the SRS floor wire harness or the front passenger's seat wire harness; replace the faulty harness, then clear the DTC.■

16. Measure the resistance between SRS unit connector B (39P) terminal No. 1 and front passenger's seat wire harness 18P connector terminal No. 7. There should be less than 1.0 Ω .

FRONT PASSENGER'S SEAT WIRE HARNESS 18P CONNECTOR



Wire side of female terminals



SRS UNIT CONNECTOR B (39P)

Wire side of female terminals

Is the resistance as specified?

YES—Go to step 17.

NO—Open in the harness between SRS unit connector B (39P) terminal No. 1 and front passenger's seat wire harness 18P connector terminal No. 7 (SRS floor wire harness or front passenger's seat wire harness); replace the faulty harness, then clear the DTC.■

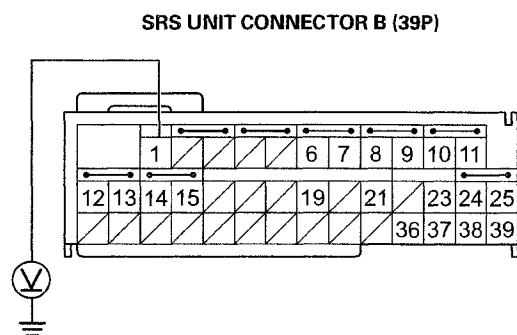
17. Reconnect the negative cable to the battery.
18. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

19. Measure the voltage between SRS unit connector B (39P) terminal No. 1 and body ground. There should be less than 0.2 V.



Wire side of female terminals

Is the voltage as specified?

YES—Go to step 20.

NO—Short to power in the SRS floor wire harness or the front seat passenger's seat wire harness; replace the faulty harness, then clear the DTC. ■

20. Replace the ODS unit (see page 24-180), then clear the DTC.
21. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
22. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-61 or 85-62 indicated?

YES—Replace the SRS unit (see page 24-174). ■

NO—This system is OK. ■

DTC 85-71, 85-78: ODS Unit Not Initialized

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-71 or 85-78 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Clear the DTC with the HDS (see page 24-25).
5. Do the ODS unit initialization (see page 24-27).
6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
7. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
8. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-71, or 85-78 indicated?

YES—Go to step 9.

NO—The system is OK at this time. ■

9. Replace the ODS unit (see page 24-180), then clear the DTC.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
11. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-71, or 85-78 indicated?

YES—Replace the SRS unit (see page 24-174). ■

NO—The system is OK. ■



DTC 85-79: OPDS Sensor Initial Check Failure

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-79 indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Make sure nothing is on the front passenger's seat.
6. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
7. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-79 indicated?

YES—Go to step 8.

NO—The system is OK at this time. ■

8. Clear the DTC with the HDS (see page 24-25).
9. Do the ODS unit initialization (see page 24-27).
10. Turn the ignition switch to LOCK (0), press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
11. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
12. Check for DTCs with the HDS (see page 24-24).

Is DTC 85-79 indicated?

YES—Replace the ODS unit (see page 24-180), then clear the DTC. If the DTC is still present, replace the seat-back cover/pad with equipped OPDS sensor (see page 20-148), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—The system is OK at this time. ■

DTC 86-1x ("x" can be 0 thru 9 or A thru F): Faulty OPDS Seat-Back Sensor

DTC 86-2x ("x" can be 0 thru 9 or A thru F): Faulty OPDS Seat Support Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

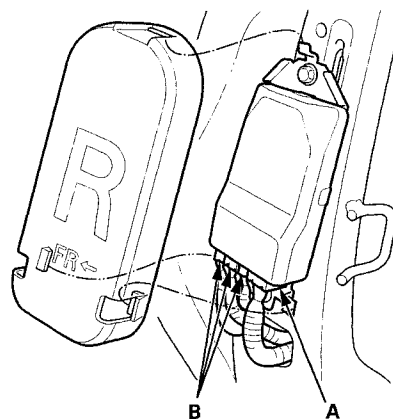
1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 86-1x or 86-2x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Check the connection between front passenger's seat wire harness 18P connector (A) and the OPDS sensor connectors (B), and ODS unit.



Are the connections OK?

YES—Go to step 6.

NO—Repair the poor connections, then clear the DTC. If DTC 86-1x or 86-2x is still present, go to step 6.

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

6. Replace the seat-back cover/pad with equipped OPDS sensor (see page 20-148), then clear the DTC.
7. Do the ODS unit initialization (see page 24-27).
8. Turn the ignition switch to LOCK (0), press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
9. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
10. Check for DTCs with the HDS (see page 24-24).

Is DTC 86-1x or 86-2x indicated?

YES—Replace the ODS unit (see page 24-180), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—The system is OK. ■

DTC 92-1x ("x" can be 0 thru 9 or A thru F): Short to Power in the Front Passenger's Airbag Cutoff Indicator

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 92-1x indicated?

YES—Go to step 4.

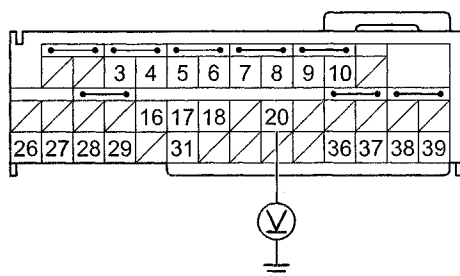
NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the passenger's airbag cutoff indicator 6P connector (see page 24-183).



7. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
8. Reconnect the negative cable to the battery.
9. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
10. Measure the voltage between SRS unit connector A (39P) terminal No. 20 and body ground. There should be less than 0.2 V.

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty passenger's airbag cutoff indicator; replace the passenger's airbag cutoff indicator (see page 24-183), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Short to power in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

DTC 92-2x ("x" can be 0 thru 9 or A thru F): Open or Short to Ground in the Passenger's Airbag Cutoff Indicator

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC 92-2x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

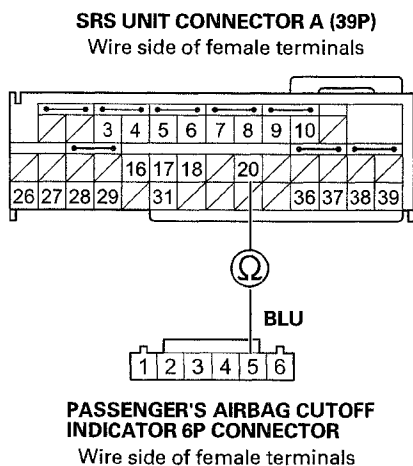
4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Disconnect the passenger's airbag cutoff indicator 6P connector (see page 24-183).
7. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).

(cont'd)

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

8. Measure the resistance between SRS unit connector A (39P) terminal No. 20 and passenger's airbag cutoff indicator 6P connector terminal No. 5. There should be less than 1.0 Ω .

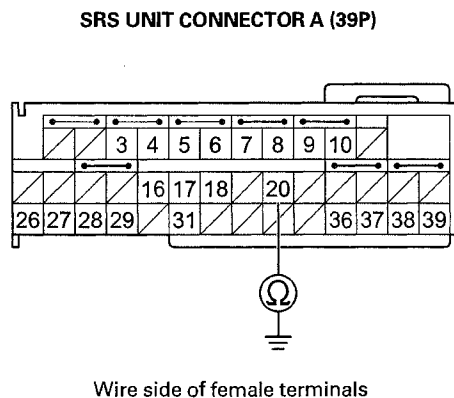


Is the resistance as specified?

YES—Go to step 9.

NO—Open in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

9. Measure the resistance between SRS unit connector A (39P) terminal No. 20 and body ground. There should be an open circuit or more than 1 M Ω .



Is the resistance as specified?

YES—Faulty passenger's airbag cutoff indicator; replace the passenger's airbag cutoff indicator (see page 24-183), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Short to ground in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■



**DTC A1-1x ("x" can be 0 thru 9 or A thru F):
Faulty Power Supply (VA line)**

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC A1-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Check the No. 5 (7.5 A) fuse in the driver's under-dash fuse/relay box.

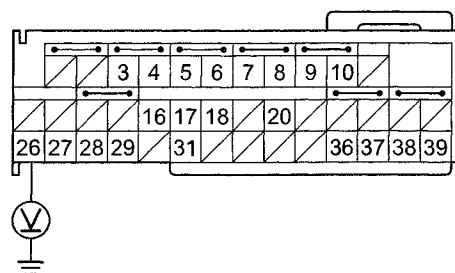
Is the fuse OK?

YES—Go to step 6.

NO—Replace the fuse, then turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode. If the fuse blows again, check for a short in the No. 5 (7.5 A) fuse circuit (dashboard wire harness, SRS floor wire harness, or front passenger's seat wire harness); replace the faulty harness, then clear the DTC. If the DTC is still present, replace the driver's under-dash fuse/relay box (see page 22-81), then clear the DTC. ■

6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
7. Disconnect the negative cable from the battery, then wait at least 3 minutes.
8. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
9. Reconnect the negative cable to the battery.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
11. Measure the voltage between SRS unit connector A (39P) terminal No. 26 and body ground. There should be battery voltage.

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) and the SRS unit; check the connection. If the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC A2-1x ("x" can be 0 thru 9 or A thru F): Faulty Power Supply (VB line)

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC A2-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Check the No. 11 (10 A) fuse in the driver's under-dash fuse/relay box.

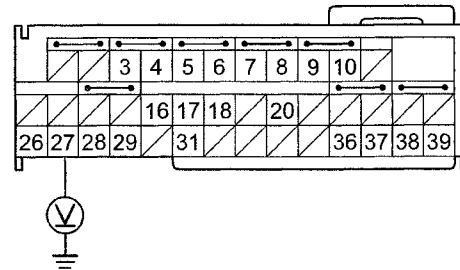
Is the fuse OK?

YES—Go to step 6.

NO—Replace the fuse, then turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode. If the fuse blows again, check for a Short to ground in the dashboard wire harness or in the driver's under-dash fuse/relay box No. 11 (10 A) fuse circuit; replace the dashboard wire harness, then clear the DTC. If the DTC is still present, replace the driver's under-dash fuse/relay box (see page 22-81), then clear the DTC. ■

6. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
7. Disconnect the negative cable from the battery, then wait at least 3 minutes.
8. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
9. Reconnect the negative cable to the battery.
10. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
11. Measure the voltage between SRS unit connector A (39P) terminal No. 27 and body ground. There should be battery voltage.

SRS UNIT CONNECTOR A (39P)



Wire side of female terminals

Is the voltage as specified?

YES—Faulty SRS unit or poor connection at SRS unit connector A (39P) and the SRS unit; check the connection. If the connection is OK, replace the SRS unit (see page 24-174). ■

NO—Open in the dashboard wire harness; replace the dashboard wire harness, then clear the DTC. ■



DTC A3-1x ("x" can be 0 thru 9 or A thru F): SRS Connector A Not Properly Installed

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC A3-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Check the connection between SRS unit connector A (39P) and the SRS unit.
6. Disconnect the negative cable from the battery, then wait at least 3 minutes.

Is the connection OK?

YES—Go to step 7.

NO—Repair the poor connection, clear the DTC. If DTC A3-1x is still present, go to step 7.

7. Disconnect SRS unit connector A (39P) from the SRS unit (see step 7 on page 24-23).
8. Check for bent or damaged terminals on the SRS unit.

Are any terminals bent or damaged?

YES—Replace the SRS unit (see page 24-174). ■

NO—Replace the dashboard wire harness, then clear the DTC. ■

DTC A4-1x ("x" can be 0 thru 9 or A thru F): SRS Connector B Not Properly Installed

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC A4-1x indicated?

YES—Go to step 4.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC. ■

4. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.
5. Disconnect the negative cable from the battery, then wait at least 3 minutes.
6. Check the connection between SRS unit connector B (39P) and the SRS unit.

Is the connection OK?

YES—Go to step 7.

NO—Repair the poor connection, clear the DTC. If DTC A4-1x is still present, go to step 7.

7. Disconnect SRS unit connector B (39P) from the SRS unit (see step 7 on page 24-23).
8. Check for bent or damaged terminals on the SRS unit.

Are any terminals bent or damaged?

YES—Replace the SRS unit (see page 24-174). ■

NO—Replace the dashboard wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC B2-1x ("x" can be 0 thru 9 or A thru F): No Signal From the Rear Safing Sensor

Special Tools Required

- SRS Inflator Simulator 07SAZ-TB4011A
- SRS Simulator Lead L 070AZ-SNAA300

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13), General Troubleshooting Information (see page 24-23), and Battery Terminal Disconnection and Reconnection (see page 22-86).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.

3. Check for DTCs with the HDS (see page 24-24).

Is DTC B2-11 indicated?

YES—Go to step 4.

NO—Go to step 5.

4. Check for DTCs with the HDS (see page 24-24).

Is DTC 46-11 also indicated?

YES—Faulty rear safing sensor; replace the rear safing sensor (see page 24-178), then clear the DTC.■

NO—Go to step 7.

5. Check for DTCs with the HDS (see page 24-24).

Is DTC B2-1x (except B2-11) also indicated?

YES—Go to step 6.

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

6. Check for DTCs with the HDS (see page 24-24).

Is DTC 46-11 also indicated?

YES—Troubleshoot DTC 46-1x (see page 24-114).■

NO—Faulty rear safing sensor; replace the rear safing sensor (see page 24-178), then clear the DTC.■

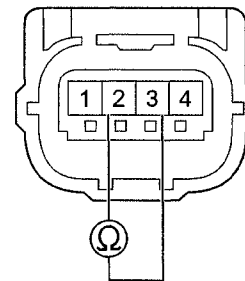
7. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

8. Disconnect the SRS floor wire harness 4P connector from the left side impact sensor (first) (see page 24-176).

9. Disconnect the SRS floor wire harness 4P connector (rear safing sensor) from the rear safing sensor (see page 24-178).

10. Measure the resistance between SRS floor wire harness 4P connector (rear safing sensor) terminals No. 2 and No. 3. There should be an open circuit or at least 1 MΩ.

SRS FLOOR WIRE HARNESS 4P CONNECTOR (Rear safing sensor)



Wire side of female terminals

Is the resistance as specified?

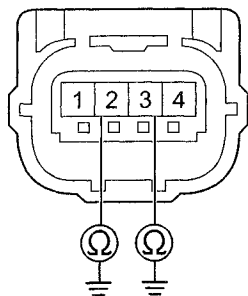
YES—Go to step 11.

NO—Short to another wire in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC.■



11. Measure the resistance between body ground and SRS floor wire harness 4P connector (rear safing sensor) terminals No. 2 and No. 3 individually. There should be an open circuit or at least 1 M Ω .

SRS FLOOR WIRE HARNESS 4P CONNECTOR
(Rear safing sensor)



Wire side of female terminals

Is the resistance as specified?

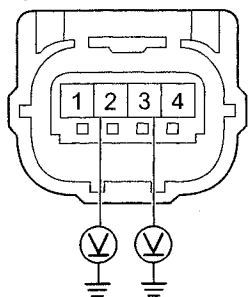
YES—Go to step 12.

NO—Short to ground in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

12. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.

13. Measure the voltage between body ground and SRS floor wire harness 4P connector (rear safing sensor) terminals No. 2 and No. 3 individually. There should be less than 0.2 V.

SRS FLOOR WIRE HARNESS 4P CONNECTOR
(Rear safing sensor)



Wire side of female terminals

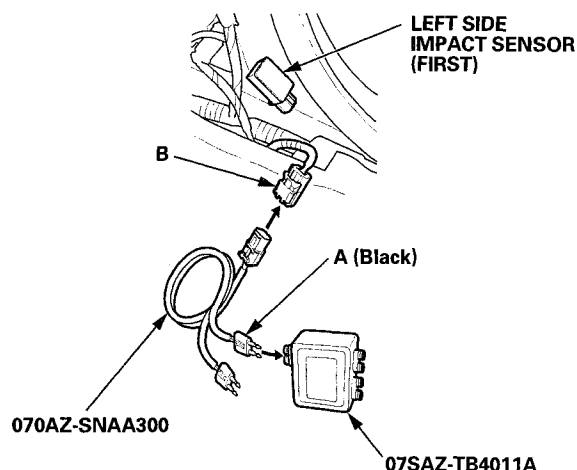
Is the voltage as specified?

YES—Go to step 14.

NO—Short to power in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

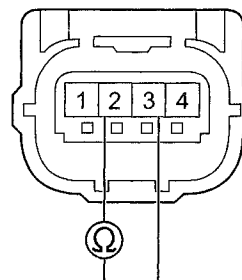
14. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode.

15. Connect the SRS inflator simulator (jumper connector) and the black lead (A) of simulator lead L to the SRS floor wire harness 4P connector (B).



16. Measure the resistance between SRS floor wire harness 4P connector (rear safing sensor) terminals No. 2 and No. 3. There should be less than 1.0 Ω .

SRS FLOOR WIRE HARNESS 4P CONNECTOR
(Rear safing sensor)



Wire side of female terminals

Is the resistance as specified?

YES—Faulty rear safing sensor or SRS unit; replace the rear safing sensor (see page 24-178), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174). ■

NO—Open in the SRS floor wire harness; replace the SRS floor wire harness, then clear the DTC. ■

SRS (Supplemental Restraint System)

DTC Troubleshooting (cont'd)

DTC B2-2x, B2-8x, B2-Bx ("x" can be 0 thru 9 or A thru F): Internal Failure of the Rear Safing Sensor

NOTE: Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC B2-2x, B2-8x, or B2-Bx indicated?

YES—Faulty rear safing sensor; replace the rear safing sensor (see page 24-178), then clear the DTC. If the DTC is still present, replace the SRS unit (see page 24-174).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■

DTC Ex-11 ("x" can be 0 thru 9 or A thru F): Control Operation Recorded

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Clear the DTC with the HDS (see page 24-25).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, then wait for 10 seconds.
3. Check for DTCs with the HDS (see page 24-24).

Is DTC Ex-11 indicated?

YES—Faulty SRS unit; replace the SRS unit (see page 24-174).■

NO—Intermittent failure, the system is OK at this time. Go to Troubleshooting Intermittent Failures (see page 24-25). If another DTC is indicated, troubleshoot the DTC.■



Symptom Troubleshooting

DTC Fx-11 ("x" can be 0 thru 9 or A thru F): Airbags and/or Tensioners Deployment Recorded

NOTE:

- Before doing this troubleshooting procedure, review SRS Precautions and Procedures (see page 24-13) and General Troubleshooting Information (see page 24-23).
- Refer to the DTCs shown:
 - DTC F1-11: Driver's airbag and/or driver's seat belt tensioner deployed.
 - DTC F2-11: Front passenger's airbag and/or front passenger's seat belt tensioner deployed.
 - DTC F3-11: Driver's side airbag, left side curtain airbag, and/or driver's seat belt tensioner deployed.
 - DTC F4-11: Front passenger's side airbag, right side curtain airbag, and/or front seat belt tensioner deployed.
 - DTC F6-11: Left side curtain airbag or right side curtain airbag deployed.

When any airbags or tensioners have deployed, go to Component Replacement/Inspection After Deployment (see page 24-154). ■

SRS indicator does not come on

NOTE: Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Turn the ignition switch to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and check that the SRS indicator comes on for about 6 seconds and then goes off.

Does the SRS indicator come on?

YES—Intermittent failure, the system is OK at this time. ■

NO—Go to step 3.

3. Connect the HDS to the data link connector (DLC) (see page 24-25).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
5. Do the gauge control module self-diagnostic function (see page 22-342).

Does the SRS indicator come on?

YES—Faulty SRS unit; replace the SRS unit (see page 24-174). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-367). ■

SRS (Supplemental Restraint System)

Symptom Troubleshooting (cont'd)

SRS indicator stays on, but no DTCs are stored, or cannot be read

NOTE: Before doing this troubleshooting procedure, make sure the battery is fully charged. If the battery voltage is low, SRS indicator may stay on.

1. Start the engine, and see if the malfunction indicator lamp (MIL) also stays on.

Does the MIL stay on longer than 30 seconds?

YES—Go to the MIL Circuit Troubleshooting (see page 11-257). ■

NO—Go to step 2.

2. Connect the HDS to the data link connector (DLC) (see page 24-25).
3. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
4. Check for DTCs with the HDS (see page 24-24).

Are any SRS DTCs indicated?

YES—Do the SRS DTC troubleshooting.

NO—Go to step 5.

5. Select Body Electrical status with the HDS.
6. Check for DTCs in the Gauge Menu with the HDS.

Is DTC U0151 indicated?

YES—Troubleshoot DTC U0151 (see page 22-359). ■

NO—Go to step 7.

7. Do the gauge control module self-diagnostic function (see page 22-342).

Does the SRS indicator come on?

YES—Faulty SRS unit; replace the SRS unit (see page 24-174). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-367). ■

Side airbag cutoff indicator stays on

1. Make sure nothing is on the front passenger's seat.
2. Make sure the seat-back is dry.
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and see if the SRS indicator comes on.

Does the SRS indicator come on and stay on?

YES—Go to the Symptom Troubleshooting "SRS indicator stays on, but no DTCs are stored, or cannot be read". ■

NO—Go to step 4.

4. Connect the HDS to the data link connector (DLC) (see page 24-25).
5. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
6. Select Body Electrical status with the HDS.
7. Check for DTCs in the Gauge Menu with the HDS.

Is DTC U0151 indicated?

YES—Troubleshoot DTC U0151 (see page 22-359). ■

NO—Go to step 8.

8. Do the gauge control module self-diagnostic function (see page 22-342).

Does the side airbag cutoff indicator flash?

YES—Do the ODS unit initialization (see page 24-27). If the problem is still present, replace the seat-back cover/pad with equipped OPDS sensor (see page 20-148). If the problem is still present, replace the SRS unit (see page 24-174). ■

NO—Faulty gauge control module; replace the gauge control module (see page 22-367). ■



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, or cannot be read (see page 24-152).
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Turn the ignition to LOCK (0), or press the engine start/stop button to select the OFF mode, then wait for 10 seconds.
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and check that the side airbag cutoff indicator comes on for about 6 seconds.

Does the side airbag cutoff indicator come on?

YES—Intermittent failure, the system is OK at this time.■

NO—Go to step 3.

3. Connect the HDS to the data link connector (DLC) (see page 24-25).
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
5. Do the gauge control module self-diagnostic function (see page 22-342).

Does the side airbag cutoff indicator come on?

YES—Faulty SRS unit; replace the SRS unit (see page 24-174).■

NO—Faulty gauge control module; replace the gauge control module (see page 22-367).■

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:

- When no one is sitting on the front passenger's seat, but there is an object on the seat more than 11 lbs (5 kg).
- The seat belt is buckled, but no one is sitting on the front passenger's seat.
- Someone who is less than about 65 lbs (30 kg) is sitting on the front passenger's seat.
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software (see page 24-26), and retest.

1. Check for these items, then recheck the passenger's airbag cutoff indicator.

- The front passenger's seat is installed correctly.
- Nothing is/was on the front passenger's seat.
- Nothing is/was under the front passenger's seat.
- Nothing is/was in the front passenger's seat-back pocket.
- Whoever was sitting on the front passenger's seat was sitting in the proper sitting position.
- The seat weight sensors may not measure the correct weight of the front passenger. If the passenger is more than 65 lbs (30 kg) but is supporting some of their body weight with their feet on the floor, or with their hands and arms on an arm rest, the actual weight of the passenger is not measured.

Does the passenger's airbag cutoff indicator stay on?

YES—Go to step 2.

NO—Troubleshooting is complete.■

(cont'd)

SRS (Supplemental Restraint System)

Symptom Troubleshooting (cont'd)

2. Connect the HDS to the data link connector (DLC) (see page 24-25).
3. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
4. Make sure the HDS communicates with the vehicle and the SRS unit. If it does not communicate, troubleshoot the DLC circuit (see page 11-258).
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 follow the prompts.

Does the passenger's airbag cutoff indicator stay on?

YES—Faulty SRS unit; replace the SRS unit (see page 24-174). If the problem is still present, replace the ODS unit (see page 24-180), and then if the problem is still present, replace the front passenger's weight sensor assembly (see page 24-179). ■

NO—Troubleshooting is complete. ■

Component Replacement/Inspection After Deployment

NOTE:

- Before doing any SRS repairs, check the DTCs (see page 24-23) for the less obvious deployed components (seat belt tensioners, front impact sensors, side airbag sensors, etc.)
- Do not replace the ODS unit unless it is physically damaged or a specific fault was found during DTC troubleshooting.
- After a vehicle collision, do the ODS unit operation check (see page 24-28).
- After a vehicle collision, inspect the front seat active head restraints (see page 20-138).

After a collision where the seat belt tensioners deployed, replace these items:

- SRS unit
- Seat belt tensioners
- Front impact sensors

After a collision where the front airbag(s) deployed, replace these items:

- SRS unit
- Deployed airbag(s)
- Seat belt tensioners
- Front impact sensors
- Dashboard

After a collision where a side airbag deployed, replace the items for the side(s) that deployed:

- SRS unit
- Side impact sensor(s) (first)
- Side impact sensor(s) (second)
- Front seat assembly (impact side)
- Seat belt tensioners

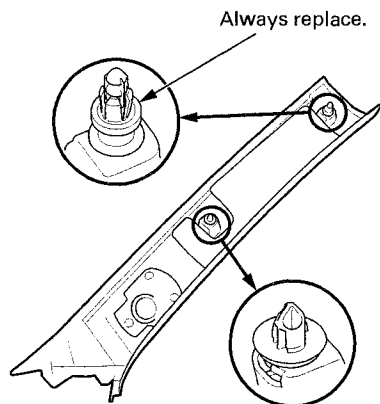


After a collision where a side curtain airbag has deployed, replace the items for the side(s) that deployed:

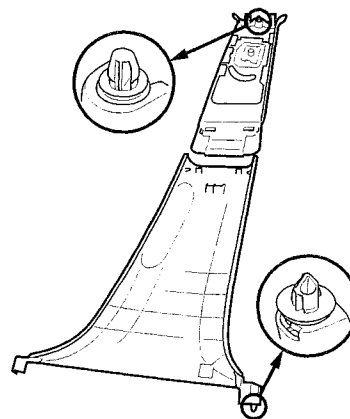
- SRS unit
- Deployed side curtain airbag(s)
- Seat belt tensioner(s)
- Side impact sensor(s) (first)
- Side impact sensor(s) (second)
- Rear safing sensor
- Roof trim
- A-pillar trim
- B-pillar upper trim
- C-pillar trim
- Front grab handle
- Rear grab handle
- All related trim clips
- Sunvisor

After a moderate to severe side or rear collision, inspect for any damage on the side curtain airbag or other related components. Replace the components as needed.

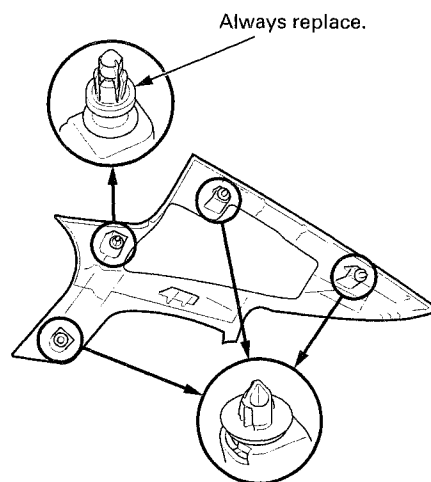
A-Pillar Trim



B-Pillar Trim



C-Pillar Trim



During the repair process, inspect these areas:

- Inspect all the SRS wire harnesses. Replace, do not repair, any damaged harnesses.
- Inspect the cable reel for heat damage. If there is any damage, replace the cable reel.

After the vehicle is completely repaired, turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode. 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 to read the DTC (see page 24-24). If you cannot retrieve a code, do the SRS Symptom Troubleshooting.

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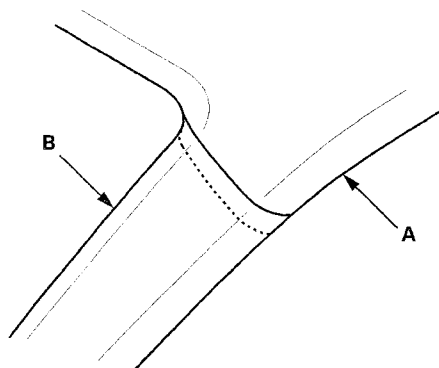
SRS (Supplemental Restraint System)

Component Replacement/Inspection After Deployment (cont'd)

Checking and Adjusting the Headliner/Pillar Trim Overlap

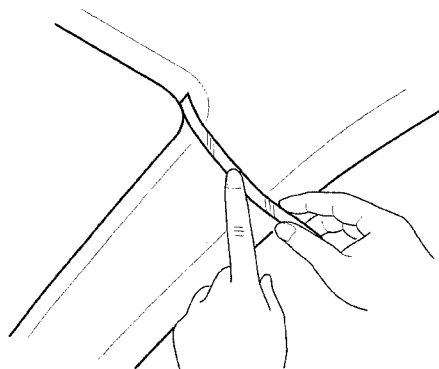
To prevent the side curtain airbag from deploying and damaging the pillar trim, the overlap between the headliner and pillar trim must be less than 8 mm (0.3 in). To check the overlap, do this:

1. Install the headliner (A) and the pillar trim (B).



This illustration shows the A-pillar.

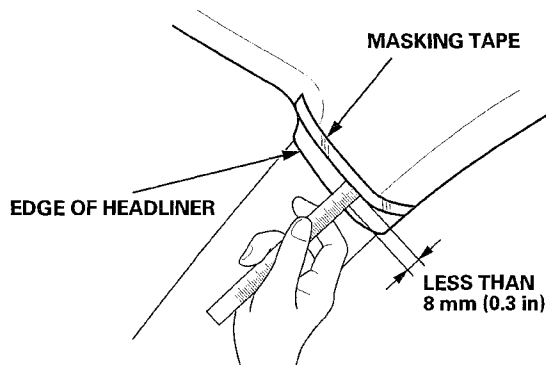
2. Apply masking tape to the headliner to mark the upper edge of each pillar trim.



This illustration shows the A-pillar.

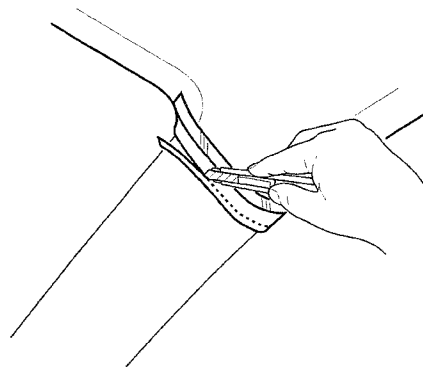
3. Remove the pillar trim, and measure the headliner overlap.

- If the overlap is less than 8 mm (0.3 in), remove the tape, and install the pillar trim.
- If the overlap is more than 8 mm (0.3 in), go to step 4.



This illustration shows the A-pillar.

4. Carefully trim the headliner with a utility knife, reducing the overlap to less than 8 mm (0.3 in).



This illustration shows the A-pillar.

5. Remove the tape, and install the pillar trim.

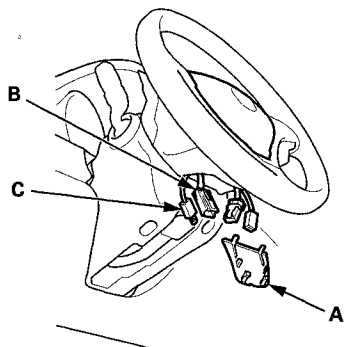


Driver's Airbag Replacement

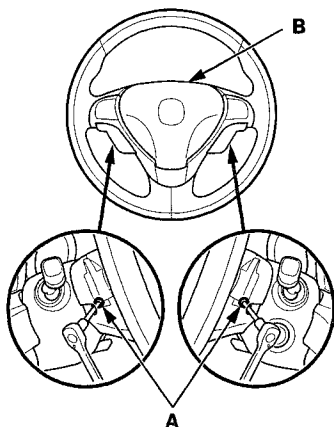
NOTE: If replacing the driver's airbag after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be replaced.

Removal

1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the access panel (A) from the steering wheel, then disconnect the driver's airbag 4P connector (B) from the cable reel 4P connector.



3. Disconnect the horn switch 1P connector (C) from the driver's airbag 1P connector.
4. Remove the two TORX bolts (A) using a TORX T30 bit.



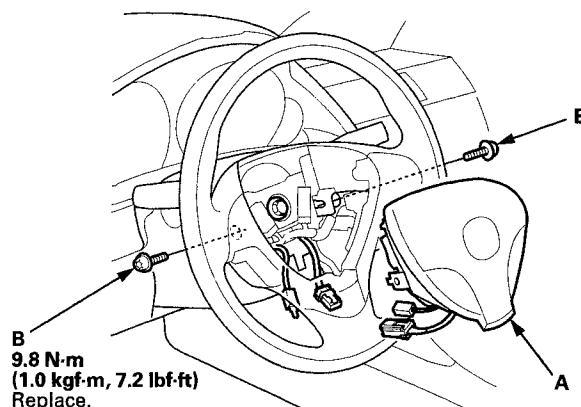
5. Remove the driver's airbag (B).

Installation

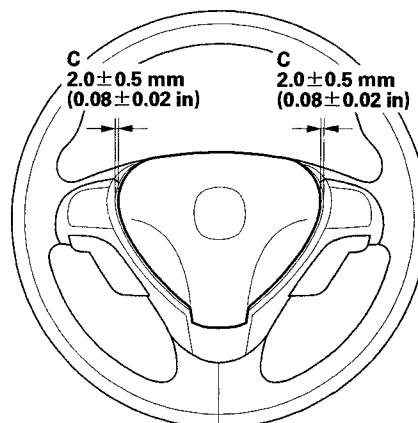
NOTE: If you are replacing a deployed airbag, inspect the cable reel for heat damage. If there is any damage, replace the cable reel.

1. Place the driver's airbag (A) in the steering wheel, and secure it with new TORX bolts (B), using a TORX T30 bit.

NOTE: Make sure the clearance (C) between the steering wheel and horn pad is the specified value.



B
9.8 N·m
(1.0 kgf·m, 7.2 lbf·ft)
Replace.

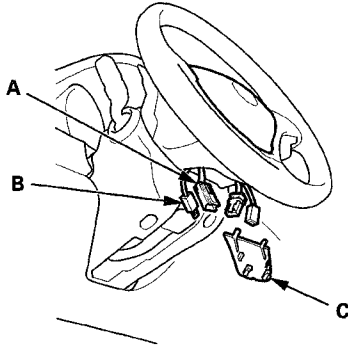


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SRS (Supplemental Restraint System)

Driver's Airbag Replacement (cont'd)

2. Connect the driver's airbag 4P connector (A) and horn switch 1P connector (B), then install the access panel (C) on the steering wheel.



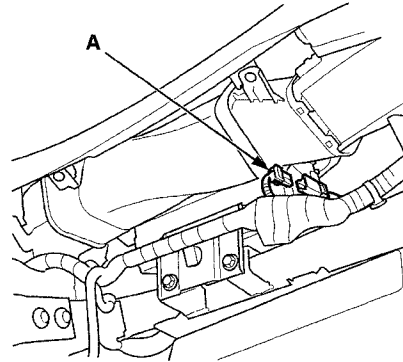
3. Do the battery terminal reconnection procedure (see page 22-86).
4. Clear any DTCs with the HDS (see page 24-25).
5. After installing the driver's airbag, confirm proper system operation:
 - Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
 - Make sure the horn work properly.

Front Passenger's Airbag Replacement

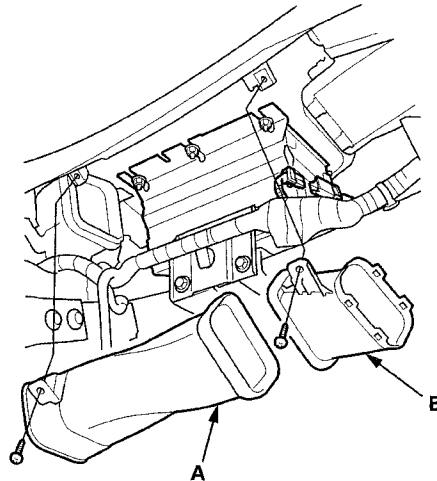
NOTE: If replacing the front passenger's airbag after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be replaced.

Removal

1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the glove box (see page 20-123).
3. Disconnect the dashboard wire harness 4P connector (A) from front passenger's airbag 4P connector.

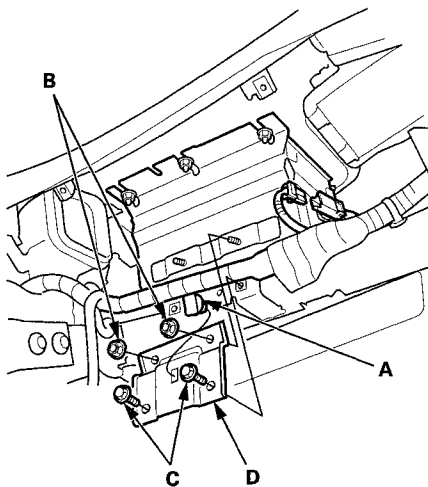


4. Remove the screws, then remove the passenger's dashboard ducts (A, B).

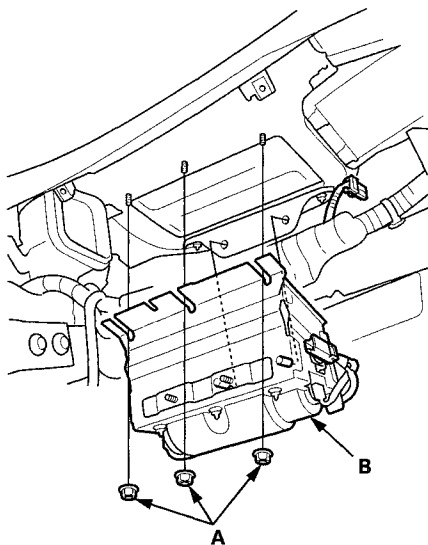




5. Detach the clip (A), then remove the mounting nuts (B) and the mounting bolts (C) from the bracket (D).

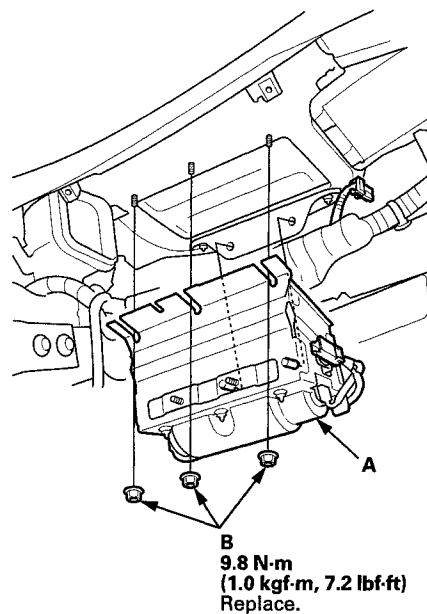


6. Remove the mounting nuts (A) from the front passenger's airbag (B), then remove the front passenger's airbag.

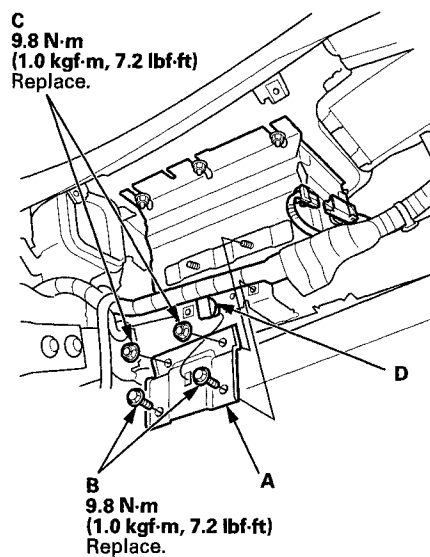


Installation

1. Place the front passenger's airbag (A) into the bracket. Tighten the front passenger's airbag new mounting nuts (B).



2. Install the bracket (A) with the new mounting bolts (B) and the new mounting nuts (C), then install the clip (D).



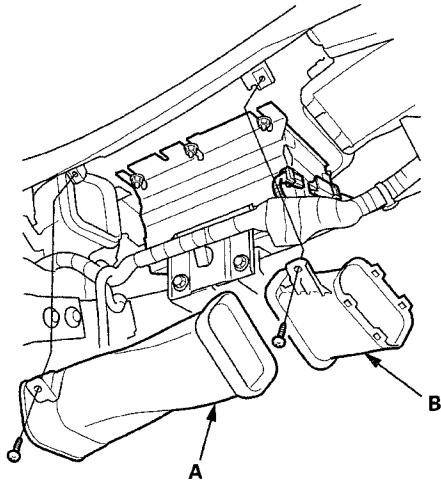
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SRS (Supplemental Restraint System)

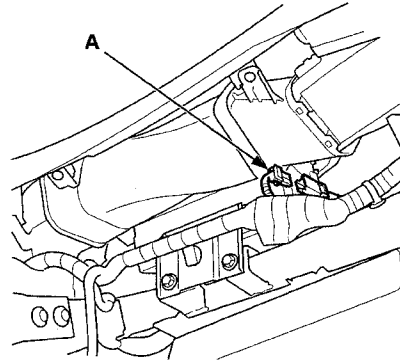
Front Passenger's Airbag Replacement (cont'd)

3. Install the passenger's dashboard ducts (A, B) with the screws.

NOTE: Make sure the passenger's dashboard ducts are connected securely.



4. Connect the dashboard wire harness 4P connector (A) to the front passenger's airbag 4P connector, then reinstall the glove box (see page 20-123).



5. Do the battery terminal reconnection procedure (see page 22-86).
6. Clear any DTCs with the HDS (see page 24-25).
7. After installing the front passenger's airbag, confirm proper system operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.

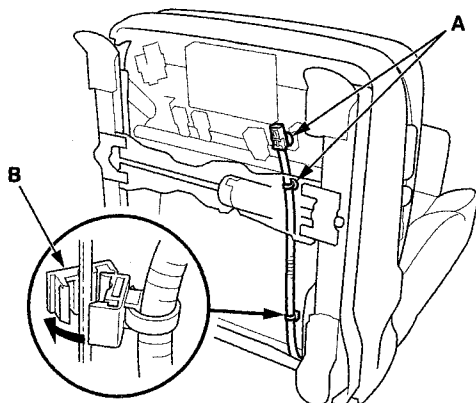


Side Airbag Replacement

NOTE: If replacing the side airbag after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be replaced.

Removal

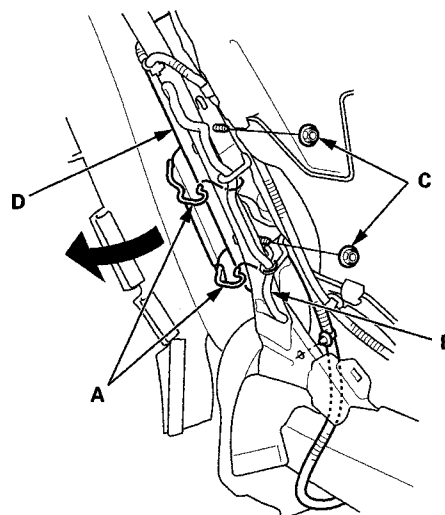
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the front seat (see page 20-139).
3. Detach the clips (A) and harness holder (B) of side airbag harness from the seat cushion frame.



4. Remove the front seat back panel (see step 3 on page 20-148).

5. Turn over the seat-back cover/pad as needed (see step 7 on page 20-149).

6. Release the airbag attachment wire B (A) from the seat-back frame (B).



7. Remove the two mounting nuts (C) and the side airbag (D).

(cont'd)

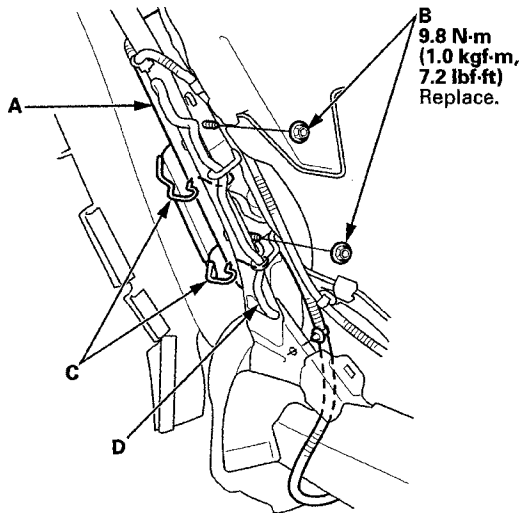
SRS (Supplemental Restraint System)

Side Airbag Replacement (cont'd)

Installation

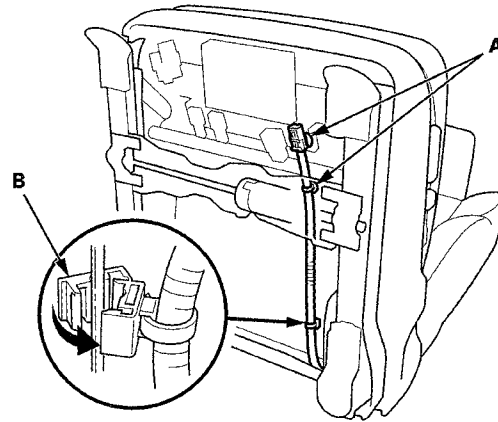
NOTE:

- If the side airbag lid is secured with tape, remove the tape.
 - Do not open the lid on the side airbag cover.
 - Use new mounting nuts tightened to the specified torque.
 - If you are replacing a deployed airbag, replace the attachment wire A and B (see step 14 on page 20-151).
 - Make sure that the seat-back cover/pad is installed properly. Improper installation may prevent proper deployment.
 - Be sure to install the harness so that it is not pinched or interfering with other parts.
1. Place the side airbag (A) on the seat-back frame. Install the two new side airbag mounting nuts (B).



2. Install the airbag attachment wire B (C) in the seat-back frame (D).
3. Reinstall the seat-back cover/pad in the reverse order of removal (see page 20-148).
4. Install the front seat back panel (see step 3 on page 20-148).

5. Install the clips (A) and harness holder (B) of side airbag harness to seat cushion frame.



6. Install the front seat (see page 20-139).
7. Do the battery terminal reconnection procedure (see page 22-86).
8. Move the front seat and the seat-back through their full ranges of movement, making sure the harness are not pinched or interfering with other parts.
9. Clear any DTCs with the HDS (see page 24-25).
10. After installing the side airbag, confirm proper system operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.

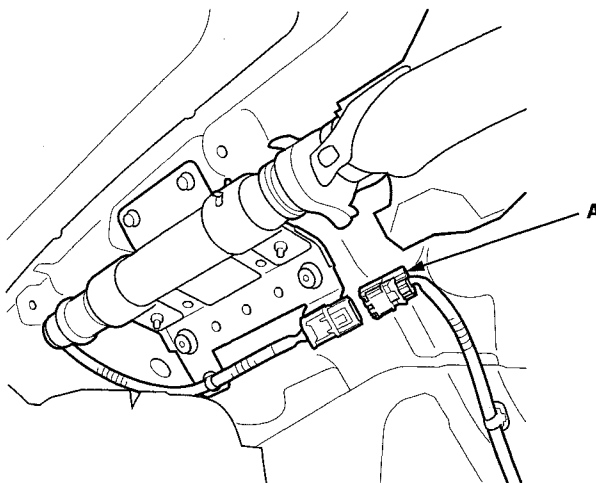


Side Curtain Airbag Replacement

Removal

NOTE:

- If replacing the side curtain airbag after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be replaced.
 - Review the interior trim replacement procedure before doing repair or service (see page 20-80).
 - Removal of the side curtain airbag must be done according to Precaution and Procedures (see page 24-13).
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
 2. Remove the headliner (see page 20-101).
 3. Disconnect the SRS floor wire harness 2P connector (A) from the side curtain airbag 2P connector.



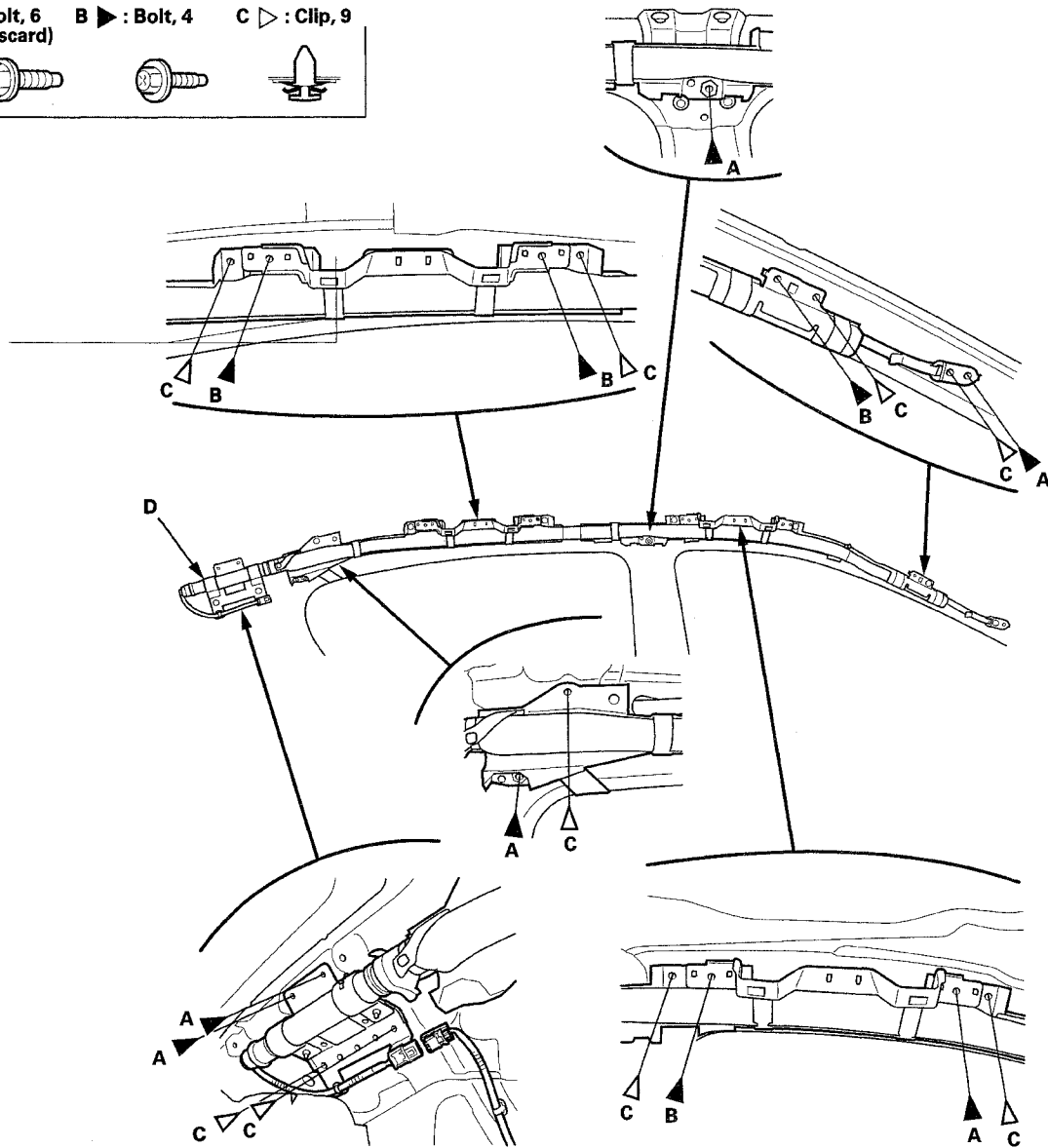
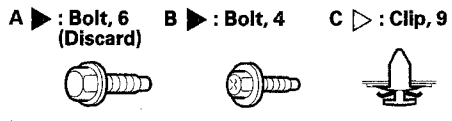
Left side shown; right side is similar.

(cont'd)

SRS (Supplemental Restraint System)

Side Curtain Airbag Replacement (cont'd)

4. Remove the mounting bolts (A) and bolts (B) from the bracket. Detach the clips (C), then remove the side curtain airbag (D).



Left side shown; right side is similar.



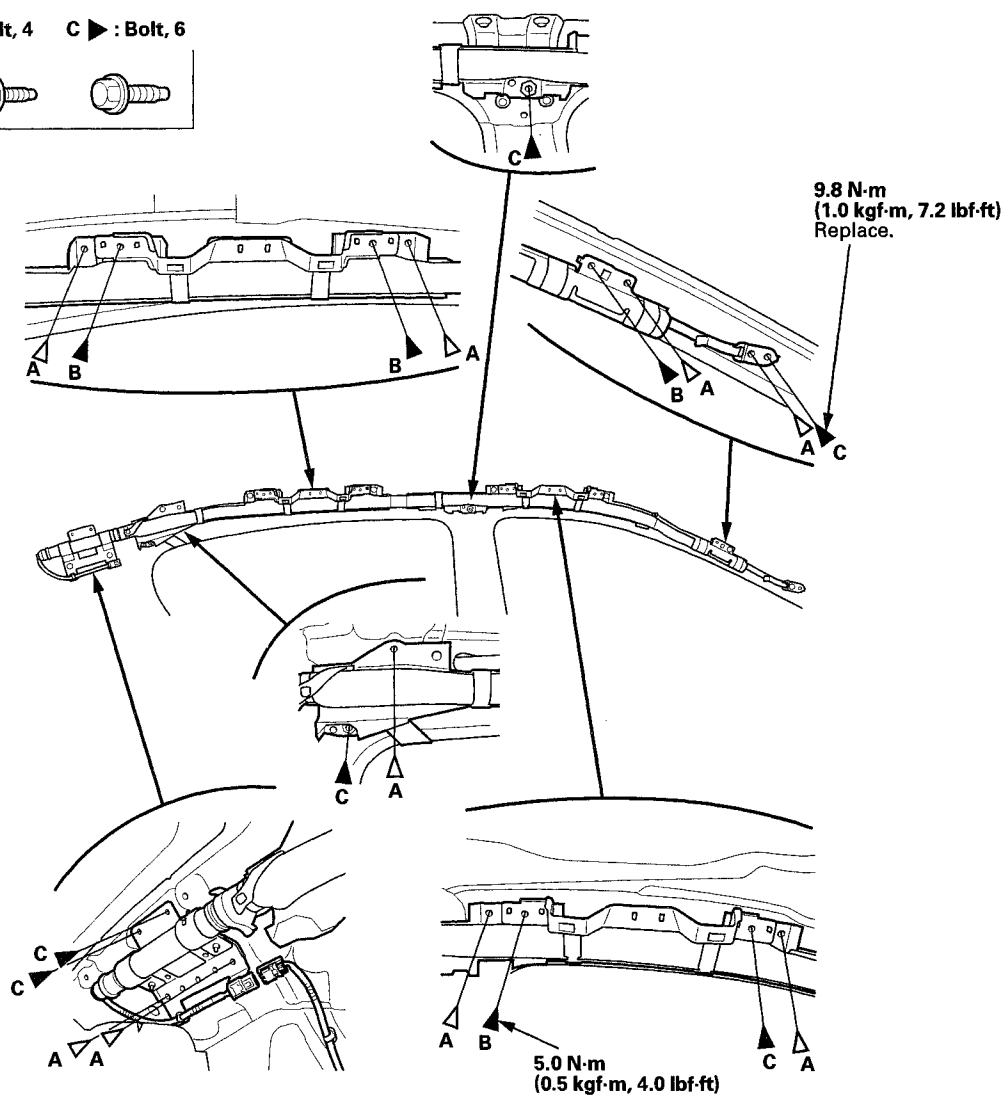
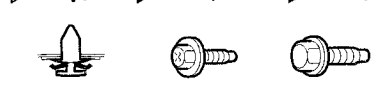
Installation

NOTE:

- If replacing the side curtain airbag after deployment, refer to Component Replacement/Inspection After Deployment (see page 24-154) for a complete list of other parts that must also be be replaced.
- Installation of the side curtain airbag must be done according to precautions and procedures (see page 24-13).
- If the airbag is frayed, or has any 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 incorrectly deploy and cause damage or injuries.
- If there is any damage to the side curtain airbag, do not try to repair it. Replace any damaged side curtain airbag.

1. Place the side curtain airbag assembly on the side of the roof, and fit its clips (A) into the holes in the body. Tighten the side curtain airbag bolts (B) and the bolts (C) to the specified torque.

A ▷ : Clip, 9 B ▷ : Bolt, 4 C ▷ : Bolt, 6



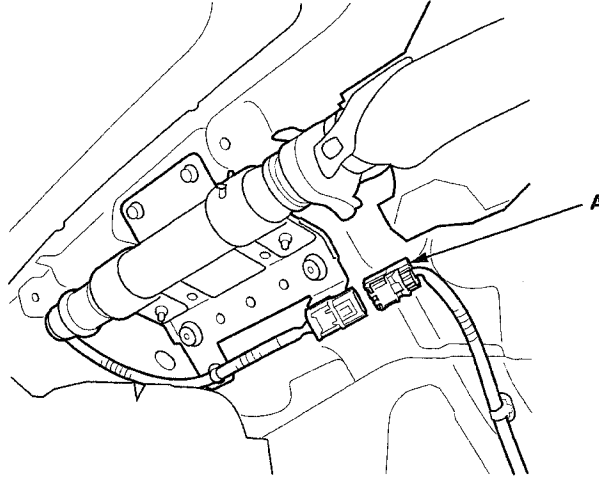
Left side shown; right side is similar.

(cont'd)

SRS (Supplemental Restraint System)

Side Curtain Airbag Replacement (cont'd)

2. Connect the SRS floor wire harness 2P connector (A) to the side curtain airbag 2P connector.



Left side shown; right side is similar.

3. Do the battery terminal reconnection procedure (see page 22-86).
4. Clear any DTCs with the HDS (see page 24-25).
5. After installing the side curtain airbag, confirm proper system operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
6. Install all removed parts in reverse order of removal. If any clips are stress-whitened, replace them with new ones.
7. Confirm proper headliner/pillar trim overlap (see page 24-156).



Airbag and Tensioner Disposal

Special Tools Required

Deployment Tool 07HAZ-SG00500

Before scrapping any airbags, side airbags, side curtain airbags, or seat belt tensioners (including those in a whole vehicle to be scrapped), the part(s) must be deployed. If the vehicle is still within the warranty period, the Acura District Parts and Service Manager must give approval and/or special instruction before deploying the part(s). Only after the part(s) have been deployed (as the result of vehicle collision, for example), can they be scrapped.

If the parts appear intact (not deployed), treat them with extreme caution. Follow this procedure.

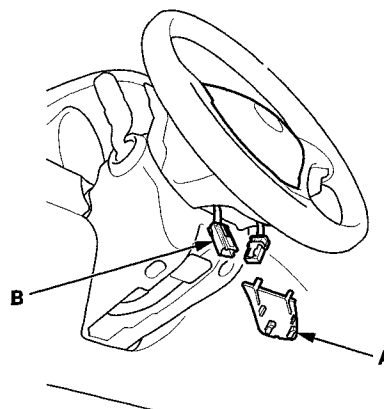
Deploying Airbags in the Vehicle

If an SRS equipped vehicle is to be entirely scrapped, its airbags, side airbags, side curtain airbags, and seat belt tensioners 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 to LOCK (0), or press the engine start/stop button to select the OFF mode. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes.
2. Confirm that each airbag, side airbag, side curtain airbag, or seat belt tensioner is securely mounted.
3. Confirm that the deployment tool is functioning properly by following the check procedure on the tool label.

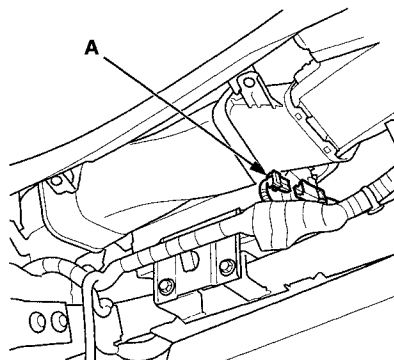
Driver's Airbag

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



Front Passenger's Airbag

5. Remove the glove box (see page 20-123), then disconnect the dashboard wire harness 4P connector (A) from the front passenger's airbag 4P connector.



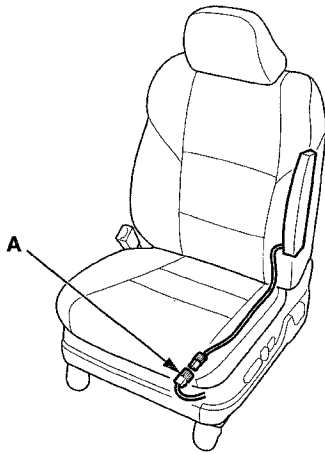
(cont'd)

SRS (Supplemental Restraint System)

Airbag and Tensioner Disposal (cont'd)

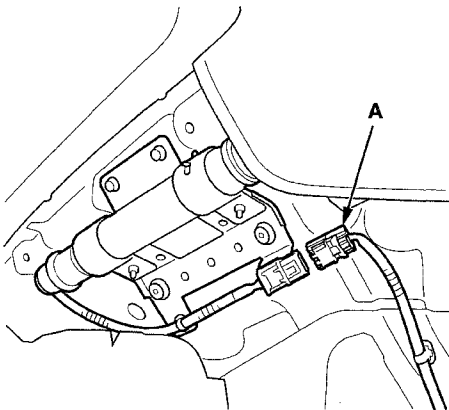
Side Airbag

6. Disconnect the SRS floor wire harness 2P connectors (A) from the driver's and the front passenger's side airbag 2P connectors.



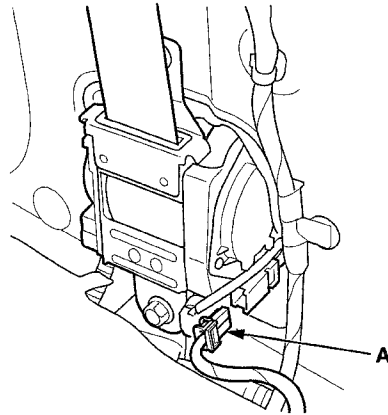
Side Curtain Airbag

7. Remove the C-pillar trim (see page 20-89), then disconnect both SRS floor wire harness 2P connectors (A) from the side curtain airbag 2P connectors.



Seat Belt Tensioner

8. Remove the B-pillar lower trim (see page 20-86), then disconnect both SRS floor wire harness 4P connectors (A) from the seat belt tensioner 4P connectors. Pull the seat belt out all the way and cut it.

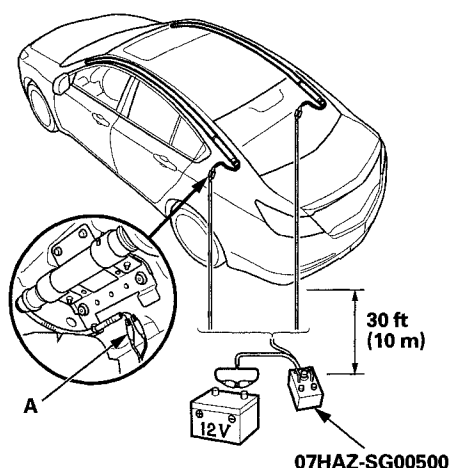
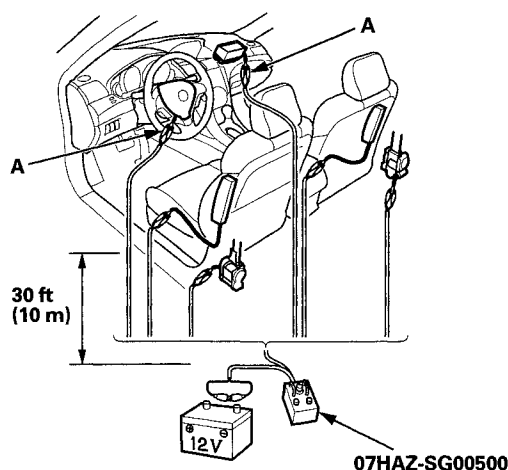




9. Cut off each connector, and strip the ends of the wires. Twist each pair of unlike colored wires together, and clip an alligator clip (A) from the deployment tool to each pair.

NOTE:

- Place the deployment tool at least 30 ft (10 m) away from the vehicle.
- The driver's and front passenger's airbags have dual inflators. Twist each pair of unlike colored wires together, and clip an alligator clip to each pair.



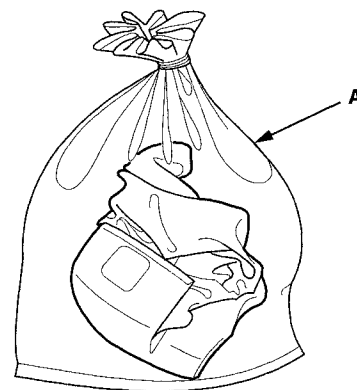
10. Connect a 12 V battery to the tool.

- If the green light on the tool comes on, the igniter circuit is defective and cannot deploy the component. Go to Disposal of Damaged Components.
- If the red light on the tool comes on, the component is ready to be deployed.

11. Push the tool's deployment switch. The airbags and tensioners should deploy (deployment is both highly audible and visible: A loud noise and rapid inflation of the bag, followed by slow deflation).

- If the components deploy and the green light on the tool comes on, continue with this procedure.
- If a component does not deploy, and the green light comes on, its igniter is defective. Go to Disposal of Damaged Components.
- During deployment, the airbags can become hot enough to burn you. Wait for 30 minutes after deployment before touching the airbags.

12. Dispose of the complete airbag. No part of it can be reused. Place it in a sturdy plastic bag (A), and seal it securely. Dispose of the deployed airbag according to your local regulations.



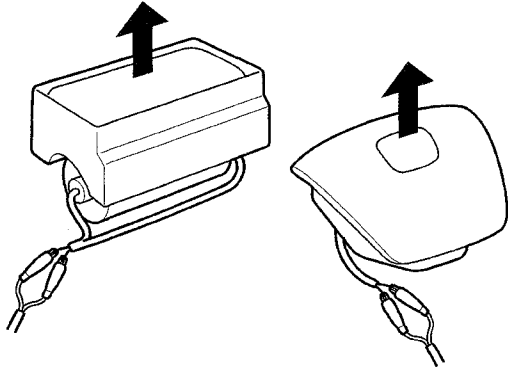
(cont'd)

SRS (Supplemental Restraint System)

Airbag and Tensioner Disposal (cont'd)

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 ft (10 m) 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 24-157), front passenger's airbag (see page 24-158), side airbag (see page 24-161), side curtain airbag (see page 24-163), and front seat belt tensioner (see page 24-4).

2. In all cases, make a short circuit by cutting, stripping, and twisting together the two inflator wires.

NOTE: The driver's and front passenger's airbags have dual inflators. The like color wires go to the individual inflators. Twist the like colored wires together.

3. Package the component in exactly the same packaging that the new replacement part came in.
4. Mark the outside of the box **DAMAGED AIRBAG NOT DEPLOYED, DAMAGED SIDE AIRBAG NOT DEPLOYED, DAMAGED SIDE CURTAIN AIRBAG NOT DEPLOYED, or DAMAGED SEAT BELT TENSIONER NOT DEPLOYED** so it does not get confused with your parts stock.
5. Contact your Acura District Parts and Service Manager for instructions on how and where to return it for disposal.

Deployment Tool Check

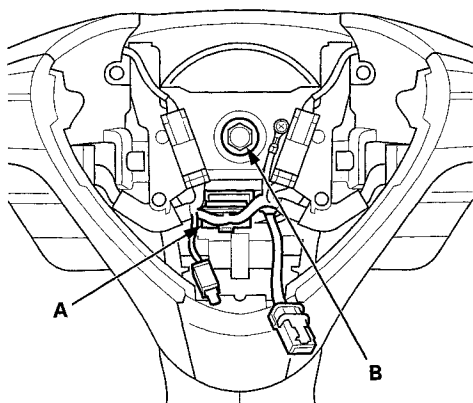
1. Connect the yellow clips to both switch protector handles on the tool.
2. Then connect the red lead to the positive battery post and the black lead to the negative battery post.
3. Push the operation switch: The green light should come on, indicating that the tool is operating properly and is ready for use. If the red light stays on, the tool is faulty, and another one must be used for the procedure.
4. Disconnect the tool clips and connectors from the protector handles and the battery.



Cable Reel Replacement

Removal

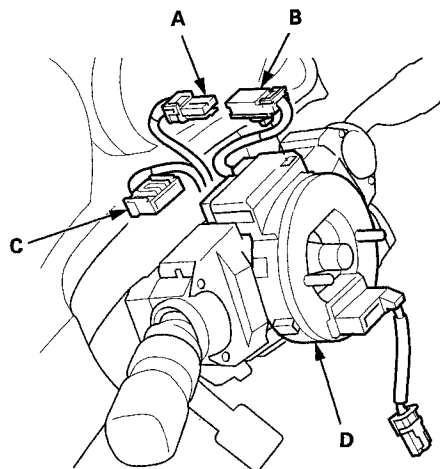
1. Make sure the front wheels are aligned straight ahead.
2. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes.
3. Remove the driver's airbag (see page 24-157).
4. Disconnect the cable reel subharness 20P connector (A) from the cable reel, then remove the steering wheel bolt (B).



5. Confirm that the front wheels point straight ahead, then remove the steering wheel with a steering wheel puller (see page 17-6).

Do not tap on the steering wheel or steering column shaft when removing the steering wheel.

6. Remove the upper and lower column covers (see page 20-126).
7. Disconnect the dashboard wire harness 4P connector (A) from the cable reel 4P connector (B), then disconnect the dashboard wire harness 20P connector (C) from the cable reel (D).

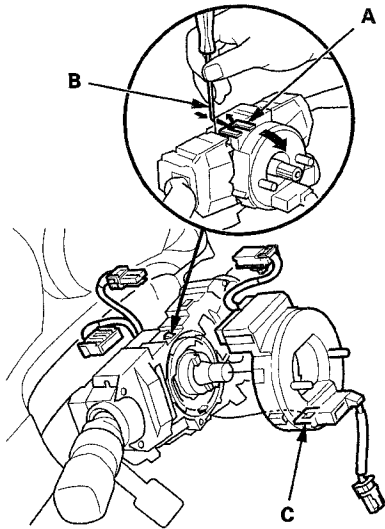


(cont'd)

SRS (Supplemental Restraint System)

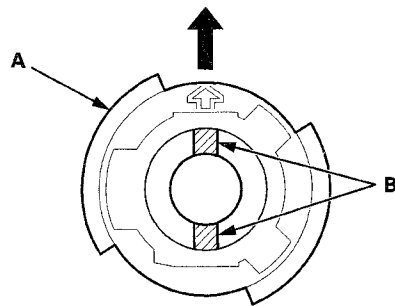
Cable Reel Replacement (cont'd)

8. Release the lock tab (A) under the cable reel connector with a 90 ° hook shaped tool (B). Slide the tool below the cable reel connector just above the lock tab. Release the lower lock tab (C), and slide the cable reel off the column.

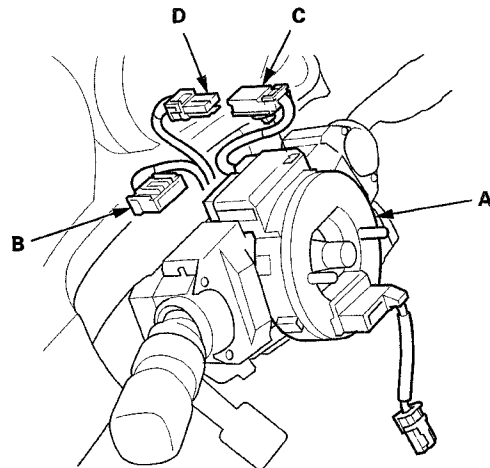


Installation

1. Before installing the steering wheel, make sure the front wheels are aligned straight ahead.
2. If not already done, disconnect the negative cable from the battery, then wait at least 3 minutes.
3. Set the turn signal canceling sleeve (A) so that the projections (B) are aligned vertically.



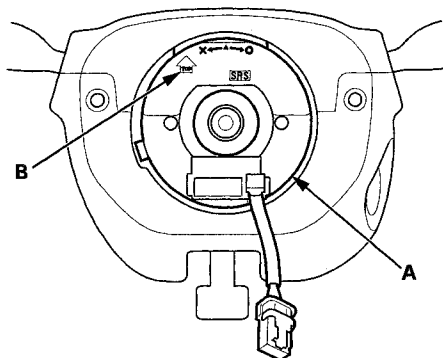
4. Carefully install the cable reel (A) on the steering column shaft. Then connect the dashboard wire harness 20P connector (B) to the cable reel, and connect the cable reel 4P connector (C) to the dashboard wire harness 4P connector (D).



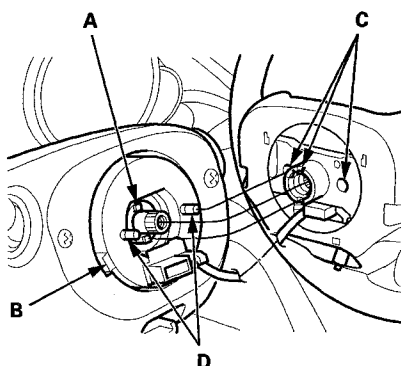


5. Install the upper and lower column covers (see page 20-126).

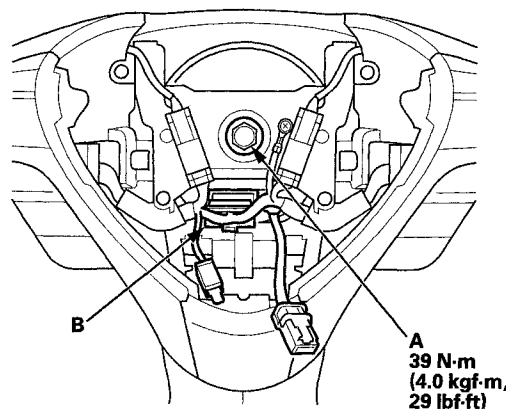
6. Before installing the steering wheel, make sure the front wheels are pointing ahead, then center the cable reel (A). Do this by first rotating the cable reel clockwise until it stops. Then rotate it counterclockwise (about three turns) until the arrow mark (B) on the cable reel label points straight 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 the steering wheel bolt (A), and tighten it to the specified torque, then connect the cable reel subharness 20P connector (B).



9. Install the driver's airbag (see page 24-157).

10. Do the battery terminal reconnection procedure (see page 22-86).

11. Clear any DTCs with the HDS (see page 24-25).

12. After installing the cable reel, confirm proper system operation:

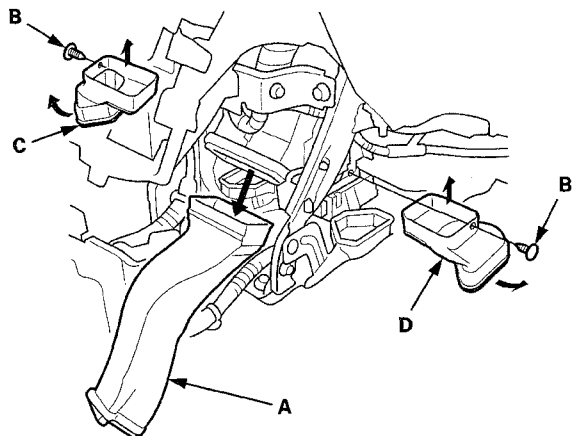
- Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
- After the SRS indicator has turned off, turn the steering wheel fully left and right to confirm the SRS indicator does not come on.
- Make sure the horn and turn signal switches work properly.
- Make sure the steering wheel switches work properly.

SRS (Supplemental Restraint System)

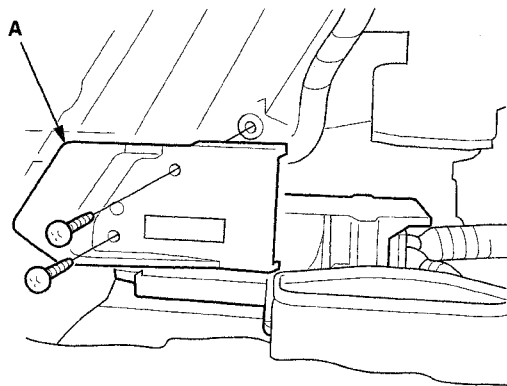
SRS Unit Replacement

Removal

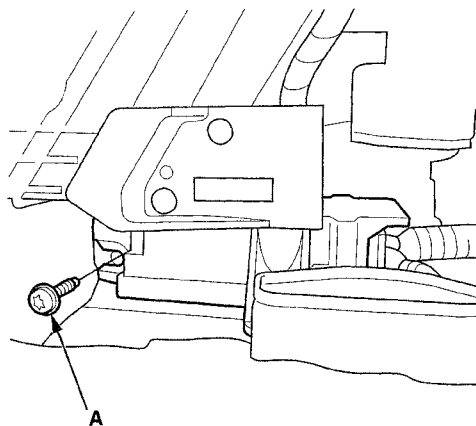
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the center console (see page 20-109).
3. Pull down on the center heater joint duct (A) to remove it.



4. Remove the clips (B), then remove the left and right heater ducts (C, D).
5. Remove the two screws from the driver's side center console clip bracket (A), then remove the bracket.

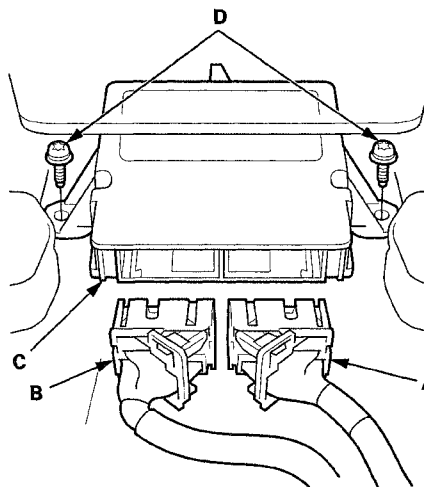


6. Remove the TORX bolt (A) using a TORX T30 bit.



7. Disconnect SRS unit connectors A (39P) and B (39P) from the SRS unit (C).

NOTE: The SRS unit connectors have lever locks. Release the locks before disconnecting the connectors (see page 24-18).



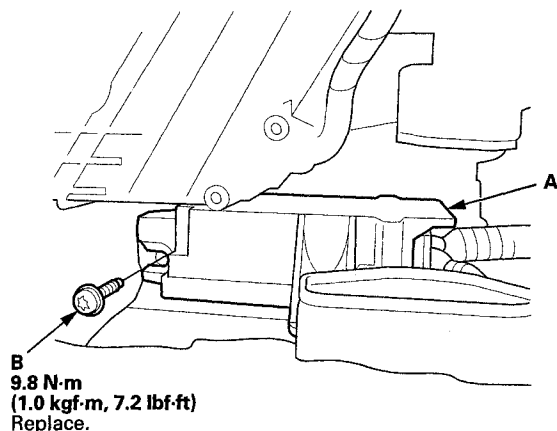
8. Remove the TORX bolts (D) using a TORX T30 bit, then remove the SRS unit from the driver's side.



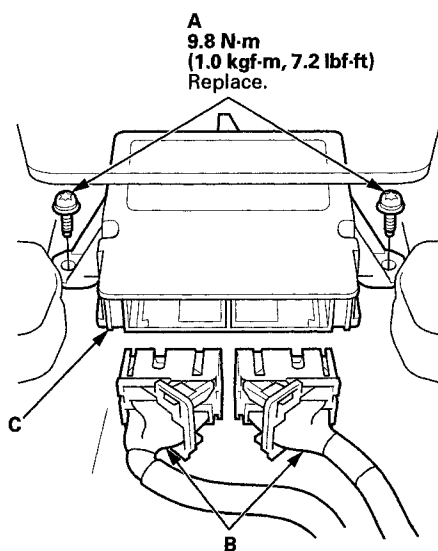
Installation

1. Install the SRS unit (A) with a new TORX bolt (B) using a TORX T30 bit.

NOTE: Be sure the SRS unit is sitting squarely against its bracket before torquing the TORX bolt.

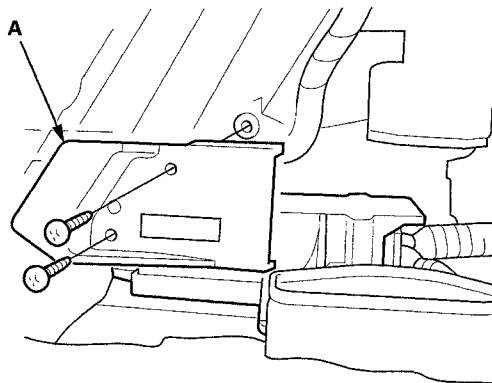


2. Install the new TORX bolts (A) using a TORX T30 bit.

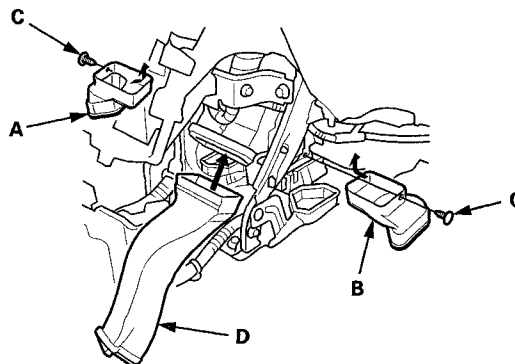


3. Connect the SRS connectors (B) to the SRS unit (C); push them into position until they click and the lever locks are fully secured (see page 24-18).

4. Install the driver's side center console clip bracket (A) with two screws.



5. Install the left and right heater joint ducts (A, B), then install the clips (C).



6. Install the center heater joint duct (D).

7. Do the battery terminal reconnection procedure (see page 22-86).

8. Make sure the SRS unit has the latest software. If it does not have the latest, update the software in the SRS unit (see page 24-26).

9. Do the ODS unit initialization (see page 24-27).

10. Check the operation of the ODS unit with the HDS (see page 24-28).

11. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.

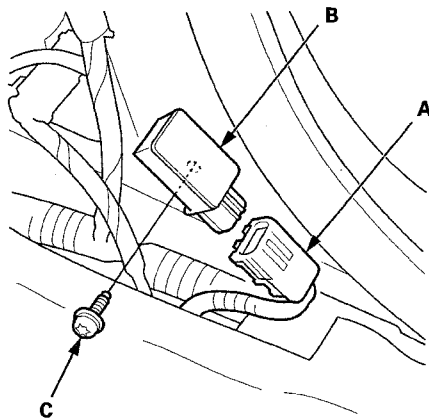
12. Reinstall all removed parts.

SRS (Supplemental Restraint System)

Side Impact Sensor (First) Replacement

Removal

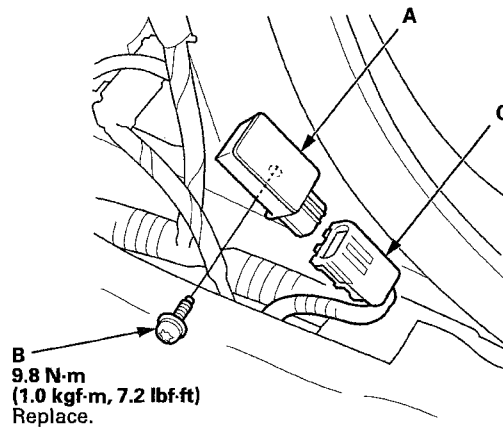
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the B-pillar lower trim (see page 20-86).
3. Disconnect the SRS floor wire harness 2P connector (A) from the side impact sensor (first) (B).



4. Remove the TORX bolt (C) using a TORX T30 bit, then remove the side impact sensor (first).

Installation

1. Install the side impact sensor (first) (A) with a new TORX bolt (B) using a TORX T30 bit. Connect the SRS floor wire harness 2P connector (C) to the side impact sensor (first).



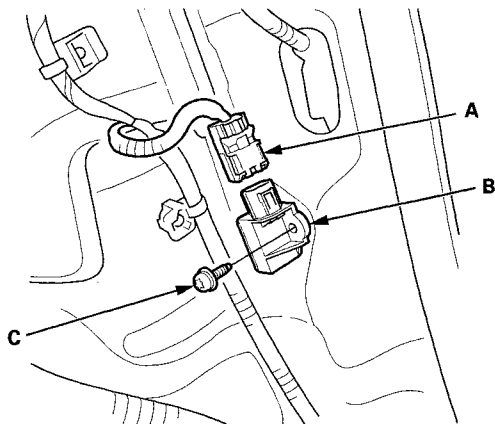
2. Do the battery terminal reconnection procedure (see page 22-86).
3. Clear any DTCs with the HDS (see page 24-25).
4. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
5. Reinstall all removed parts.



Side Impact Sensor (Second) Replacement

Removal

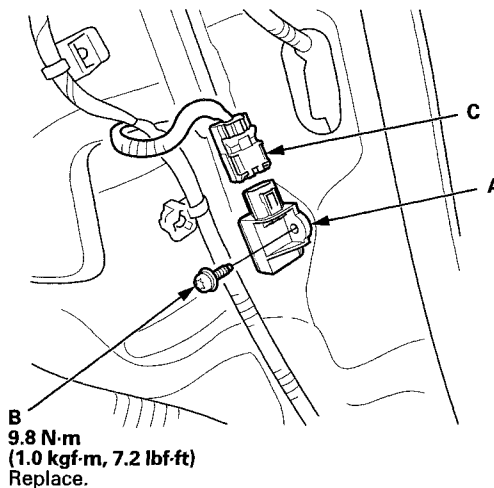
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the rear seat (see page 20-156).
3. Disconnect the SRS floor wire harness 2P connector (A) from the side impact sensor (second) (B).



4. Remove the TORX bolt (C) using a TORX T30 bit, then remove the side impact sensor (second).

Installation

1. Install the side impact sensor (second) (A) with a new TORX bolt (B) using a TORX T30 bit. Connect the SRS floor wire harness 2P connector (C) to the side impact sensor (second).



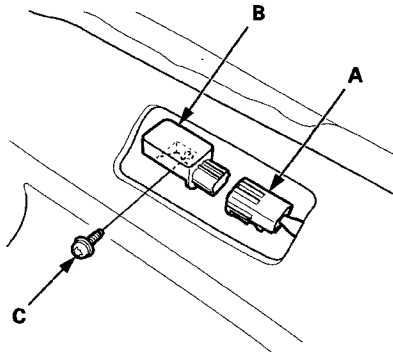
2. Do the battery terminal reconnection procedure (see page 22-86).
3. Clear any DTCs with the HDS (see page 24-25).
4. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
5. Reinstall all removed parts.

SRS (Supplemental Restraint System)

Rear Safing Sensor Replacement

Removal

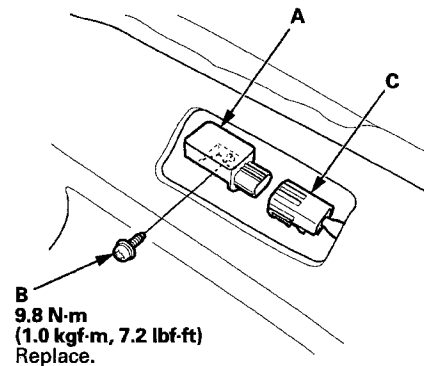
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the rear seat cushion (see page 20-163).
3. Disconnect the SRS floor wire harness 4P connector (A) from the rear safing sensor (B).



4. Remove the TORX bolt (C) using a TORX T30 bit, then remove the rear safing sensor.

Installation

1. Install the rear safing sensor (A) with a new TORX bolt (B) using a TORX T30 bit. Connect the SRS floor wire harness 4P connector (C) to the rear safing sensor.



2. Do the battery terminal reconnection procedure (see page 22-86).
3. Clear any DTCs with the HDS (see page 24-25).
4. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
5. Reinstall all removed parts.



Front Passenger's Weight Sensor Replacement

Removal

NOTE:

- Removal of the front passenger's weight sensors must be done according to Precautions and Procedures (see page 24-13).
 - The front passenger's weight sensors is part of the seat frame and must be replaced as a front passenger's seat frame assembly.
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
 2. Remove the front passenger's seat frame/front passenger's weight sensors as an assembly (see page 20-146).

Installation

NOTE:

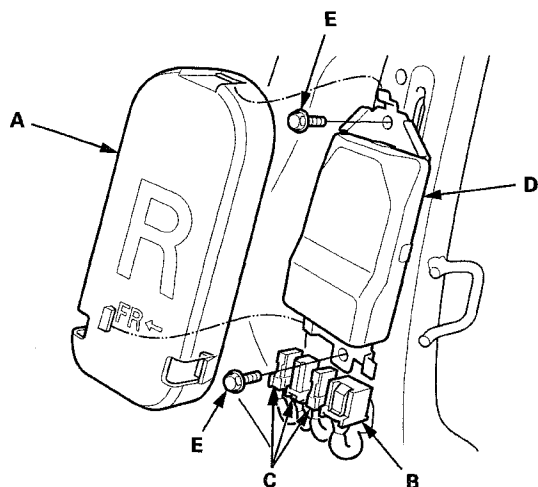
- Be sure to install the harness wires so they are not pinched or interfering with other parts.
 - The front passenger's weight sensor are part of the seat frame and must be replaced as a front passenger's seat frame assembly.
1. Install the removed parts to the new the front passenger's seat frame/front passenger's weight sensors as an assembly (see page 20-146).
 2. Do the battery terminal reconnection procedure (see page 22-86).
 3. Clear any DTCs with the HDS (see page 24-25).
 4. Do the front passenger's weight sensor initialization (see page 24-27).
 5. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.

SRS (Supplemental Restraint System)

ODS Unit Replacement

Removal

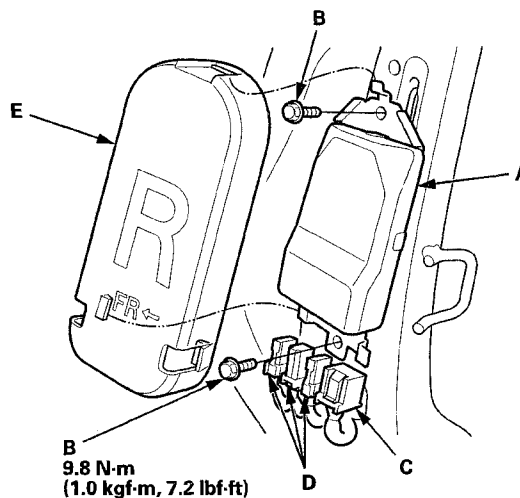
1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the front passenger's seat (see page 20-139).
3. Remove the front seat back panel (see step 3 on page 20-148).
4. Turn over the seat-back cover/pad as needed (see step 7 on page 20-149).
5. Remove the cover (A), then disconnect the front passenger's seat wire harness 18P connector (B) and OPDS sensor connectors (C) from the ODS unit (D).



6. Remove the two bolts (E), and the ODS unit.

Installation

1. Place the ODS unit (A) on the seat-back frame. Tighten the two bolts (B), and connect the front passenger's seat wire harness 18P connector (C) and OPDS sensor connectors (D) to the ODS unit. Reinstall the cover (E).



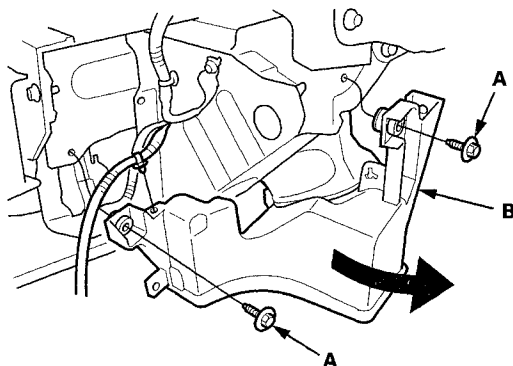
2. Reinstall the seat-back cover/pad in the reverse order of removal (see page 20-148).
3. Reinstall the front seat back panel (see step 3 on page 20-148).
4. Install the front passenger's seat (see page 20-139).
5. Do the battery terminal reconnection procedure (see page 22-86).
6. Set the seat-back in the normal position, and make sure there is nothing on the front passenger's seat.
7. Clear any DTCs with the HDS (see page 24-25).
8. Do the ODS unit initialization (see page 24-27).
9. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.



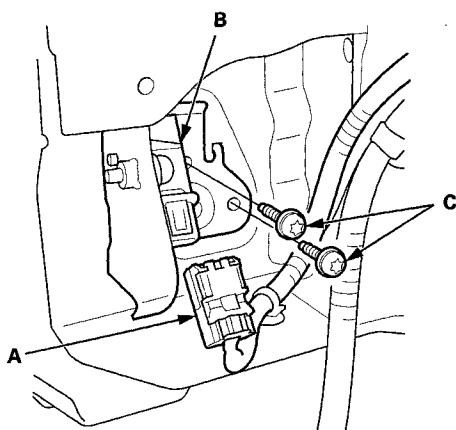
Front Impact Sensor Replacement

Removal

1. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
2. Remove the front bumper (see page 20-164).
3. Left side; remove the bolts (A), then release the intake air resonator (B).



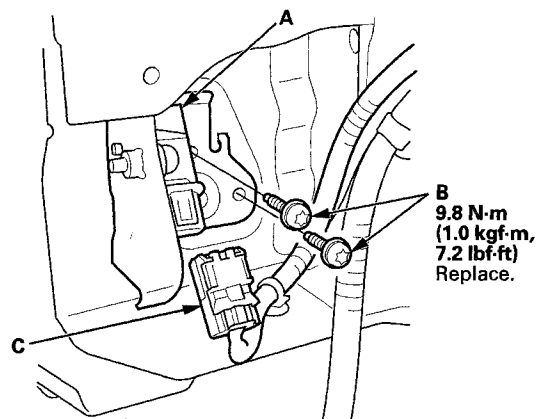
4. Disconnect the left or right engine compartment wire harness 2P connector (A) from the front impact sensor (B).



5. Remove the TORX bolts (C) using a TORX T30 bit, then remove the front impact sensor.

Installation

1. Install the front impact sensor (A) with new TORX bolts (B) using a TORX T30 bit. Connect the left or right engine compartment wire harness 2P connector (C) to the front impact sensor.



2. Do the battery terminal reconnection procedure (see page 22-86).
3. Clear any DTCs with the HDS (see page 24-25).
4. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
5. Reinstall all removed parts.

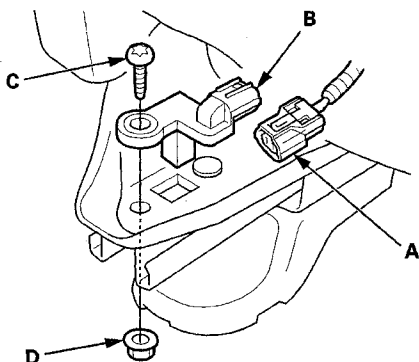
SRS (Supplemental Restraint System)

Driver's Seat Position Sensor Replacement

Removal

NOTE: Do not turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and do not connect the battery cable while removing the driver's seat position sensor.

1. Raise the seat all the way up.
2. Do the battery terminal disconnection procedure (see page 22-86), then wait at least 3 minutes before starting work.
3. Remove the recline cover (see page 20-152).
4. Disconnect the driver's seat wire harness 2P connector (A) from the driver's seat position sensor (B).

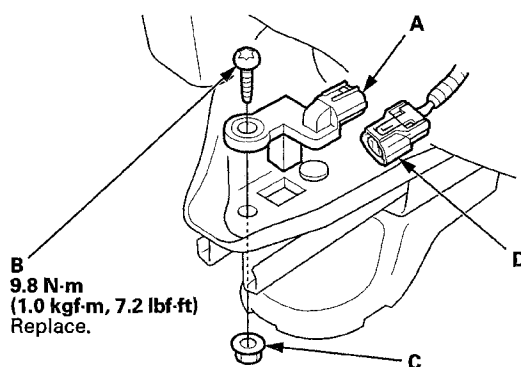


5. Remove the TORX bolt (C) and nut (D) using a TORX T30 bit, then remove the driver's seat position sensor.

Installation

NOTE:

- Be sure to install the harness so it is not pinched or interferes with other parts.
 - Do not turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode, and do not connect the battery cable while installing the driver's seat position sensor.
1. Install the driver's seat position sensor (A) with a new TORX bolts (B) using a TORX T30 bit, and new nut (C).

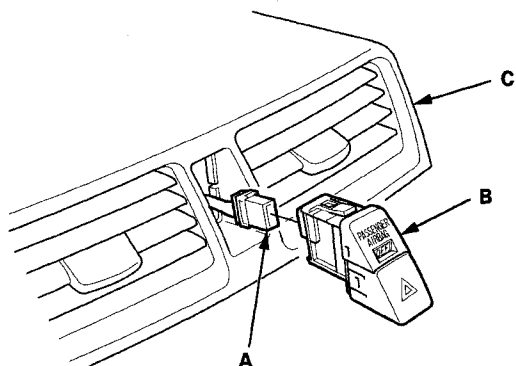


2. Connect the driver's seat wire harness 2P connector (D) to the driver's seat position sensor.
3. Do the battery terminal reconnection procedure (see page 22-86).
4. Clear any DTCs with the HDS (see page 24-25).
5. Check the operation of the driver's seat position sensor with the HDS (see page 24-30).
6. Confirm proper SRS operation: Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode; the SRS indicator should come on for about 6 seconds and then go off.
7. Reinstall all removed parts.



Passenger's Airbag Cutoff Indicator Replacement

1. Remove the dashboard center vent (see page 20-121).
2. Disconnect the 6P connector (A) from the passenger's airbag cutoff indicator/hazard warning switch (B).



3. Push out the passenger's airbag cutoff indicator/hazard warning switch from behind the dashboard center vent (C).
4. Reinstall the parts in the reverse order of removal.