

Classification:

Reference:

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Date:

RS12-004

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June 26, 2012

## 2003 – 2005 G35 SEDAN AND COUPE DTC B1129 OR B1134 SIDE MODULE OPEN

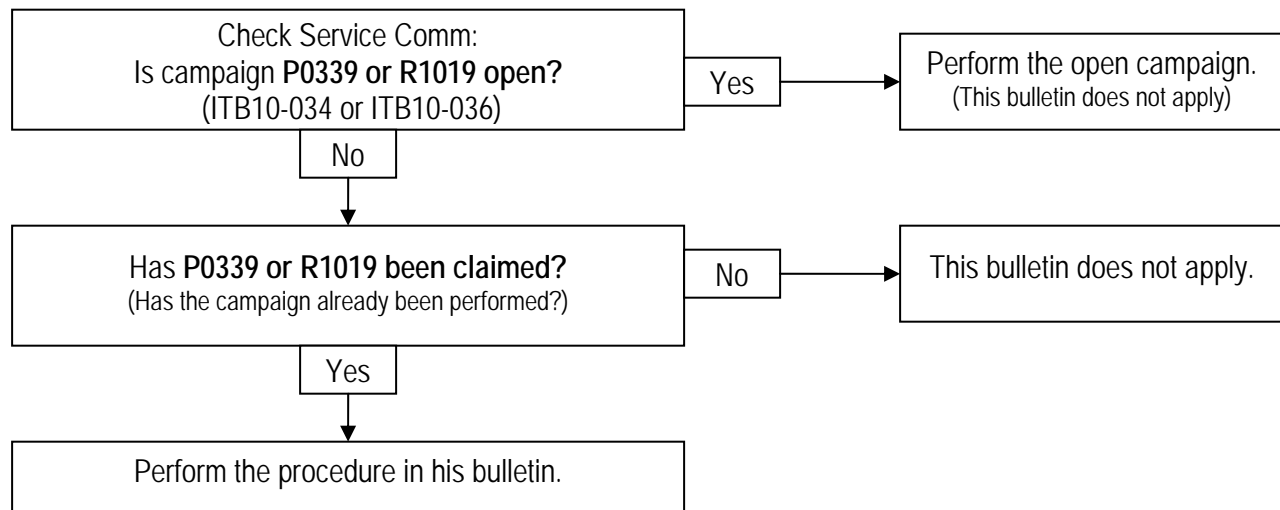
**APPLIED VEHICLES:** 2003 – 2005 G35 Sedan (V35) with power seats  
2003 – 2005 G35 Coupe (CV35)

### IF YOU CONFIRM

DTC B1129 or B1134 (SIDE MODULE RH or LH [OPEN]) is stored in Self Diagnosis Current or Self Diagnosis Past.

**NOTE:** This service bulletin provides updated procedures specifically for vehicles that have been repaired using the methods described in ITB10-034 or ITB10-036 as determined by the following actions:

### ACTIONS



### NOTE:

- A portion of the Service Procedure in campaigns R1019 and P0339 was updated.
- The updated portion involves replacement of the Side Air Bag Connector.
- This bulletin provides the information needed to perform the updated portion of the procedure on vehicles with DTC B1129 or B1134 that were previously campaigned.

**IMPORTANT:** The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire SERVICE PROCEDURE as it contains information that is essential to successfully completing this repair.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti dealer to determine if this applies to your vehicle.

**PARTS INFORMATION**

MODEL	DESCRIPTION	PART #	QTY
G35 Sedan	Connector Replacement Kit (Includes items to replace one SAB connector)	24009 – CM71A	1 per seat
	Clip (Mounting clip type tie-wrap for SAB harness)	24225 – 79900	2 per seat
G35 Coupe	Connector Replacement Kit (Includes items to replace one SAB connector)	24009 – CM71A	2
	Clip (Tie-wrap for SAB harness)	24216 – S5800	6 for 2003-2004
			3 for 2005
	Clip (Mounting clip type tie-wrap for SAB harness)	24225 – 79900	2 for 2005
Tape	24828 – AM00A	Shop Supply	

**CLAIMS INFORMATION**

Submit a (CM) line claim using the following claims coding:

**2003 – 2004 G35 Sedan (V35) - Both front power seats**

DESCRIPTION	OP CODE	FRT
Replace Side Air Bag Connectors (Install Front Seat Side Air Bag Connector Kits – Both Front Seats)	P25110	1.2 hrs

OR

**2003 G35 Sedan (V35) - Driver seat only**

DESCRIPTION	OP CODE	FRT
Replace Side Air Bag Connector (Install Front Seat Side Air Bag Connector Kit – Drivers seat only)	P25111	0.8 hrs

OR

**2003 – 2004 G35 Coupe (CV35)**

DESCRIPTION	OP CODE	FRT
Replace Side Air Bag Connector (Install Front Seat Side Air Bag Connector Kits – Both front seats)	P25112	1.4 hrs

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## REQUIRED SPECIAL TOOL

### Flameless Heat Gun; J-46538

- This tool is considered essential. Each dealer should have this tool in drawer 3 of the Special Tool Storage System (STSS).
- Additional information regarding this tool can be found in NTB03-078.
- Additional tools can be purchased from TECH-MATE at 1-800-662-2001 – option 1.



## SERVICE PROCEDURE

### NOTE:

- This procedure applies to front power seats only.
- Some 2003 G35 Sedans have a manual front passenger seat that is not included in this bulletin.

### Preparation for Side Air Bag Connector Replacement Kit Installation (Sedan and Coupe)

1. Write down all radio station presets.

Presets	1	2	3	4	5	6
AM						
FM-1						
FM-2						
SAT						

2. If equipped, write down / record the following customer settings for the ATC (Automatic Temperature Control) system. (Refer to the Service Manual as needed):
  - Temperature Setting Trimmer
  - Foot Position Setting Trimmer
  - Inlet Port Memory Function
3. Move front seat(s) forward and remove the rear mounting bolts.
4. Move front seat(s) to the full rear position.
5. Adjust the seatback (recline) on front seat(s) to the full forward position.
6. Remove the front mounting bolts for the front seat(s).

### NOTE:

- For most vehicles, both front seats should have the above steps performed before disconnecting the battery cable.
- Some 2003 G35 Sedans have a manual front passenger seat that is not included in this bulletin.

7. Make sure the ignition is OFF and disconnect both battery cables (negative cable first).
8. Wait at least 3 minutes after the battery cables are disconnected.

**IMPORTANT:** Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an airbag.

9. Tip the seat(s) backward as far as possible without overstretching the seat wiring harness.
  - Driver seat shown, passenger seat is similar.

**NOTE:** Use covers as needed to protect seats and other interior surfaces.



Figure 1

## SEDAN: Front Seat (Driver and Passenger Power) Side Air Bag (SAB) Connector Replacement Kit

**IMPORTANT:** Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an airbag.

### NOTE:

- Some 2003 G35 Sedans have a manual front passenger seat that is not included in this bulletin.
- Make sure to perform this procedure on the driver seat and the front passenger power seat.
- Figures 1a through 5a are used for both the driver seat and the front passenger power seat.
- Preparation steps should already have been done (see page 4).

1. Look under the seat and locate the SAB connector (see Figure 1a).
2. Remove / disconnect the SAB connector from the mounting bracket.
  - Disconnect / snap loose the connector mounting clip.
  - Cut / remove the mounting clip type tie-wraps.

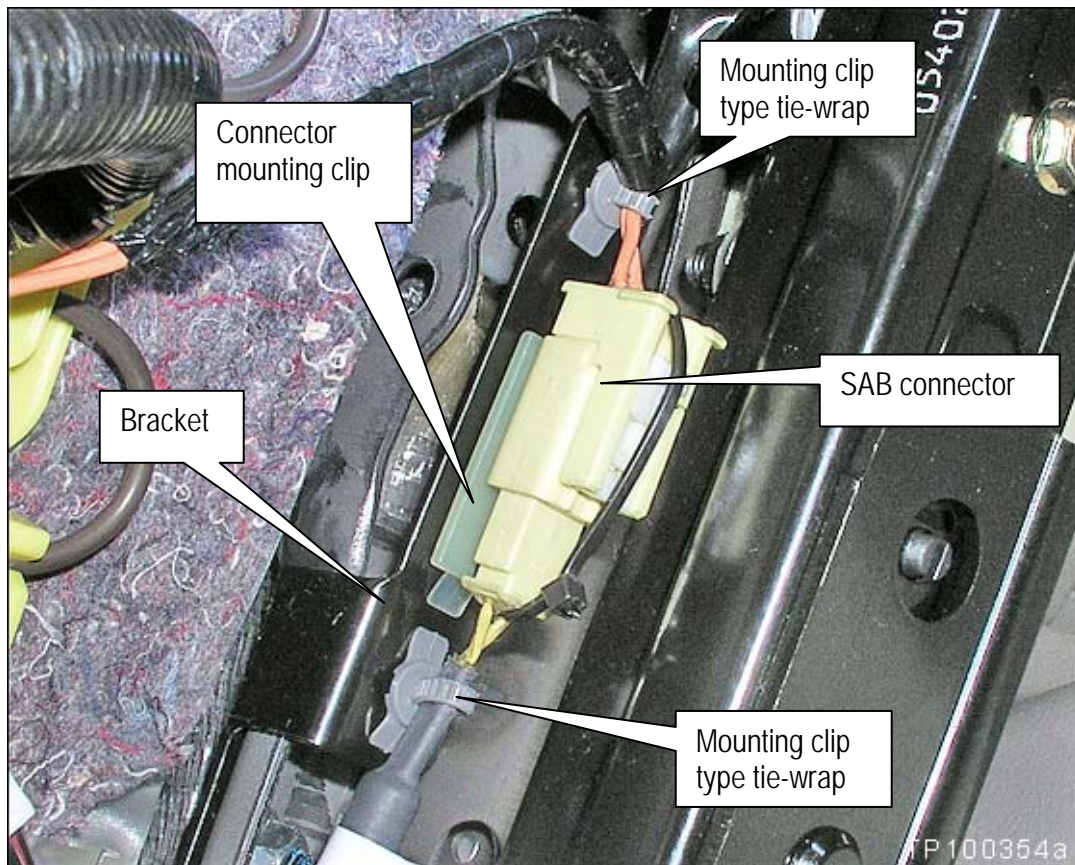


Figure 1a

3. Remove the mounting clip from the SAB connector.

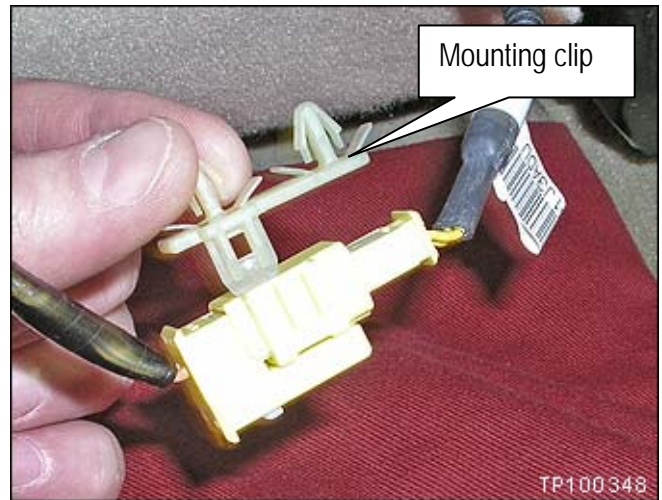


Figure 2a

4. Replace the SAB connector with new connector ends.
  - Refer to Side Air Bag (SAB) Connector Replacement on page 22.
  - Use Connector Replacement Kit P/N 24009-CM71A.

5. Reinstall the connector mounting clip onto the new SAB connector (see Figure 3a).
6. Install 2 new "mounting clip type" tie-wraps as shown in Figure 3a.
  - Pull the tie-wraps tight against the harness.

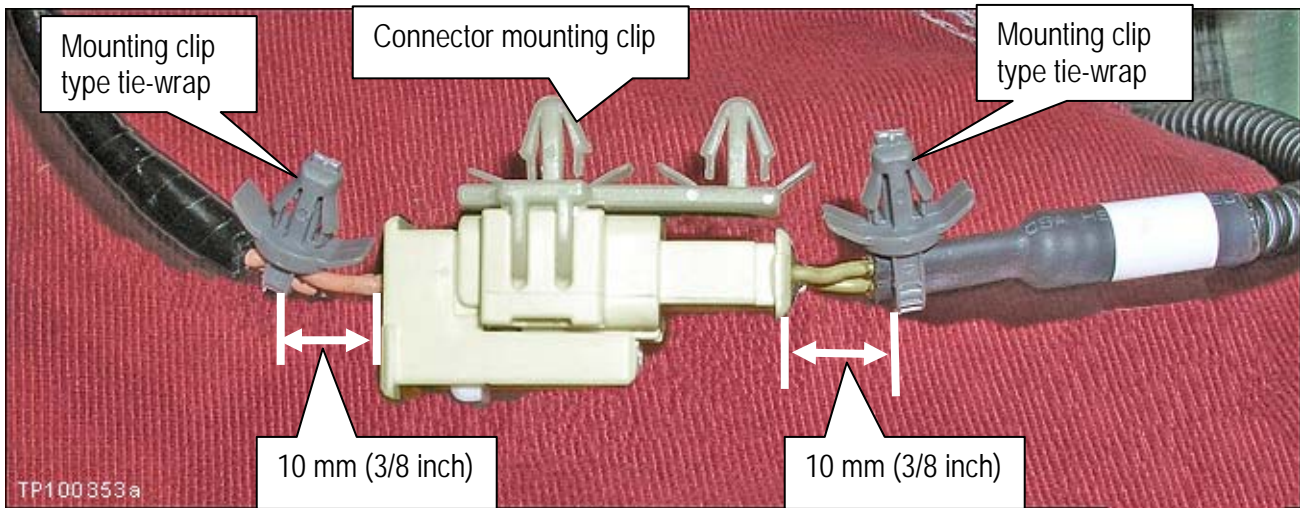


Figure 3a

**NOTE:** Make sure the "mounting clip type" tie-wraps are pulled tight.

- If the tie-wraps are not pulled tight the terminals may move within the connector which may lead to an air bag light ON incident.



Figure 4a

7. Mount the new SAB connector on the bracket as shown in Figure 5a.

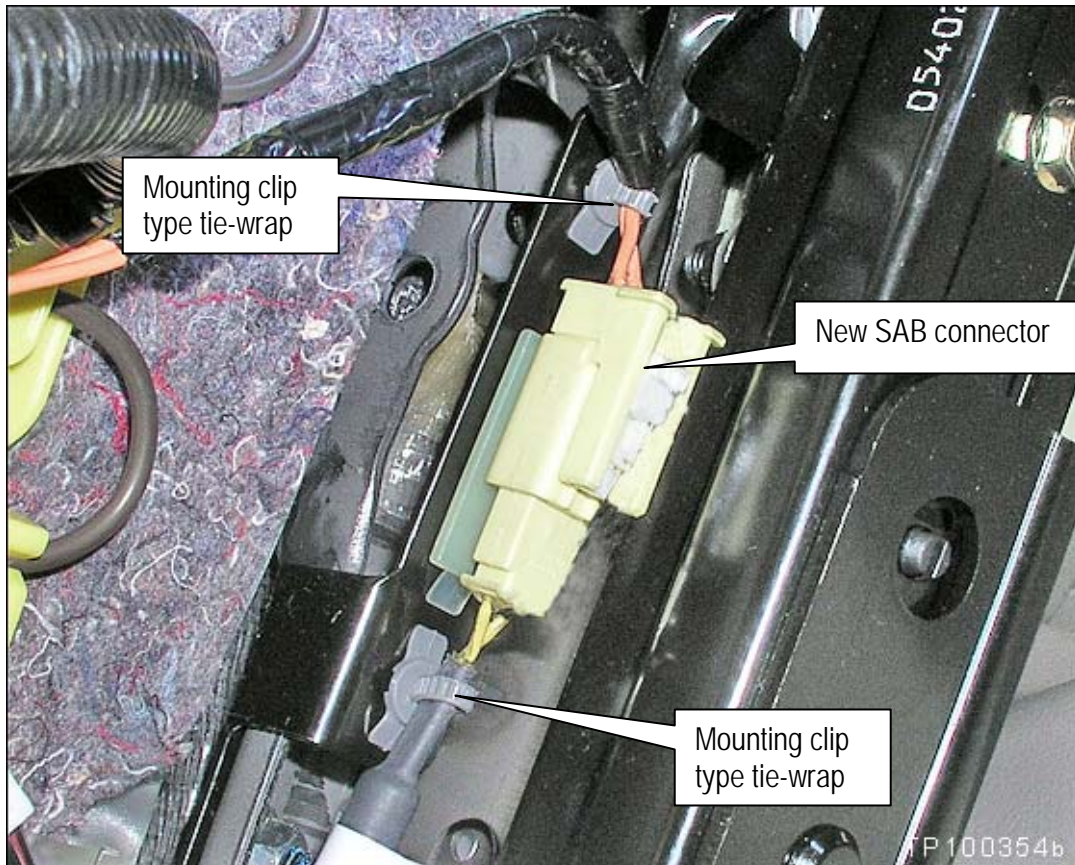


Figure 5a

**NOTE:** Make sure to perform this procedure on the driver seat and the front passenger power seat.

8. After kit installation, reinstall the seat(s) in reverse order.
  - Torque for seat mounting bolts: 49 N•m (5.0 kg-m, 36 ft-lb)
9. Go to "Final Steps After Installation of Side Air Bag Connector Kits" on page 21.

## COUPE (2003-2005): Driver Seat Side Air Bag (SAB) Connector Replacement Kit Installation

**IMPORTANT:** Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an airbag.

**NOTE:** Preparation steps should already have been done (see page 4).

1. Look under the seat and locate the SAB connector (taped to harness). See Figure 1b.

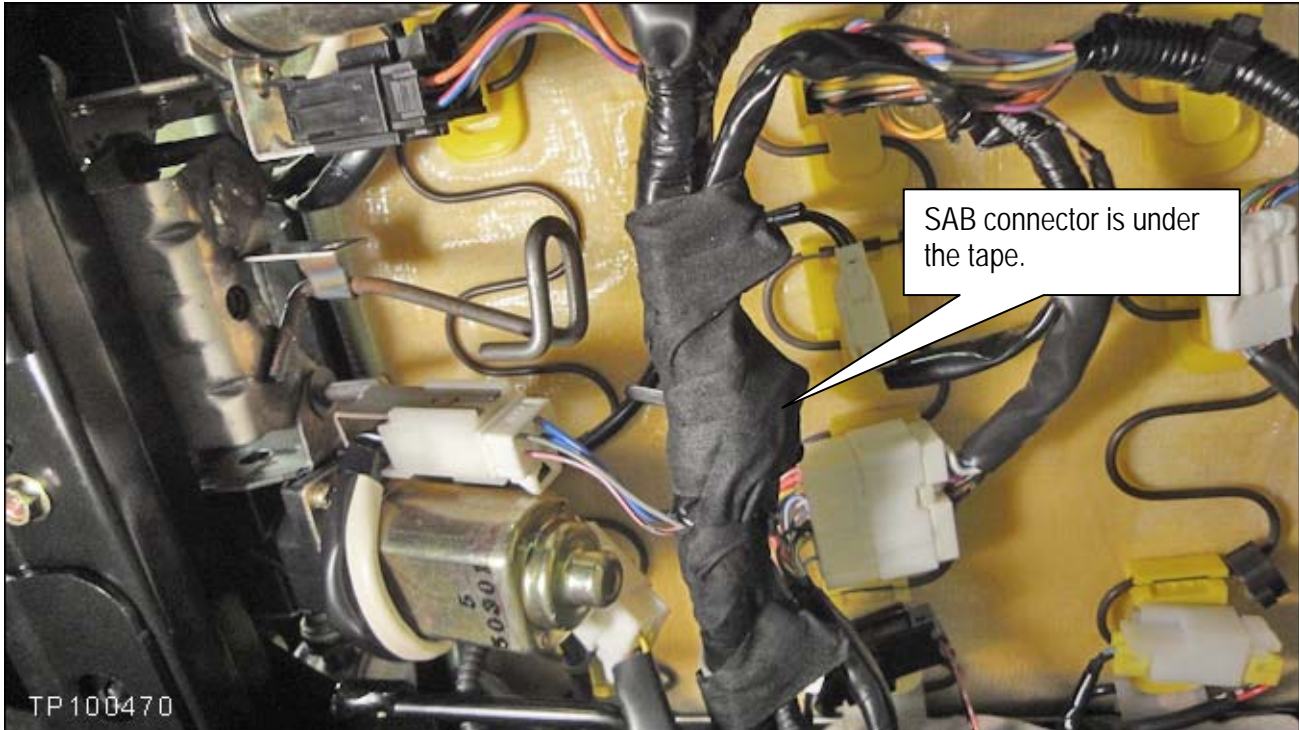


Figure 1b

2. Remove the tape to expose the SAB connector.
3. Cut and remove the 3 tie-wraps shown in Figure 2b.

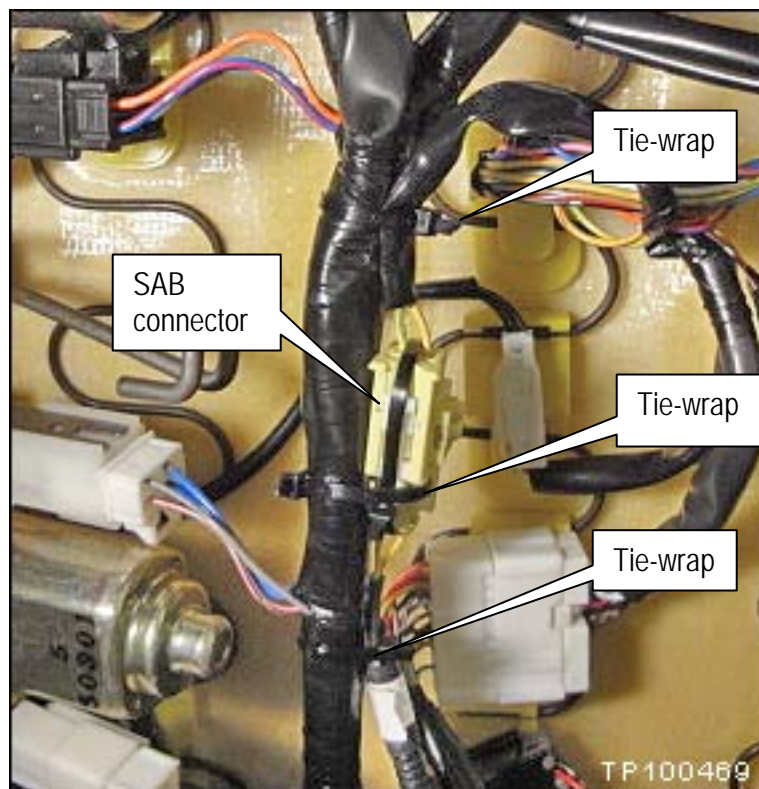


Figure 2b

4. Replace the SAB connector with new connector ends.
  - Refer to Side Air Bag (SAB) Connector Replacement on page 22.
  - Use Connector Replacement Kit P/N 24009-CM71A.

5. Reattach the SAB connector to the seat main harness as follows:

- a. First, use tie-wraps to secure the SAB connector to the main harness (see Figures 3b, 4b and 5b).

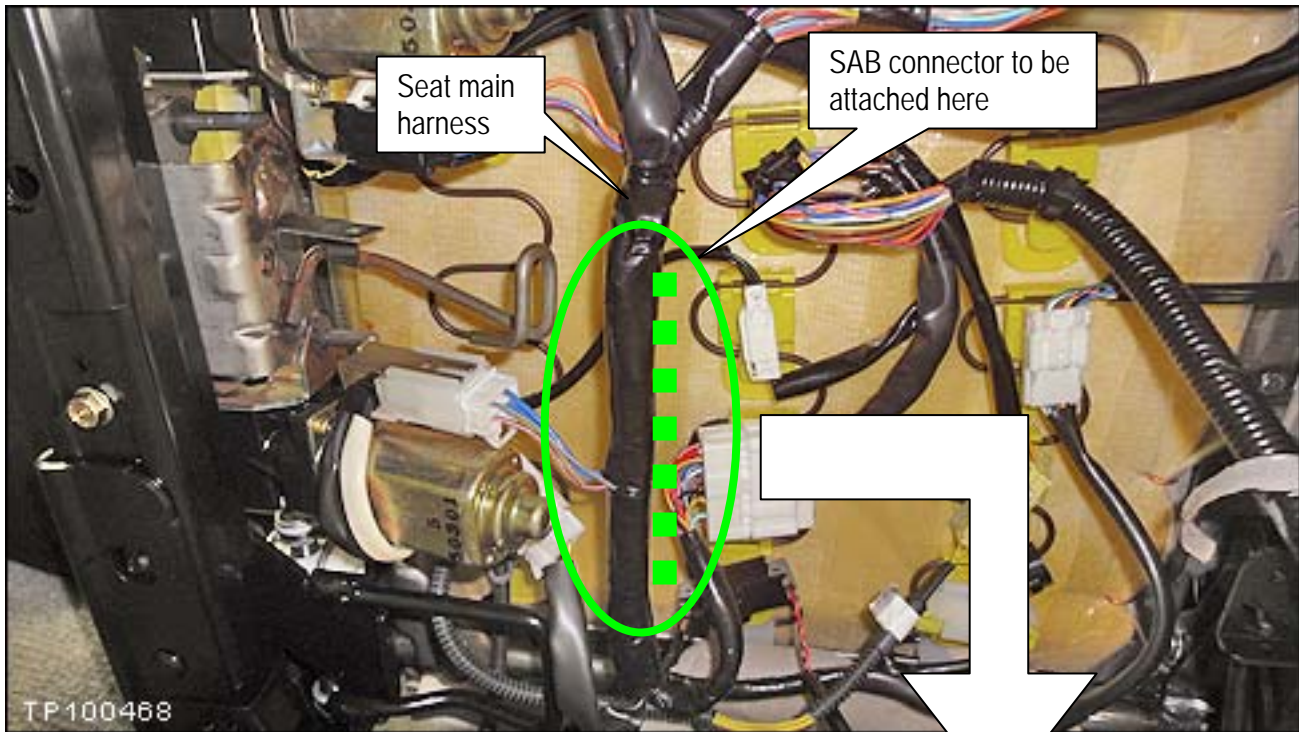


Figure 3b

- Make sure the connector is secured to the side of the harness as shown in Figure 4b.
- One tie-wrap (P/N 24216-S5800) - harness to connector - as shown in Figure 5b.
- Two tie-wraps (P/N 24216-S5800) - harness to harness - 15 mm (9/16 inch) from the connector as shown in Figure 5b.

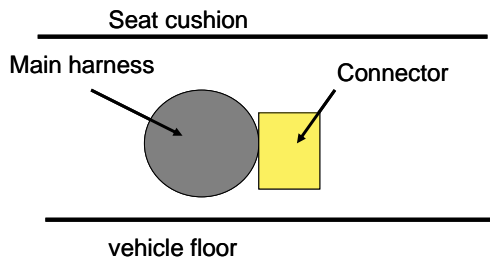


Figure 4b

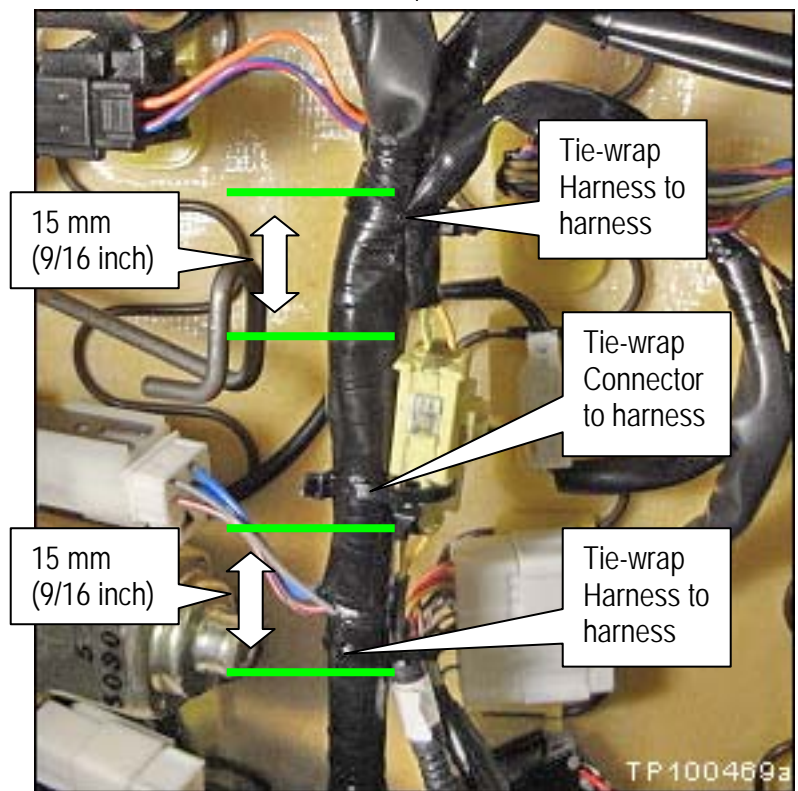


Figure 5b

- b. Completely tape the SAB connector to the main harness as shown in Figure 6b.

**IMPORTANT:** Use ONLY specified tape (P/N 24828 – AM00A).

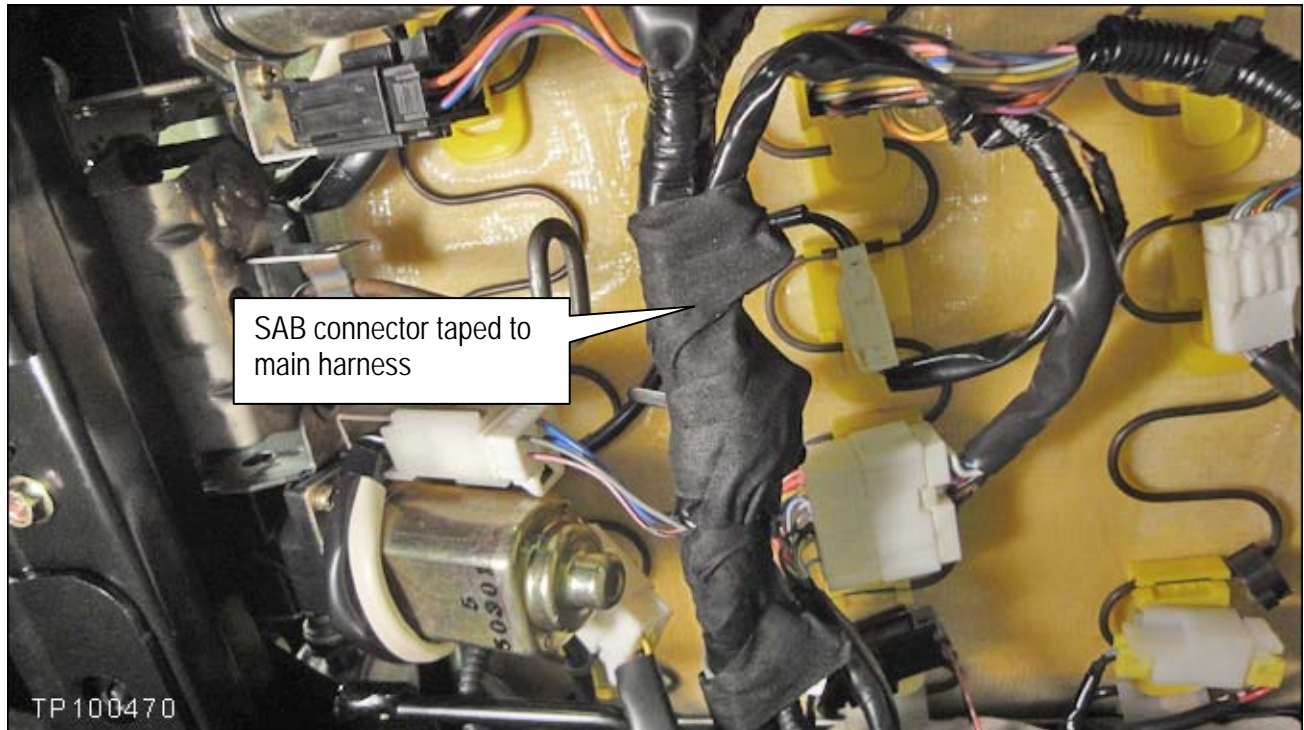


Figure 6b

6. Go to:

- COUPE (2003-2004): Front Passenger Seat Side Air Bag Connector Replacement Kit Installation on the next page.

or

- COUPE (2005): Front Passenger Seat Side Air Bag Connector Replacement Kit Installation on page 18.

## COUPE (2003-2004): Front Passenger Seat Side Air Bag Connector Replacement Kit Installation.

**IMPORTANT:** Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an airbag.

**NOTE:** Preparation steps should already have been done (see page 4).

1. Look under the seat and locate the SAB connector (taped to harness). See Figure 1c.
2. Cut / remove the tie-wrap shown in Figure 1c.

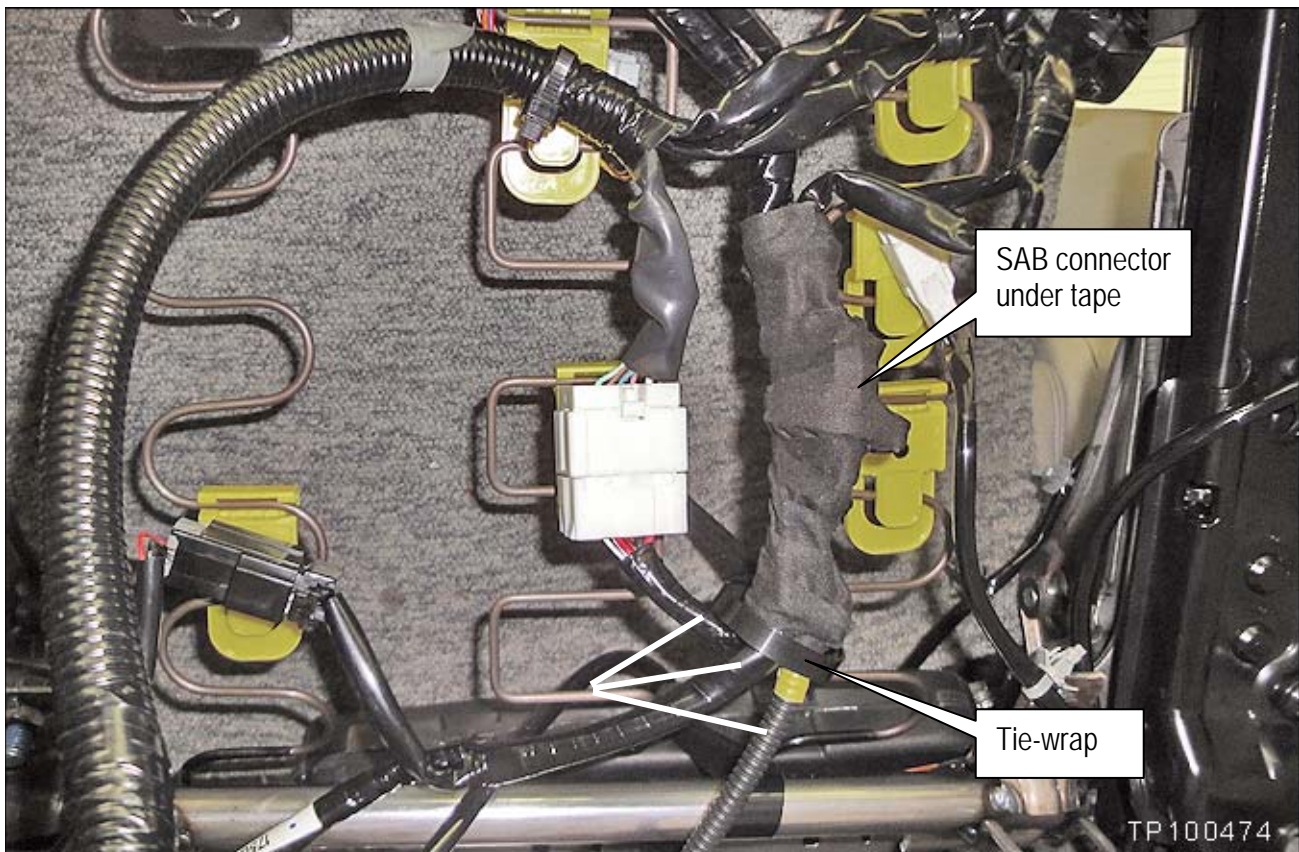


Figure 1c

3. Remove the tape to expose the SAB connector.
4. Cut and remove the 3 tie-wraps shown in Figure 2c.

**NOTE:** Leave the metal rod taped to the harness.

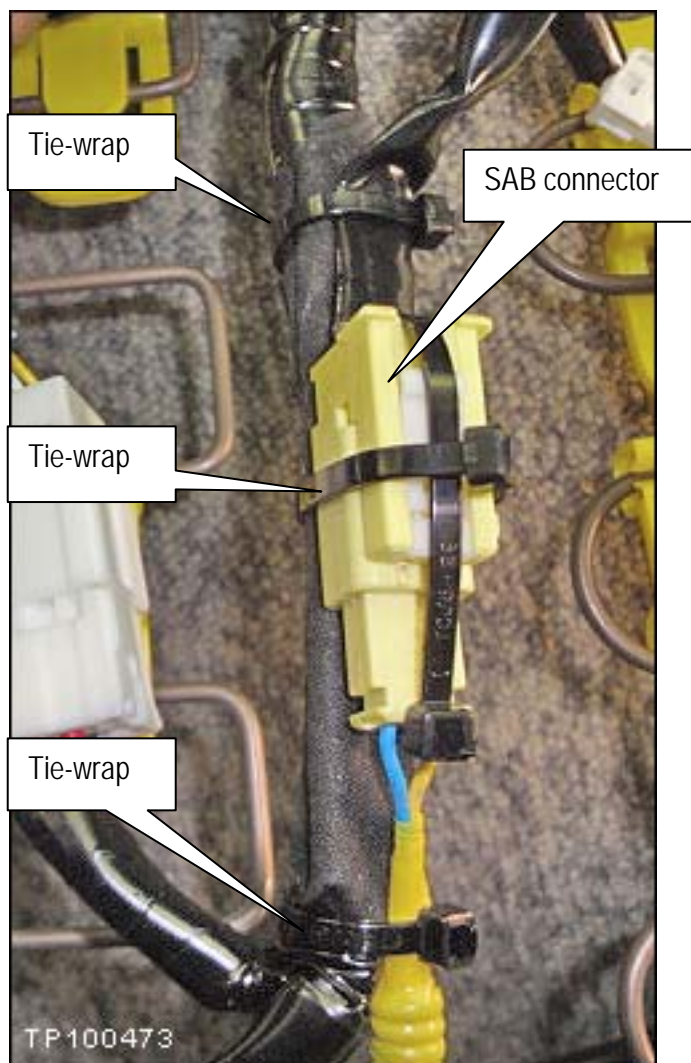


Figure 2c

5. Replace the SAB connector with new connector ends.
  - Refer to Side Air Bag (SAB) Connector Replacement on page 22.
  - Use Connector Replacement Kit P/N 24009-CM71A.

6. Attach the new SAB connector to the seat harness and metal rod as shown in Figure 3c and 4c.
  - Make sure the connector is secured to the bottom of the harness as shown in Figure 3c.
  - Use 2 tie-wraps (P/N 24216-S5800) - harness to harness - as shown in Figure 4c.
  - Cut excess tie-wrap flush so there are no sharp edges.

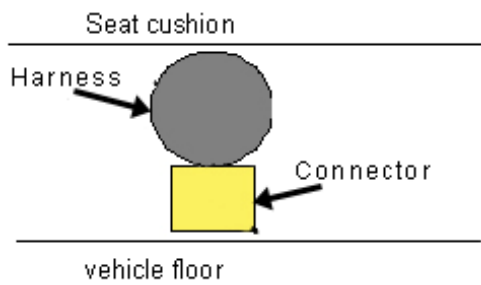


Figure 3c

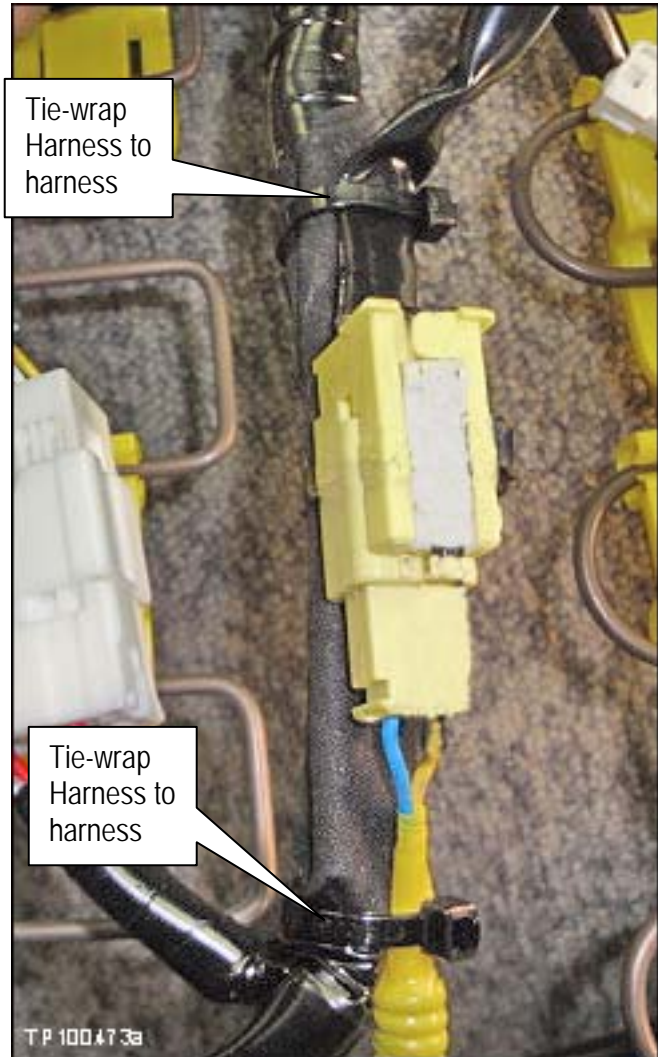


Figure 4c

7. Completely tape the SAB connector to the seat harness as shown in Figure 5c.

**IMPORTANT:** Use ONLY specified tape (P/N 24828 – AM00A).

8. Attach tie-wrap (P/N 24216 – S5800) around harnesses and S-spring as shown in Figure 5c.

- Cut excess tie-wrap flush so there are no sharp edges.

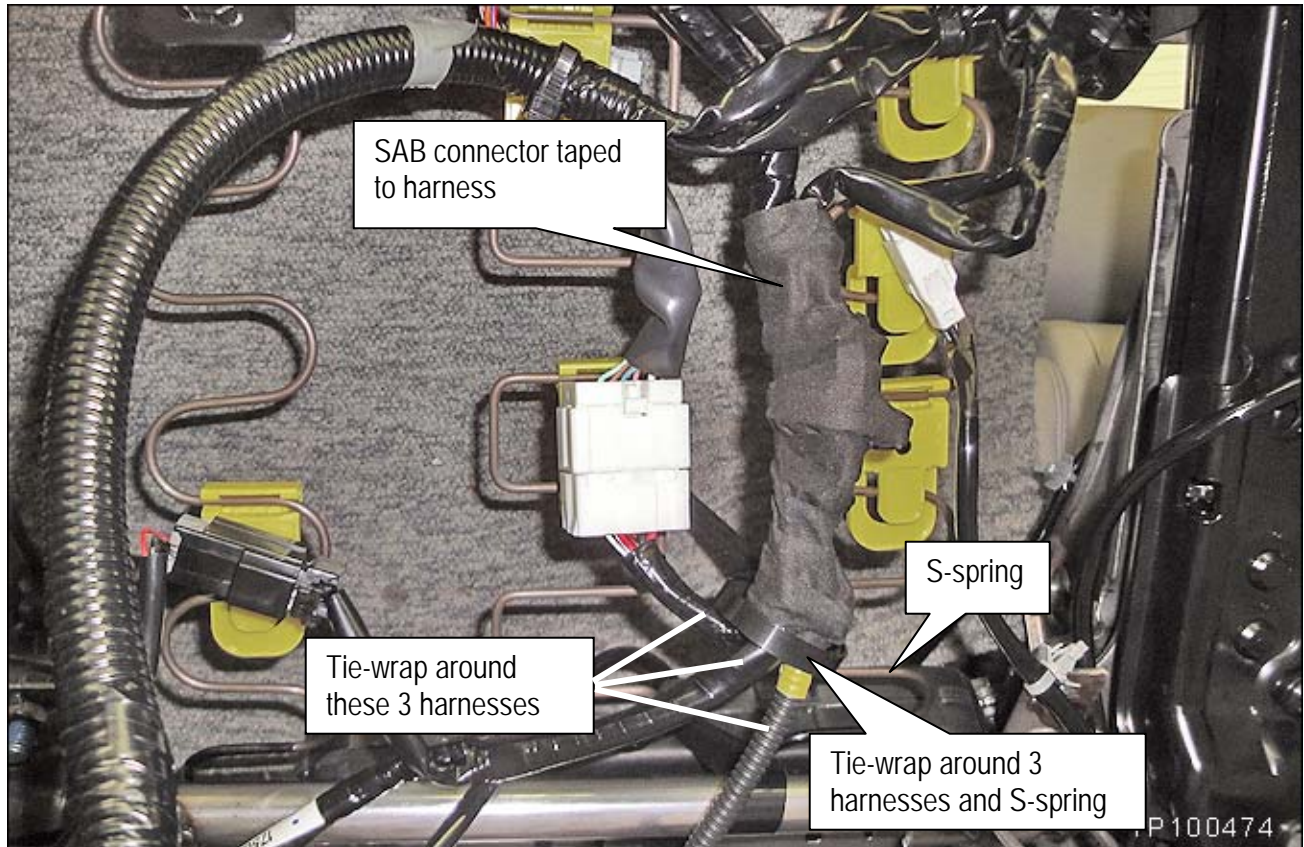


Figure 5c

**NOTE:** Make sure SAB connector replacement kits are installed on both front seats.

9. After installation of kits on both front seats, reinstall the seats in reverse order.

- Torque for seat mounting bolts: 49 N•m (5.0 kg-m, 36 ft-lb)

10. Go to Final Steps After Installation of Side Air Bag Connector Replacement Kits on page 21.

## COUPE (2005): Front Passenger Seat Side Air Bag Connector Replacement Kit Installation

**IMPORTANT:** Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an airbag.

**NOTE:** Preparation steps should already have been done (see page 4).

1. Look under the seat and locate the SAB connector (see Figure 1d).
2. Remove / disconnect the SAB connector from the mounting bracket.
  - Cut the mounting clip type tie-wraps.
  - Disconnect / snap loose the connector mounting clip.

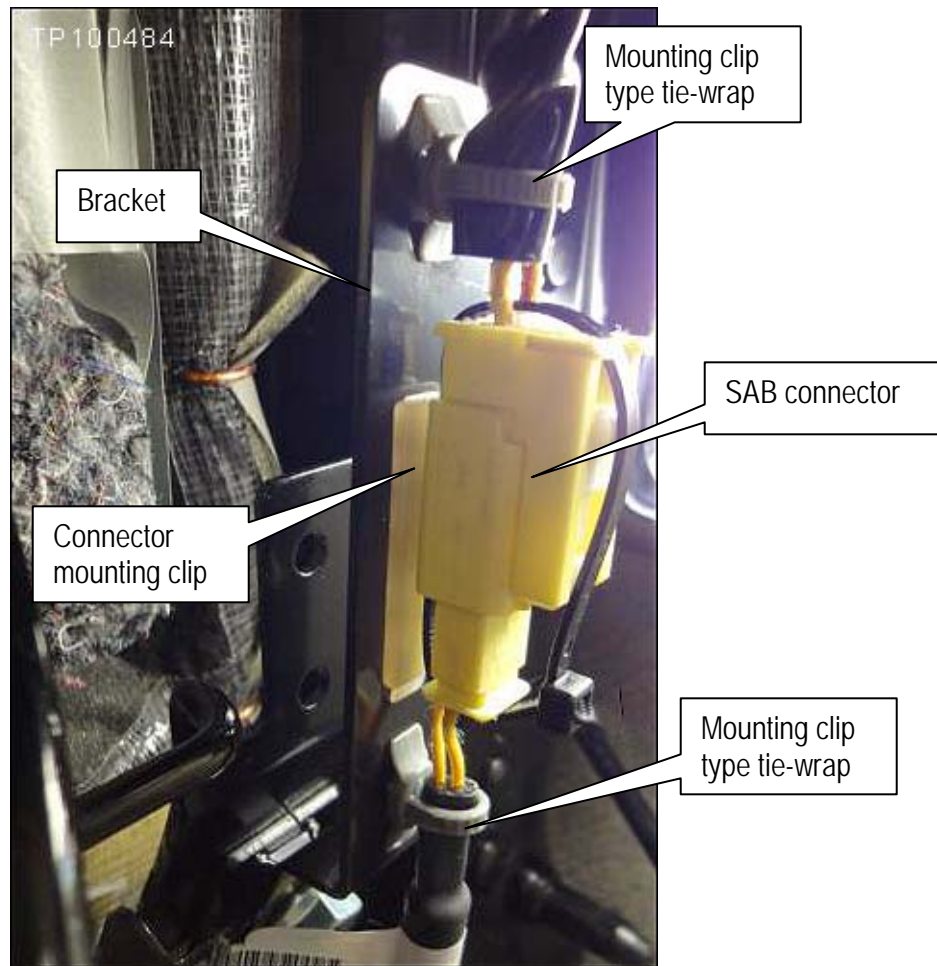


Figure 1d

3. Remove the mounting clip from the side air bag connector.

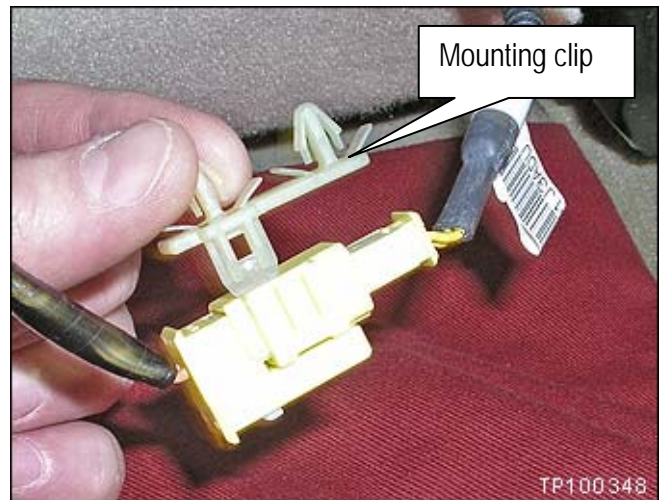


Figure 2d

4. Replace the SAB connector with new connector ends.
  - Refer to Side Air Bag (SAB) Connector Replacement on page 22.
  - Use Connector Replacement Kit P/N 24009-CM71A.
5. Reinstall the connector mounting clip onto the new SAB connector (see Figure 3d).
6. Install 2 new "mounting clip type" tie-wraps as shown in Figure 3d.

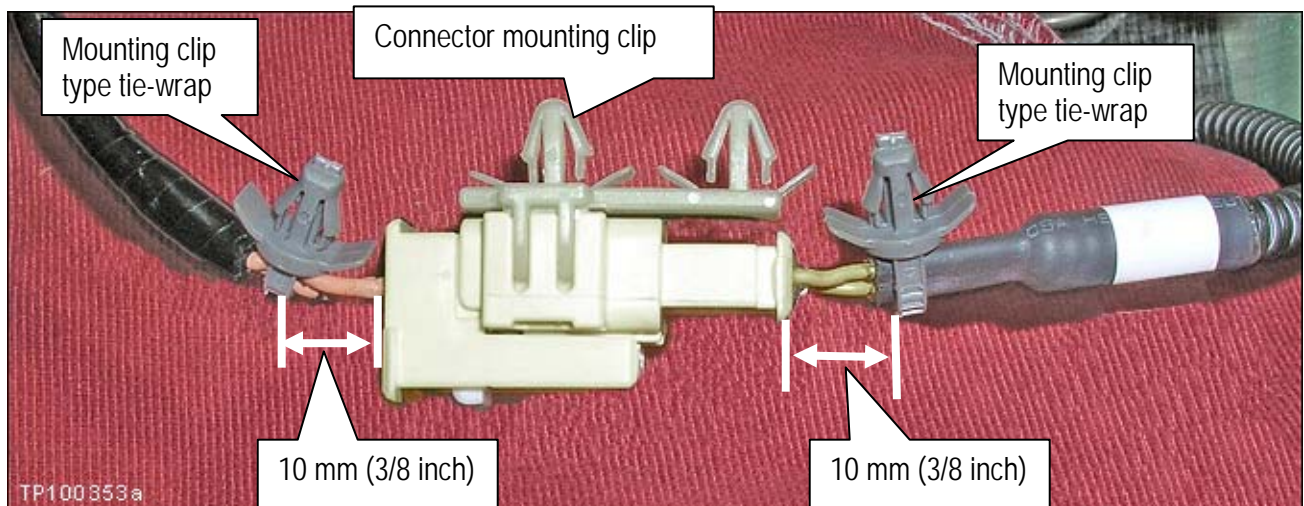


Figure 3d

7. Mount the new SAB connector on the bracket as shown.

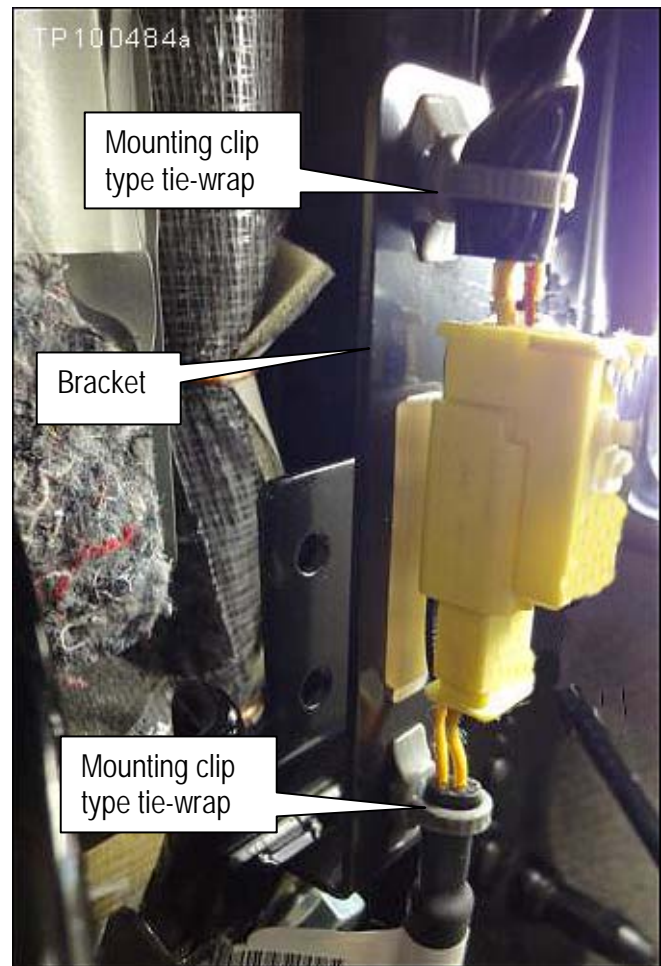


Figure 4d

**NOTE:** Make sure SAB connector replacement kits are installed on both front seats.

8. After installation of kits on both front seats, reinstall the seats in reverse order.
  - Torque for seat mounting bolts: 49 N•m (5.0 kg-m, 36 ft-lb).
9. Go to Final Steps After Installation of Side Air Bag Connector Replacement Kits on the next page.

## Final Steps After Installation of Side Air Bag Connector Kits

1. Connect the battery cables, positive cable first.
2. Reset the clock and the radio station presets.
3. Reset / Re-initialize power windows, power sunroof, ATC, etc. as needed.
  - Refer to Additional Service When Removing Battery Negative Terminal in the GI section of the appropriate Service Manual for details.
4. Connect C-III plus to the vehicle and check air bag codes.
  - Erase any side module "open circuit" codes (SIDE MODULE RH or LH [OPEN]: B1129 or B1134) stored in Self Diagnosis Current or Self Diagnosis Past.
  - Codes other than the above are not covered by this bulletin. If any codes other than the above are stored; diagnose and repair as needed using usual diagnostic and repair procedures.
5. Disconnect CONSULT from the vehicle.
6. Turn the ignition OFF and then ON. Make sure the air bag warning lamp (on the instrument panel) turns ON and then goes OFF after about 7 seconds.

## Side Air Bag (SAB) Connector Replacement

**NOTE:** Use connector replacement kit — P/N 24009-CM71A (one kit per connector/seat).

1. Attach a personal ground strap to your wrist and a ground point on the vehicle.
  - Keep the ground strap attached during the entire connector replacement process.

**NOTE:** Personal ground straps are available at local electronic supply stores.



Figure CR1

2. Position the SAB connector and harness so you have ample working room.



Figure CR2

3. Disconnect the SAB connector.

**NOTE:** The SAB harness side (seat side) end will be replaced first.

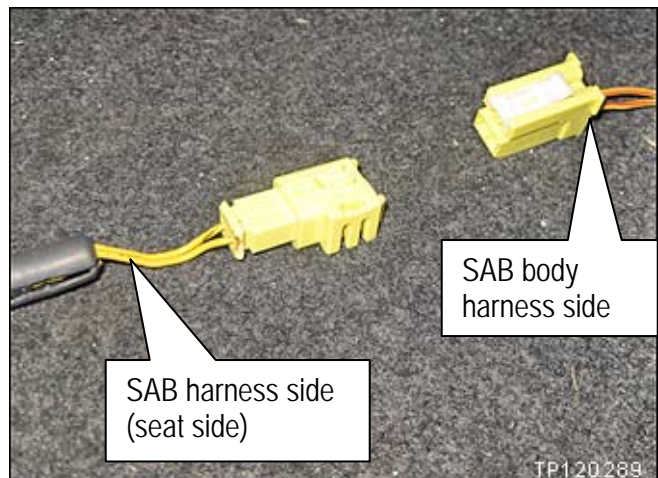


Figure CR3

## Replacement of the SAB harness side (seat side) connector end

4. Remove / pull off the corrugated cover end (see Figures CR4 and CR5).

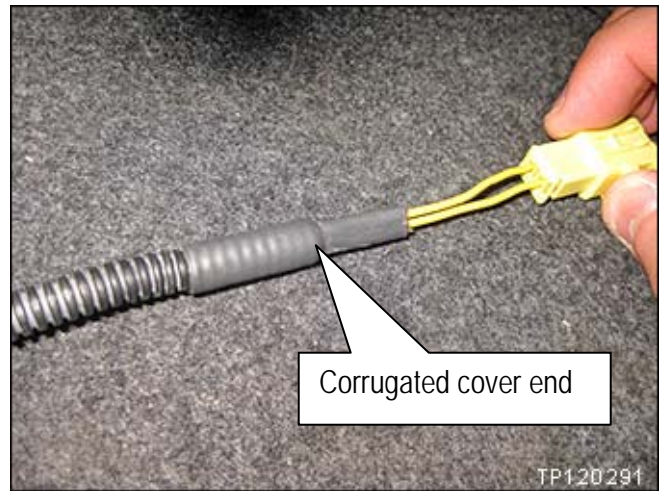


Figure CR4



Figure CR5

5. Cut / split the side of the corrugated cover and remove it to expose the SAB wires.
  - Cut enough to expose 165 mm (6 ½ inches) of the SAB wires.

**CAUTION:** Do not damage the SAB wires.



Figure CR6

## Side Air Bag (SAB) Connector Replacement

6. Measure 150 mm (6 inches) from the back side of the SAB connector.

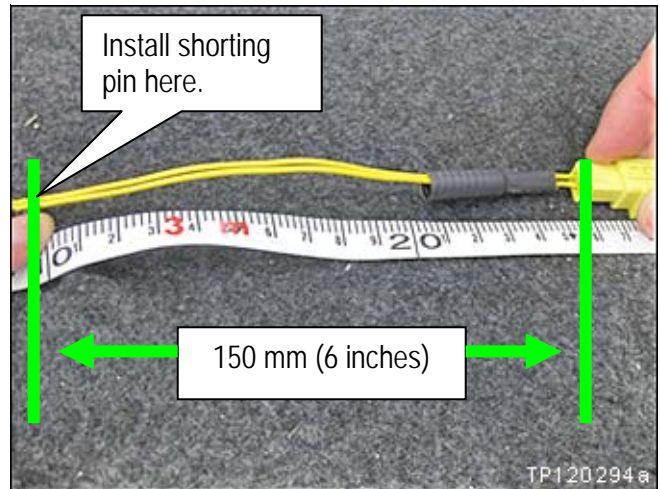


Figure CR7

7. Install the shorting pin at the 150 mm (6 inch) point (see Figure CR7 to CR10).

**NOTE:** The shorting pin is included in the connector replacement kit.

**WARNING:** Make sure the shorting pin is securely installed before cutting the harness wires. The shorting pin will prevent unintended air bag deployment from static electricity.

- a. Align the harness wires with the slits in the shorting pin as shown in Figure CR8 and CR9.

**CAUTION:** Damage to the harness may occur if the wires are not aligned with the slits.

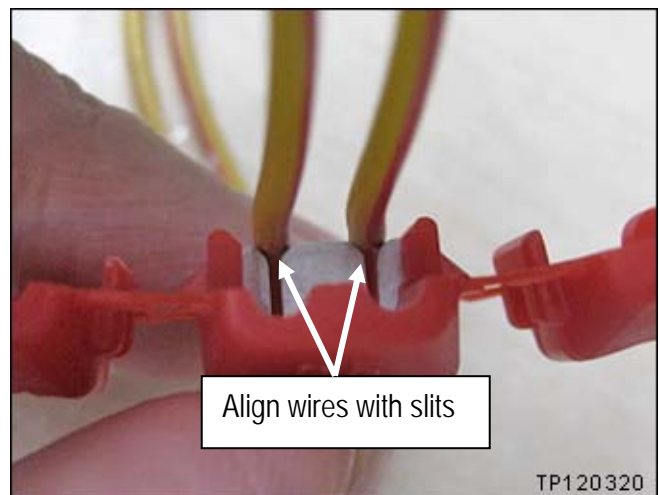


Figure CR8

## Side Air Bag (SAB) Connector Replacement

Align the harness wires with the slits in the shorting pin as shown.

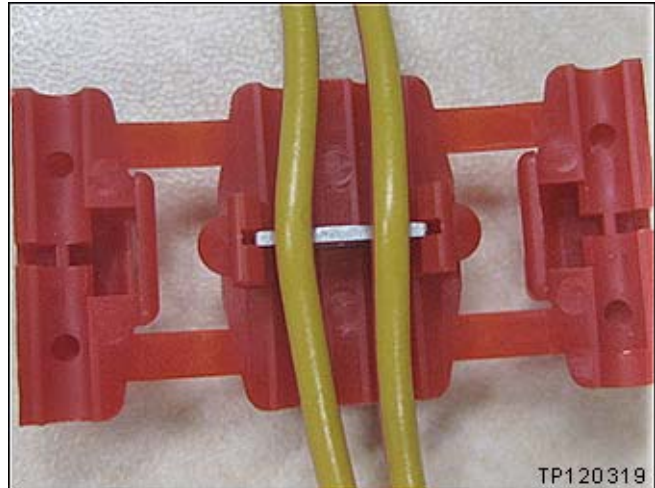


Figure CR9

- b. Use pliers to securely attach the shorting pin to the harness.

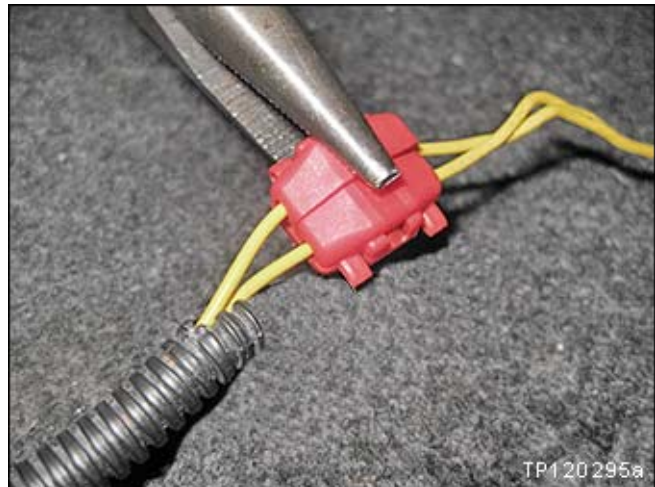


Figure CR10

- 8. Cut the SAB harness wires 60 mm (2 3/8 inches) from the back side of the SAB connector (see Figure CR11).

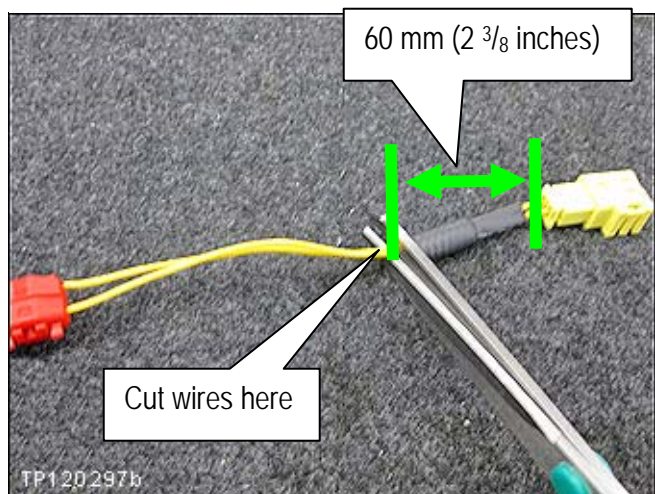


Figure CR11

## Side Air Bag (SAB) Connector Replacement

- Strip about 10 mm of insulation from the ends of the SAB harness wires.

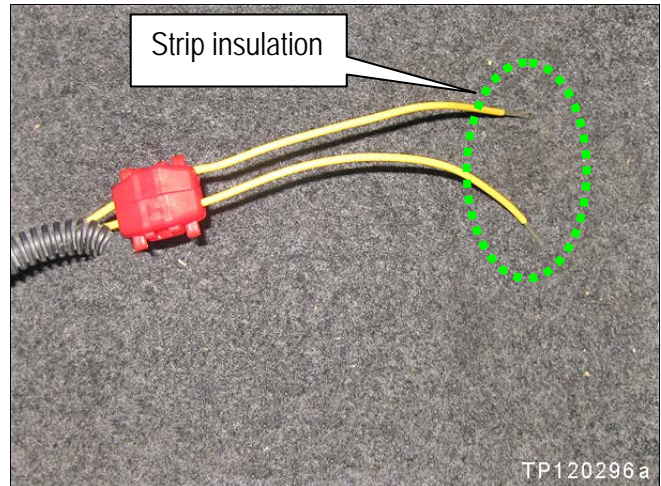


Figure CR12

- Slide solder sleeve connector onto the SAB harness wires as shown in Figure CR13.

### NOTE:

- Solder sleeve connectors are included in the connector replacement kit.
- When the shorting pin is removed these solder sleeve connectors will be used to cover the pierced insulation.

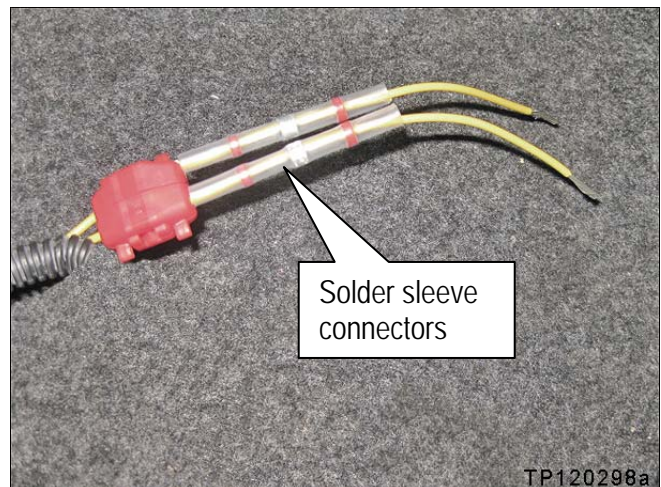


Figure CR13

- Cut the wires on the **new** SAB connector 60 mm (2 <sup>3</sup>/<sub>8</sub> inches) from the back side of the connector (see Figure CR14).

### NOTE:

- Make sure you are prepping the SAB side (seat side) of the SAB connector (male end).
- The wire length of the new connector must match the cut of wire length of the old connector.

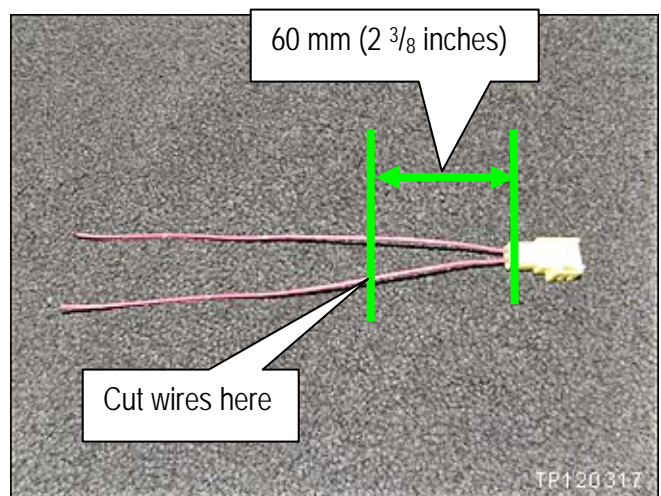


Figure CR14

## Side Air Bag (SAB) Connector Replacement

- Strip about 10 mm of insulation from the wire ends of the new connector.
- Slide solder sleeve connectors onto the connector wires as show in Figure CR15.

**NOTE:** Solder sleeve connectors are included in the connector replacement kit.

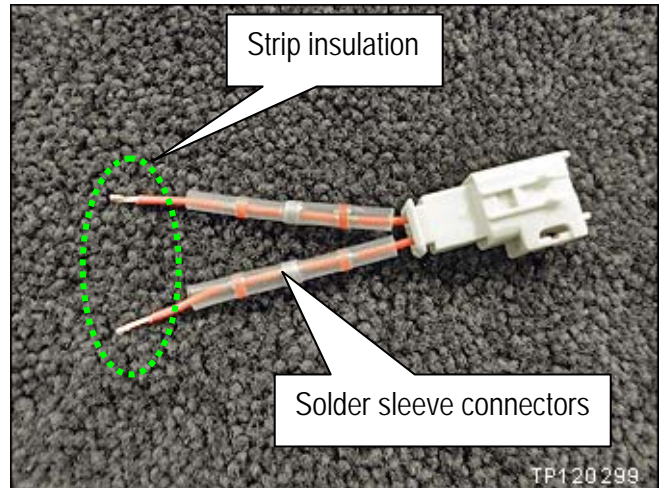


Figure CR15

- Twist the wires of the new SAB connector together with the wires of the SAB harness as shown in Figure CR16.

**NOTE:** There is no need to match wires. It does not matter which wire from the harness is connected to which wire from the connector.

- Slide the solder sleeve connectors from the connector side over the twisted wires (see Figure CR16).

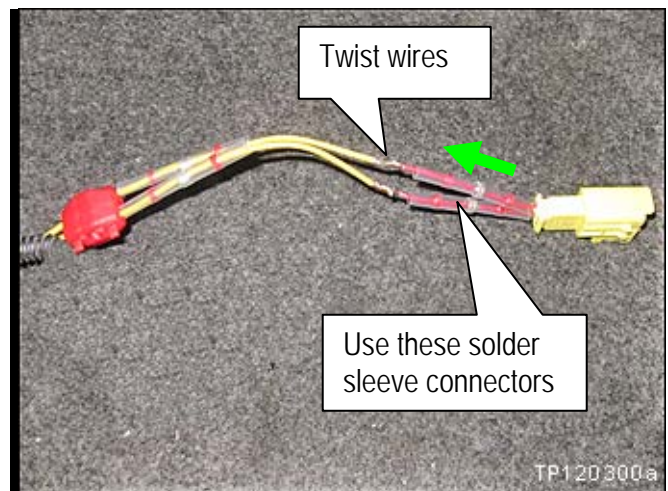


Figure CR16

- Attach the new connector using the solder sleeve connectors (refer to [Instructions For Using Solder Sleeve Connectors](#) on the next page).

**NOTE:** It is recommended that you read all of the instructions for using solder sleeve connectors—on the next page—before starting.

## Instructions for Using Solder Sleeve Connectors

- A. Securely twist together the wires that will be connected / soldered.

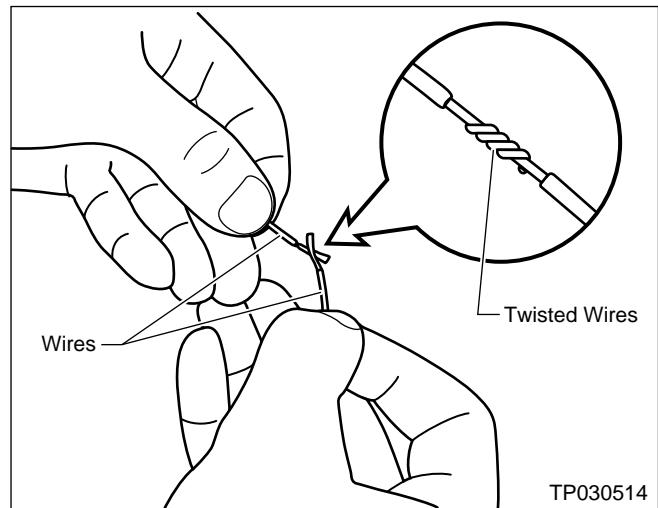


Figure CR17

- B. Position the Solder Sleeve Connector so that the solder ring (in the connector) is centered around the exposed twisted wire area.

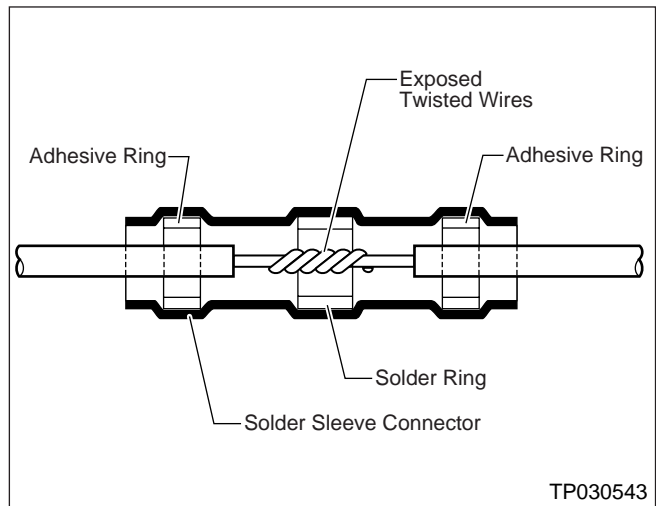


Figure CR18

**WARNING:** Do not use an electric type soldering tool. An electric type soldering tool may generate a current that may activate the SAB.

- C. Use the special Flameless Heat Gun—J-46538 to heat the solder sleeve connector.

This operation will:

- Melt the solder (silver ring inside the solder sleeve connector) into the exposed twisted wire area.
- Melt the sealant (red rings inside solder sleeve connector) onto the wires.
- Shrink the plastic sleeve onto the wires.

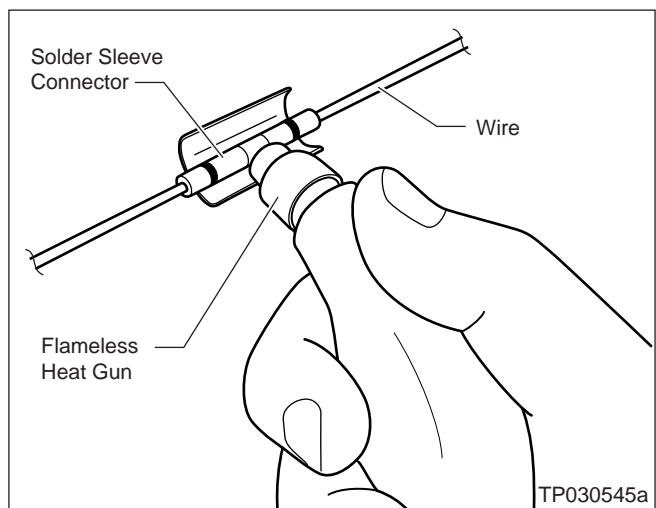


Figure CR19

### Important Soldering Tips:

- Position the solder sleeve connector in the middle of the heat shield of the Heat Gun.
- Start heating the connector from the center and move back and forth (side to side) and around to allow even distribution of the heat to the entire connector.
- Make sure the solder completely flows into the exposed twisted wires and the adhesive properly seals the wire insulation to the connector sleeve. Stop applying the heat immediately after this happens.

### WARNING:

- The Flameless Heat Gun and the solder sleeve connectors become HOT during the soldering process.
- Allow the gun and connectors to cool before handling them.

**CAUTION:** Be careful not to damage the connector or wires with the heat gun:

- Do not apply heat for more than about 40 seconds.
- Do not overheat the connector or wires (i.e., severe darkening of connector sleeve or wire insulation).

17. Once the wires are attached with the solder sleeve connectors, remove the shorting pin.

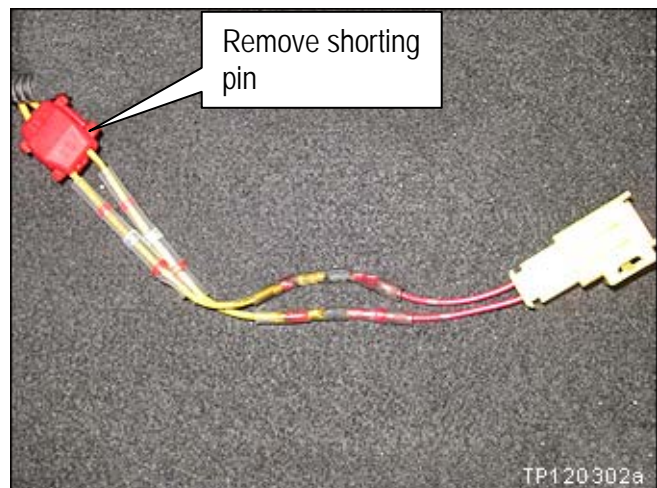


Figure CR20

## Side Air Bag (SAB) Connector Replacement

**NOTE:** When the shorting pin is removed there will be exposed wires at the point of the pierced insulation. The additional solder sleeve connectors will be used to cover these exposed wires.

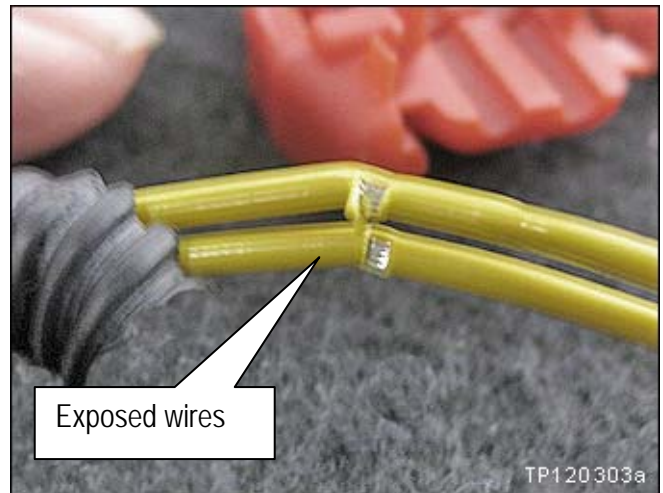


Figure CR21

18. Slide the additional solder sleeve connectors over the exposed wires (see Figures CR21 and CR22).

19. Apply the solder sleeve connectors.

- Position the solder part of the connector over the exposed wires.
- Use the special Flameless Heat Gun—J-46538 to heat the solder sleeve connector.
- Refer to Important Soldering Tips below.

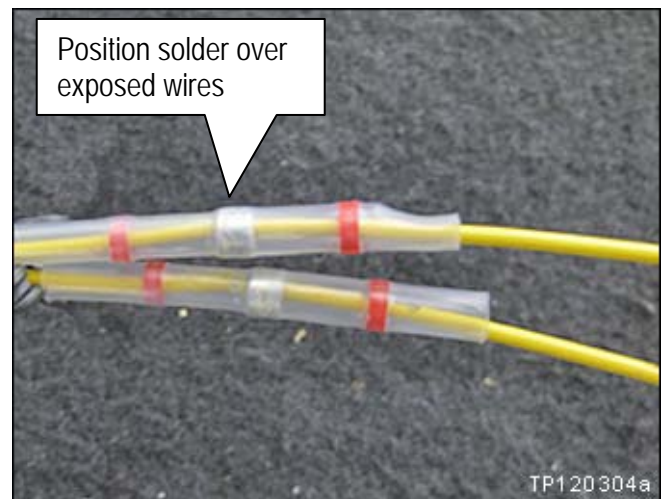


Figure CR22

### Important Soldering Tips:

- Position the solder connector in the middle of the heat shield of the Heat Gun.
- Start heating the connector from the center and move back and forth (side to side) and around to allow even distribution of the heat to the entire connector.
- Make sure the adhesive properly seals the wire insulation to the connector sleeve. Stop applying the heat immediately after this happens.

### WARNING:

- The Flameless Heat Gun and the Solder Connectors become **HOT** during the soldering process.
- Allow the Gun and connectors to cool down before handling them.

**CAUTION:** Be careful not to damage the connector or wires with the heat gun:

- Do NOT apply heat for more than about 40 seconds.
- Do NOT overheat the connector or wires (i.e., severe darkening of connector sleeve or wire insulation).

## Side Air Bag (SAB) Connector Replacement

20. Install a new corrugate cover over the SAB wires.

**NOTE:** New corrugated cover is supplied with the connector replacement kit.

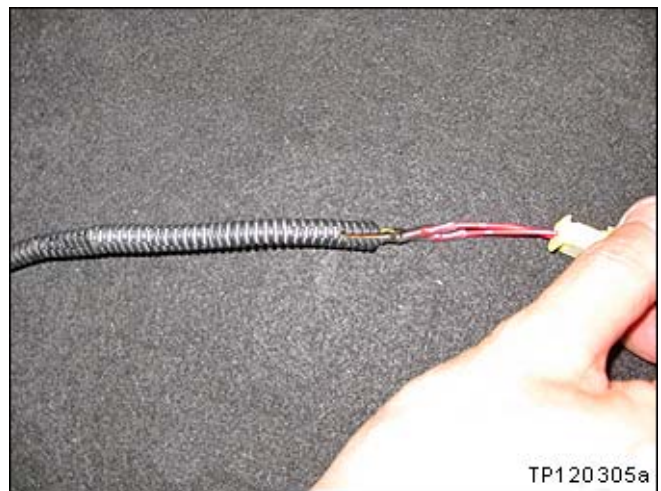


Figure CR23

21. Apply electrical tape to the corrugated cover and wires as shown.

- As you wrap, keep the tape tight to the harness.
- Over-lap the tape 50% as you wrap.

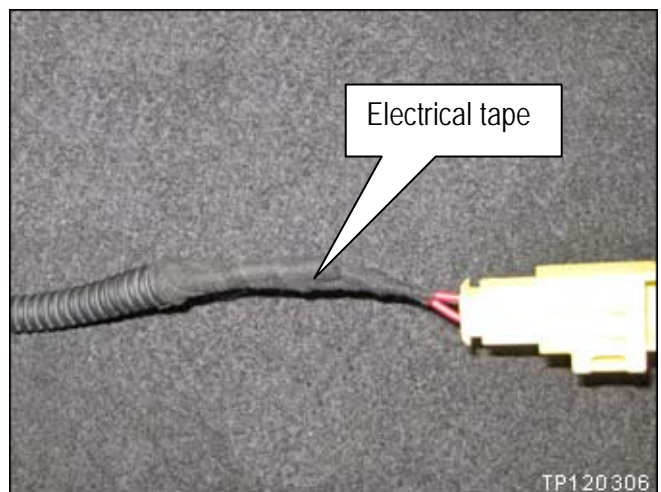


Figure CR24

Replacement of the body side connector end

22. Cut / remove the plastic covering from the body side harness wires.

- Cut enough to expose 75 mm (3 inches) of the wires.

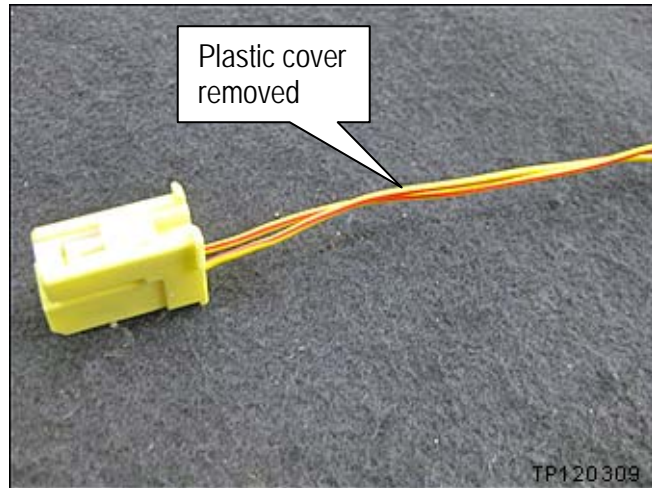


Figure CR25

23. Cut the wires 60 mm (2 3/8 inches) from the back side of the connector as shown in Figure CR26.

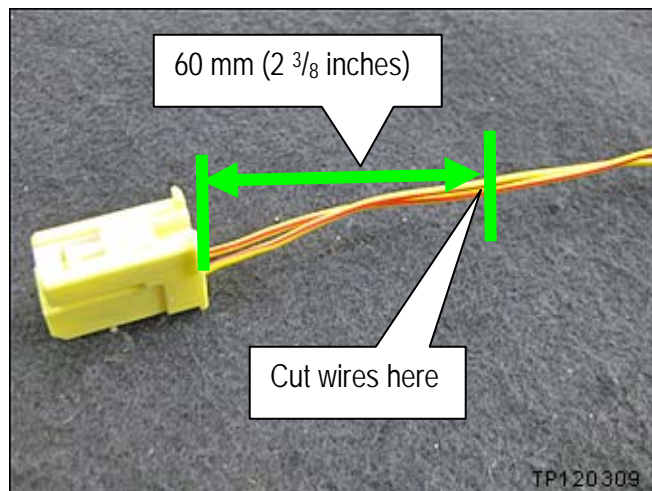


Figure CR26

## Side Air Bag (SAB) Connector Replacement

24. Strip about 10 mm of insulation from the ends of the body side harness wires.

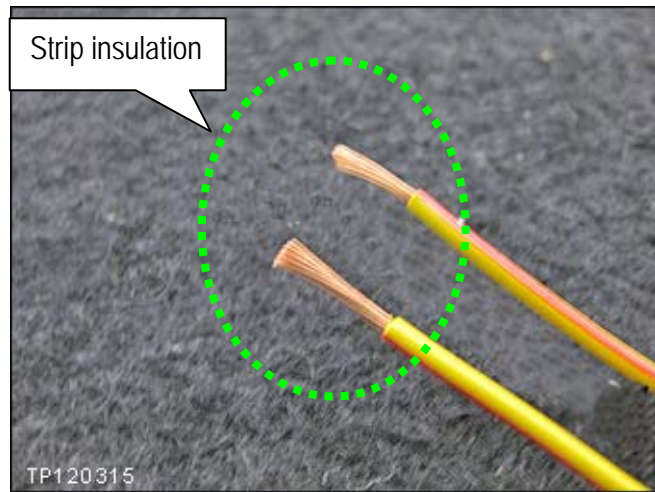


Figure CR27

25. Cut the wires on the new body side connector end 60 mm (2 <sup>3</sup>/<sub>8</sub> inches) from the back side of the connector as shown in Figure CR28.

**NOTE:**

- Make sure you are prepping the body side connector (female end).
- The wire length of the new connector must match the cut of wire length of the old connector.

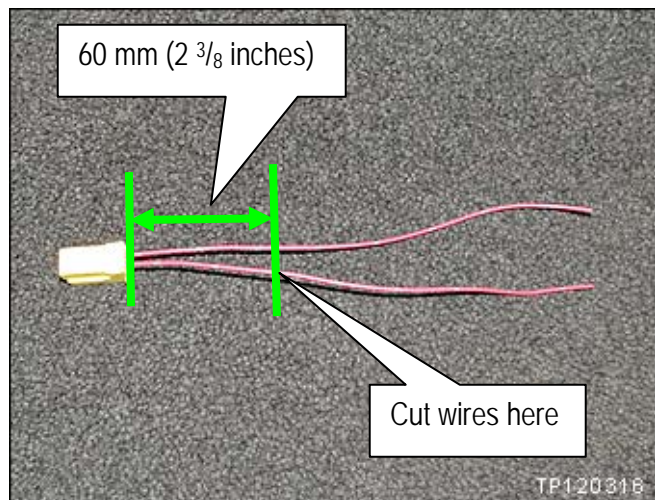


Figure CR28

26. Strip about 10 mm of insulation from the wire ends.

27. Install solder sleeve connectors on the wires as shown in Figure CR29.

**NOTE:** Solder sleeve connectors are included in the connector replacement kit.

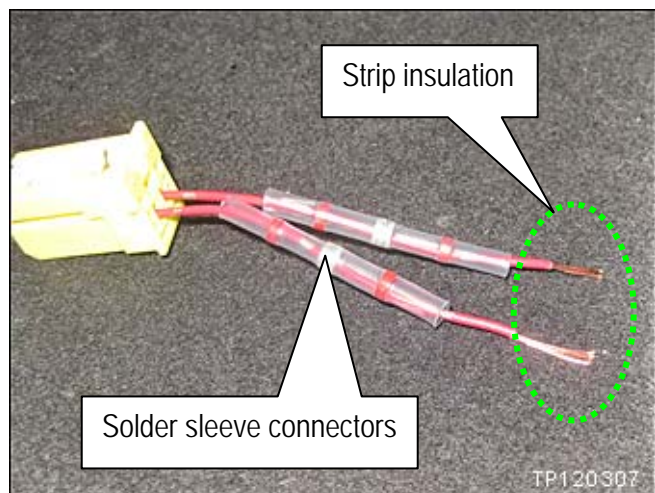


Figure CR29

## Side Air Bag (SAB) Connector Replacement

28. Twist the wires of the new connector together with the wires of the harness.

**NOTE:** There is no need to match wires. It does not matter which wire from the harness is connected to which wire from the connector.

29. Slide the solder sleeve connectors over the twisted wires (see Figure CR30).

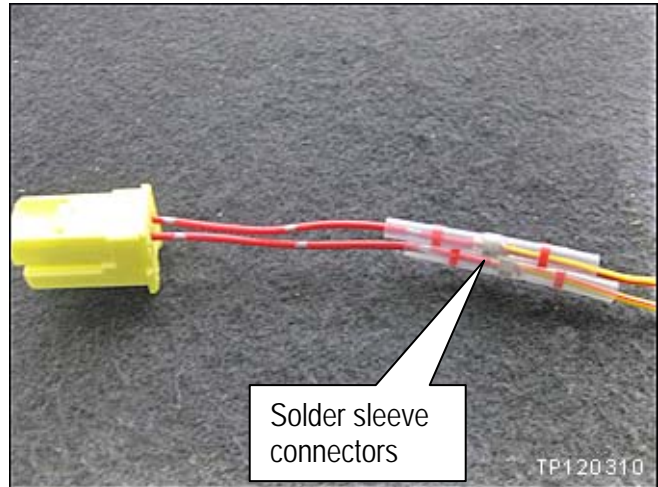


Figure CR30

30. Attach the new connector using the solder sleeve connectors (refer to [Instructions For Using Solder Sleeve Connectors](#) on page 28).

31. Cover the wires with a corrugated cover.
  - Cut the corrugated cover to the correct length.

**NOTE:** Corrugated cover is included in the connector replacement kit.



Figure CR31

## Side Air Bag (SAB) Connector Replacement

32. Apply electrical tape to the corrugated cover and wires as shown.

- As you wrap, keep the tape tight to the harness.
- Over-lap the tape 50% as you wrap.

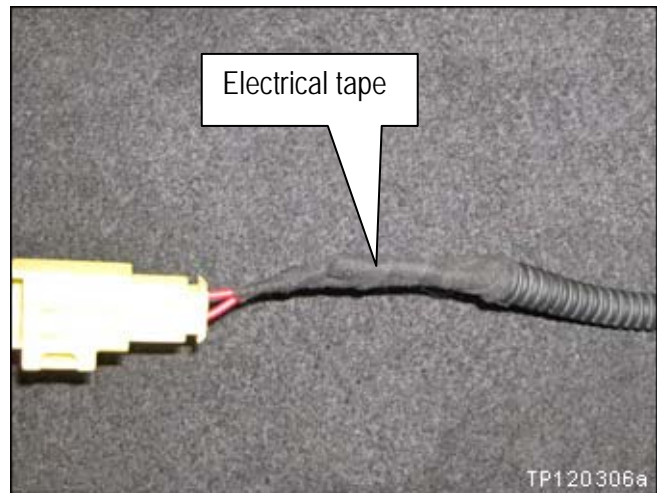


Figure CR32

33. Re-connect the SAB connector.

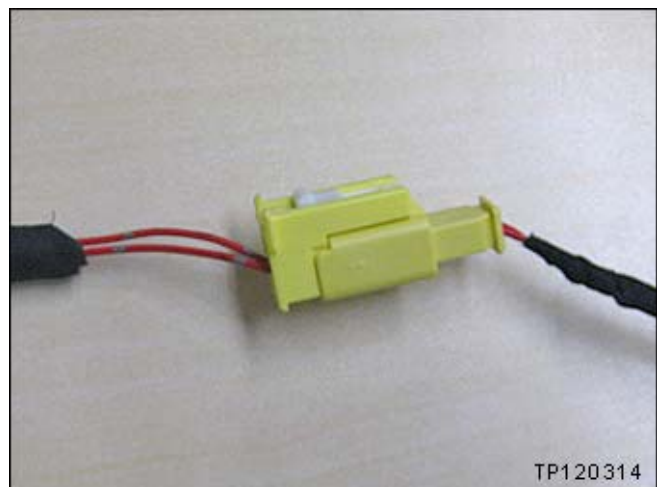


Figure CR33

