

Reference:

ITB10-036a

Date:

July 21, 2010

VOLUNTARY SAFETY RECALL CAMPAIGN
2005 G35 SEAT BELT TENSION SENSOR HARNESS CONNECTOR
AND
VOLUNTARY SERVICE CAMPAIGN
2005 G35 SEAT MOUNTED SIDE AIR BAG HARNESS CONNECTOR

This bulletin has been amended. The Parts Information has been updated.
Please discard previous versions of this bulletin.

CAMPAIGN ID #: R1019
NHTSA #: 10V-175
APPLIED VEHICLES: 2005 G35 Sedan (V35)
2005 G35 Coupe (CV35)

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

On some model year 2005 G35 vehicles, the harness connector for the Belt Tension Sensor (BTS) may develop increased electrical resistance due to excessive movement. If this occurs, the red air bag warning lamp will illuminate (flash) on the dash to warn the driver. To remedy this potential condition, Infiniti is conducting this Voluntary Safety Recall Campaign to secure the BTS harness connector.

In addition to the above recall campaign, Nissan is also conducting a voluntary service campaign to address the Side Air Bag (SAB) connector. On some model year 2005 G35 vehicles, the seat-mounted side air bags could stop working due to a connector issue. If this occurs, a red air bag warning lamp would illuminate (flash) on the dash to warn the driver. To remedy this potential condition, Infiniti will relocate and secure the seat-mounted side air bag connectors.

IDENTIFICATION NUMBER

Infiniti has assigned identification number R1019 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Infiniti strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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SERVICE PROCEDURE

Preparation (Sedan & Coupe) for Side Air Bag and Seat Belt Tension Sensor Connector Kit Installations

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 both front seats forward and remove the rear mounting bolts for both front seats.

4. Move both front seats to the full rear position.

5. Adjust the seatback (recline) on both front seats to the full forward position.

6. Remove the front seat mounting bolts for both front seats.

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 both front seats backward as far as possible without overstressing the seat wiring harness.

- Sedan passenger seat shown, other applied seats are similar.

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



Figure A

SEDAN: Front Seat (Driver and Passenger) Side Air Bag Connector Kit Installation

NOTE:

- Figures 1 through 10 are used for both the driver and passenger seat.
- Make sure to perform this procedure on **both** front seats.

1. Look under the seat and locate the harness and connectors shown in Figure 1.
2. Remove tape from the area shown in Figure 1, just enough to separate the Side Air Bag (SAB) wires.

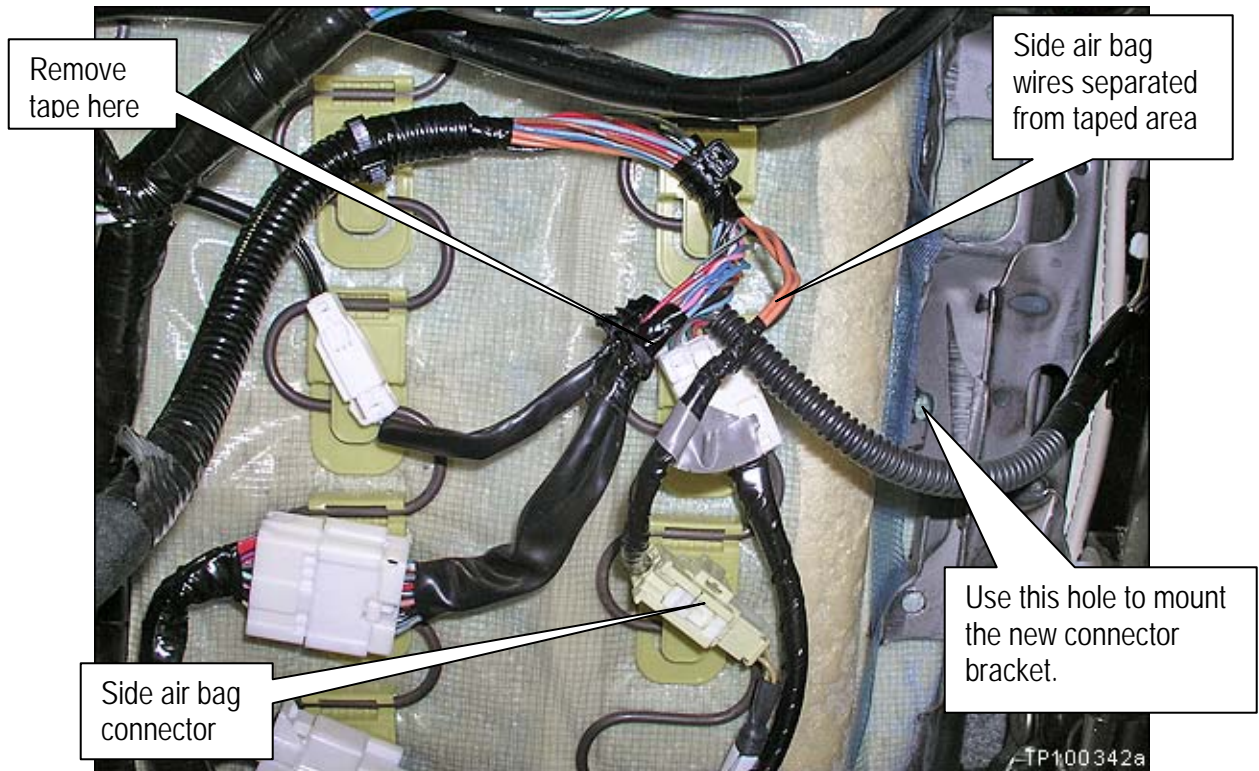


Figure 1

3. Install the new connector bracket as shown in Figure 2 and torque the nut:

17.6 – 26.5 N•m (1.8 – 2.7 kg-m, 13 – 20 ft-lb)

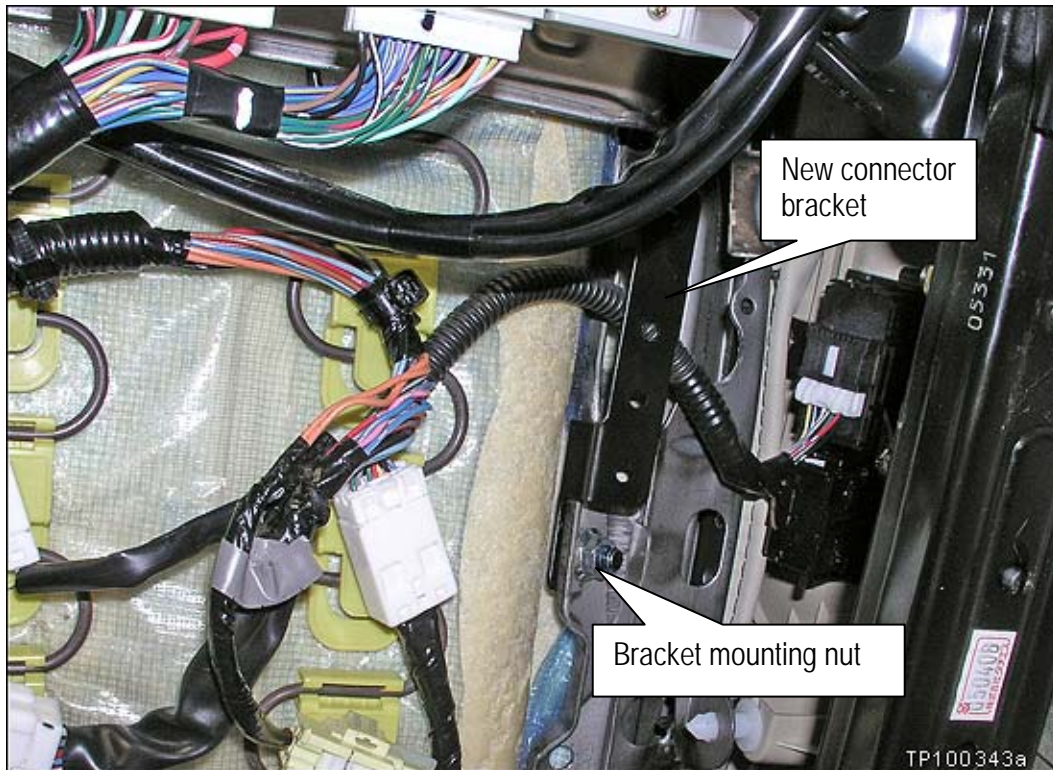


Figure 2

4. Snap loose the Side Air Bag (SAB) connector with clip from the mounting position.

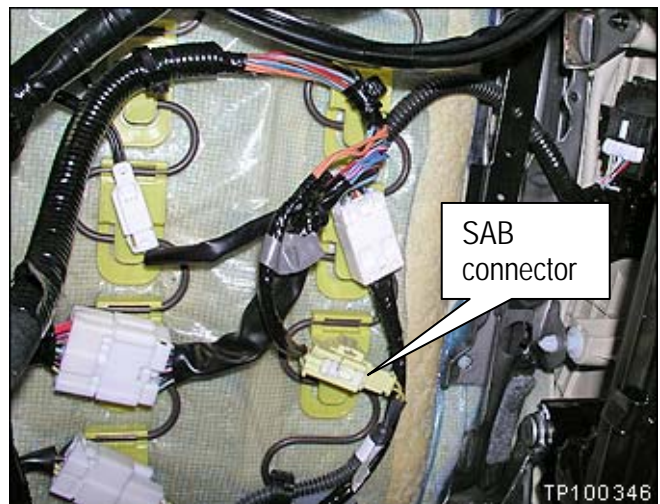


Figure 3

5. Disconnect and reconnect the SAB connector 3 times.

NOTE: This step is used to clean the connector contacts and ensure good continuity through the connector.

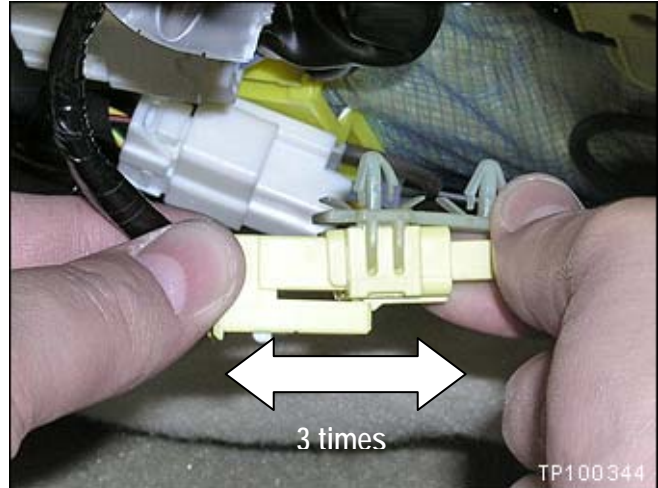


Figure 4

6. Remove the mounting clip from the SAB connector.

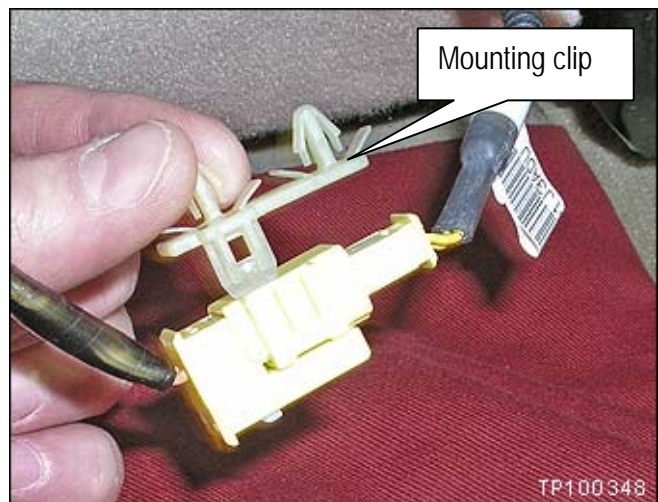


Figure 5

7. Mix a small amount (about ½ ounce) of "5 MINUTE® EPOXY" in a suitable mixing tray.

NOTE: See the Parts Information for product detail and MSDS information.

CAUTION:

- Use chemical resistant gloves when handling this product.
- Wear safety glasses with side shields.



Figure 6

8. Place covers on the floor and seat to protect against epoxy spills.
9. Apply the epoxy to the back side (wire gates) of the SAB connector (see Figure 7).
 - Apply epoxy to all 4 wire gates.
 - Work epoxy into the wire gates and around each wire.
 - Apply epoxy about 4 mm (5/32 inch) up the wire from the connector.

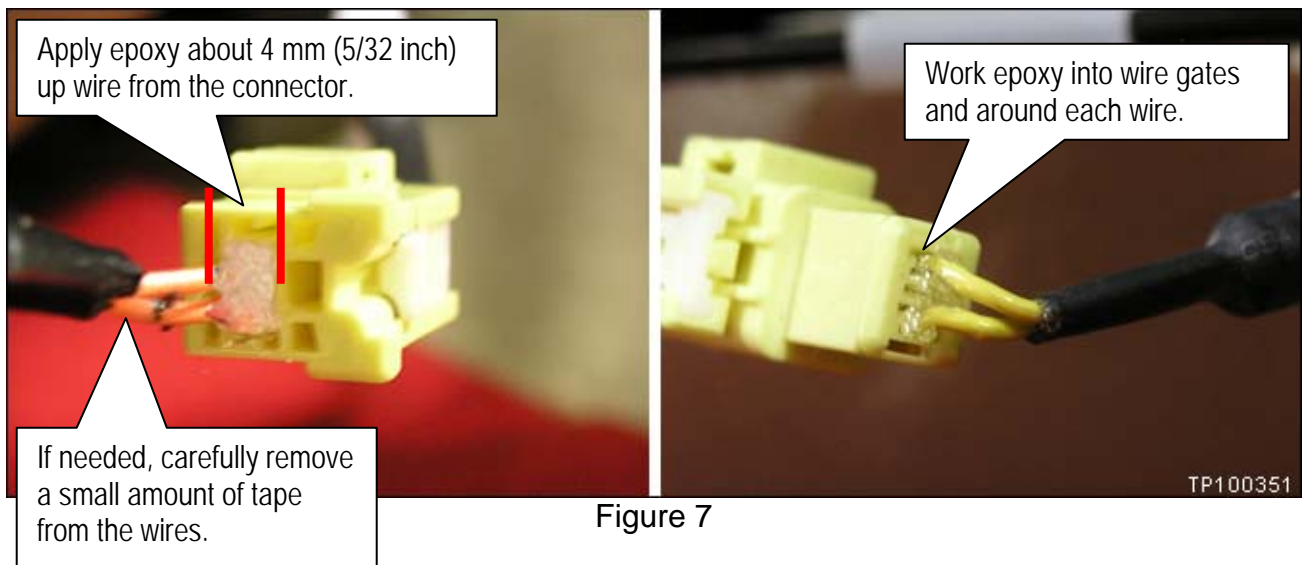


Figure 7

10. Install a tie-wrap (P/N 24216 – AM00A) around the SAB connector as shown in Figure 8.
 - a. Route the tie-wrap between the wires.
 - b. Pull the tie-wrap tight.
 - c. Cut excess tie-wrap flush so there are no sharp edges.



Figure 8

NOTE: Leave the connector undisturbed for 5 minutes while the epoxy cures.

11. Reinstall the connector mounting clip (see Figure 9).
12. Install 2 “mounting clip type” tie-wraps as shown in Figure 9.

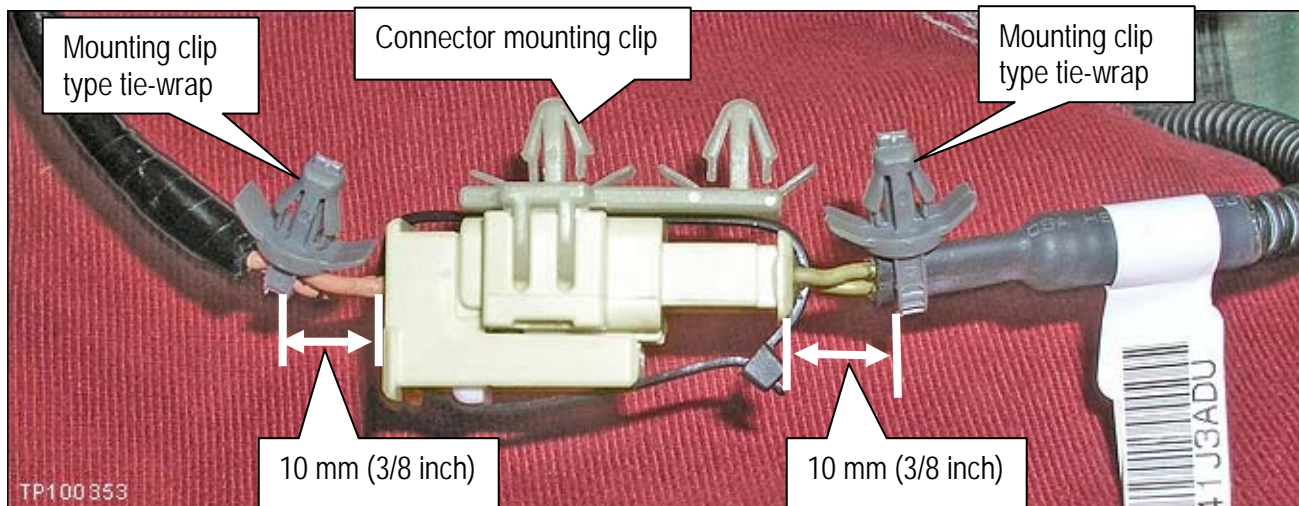


Figure 9

13. Mount the SAB connector on the new bracket as shown in Figure 10.

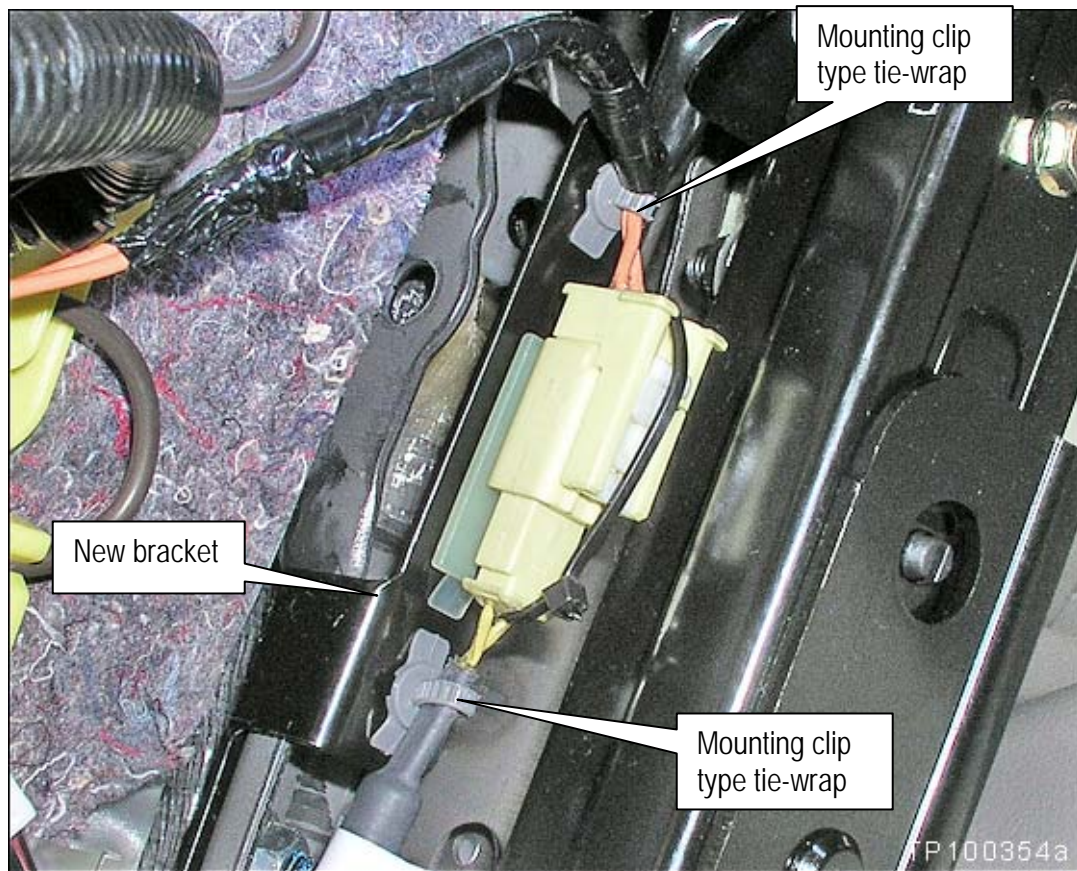


Figure 10

NOTE: Make sure a SAB connector kit is installed on both front seats.

14. Go to "Sedan – Belt Tension Sensor Connector Kit Installation" on the next page.

SEDAN: Belt Tension Sensor Connector Kit Installation (passenger seat only)

NOTE: Preparation steps should already have been done (see page 3).

1. Look under the front passenger seat, locate the tie-wrap shown in Figure 1a and separate the Belt Tension Sensor (BTS) harness from the tie-wrap as follows:
 - a. Carefully cut / remove the tie-wrap shown in Figure 1a.
 - b. Separate the BTS harness.
 - c. Install a new "mounting clip type" tie-wrap (P/N 24225 – 79960).
 - d. Cut excess tie-wrap flush so there are no sharp edges.

NOTE: Refer to BEFORE and AFTER in Figure 2a.

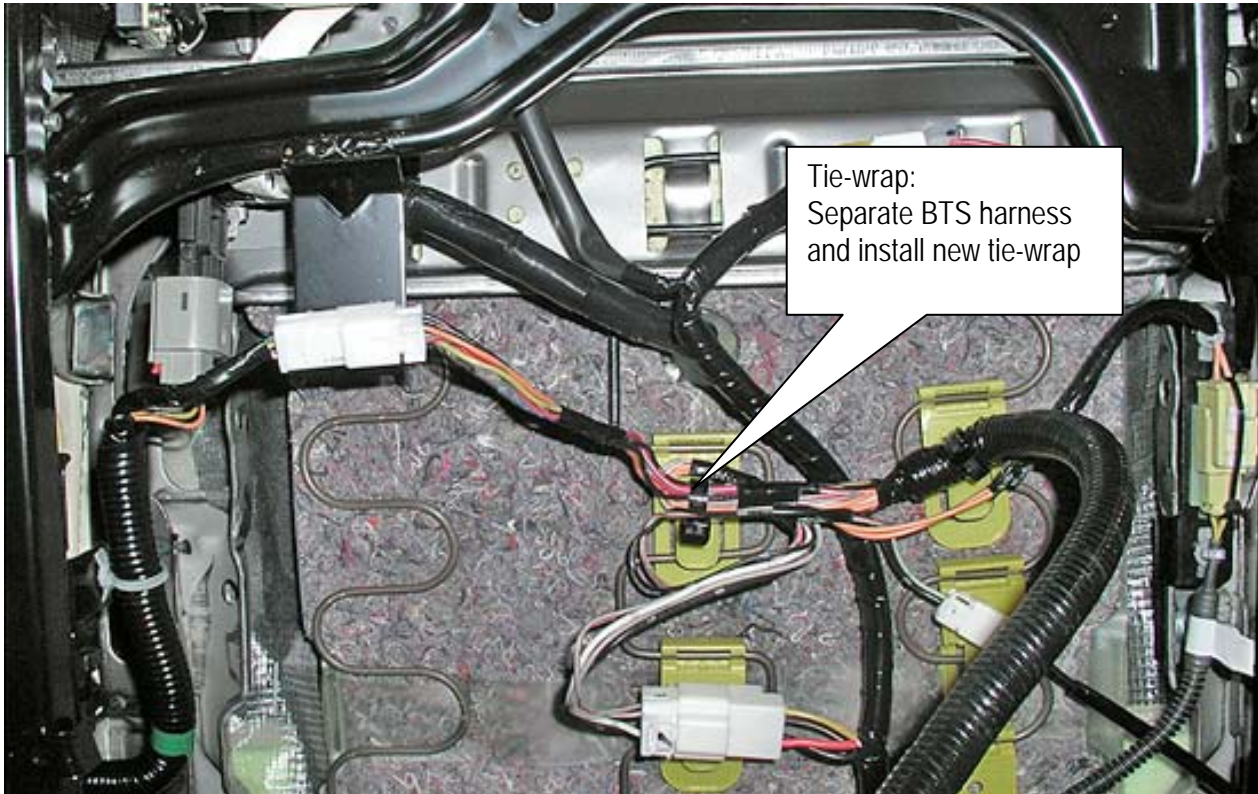


Figure 1a

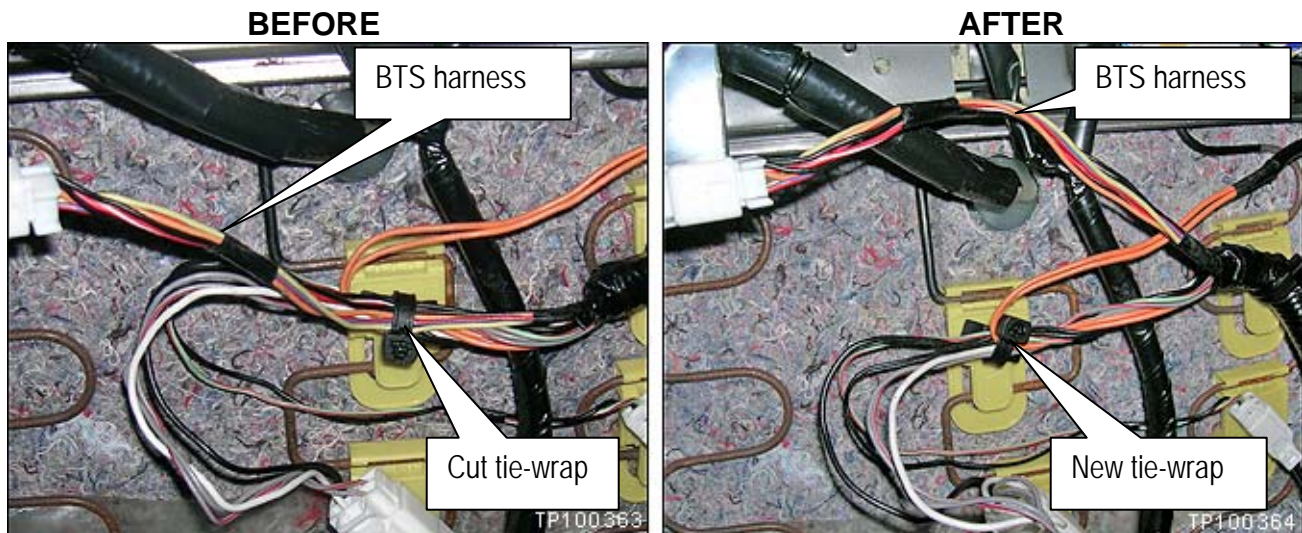


Figure 2a

Sedan BTS Connector

2. Look under the passenger seat; locate and unclip the Belt Tension Sensor (BTS) harness connector from the bracket.

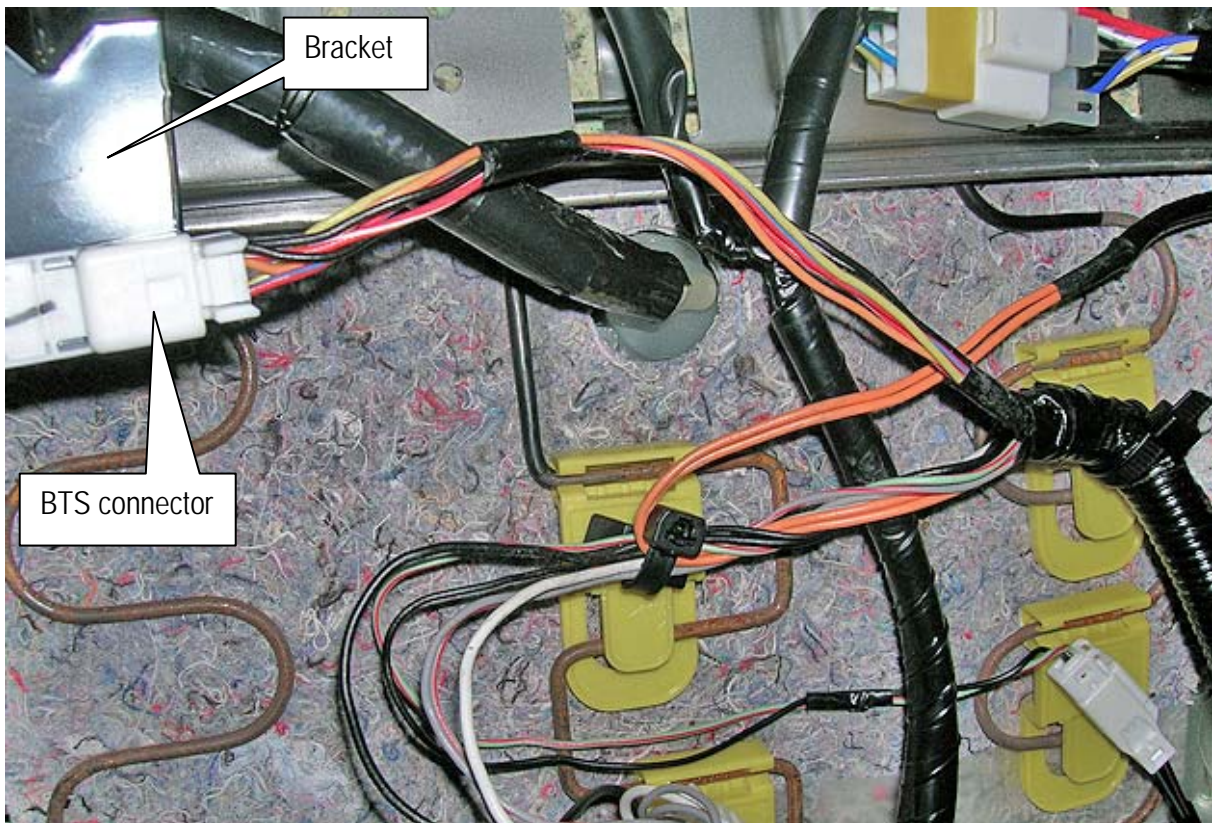


Figure 3a

3. Disconnect and reconnect the BTS connector 3 times.

NOTE: This step is used to clean the connector contacts and ensure good continuity through the connector.

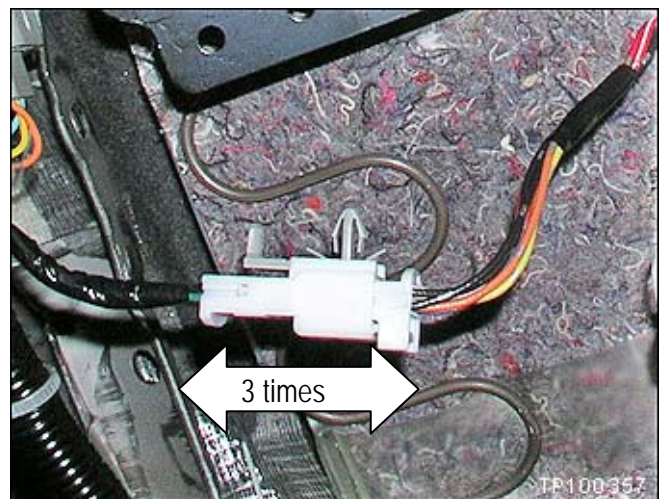


Figure 4a

5. Mix a small amount (about ½ ounce) of “5 MINUTE® EPOXY” in a suitable mixing tray.

NOTE: See the Parts Information for product detail and MSDS information.

CAUTION:

- Use chemical resistant gloves when handling this product.
- Wear safety glasses with side shields.



Figure 5a

6. Place covers on the floor and seat to protect against epoxy spills.
7. Apply the epoxy to the back side (wire gates) of the BTS connector (see Figure 6a).
 - Apply epoxy to all wire gates.
 - Work epoxy into the wire gates and around each wire.

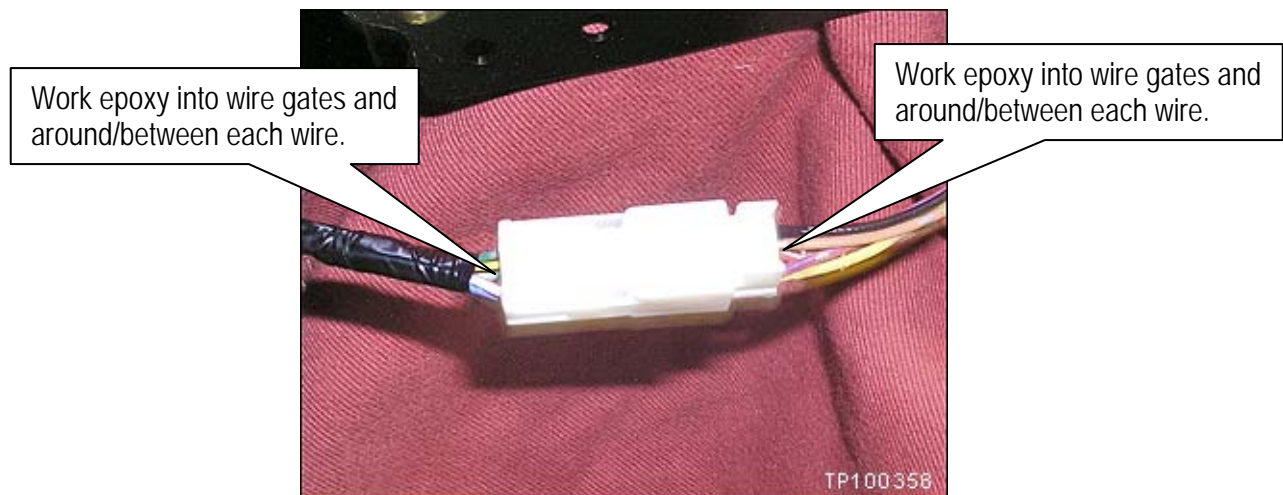


Figure 6a

NOTE: Leave the connector undisturbed for 5 minutes while the epoxy cures.

8. Install the new BTS connector bracket to the seat frame as shown in Figure 7a and torque the bolts:

- Bolt #1: 17.6 – 26.5 N•m (1.8 – 2.7 kg-m, 13 – 20 ft-lb).
- Bolt #2: 2.4 – 4.6 N•m (0.24 – 0.47 kg-m, 21 – 41 in-lb).

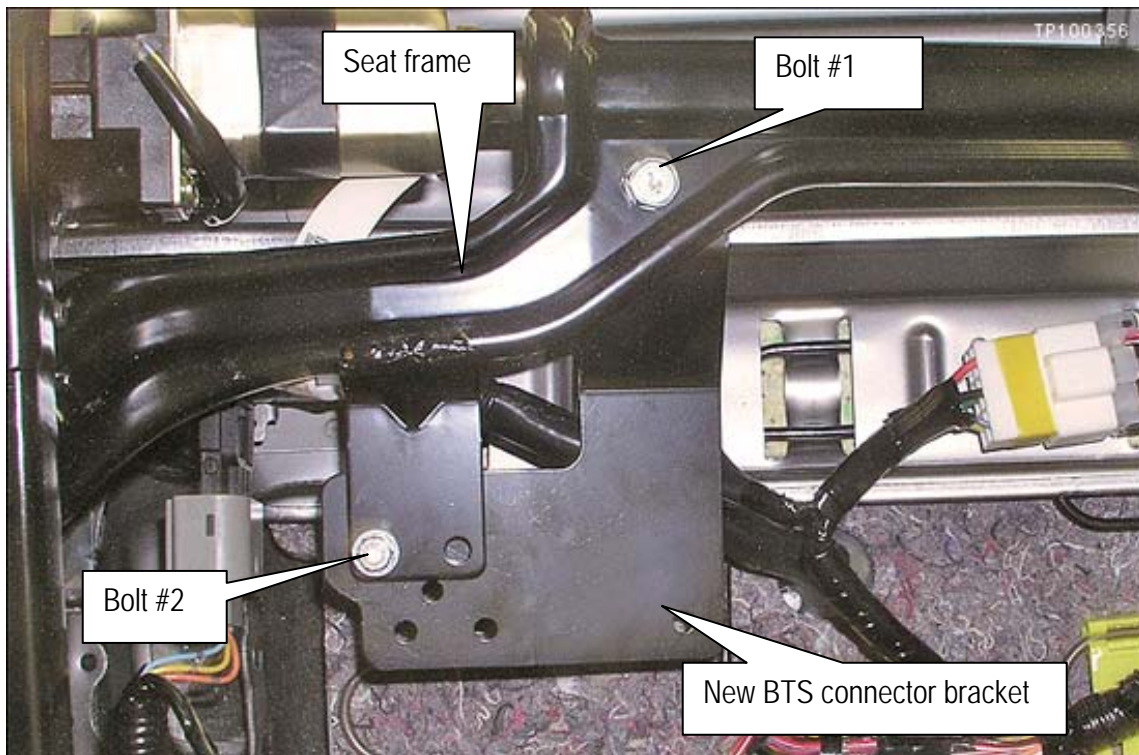


Figure 7a

9. Clip / snap the BTS connector onto the new bracket (see Figure 8a).
10. Install a tie-wrap (P/N 24216 – S5800) around the connector as shown in Figure 8a.
 - a. Route the tie-wrap through the hole in the bracket.
 - b. Position the tie-wrap so the excess end is not straight down.
 - c. Pull the tie-wrap tight.
 - d. Cut the excess tie-wrap flush so there is no sharp edge.
11. Install a “mounting clip type” tie-wrap (P/N 24225 - 79900) as shown in Figure 8a.

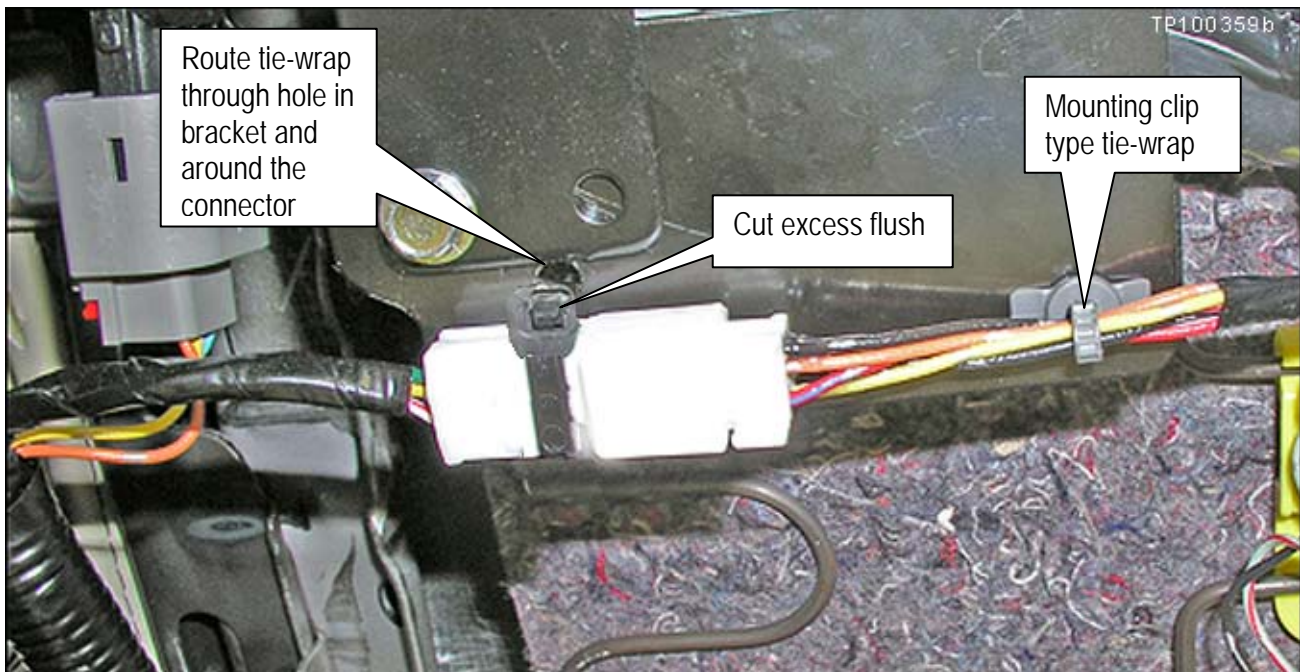


Figure 8a

14. After installation of SAB kit on both front seats and BTS kit on the passenger front seat, reinstall the seats in reverse order.
 - Torque for seat mounting bolts: 49 N•m (5.0 kg-m, **36 ft-lb**)
15. Go to “Final Steps After Installation of Side Air Bag and Belt Tension Sensor Connector Kits” on page 29.

COUPE: Driver Seat Side Air Bag Connector Kit Installation

NOTE: Preparation steps should already have been done (see page 3).

1. Look under the seat and locate the Side Air Bag (SAB) connector shown in Figure 1b.
2. Snap loose the SAB connector with clip from the mounting position.

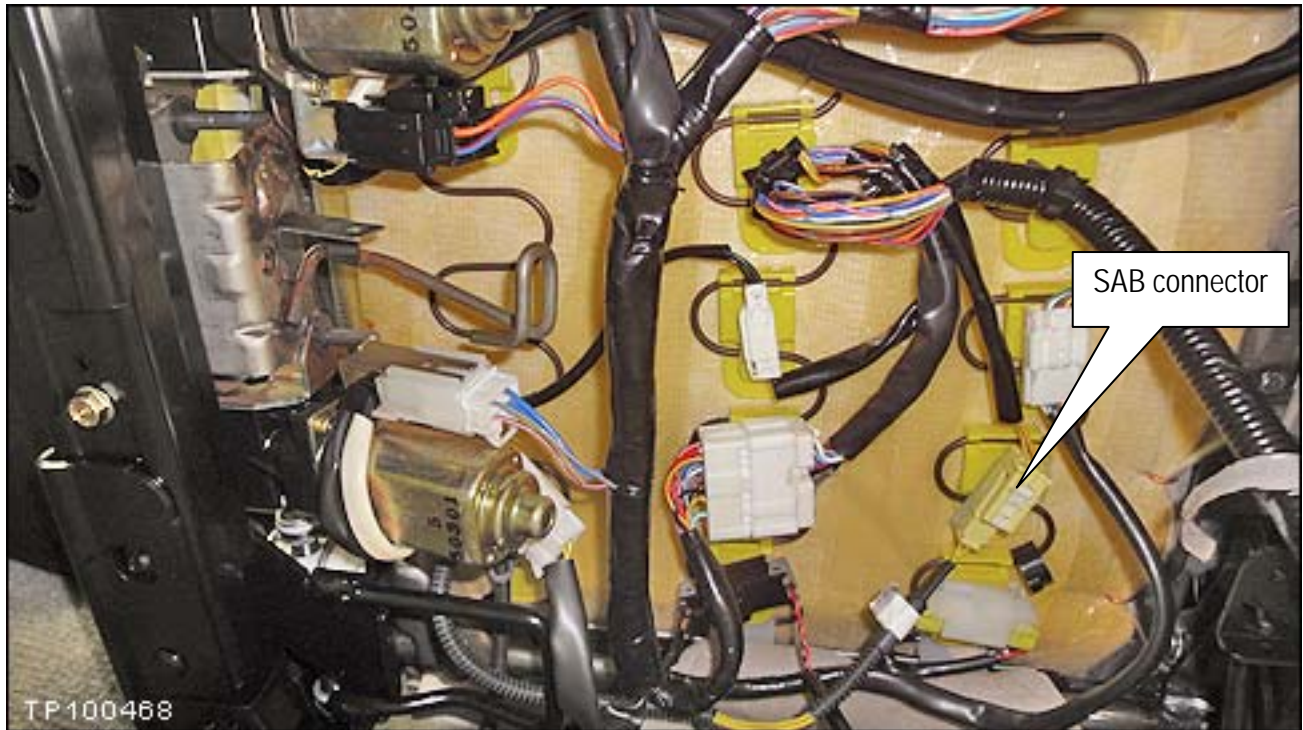


Figure 1b

3. Disconnect and reconnect the side air bag connector 3 times.

NOTE: This step is used to clean the connector contacts and ensure good continuity through the connector.

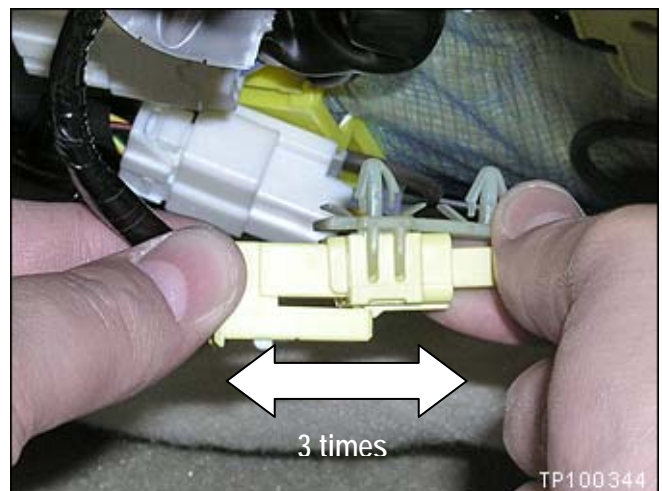


Figure 2b

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

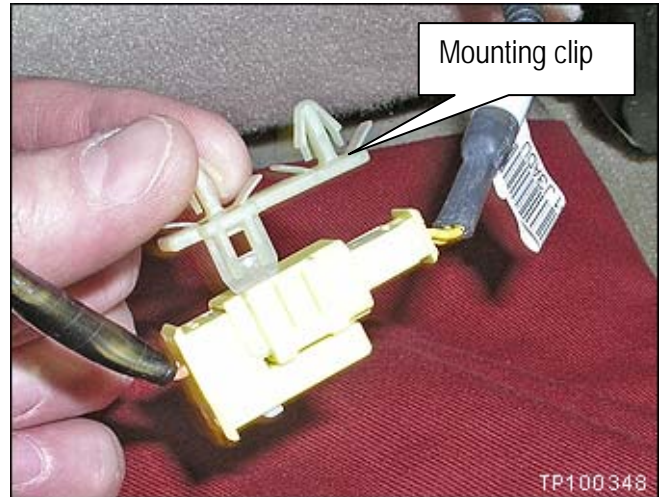


Figure 3b

5. Mix a small amount (about ½ ounce) of "5 MINUTE® EPOXY" in a suitable mixing tray.

NOTE: See the Parts Information for product detail and MSDS information.

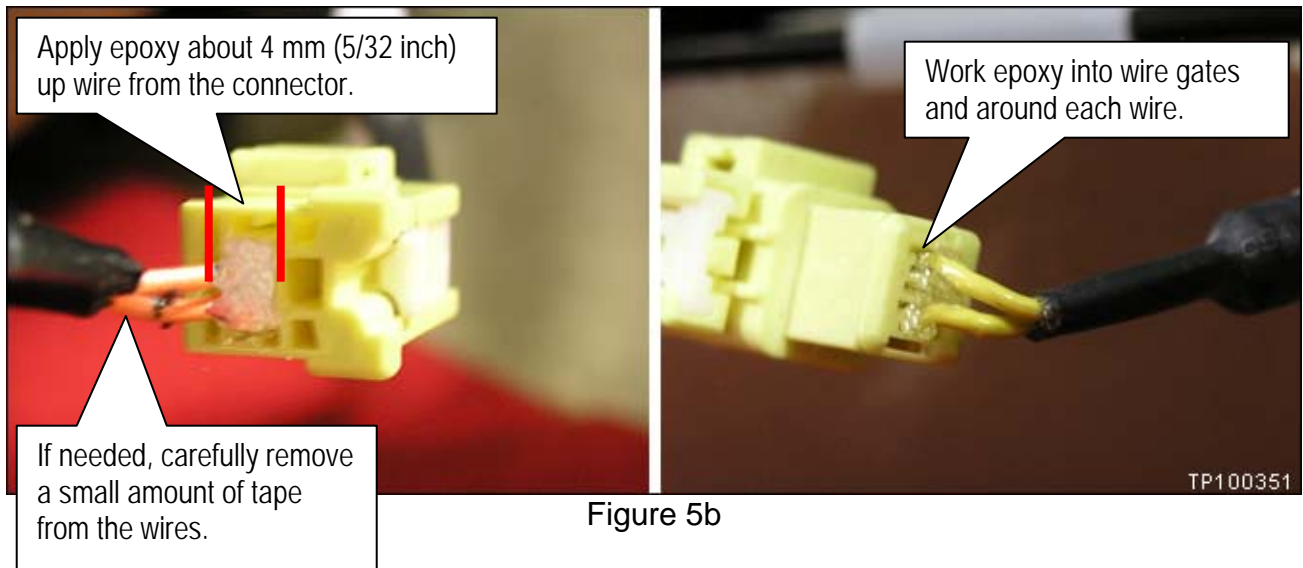
CAUTION:

- Use chemical resistant gloves when handling this product.
- Wear safety glasses with side shields.



Figure 4b

6. Place covers on the floor and seat to protect against epoxy spills.
7. Apply the epoxy to the back side (wire gates) of the side air bag harness connector (see Figure 5b).
 - Apply epoxy to all 4 wire gates.
 - Work epoxy into the wire gates and around each wire.
 - Apply epoxy about 4 mm (5/32 inch) up the wire from the connector.



8. Install a tie-wrap (P/N 24216 – AM00A) around the connector as shown in Figure 6b.
 - a. Route the tie-wrap between the wires.
 - b. Pull the tie-wrap tight.
 - c. Cut the excess tie-wrap flush so there is no sharp edge.



NOTE: Leave the connector undisturbed for 5 minutes while the epoxy cures.

Coupe Driver Seat SAB Connector

9. Attach 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 7b, 8b and 9b).

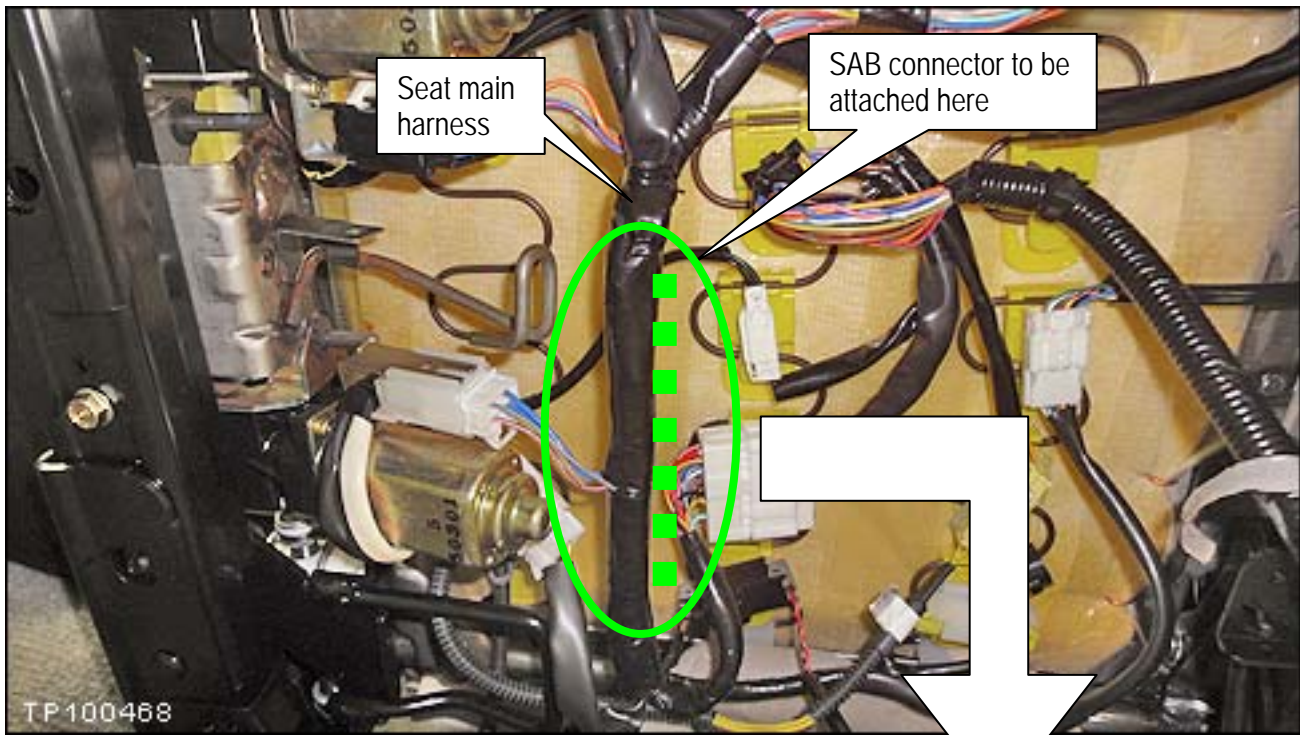


Figure 7b

- Make sure the connector is secured to the side of the harness as shown in Figure 8b.
- One tie-wrap (P/N 24216-S5800) - harness to connector - as shown in Figure 9b.
- Two tie-wraps (P/N 24216-S5800) - harness to harness - 15 mm (9/16 inch) from the connector as shown in Figure 9b.

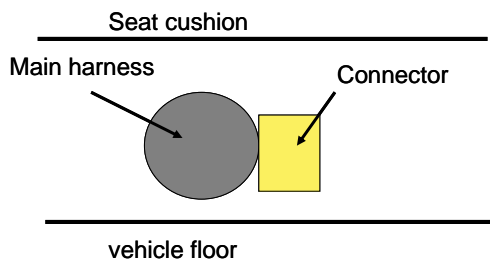


Figure 8b

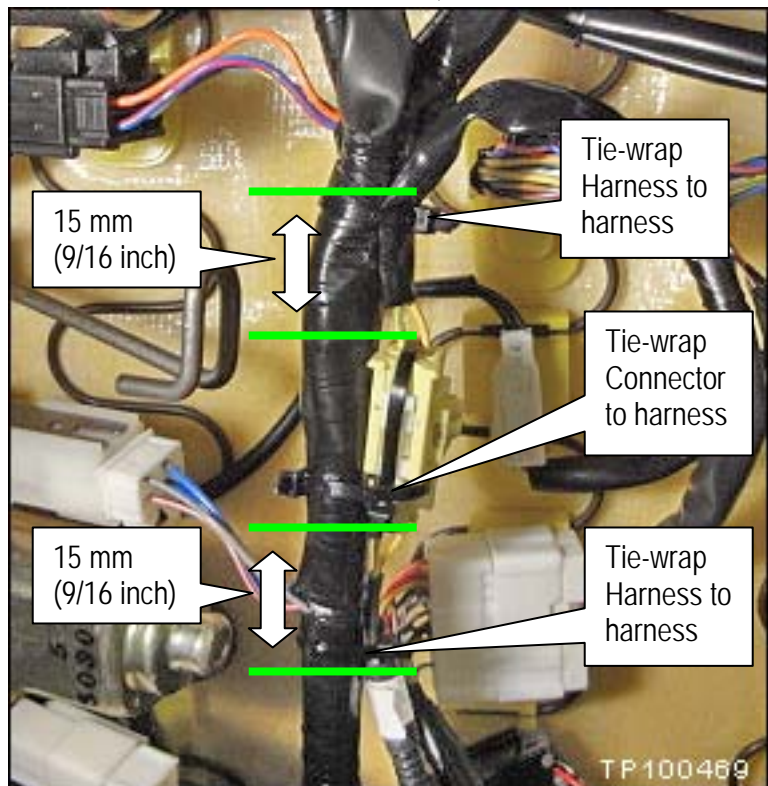


Figure 9b

Coupe Driver Seat SAB Connector

- b. Completely tape the SAB connector to the main harness as shown in Figure 10b.

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

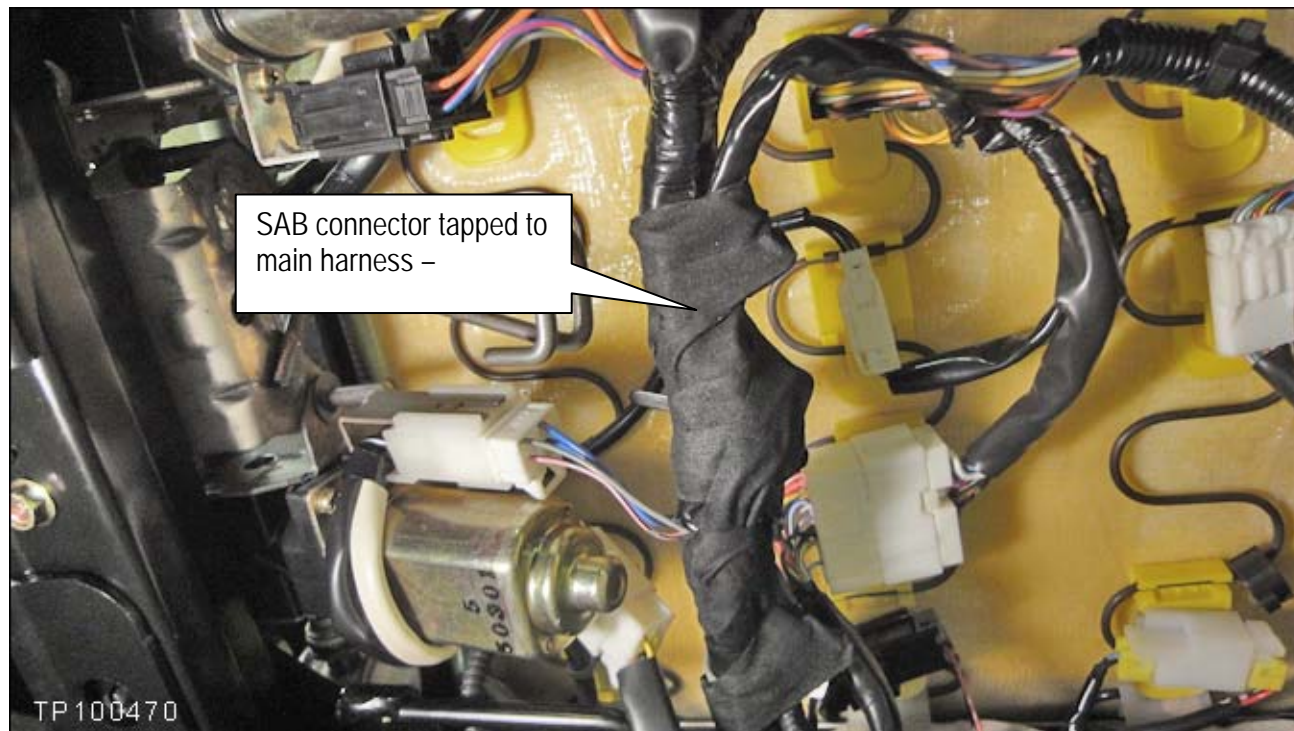


Figure 10b

10. Go to "COUPE: Front Passenger Seat Side Air Bag Connector Kit Installation" on the next page.

COUPE: Front Passenger Seat Side Air Bag Connector Kit Installation

NOTE: Preparation steps should already have been done (see page 3).

1. Look under the seat and locate the Side Air Bag (SAB) connector shown in Figure 1c.
2. Snap loose the side air bag connector with clip from the mounting position.

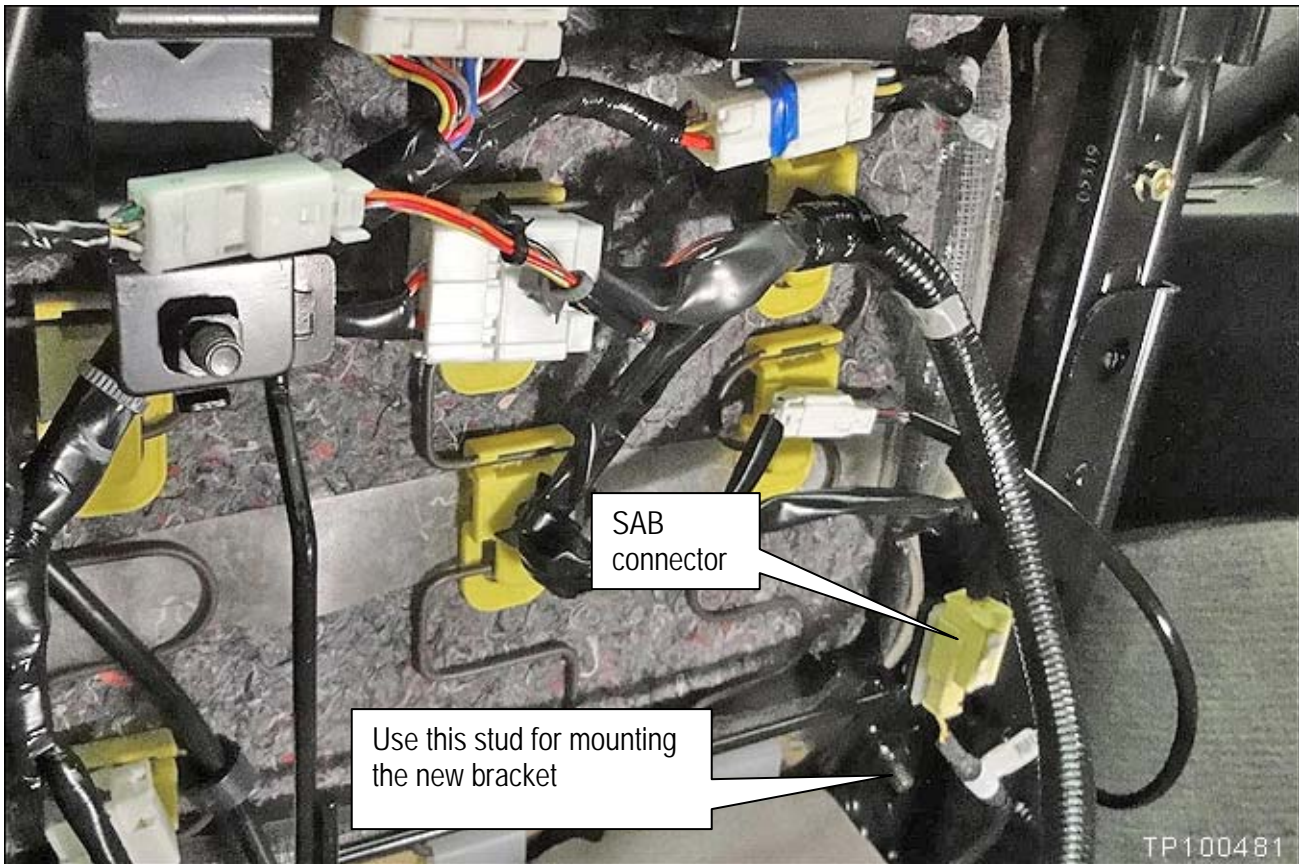


Figure 1c

Coupe Front Passenger Seat SAB Connector

3. Disconnect and reconnect the side air bag connector 3 times.

NOTE: This step is used to clean the connector contacts and ensure good continuity through the connector.

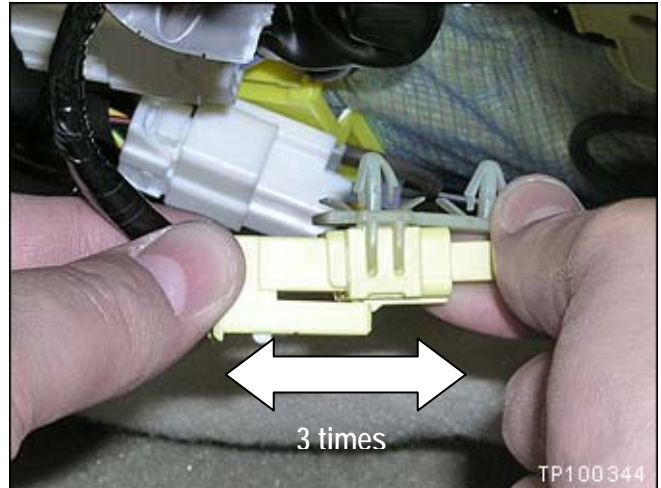


Figure 2c

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

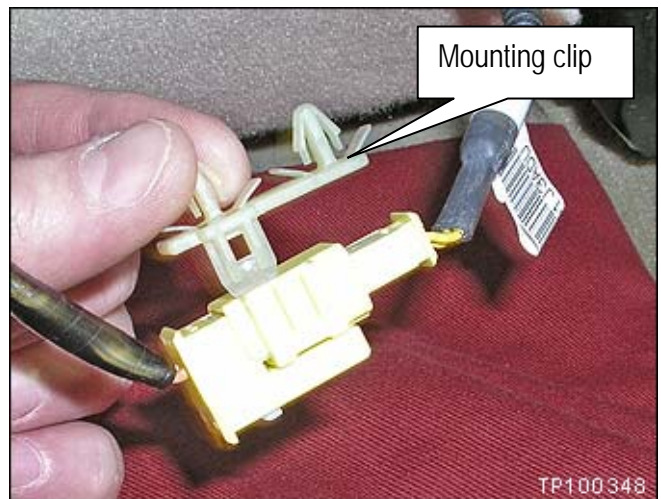


Figure 3c

5. Mix a small amount (about ½ ounce) of "5 MINUTE® EPOXY" in a suitable mixing tray.

NOTE: See the Parts Information for product detail and MSDS information.

CAUTION:

- Use chemical resistant gloves when handling this product.
- Wear safety glasses with side shields.



Figure 4c

6. Place covers on the floor and seat to protect against epoxy spills.
7. Apply the epoxy to the back side (wire gates) of the side air bag harness connector (see Figure 5c).
 - Apply epoxy to all 4 wire gates.
 - Work epoxy into the wire gates and around each wire.
 - Apply epoxy about 4 mm (5/32 inch) up the wire from the connector.

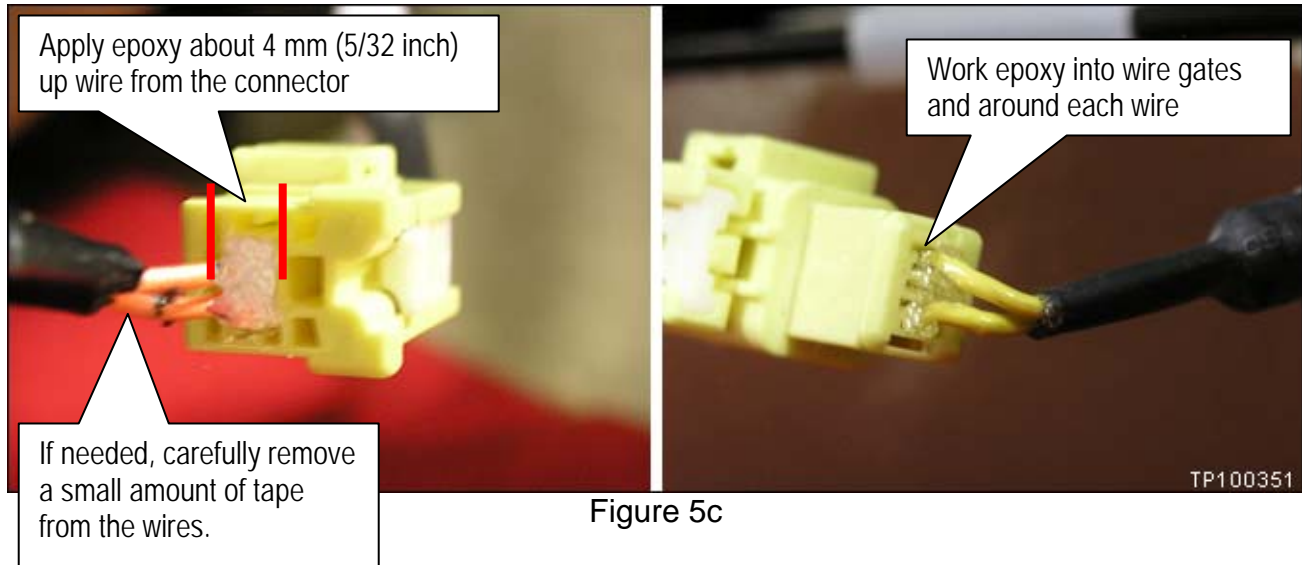


Figure 5c

8. Install a tie-wrap (P/N 24216 – AM00A) around the connector as shown in Figure 6c.
 - a. Route the tie-wrap between the wires.
 - b. Pull the tie-wrap tight.
 - c. Cut the excess tie-wrap flush so there is no sharp edge.



Figure 6c

NOTE: Leave the connector undisturbed for 5 minutes while the epoxy cures.

9. Reinstall the connector mounting clip (see Figure 7c).

10. Install 2 "mounting clip type" tie-wraps as shown in Figure 7c.

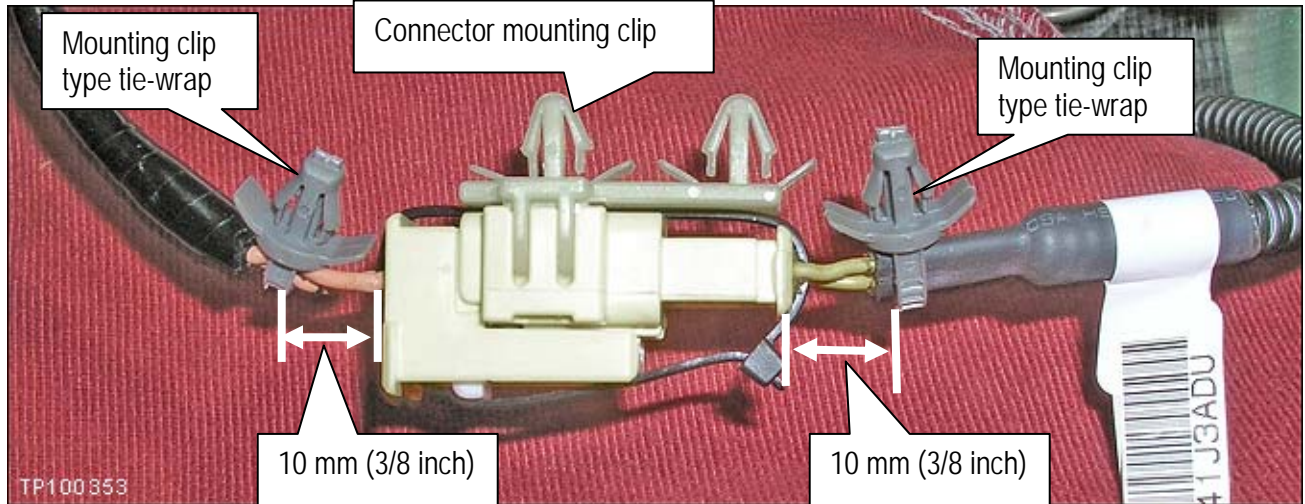


Figure 7c

11. Install the new bracket on the seat frame.

- Use the existing stud and a new nut.
- Torque nut to 17.6 – 26.5 N•m
(1.8 – 2.7 kg-m, 13 – 20 ft-lb).

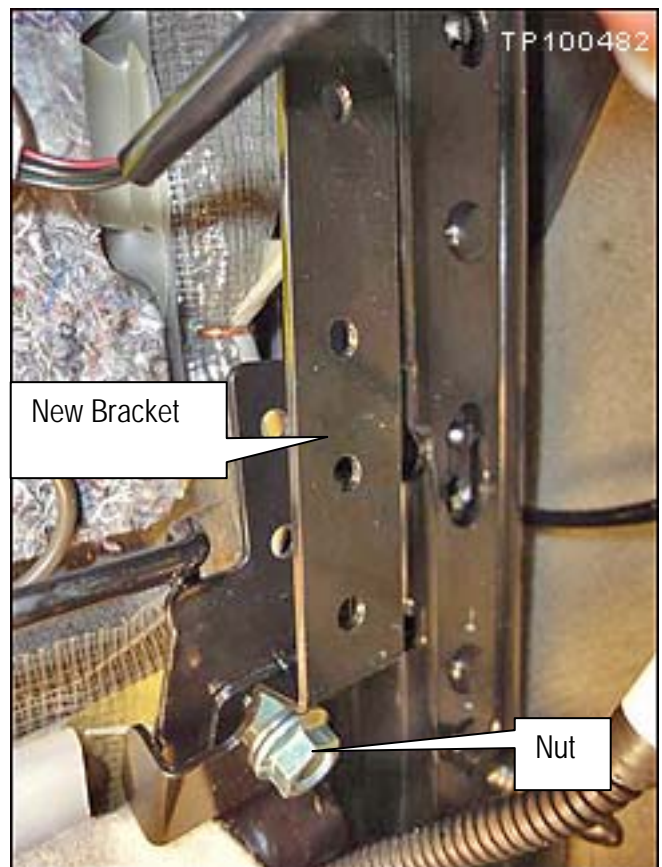


Figure 8c

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

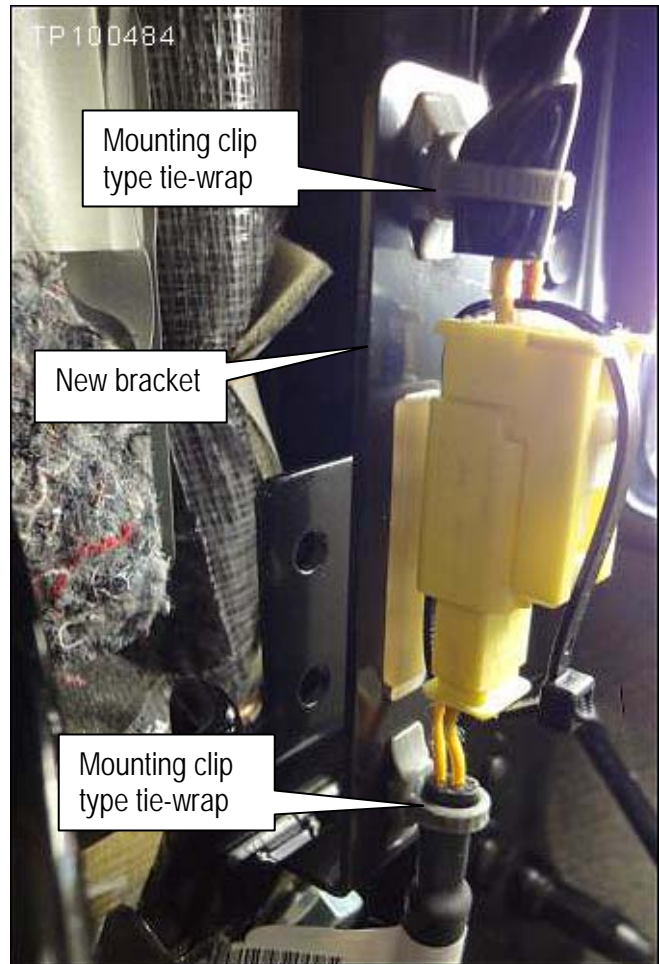


Figure 9c

13. Go to "Coupe – Belt Tension Sensor Connector Kit Installation" on the next page.

COUPE: Belt Tension Sensor Connector Kit Installation (passenger seat only)

NOTE: Preparation steps should already have been done (see page 3).

1. Look under the front passenger seat; locate and unclip the Belt Tension Sensor (BTS) harness connector from the bracket.

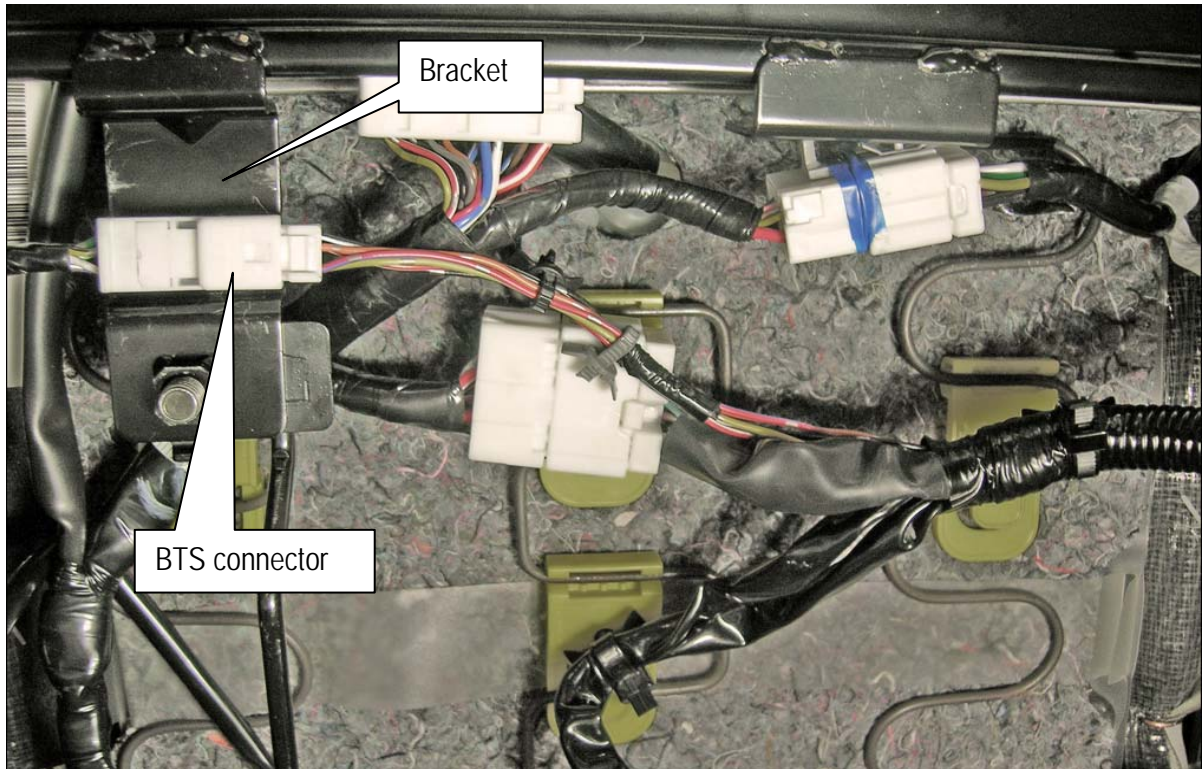


Figure 1d

2. Disconnect and reconnect the BTS connector 3 times.

NOTE: This step is used to clean the connector contacts and ensure good continuity through the connector.

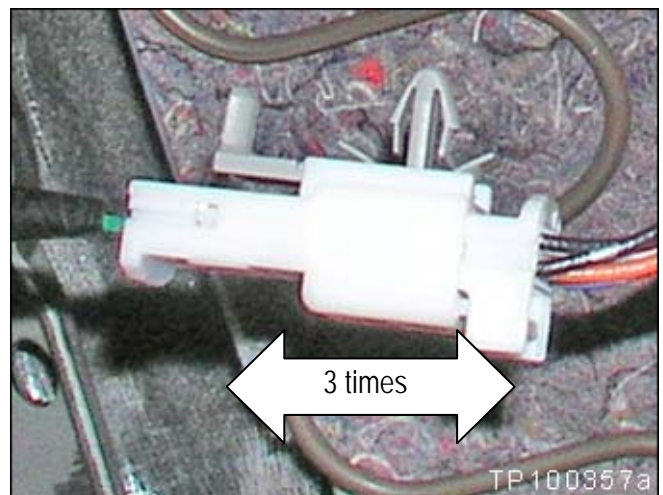


Figure 2d

- Mix a small amount (about ½ ounce) of "5 MINUTE® EPOXY" in a suitable mixing tray.

NOTE: See the Parts Information for product detail and MSDS information.

CAUTION:

- Use chemical resistant gloves when handling this product.
- Wear safety glasses with side shields.



Figure 3d

- Place covers on the floor and seat to protect against epoxy spills.
- Apply the epoxy to the back side (wire gates) of the BTS connector (see Figure 4d).
 - Apply epoxy to all wire gates.
 - Work epoxy into the wire gates and around each wire.

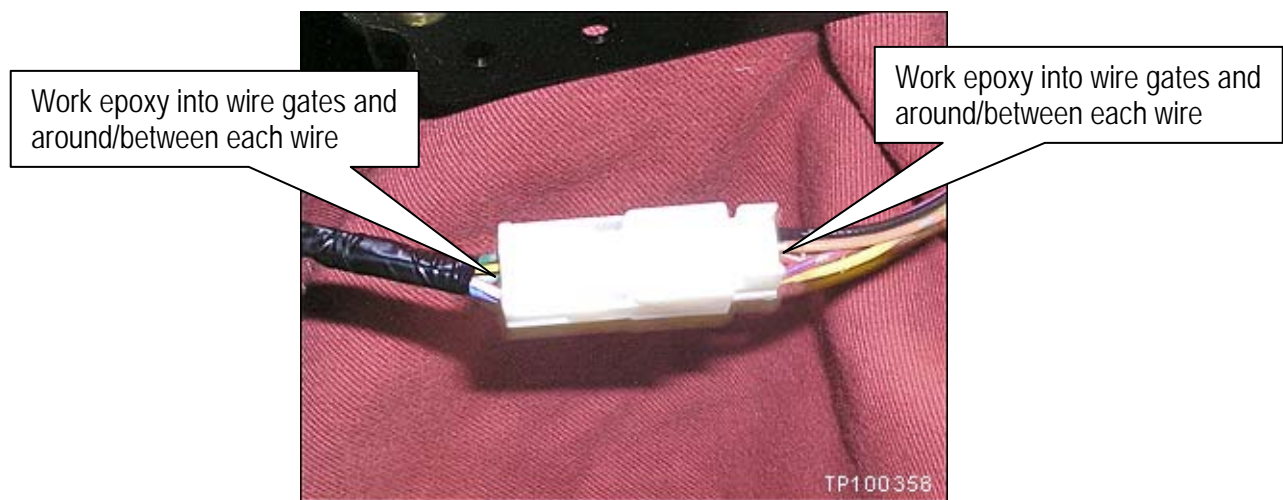


Figure 4d

NOTE: Leave the connector undisturbed for 5 minutes while the epoxy cures.

Coupe BTS Connector

- Clip / snap the BTS connector onto the new bracket (see Figure 5d).

NOTE: The bracket is loose (not mounted) at this point in the procedure.

- Install a tie-wrap (P/N 24216 – S5800) around the connector as shown in Figure 5d.
 - Route the tie-wrap through the holes in the bracket.
 - Position the tie-wrap so the excess end is not straight down.
 - Pull the tie-wrap tight.
 - Cut the excess tie-wrap flush so there is no sharp edge.
- Install a “mounting clip type” tie-wrap (P/N 24225 - 79900) as shown in Figure 5d.

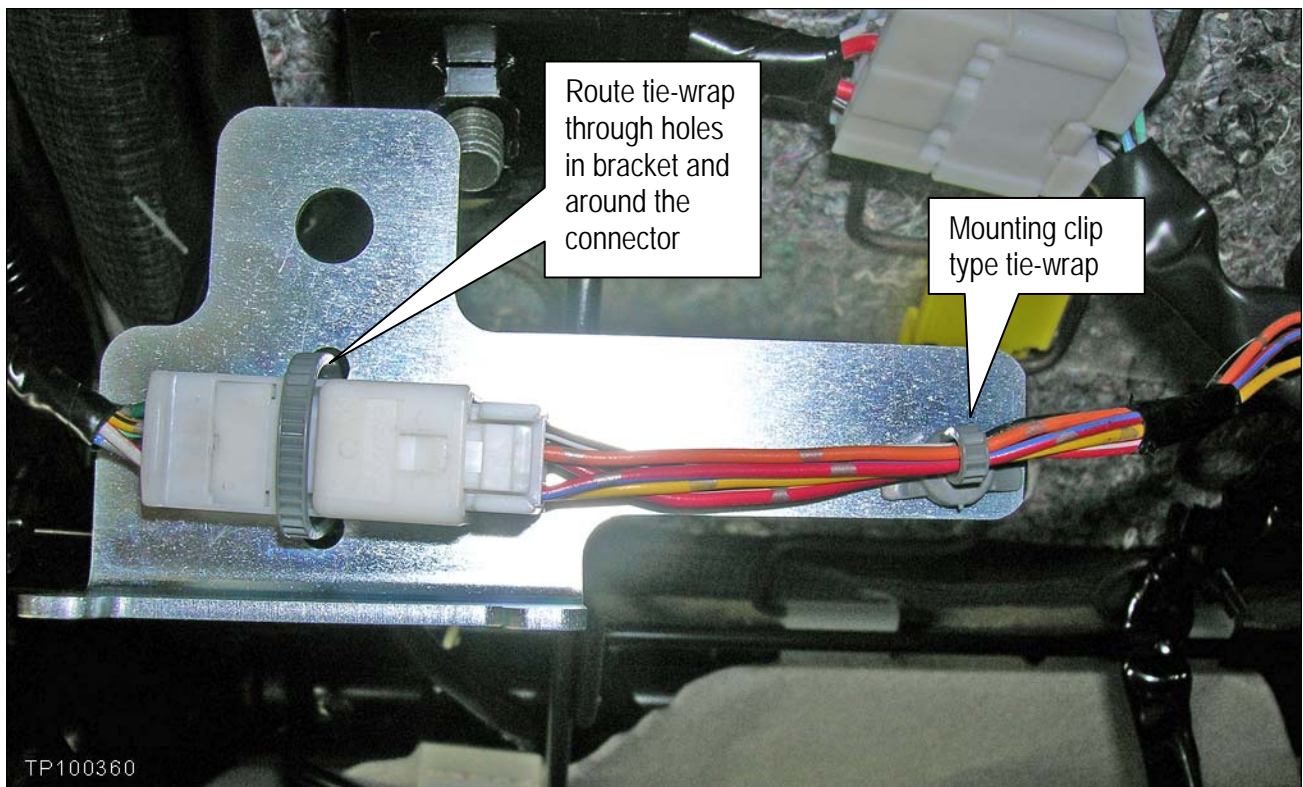


Figure 5d

9. Flip the new bracket over and mount it as shown in Figure 6d.
 - Torque nut to 17.6 – 26.5 N•m (1.8 – 2.7 kg-m, 13 – 20 ft-lb).

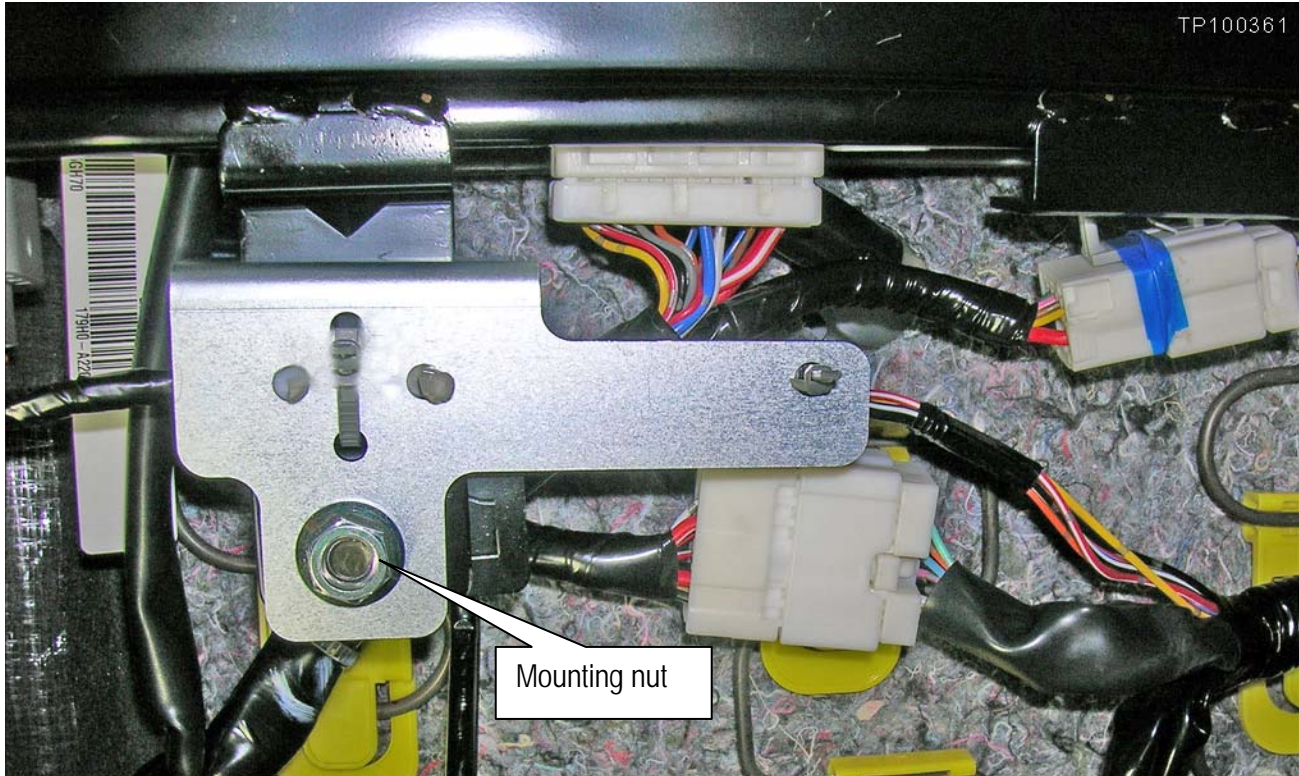


Figure 6d

10. After installation of SAB kit on both front seats and BTS kit on the passenger front seat, reinstall the seats in reverse order.
 - Torque for seat mounting bolts: 49 N•m (5.0 kg-m, 36 ft-lb)
11. Go to "Final Steps After Installation of Side Air Bag and Belt Tension Sensor Connector Kits" on the next page.

Final Steps After Installation of Side Air Bag and Belt Tensions Sensor 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 CONSULT-II or C-III to the vehicle and check air bag codes.
 - Erase SIDE MODULE RH or LH [OPEN] (B1129 or B1134) DTCs and/or BELT TENSION SEN [UNIT FAIL] (B1019) DTC that may be stored in Self Diagnosis Current or Self Diagnosis Past.
 - NOTE: If using C-III, air bag Self Diagnosis Past is under "Special Function" (see Figure B).
 - 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.

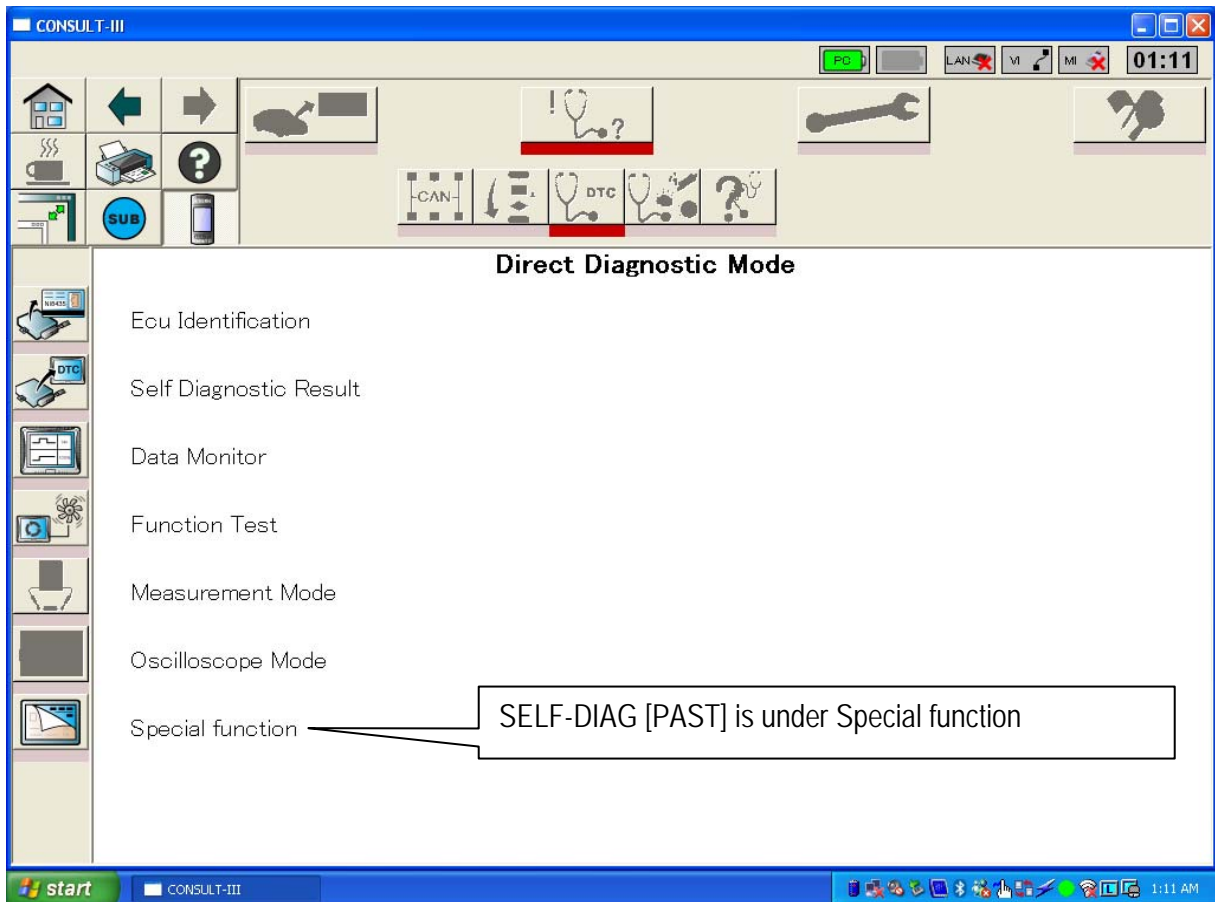


Figure B

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.

PARTS INFORMATION

MODEL	DESCRIPTION	PART #	QTY
G35 Sedan	Side Air Bag Connector Kit (Includes 2 bracket and 2 nut)	H7698 - CF91A	1
	Belt Tension Sensor Connector Bracket Kit (Includes bracket and 2 bolts)	H7506 - CF90A	1
	Clip (Tie-wrap for SAB connector)	24216 - AM00A	2
	Clip (Tie-wrap for BTS connector)	24216 - S5800	1
	Clip (Mounting clip type tie-wrap)	24225 - 79900	5
	Clip (Mounting clip type tie-wrap for seat harness)	24225 - 79960	1
	VersaChem 5 MINUTE® EPOXY GEL (or equivalent)	46509 (Local Source)	Shop Supply
G35 Coupe	Side Air Bag Connector Kit (Bracket and one nut)	H7698 - CF92A	1
	Belt Tension Sensor Connector Bracket Kit (Includes bracket and 1 nut)	H7698 - CF90A	1
	Clip (Mounting clip type tie-wrap)	24225 - 79900	3
	Clip (Tie-wraps)	24216 - S5800	8
	Clip (Tie-wrap for SAB connector)	24216 - AM00A	2
	Tape	24828 - AM00A	Shop Supply
	VersaChem 5 MINUTE® EPOXY GEL (or equivalent)	46509 (Local Source)	Shop Supply

NOTE:

- Use VersaChem 5 MINUTE® EPOXY GEL (item number 46509) or equivalent.
- VersaChem 5 MINUTE EPOXY® GEL is available from NAPA stores (NAPA item number is 765-2417)
- Refer to the VersaChem web site for MSDS information: www.versachem.com

CLAIMS INFORMATION

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

“CM” I.D.: R1019

G35 Sedan (V35)

DESCRIPTION	OP CODE	FRT
Relocate Front Seat Side Air Bag and Belt Tension Sensor Connectors (Install Front Seat Side Air Bag and Belt Tension Sensor Connector Kits)	R10190	0.9 hrs.

OR

G35 Coupe (CV35)

DESCRIPTION	OP CODE	FRT
Relocate Front Seat Side Air Bag and Belt Tension Sensor Connectors (Install Front Seat Side Air Bag and Belt Tension Sensor Connector Kits)	R10191	0.9 hrs.

OWNER'S LETTER

Dear Infiniti G35 Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Infiniti has decided that a defect which relates to motor vehicle safety exists in some 2005 model year G35 sedan and 2005 model year G35 coupe vehicles. Our records indicate that you own or lease the Infiniti vehicle identified by the VIN on the cover of this notice.

Reason for Recall

On some of the potentially affected vehicles, the passenger air bag harness connector under the front passenger seat can develop additional electrical resistance due to wear caused by movement within the connector. This resistance could cause the passenger air bag in your vehicle to deactivate. If this occurs, the **RED** air bag warning light will illuminate and the amber front passenger air bag status lamp will illuminate to alert you that the passenger air bag is not operating. If this condition is ignored, it could result in the passenger air bag not inflating in a crash, potentially increasing the front passenger's risk of injury.

What Infiniti Will Do

Your Infiniti dealer will repair the passenger air bag harness located under the seat.

In addition to this corrective remedy, to assure your continued satisfaction and confidence in your G35, your dealer will relocate and secure the connector for the seat-mounted side air bags in your vehicle. The purpose for doing this enhancement is to help ensure that the seat-mounted side air bags in your vehicles continue to operate properly.

This free service should take about 3 hours to complete, but your Infiniti dealer may require your vehicle for a longer period of time based upon their work schedule.

What You Should Do

Contact your Infiniti dealer at your earliest convenience in order to arrange an appointment to have your vehicle repaired.

NOTE:

- If a **RED** air bag warning light located in your instrument cluster illuminates together with the **YELLOW** "Pass Air Bag Off" status light (located in the center display next to the clock) and stays on for longer than a few seconds, the passenger airbag in your vehicle will not operate. If this happens, you should take your car to an Infiniti dealer for repair as soon as possible, and you should not let anyone ride in the front passenger seat until the dealer has repaired your vehicle.
- If a **YELLOW** "Pass Air Bag Off" status light (located in the center display next to the clock) illuminates, but the **RED** air bag warning light does not, this is normal and does not mean that the passenger air bag is malfunctioning (see your Owners Manual). However, you should still bring your vehicle for repair at your earliest convenience.

Please bring this notice with you when you keep your service appointment. Instructions have been sent to your Infiniti dealer.

If you have previously paid to have your passenger air bag harness repaired prior to this campaign, you may be eligible for reimbursement of the related expense. Please contact the National Consumer Affairs Department, Infiniti Division, Nissan North America, Inc., P.O. Box 685003, Franklin, TN 37068-5003. The toll free number is 1-800-662-6200. You may also contact the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Thank you for your cooperation. We are indeed sorry for any inconvenience this may cause you.