

Reference:

ITB10-030

Date:

July 9, 2010

**VOLUNTARY SAFETY RECALL CAMPAIGN  
2006 G35 SEDAN AND 2006 – 2007 G35 COUPE  
SEAT BELT TENSION SENSOR HARNESS CONNECTOR**

**CAMPAIGN ID #:** R1016  
**NHTSA #:** 10V-175  
**APPLIED VEHICLES:** 2006 G35 Sedan (V35)  
2006 – 2007 G35 Coupe (CV35)

**Check Service COMM to confirm campaign eligibility.**

## INTRODUCTION

On certain MY 2006 G35 Sedan and 2006-2007 G35 Coupe 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.

## IDENTIFICATION NUMBER

Infiniti has assigned identification number R1016 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.

## SERVICE PROCEDURE

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 the front passenger seat forward and remove the rear mounting bolts.
4. Move the front passenger seat to the full rear position.
5. Adjust the seatback (recline) to the full forward position.
6. Remove the front mounting bolts for the front passenger seat.
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 backward as far as possible without overstretching the seat wiring harness.



Figure 1

10. **For Sedan only:** Look under the seat, locate the tie-wrap shown in Figure 2 and separate the BTS harness from the tie-wrap as follows:
- Carefully cut / remove the tie-wrap shown in Figure 2.
  - Separate the BTS harness.
  - Install a new “mounting clip type” tie-wrap (P/N 24225 – 79960).
  - Cut excess tie-wrap flush so there are no sharp edges.

**NOTE:** Refer to BEFORE and AFTER in Figure 3.

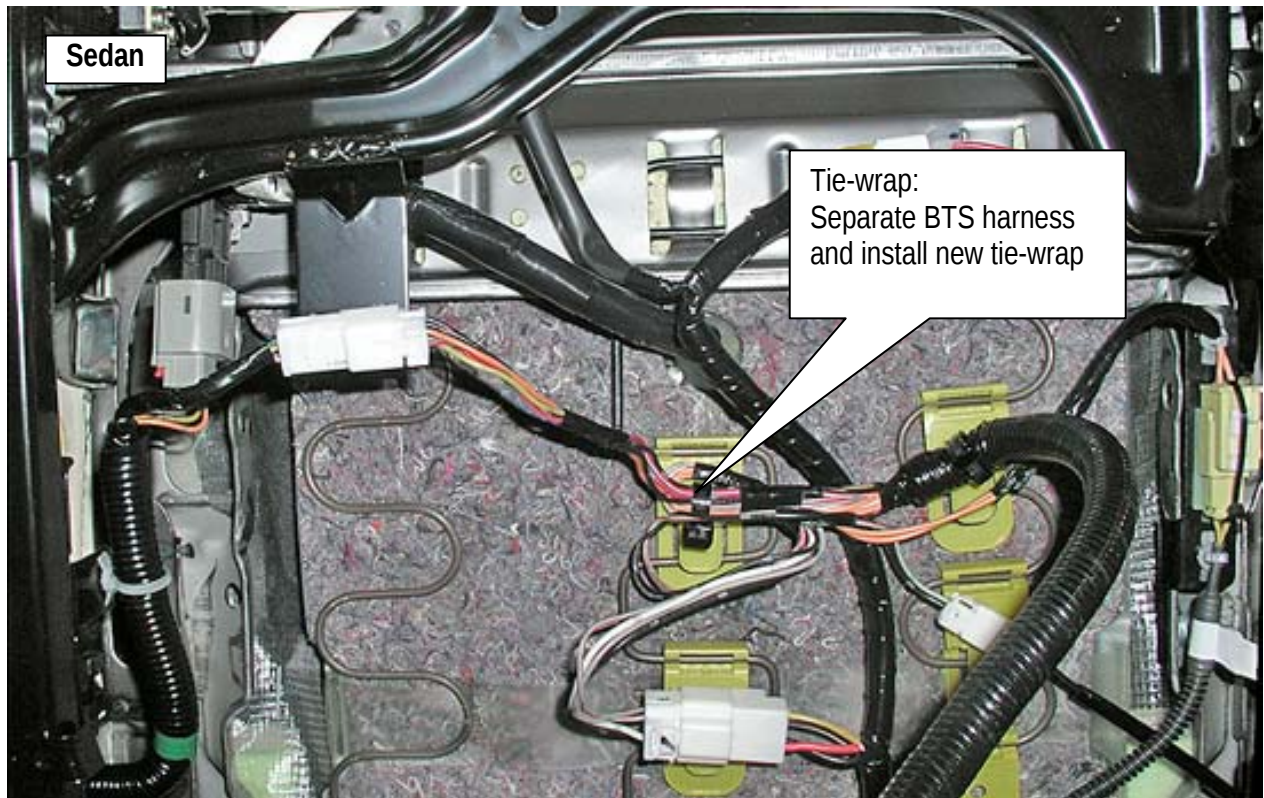


Figure 2

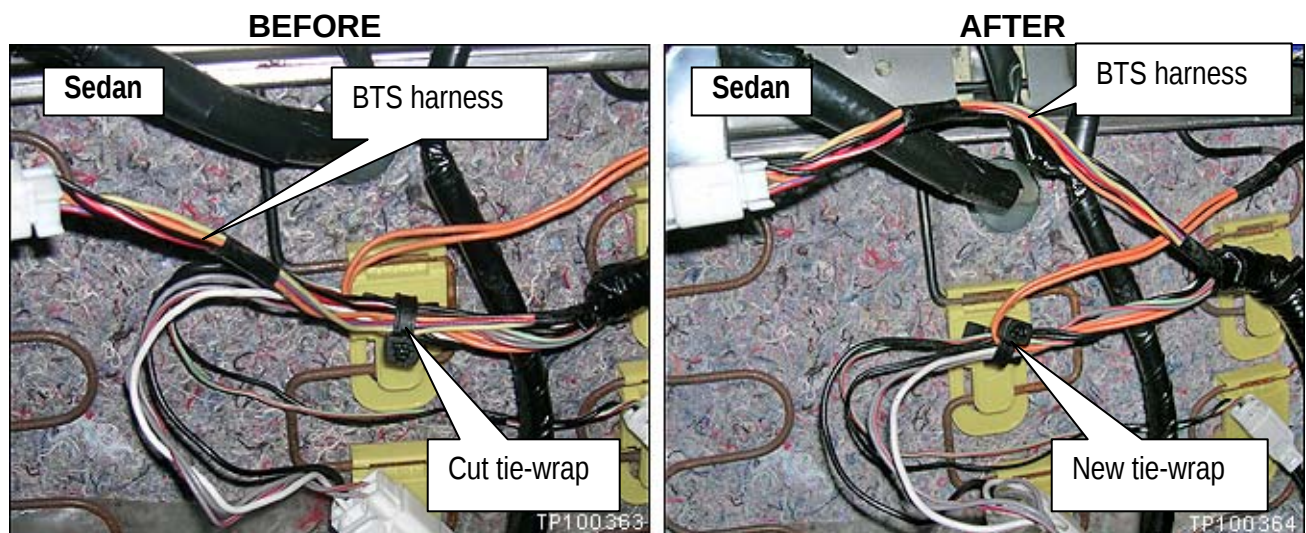


Figure 3

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

- Sedan shown in Figure 4.
- Coupe shown in Figure 4A.

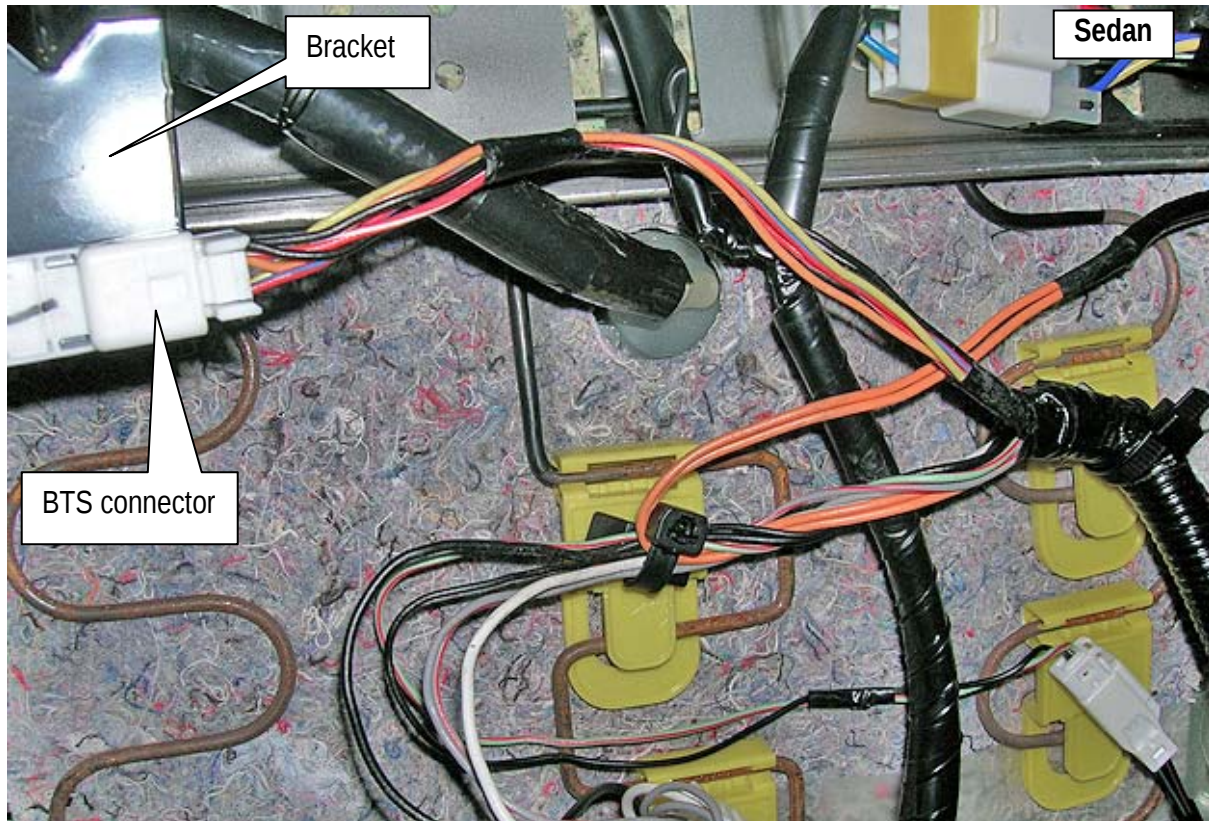


Figure 4

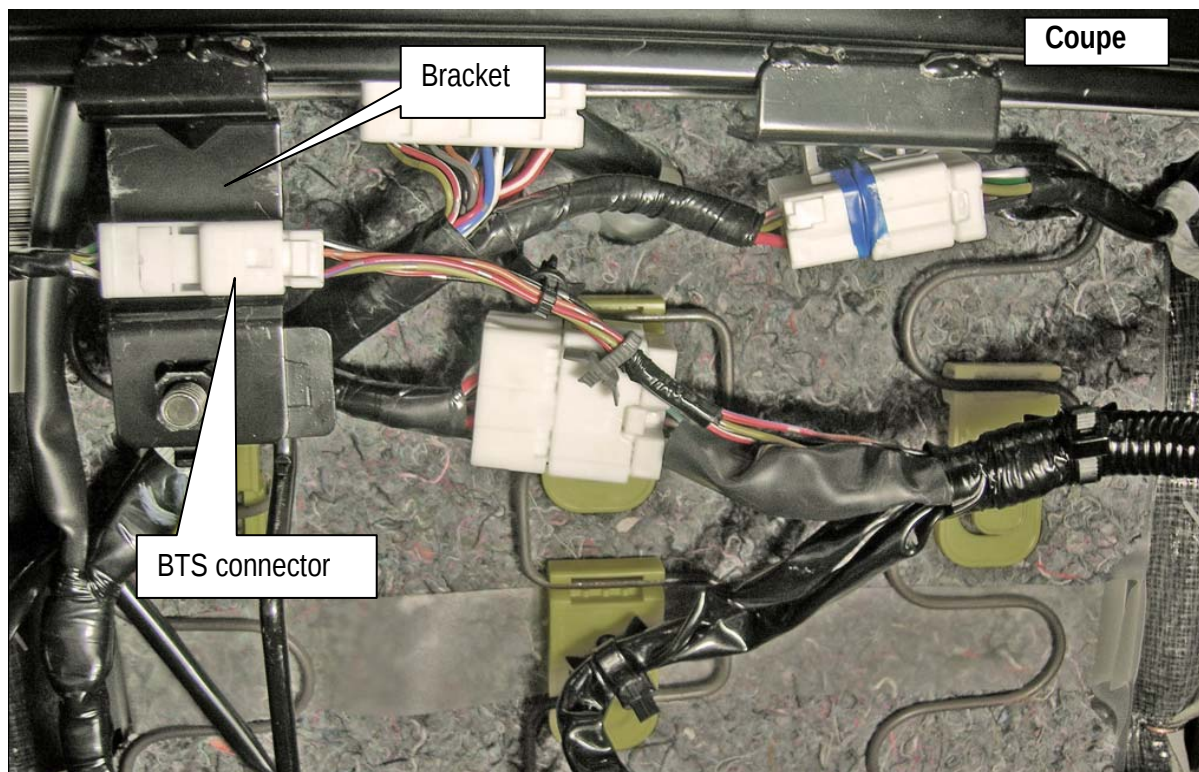


Figure 4A

12. 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.

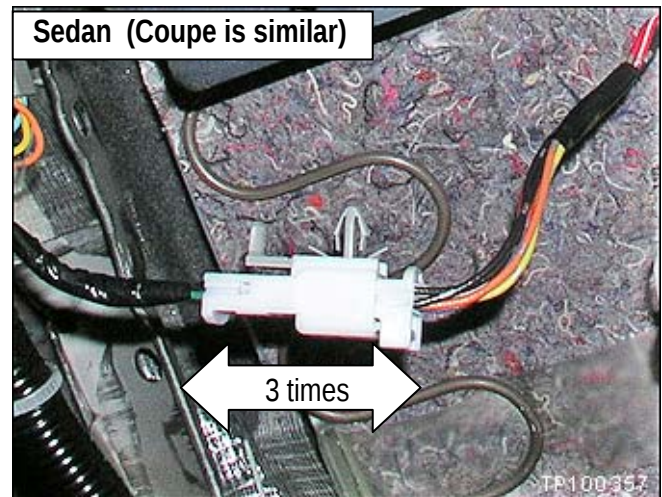


Figure 5

13. 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

14. Place covers on the floor and seat to protect against epoxy spills.

15. Apply the epoxy to the back side (wire gates) of the BTS connector (see Figure 7).

- Apply epoxy to all wire gates.
- Work epoxy into the wire gates and around each wire.

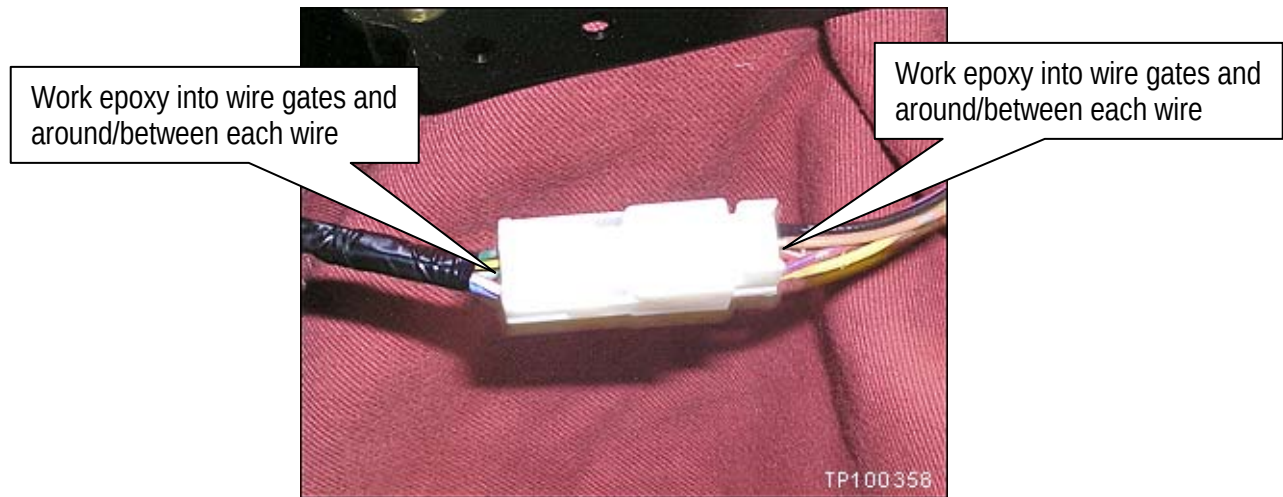


Figure 7

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

16. **For Sedan Only:** Install the new BTS connector bracket to the seat frame as shown in Figure 8 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**).

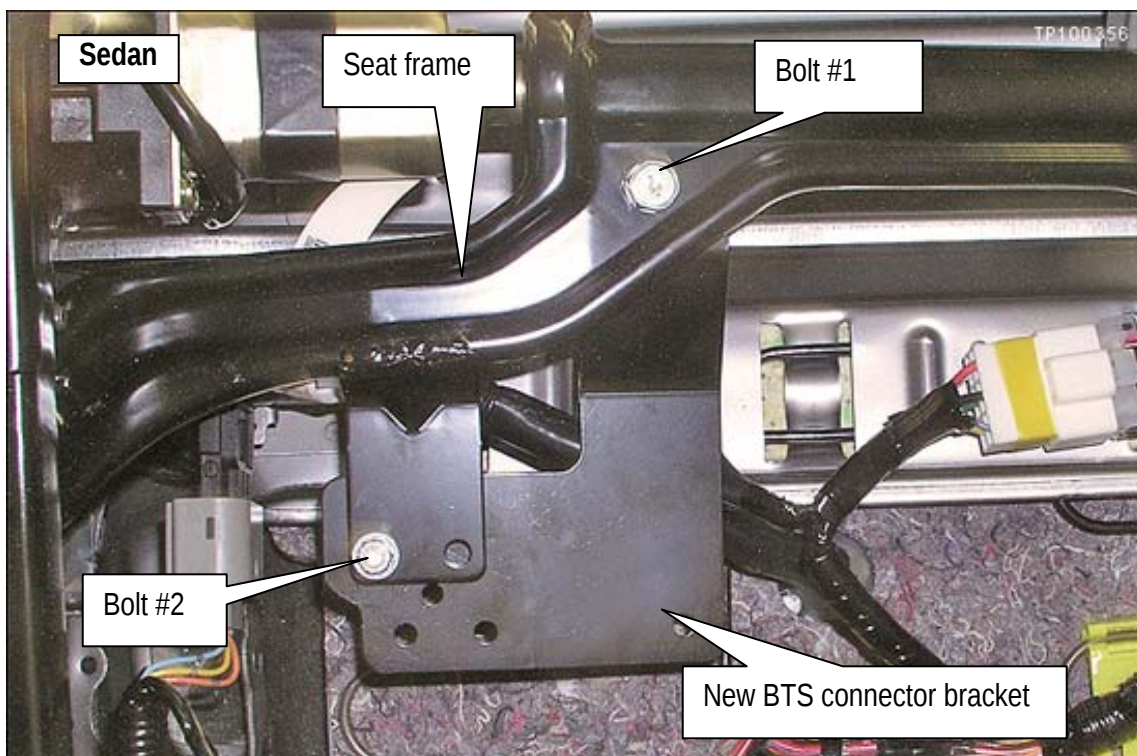


Figure 8

17. Clip the BTS connector onto the new bracket.

- Sedan shown in Figure 9 below.
- Coupe shown in Figure 9A on the next page.

18. Install a tie-wrap (P/N 24216 – S5800) around the connector as shown.

- Sedan shown in Figure 9 below.
  - Coupe shown in Figure 9A on the next page.
- a. Route the tie-wrap through the hole(s) 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.

19. Install a “mounting clip type” tie-wrap (P/N 24225 - 79900) as shown.

- Sedan shown in Figure 9 below.
- Coupe shown in Figure 9A on the next page.

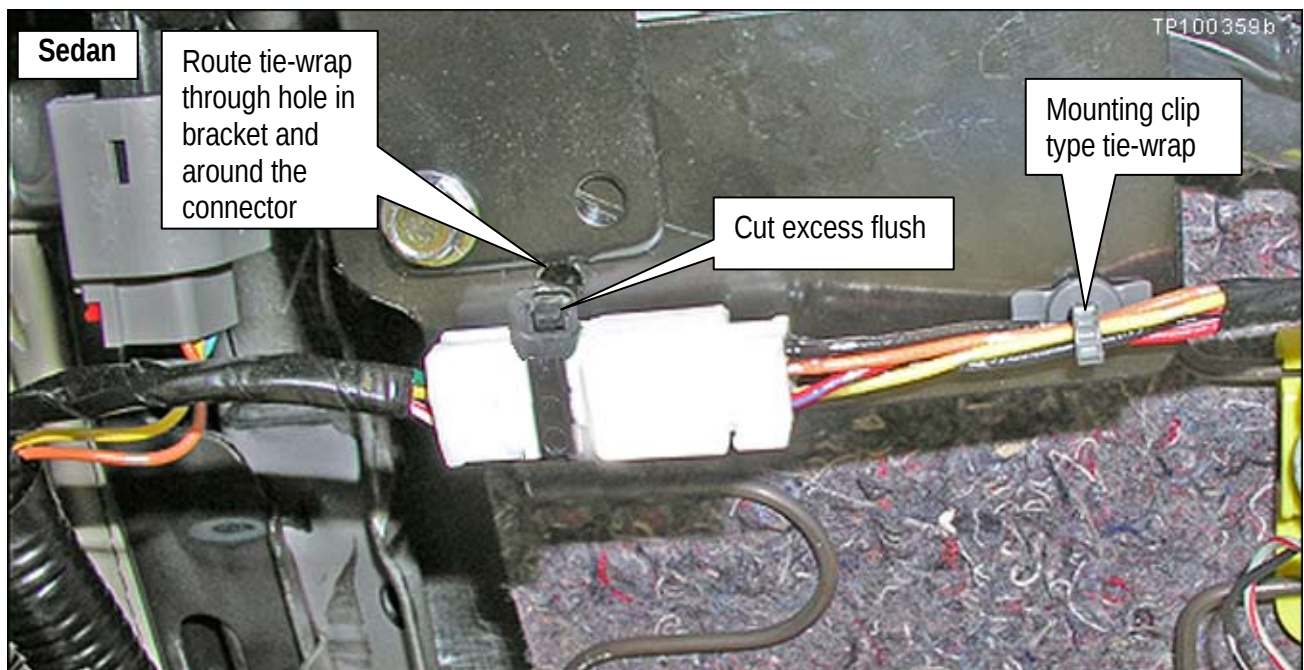


Figure 9

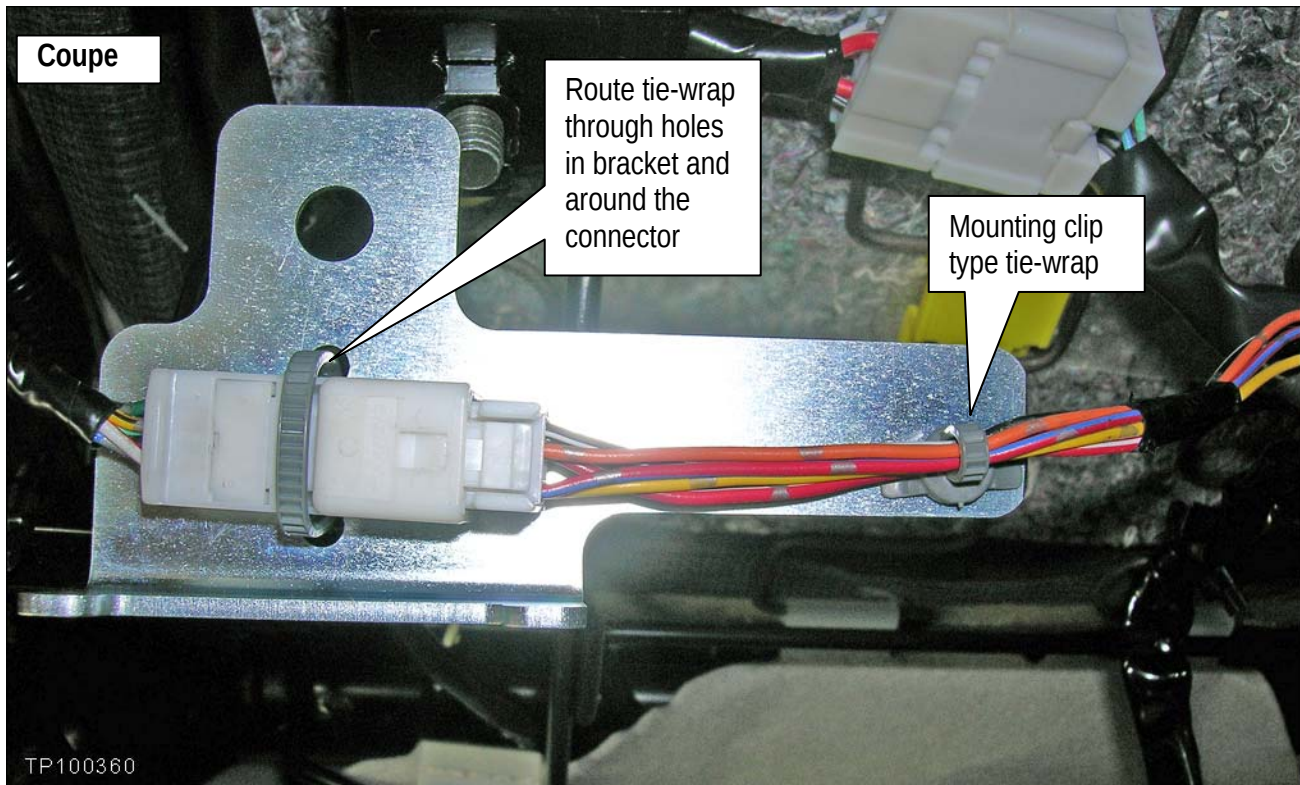


Figure 9A

20. For **Coupe** only: Flip the new bracket over and mount it as shown in Figure 10.

- Torque nut to 17.6 – 26.5 N•m (1.8 – 2.7 kg-m, **13 – 20 ft-lb**).

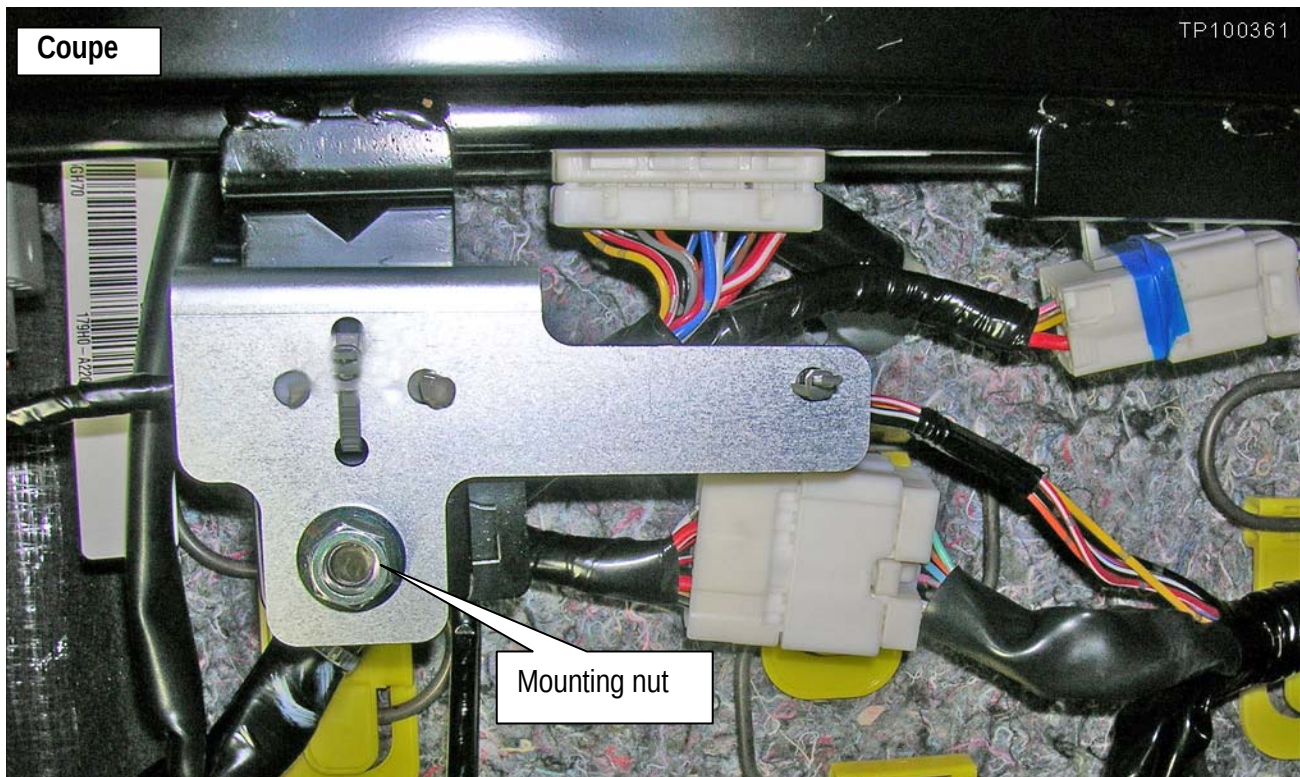


Figure 10

21. Reinstall the seat in reverse order.

- Seat mounting bolt torque: 49 N•m (5.0 kg-m, **36 ft-lb**).

22. Connect the battery cables, positive cable first.

23. Reset the clock and the radio station presets.

24. Reset / Re-initialize power windows, power sunroof, ATC, etc. as needed.

- For details, refer to Additional Service When Removing Battery Negative Terminal in the GI section of the appropriate Service Manual.

25. Connect CONSULT-II or C-III to the vehicle and check air bag codes.

- Erase 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 11).

- 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.

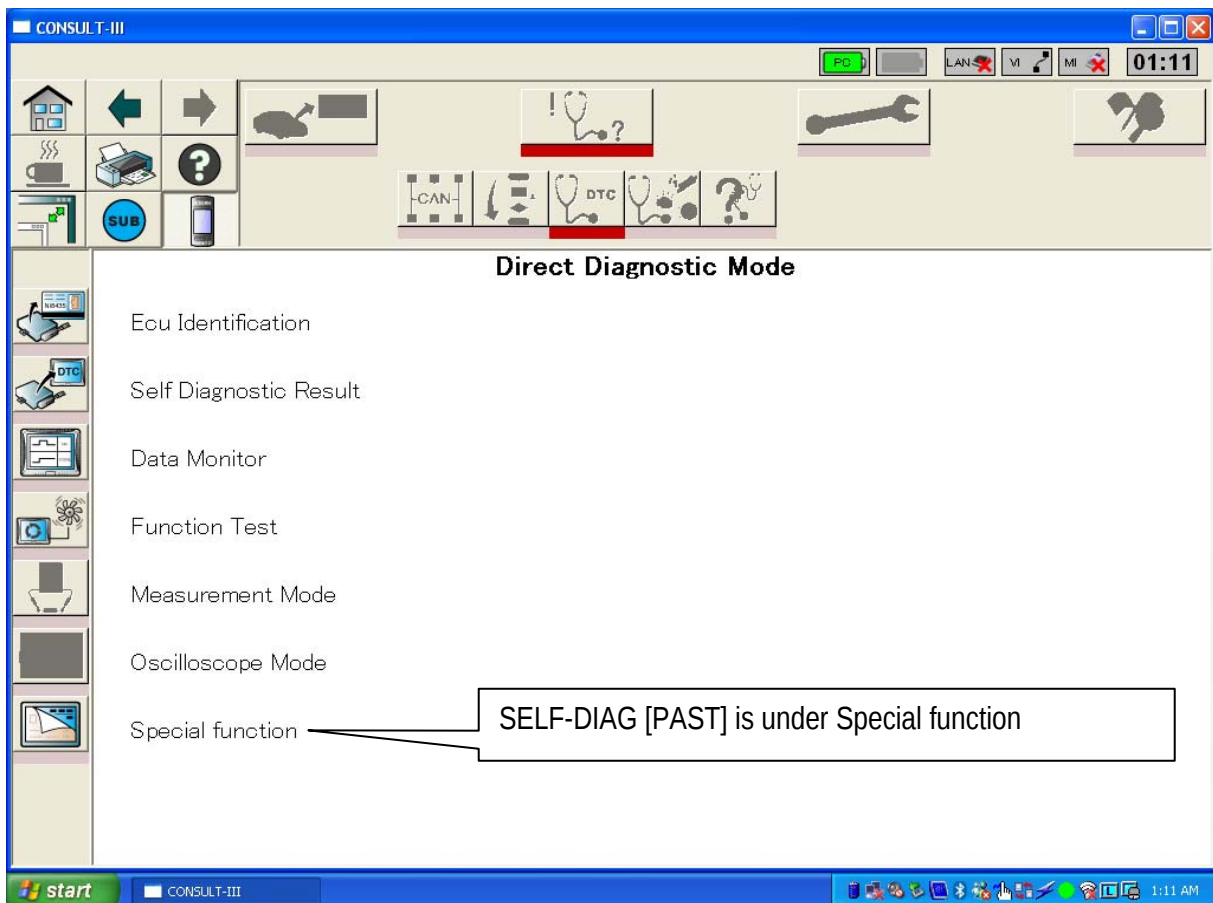


Figure 11

26. Disconnect CONSULT from the vehicle.

27. 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.

**END**

## PARTS INFORMATION

| MODEL     | DESCRIPTION                                            | PART #                  | QTY         |
|-----------|--------------------------------------------------------|-------------------------|-------------|
| G35 Sedan | Bracket Kit<br>(Includes bracket and 2 bolts)          | H7506 – CF90A           | 1           |
|           | Clip<br>(Tie-wrap for BTS connector)                   | 24216 – S5800           | 1           |
|           | Clip<br>(Mounting clip type tie-wrap for BTS harness)  | 24225 - 79900           | 1           |
|           | Clip<br>(Mounting clip type tie-wrap for seat harness) | 24225 - 79960           | 1           |
|           | VersaChem 5 MINUTE® EPOXY GEL<br>(or equivalent)       | 46509<br>(Local Source) | Shop Supply |
| G35 Coupe | Bracket Kit<br>(Includes bracket and 1 nut)            | H7698 – CF90A           | 1           |
|           | Clip<br>(Tie-wrap for BTS connector)                   | 24216 – S5800           | 1           |
|           | Clip<br>(Mounting clip type tie-wrap for BTS harness)  | 24225 - 79900           | 1           |
|           | VersaChem 5 MINUTE® EPOXY GEL<br>(or equivalent)       | 46509<br>(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](http://www.versachem.com)

## CLAIMS INFORMATION

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

“CM” I.D.: R1016

### G35 Sedan (V35)

| DESCRIPTION                                                                         | OP CODE | FRT      |
|-------------------------------------------------------------------------------------|---------|----------|
| Relocate Belt Tension Sensor Connector<br>(Install Belt Tension Sensor Bracket Kit) | R10160  | 0.6 hrs. |

OR

### G35 Coupe (CV35)

| DESCRIPTION                                                                         | OP CODE | FRT      |
|-------------------------------------------------------------------------------------|---------|----------|
| Relocate Belt Tension Sensor Connector<br>(Install Belt Tension Sensor Bracket Kit) | R10161  | 0.6 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 2005-2006 model year G35 sedan and 2005-2007 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

To address this potential passenger air bag issue, your Infiniti dealer will repair the passenger air bag harness located under the seat. This free service should take about two 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 inspected and 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 is deactivated. 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 inspection and 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.