

Reference:

ITB08-045e

Date:

December 2, 2015

## VOLUNTARY RECALL CAMPAIGN 2007 – 2008 PASSENGER AIR BAG OCCUPANT CLASSIFICATION SYSTEM (OCS)

This bulletin has been amended. The Parts Order Form has been replaced with Parts Information.  
Please discard previous versions of this bulletin.

CAMPAIGN ID #: P8243  
NHTSA #: 08-521  
APPLIED VEHICLES: 2007 – 2008 G35 Sedan (V36)  
2008 G37 Coupe (V36)  
2008 EX35 (J50)

Check Infiniti Net to confirm campaign eligibility.

### INTRODUCTION

Infiniti is conducting a Voluntary Recall Campaign to inspect the Occupant Classification System (OCS) Varistor located in the front passenger seat cushion. A special tool will be used for the inspection. If the inspection results are OK, no further action is necessary. If the special tool indicates an OCS Varistor issue, the seat cushion assembly will be replaced. We anticipate that less than 1% of the affected vehicles will require seat cushion replacement.

### IDENTIFICATION NUMBER

Infiniti has assigned identification number P8243 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 Infiniti Net 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.

## REQUIRED SPECIAL TOOLS

### OCS Varistor Check Tool Kit – J-49787

- Additional tools can be ordered from TECH-MATE at 1-800-662-2001.

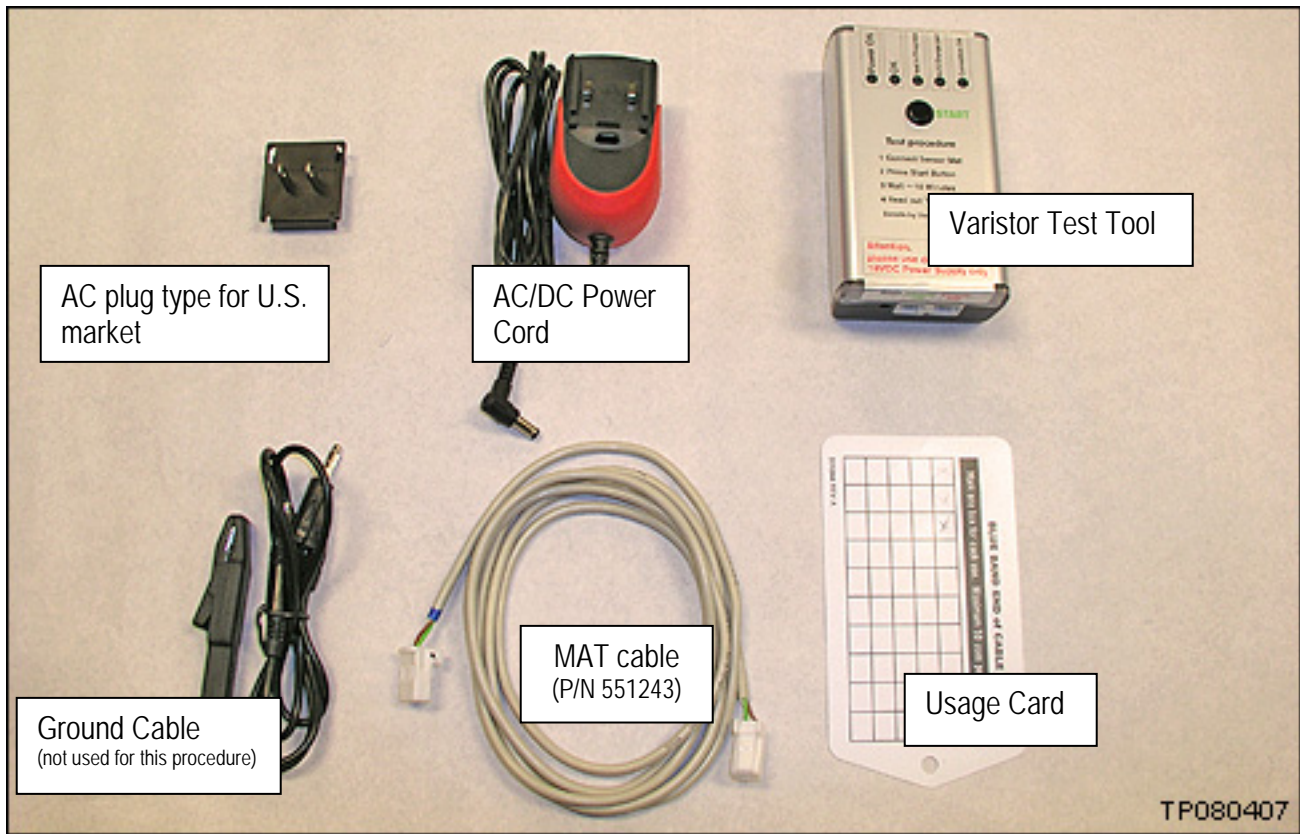


Figure A

### MAT Cable Information and Instructions:

The MAT cable is good for only 100 connections (50 for each end).

- MAT cable P/N - 551243
- Cable end connectors are identical (interchangeable).

The MAT cable ends have identifying marks which allow the user to keep track of how many times each end has been used.

- One end of the cable is marked with a "Blue Band" as shown.
- One end is "Plain" as shown.

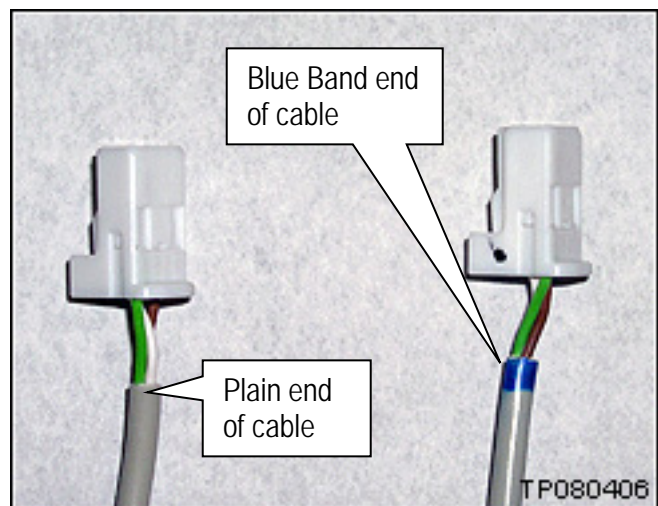


Figure B

A "Usage Card" is included with each tool kit and with each replacement MAT cable.

Each time the tool is used, fill in one of the squares on the Usage Card.

- One side of the card has 50 squares for the Blue Band End of Cable.
- The other side of the card has 50 squares for the Plain End of Cable.

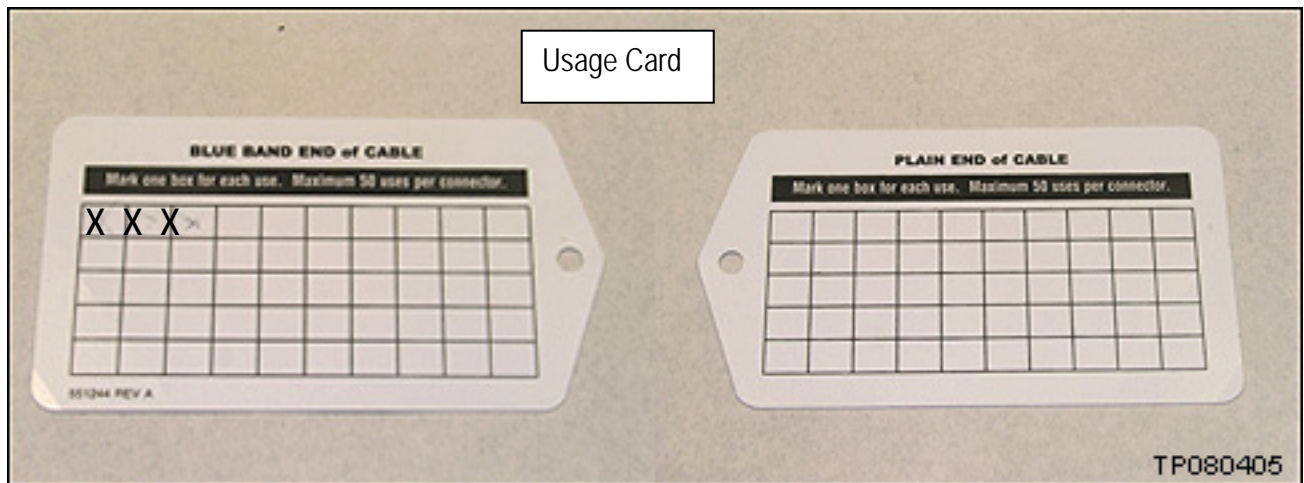


Figure C

1. Plug one end of the MAT cable into the MAT port on the Varistor Test Tool.
2. Leave this end plugged into the tool for 50 vehicle inspections (until one side of the Usage Card is full).
  - **Do not** unplug the MAT cable from the test tool between each vehicle inspection.
3. When one side of the usage card is full, (all 50 squares are filled) switch ends of the MAT cable.
4. When both sides of the Usage Card are full, replace the MAT cable with a new one.



Figure D

- Replacement MAT cables (P/N – 551243) are available from TECH-MATE at 1-800-662-2001.

## Testing the Varistor Test Tool

- This test **must** be completed once each day before use.

1. Attach the correct AC plug style to the AC/DC Power Cord.

- The AC/DC power cord has several plug styles to accommodate different global markets.
- Select and attach the AC plug style for the U.S. market.

### CAUTION:

- To install the AC plug to the AC/DC Power Cord:
  - a. Set the plug straight down onto the Power Cord tabs. (see Figure E)

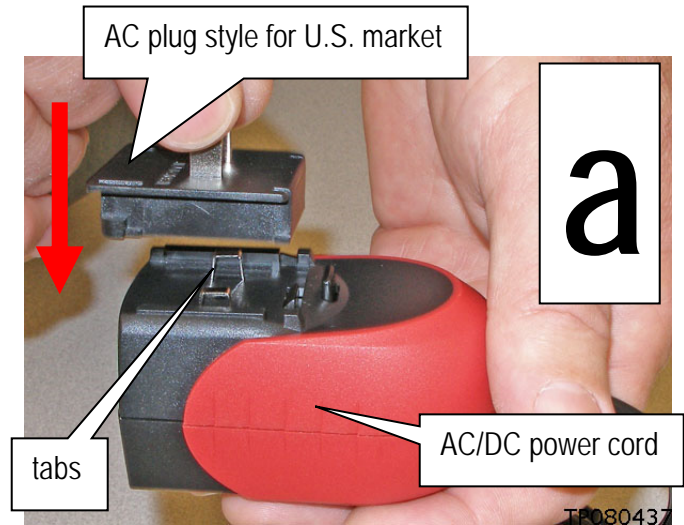


Figure E

- b. Once the adapter is on the tabs, slide the adapter on to lock it in place. (see Figure F)

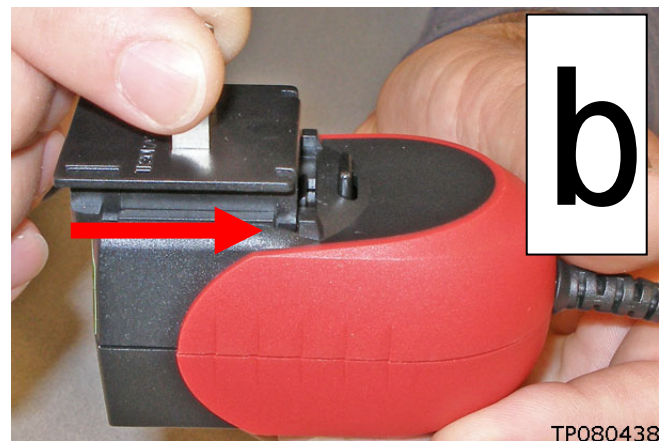


Figure F

**DO NOT TRY TO SLIDE THE ADAPTER ONTO THE POWER CORD TABS. THE TABS WILL BREAK IF THIS IS TRIED.**



Figure G



2. Attach the AC/DC Power Cord and one end of MAT cable, and then turn on the Varistor Test Tool.
  - One end of MAT cable should be plugged into the MAT port.

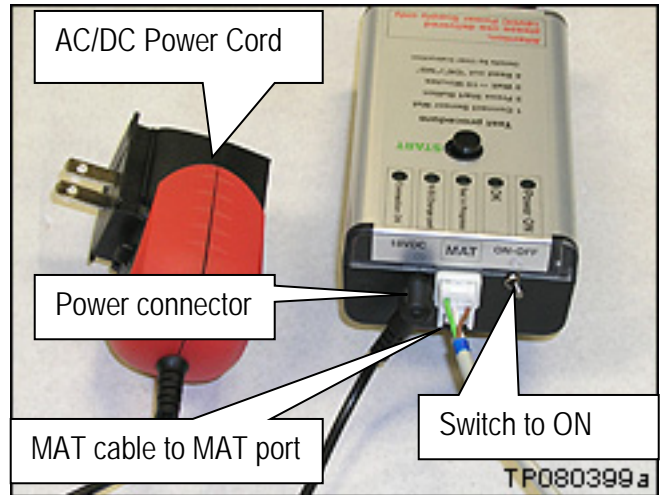


Figure H

3. Connect the other end of the MAT cable to the "Check NG" port as shown.

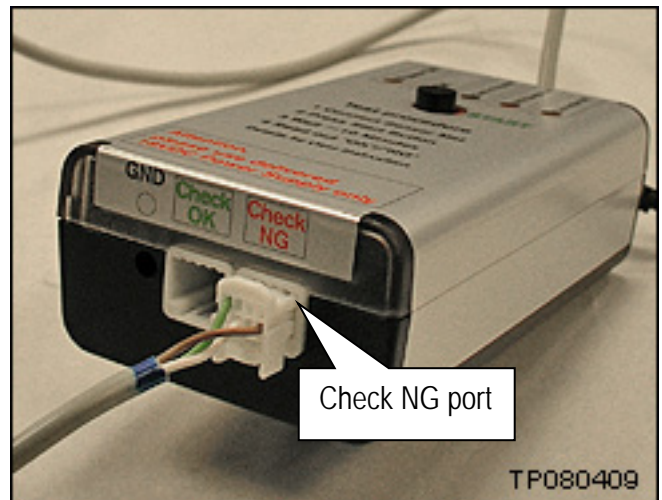


Figure I

4. Make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	N/G Change Part	Test tool malfunction
3	Connection OK	Check MAT cable/connection

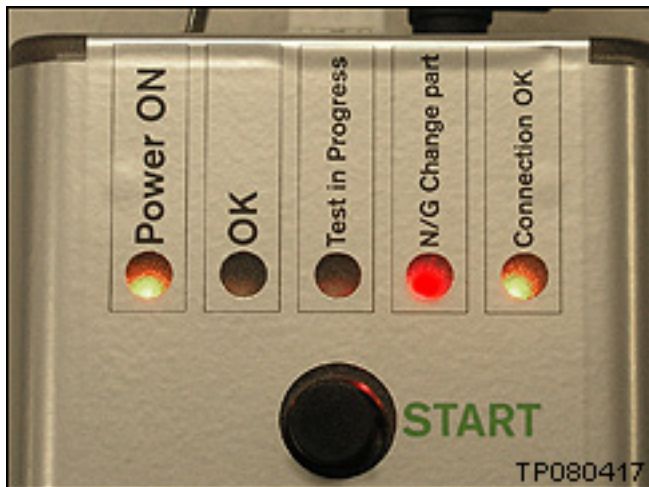


Figure J

5. Move MAT connector from “Check NG” to “Check OK” port as shown.

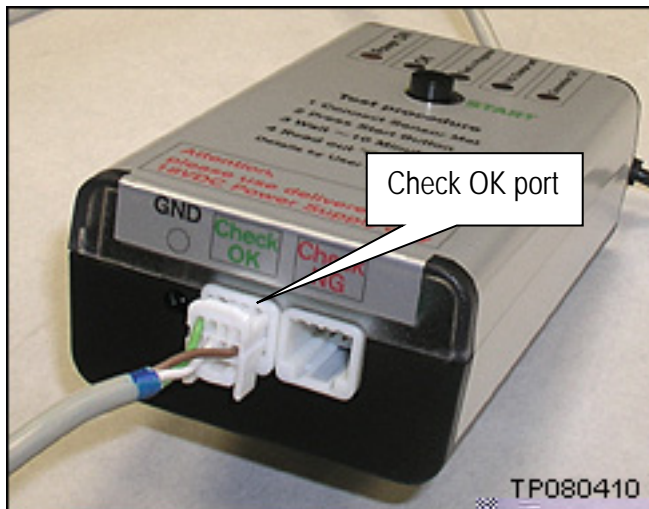


Figure K

6. Make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	OK	Test tool malfunction
3	Connection OK	Check MAT cable/connection

7. Push the Start button on the Varistor Test Tool.

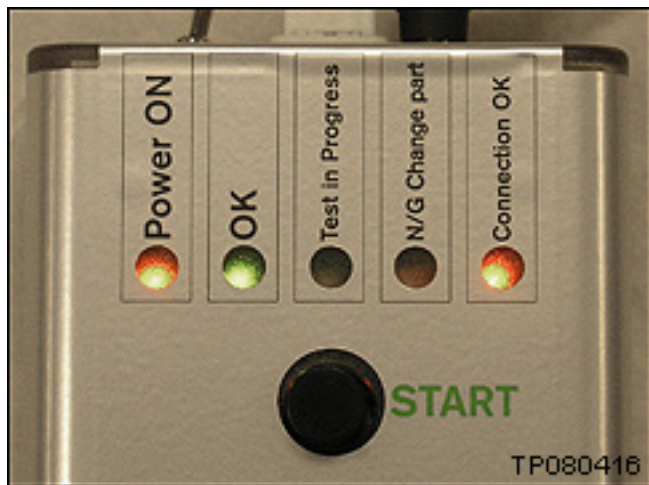


Figure L

8. After pressing the Start button, make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	Test in Progress	Test tool malfunction
3	Connection OK	Check MAT cable/connection

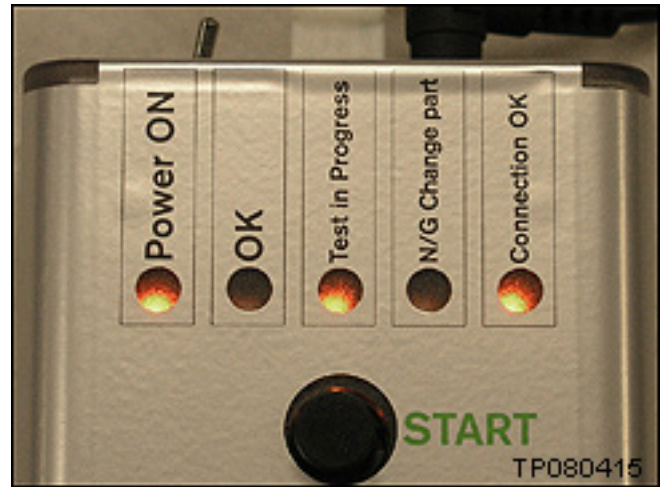


Figure M

9. Wait about 10 minutes – make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	OK (After 10 Minutes)	Test tool malfunction
3	Connection OK	Check MAT cable/connection

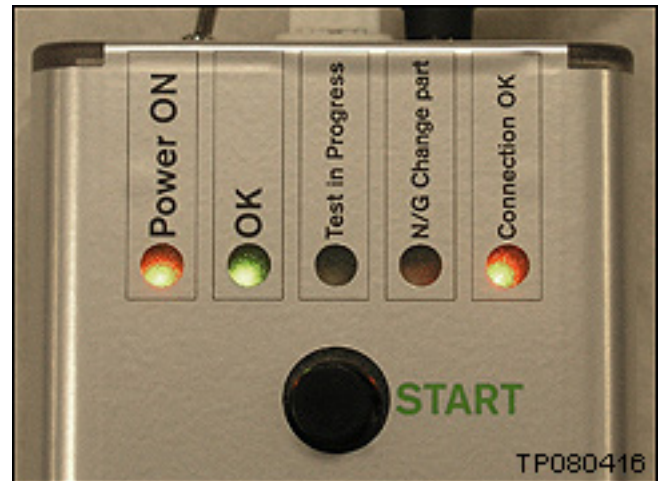
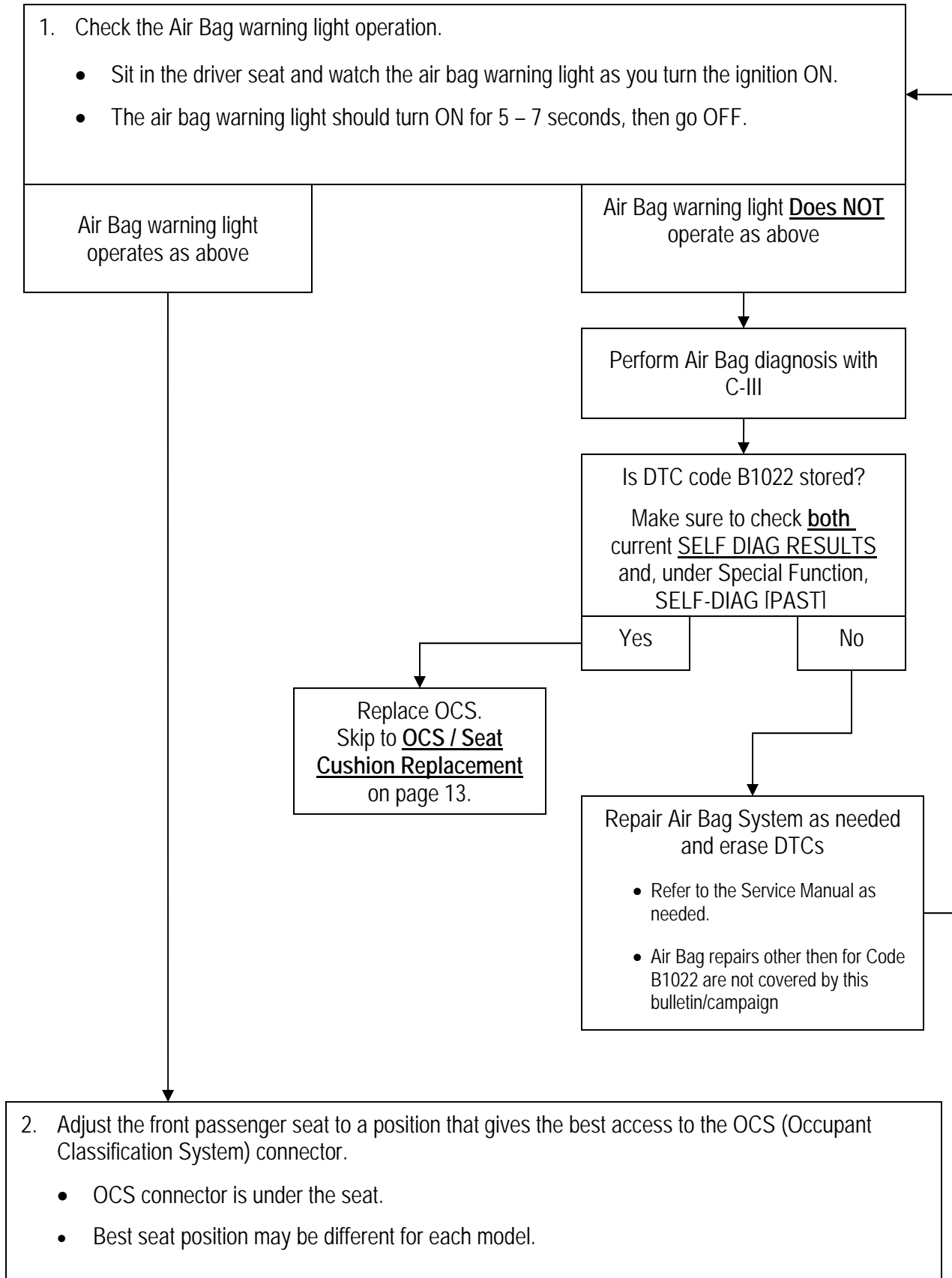


Figure N

10. When LEDs turn ON as listed above the Varistor Test Tool is OK.

11. Mark the usage card twice. One mark for each connection made in this test.

## SERVICE PROCEDURE



Next Page



3. Write down the radio station presets.

Presets	1	2	3	4	5	6
A						
B						
C						

4. Turn the ignition OFF.

5. Disconnect both battery cables – negative cable first.

6. Wait at least 3 minutes.

7. Connect the power cord to the Varistor Test Tool.

- The AC to 18 volt DC power cable has several plug styles to accommodate different global markets.
- Select and attach the AC plug style for the U.S. market.

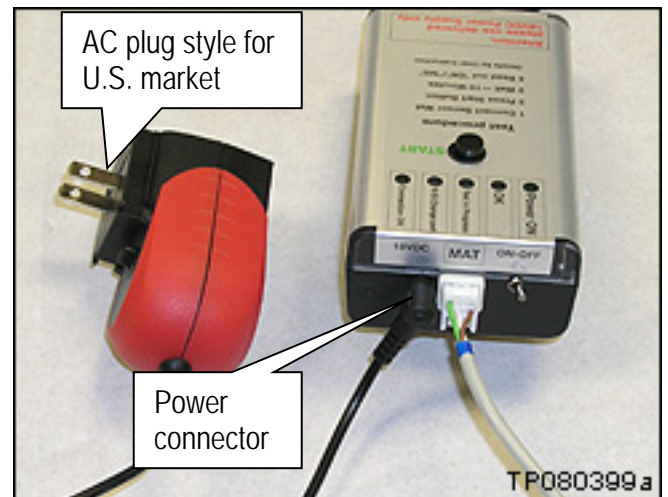


Figure 1

8. Look under the passenger seat; locate and disconnect the OCS connector and connect the MAT cable.

- The OCS connector is an 8 pin white connector (only 3 of the pins are used/filled).

This is an example – the connector location may be different for your vehicle.

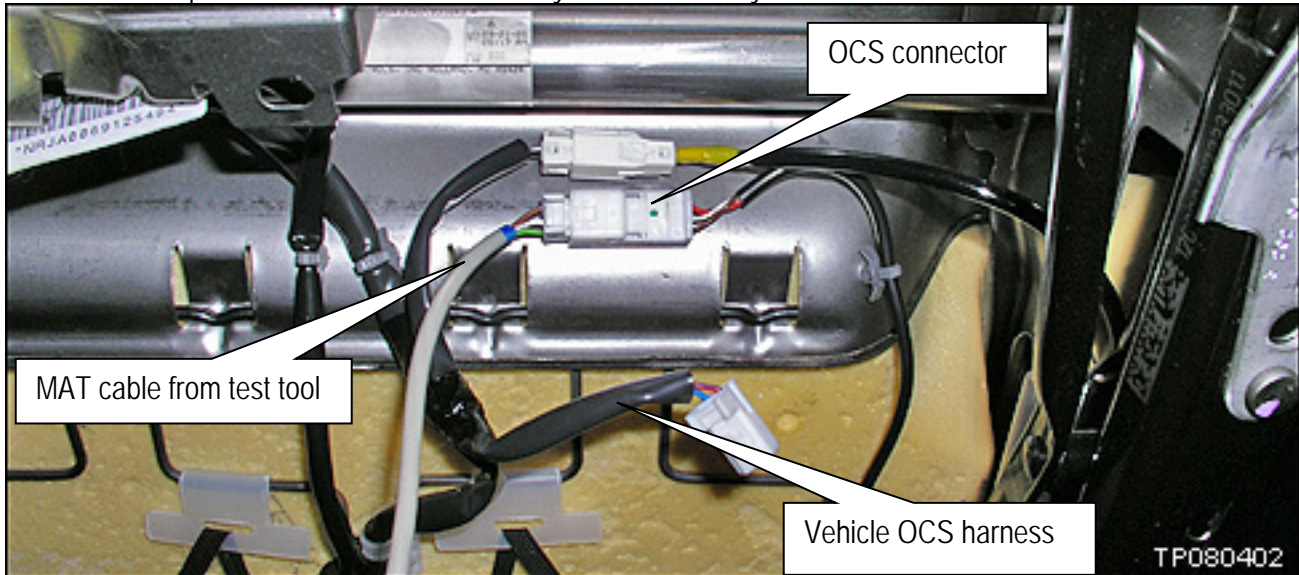


Figure 2

**NOTE:**

- Figure 3 shows the Varistor Test Tool connected to a vehicle.
- Make sure to mark the "Usage Card". Refer to Required Special Tools on pages 2 and 3 for Usage Card information.

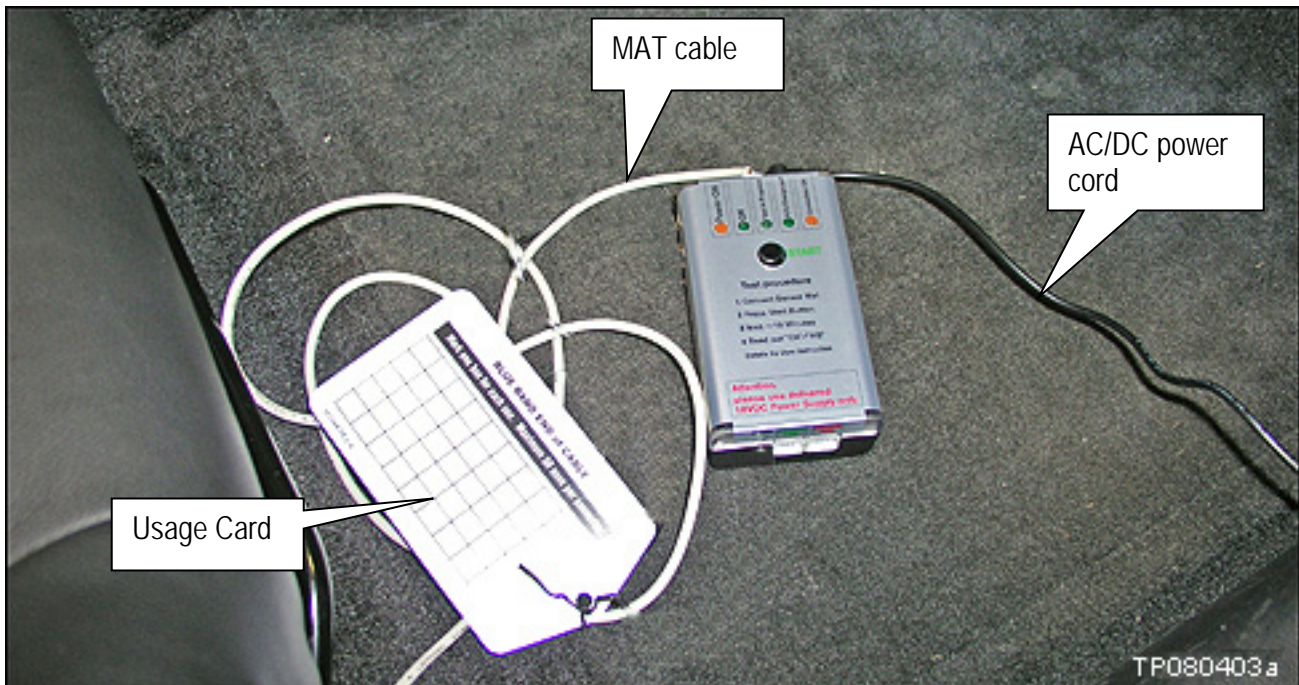


Figure 3

9. Turn ON the Varistor Test Tool.

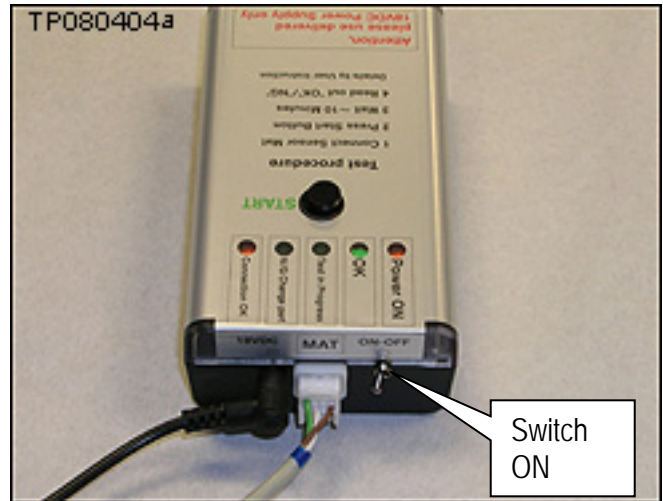


Figure 4

10. Make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	OK	Check MAT cable/connections
3	Connection OK	Check MAT cable/connection

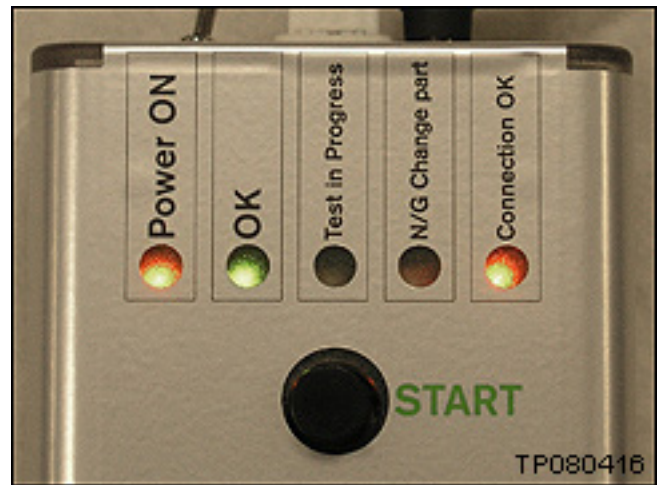


Figure 5

11. Push the Start button on the Varistor Test Tool.

12. After pressing the Start button, make sure the following LEDs turn ON:

	LED ON	If LED is OFF
1	Power ON	Check power cord
2	Test in progress	Test Tool malfunction
3	Connection OK	Check MAT cable/connection

NOTE: "OK" LED should be OFF.

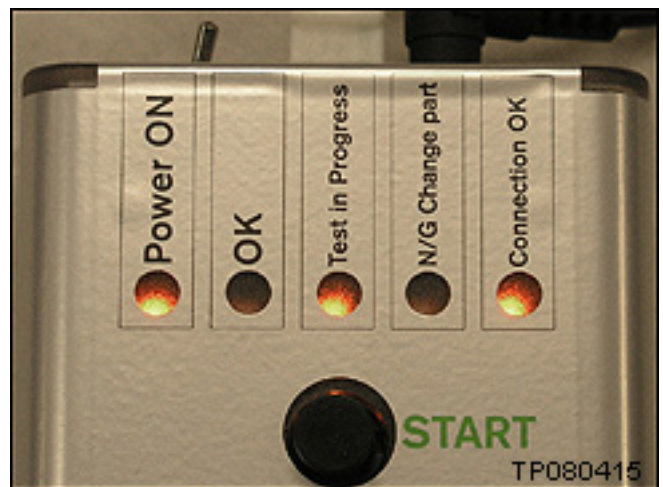


Figure 6



13. Wait for OCS inspection to complete – about 10 minutes.

NOTE: Expected results - Less than 1% will test NG. More than 99% will test OK.

Actual inspection results:

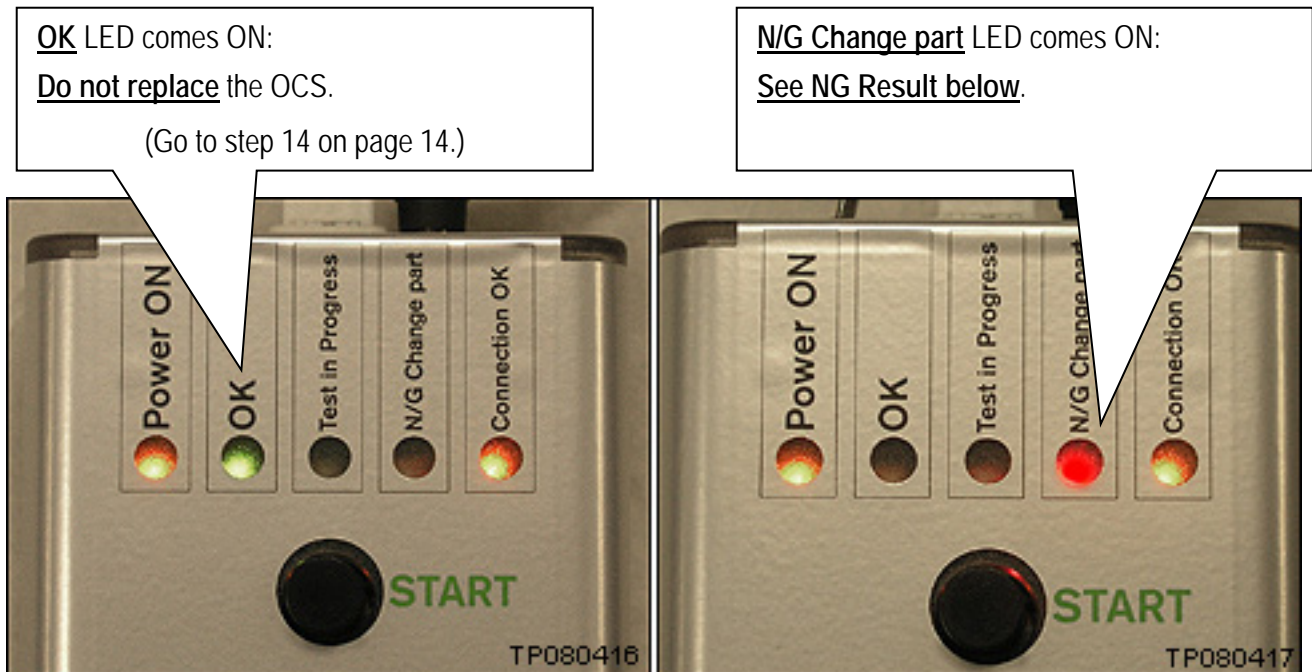


Figure 7

### NG results:

NG results are expected to be very low (less than 1% of vehicles tested).

If you get a NG result, do the following:

- a. Remove / disconnect both ends of the MAT cable that you are using.
- b. Get another serviceable new MAT cable and connect it to the Varistor Test Tool and the vehicle seat.
  - Make sure to mark the usage card for each MAT cable connection.
- c. Repeat the OCS inspection test (steps 9 though 13).
- d. After repeating the test with a second MAT cable (NG result 2 times), replace the OCS / seat cushion.
  - See OCS / seat cushion replacement on the next page.

### NOTE:

- If the second test is a NG result (same as the first), the original cable can continue to be used for the remainder of its "usage card" life.
- If the second test is an OK result (different than the first) the original cable should be discarded.



## OCS / Seat Cushion Replacement

Only for N/G test results in step 13, or DTC B1022 is stored

- If not already done:
  - Record radio station presets.
  - Turn the ignition OFF, disconnect both battery cables – negative cable first.
  - Wait at least 3 minutes.
- Be careful: Do not scratch or otherwise damage interior parts.
- Refer to the SE section of the appropriate Service Manual for Seat Cushion replacement information.

**NOTE:** The Service Manual may caution against disassembly of the passenger seat cushion from the seat frame. It may also instruct that the cushion and frame be replaced as an assembly. Due to changes in parts manufacturing and availability, the seat cushion can now be replaced separately from the seat frame on Model and Year vehicles affected by this campaign.

- Make sure each seat cushion hook and strap is properly connected/attached in its original location.
  - Torque mounting bolts according to the appropriate Service Manual.
  - **WARNING:** Make sure all mounting and support clips for electrical connectors and harness are reinstalled in their original locations.
  - Retain the old seat cushion for 30 days for possible inspection by Infiniti.
- Continue with the Service Procedure on the Next Page (step 14).

14. Reconnect the OCS vehicle harness connector.

15. Connect the battery cables – positive cable first.

16. Check the Air Bag warning light and the Occupant Detection System warning light as follows:

- a. Sit in the driver seat and watch the warning lights as you turn the ignition ON.
- b. Both warning lights should turn ON for 5 – 7 seconds, and then go OFF.
- c. If either warning light does not turn ON at all, does not turn OFF, or blinks, refer to the Service Manual for diagnosis and repair.

**NOTE:** Diagnosis and repair beyond replacement of the OCS (passenger seat cushion) is not covered by this bulletin/campaign.



Figure 8

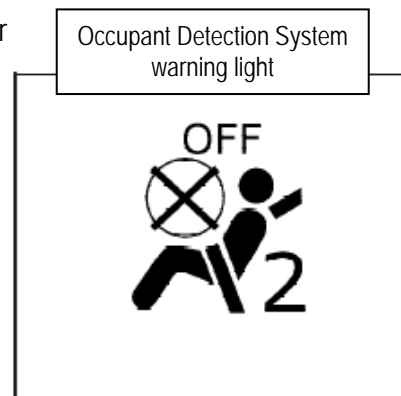


Figure 9

17. Reset the clock and the radio station presets.

18. Refer to the Service Manual and perform the following as needed:

- Power Window Initialization
- Accelerator Pedal Released Position Learning
- Throttle Valve Closed Position Learning
- Idle Air Volume Learning
- Rear View Monitor Guiding Line Adjustment
- Rear View Monitor/Around View Monitor Predicted Course Line Center Position Adjustment

**NOTE:** You may need to inform the customer that their Automatic Drive Position System will need to be reset.

## PARTS INFORMATION

Description	PART #	Quantity
Seat Cushion	Use the VIN and refer to the Electronic Parts Catalog (FAST or equivalent) to obtain the correct part number for the seat cushion being replaced.	1

## CLAIMS INFORMATION

**NOTE:** Soft trim Dealer Claims Authorization Limits (DCAL limits) do not apply for this campaign. Dealers **do not** need to contact the Claims Call Center for pre approval of seat cushion (OCS) replacements.

Submit a "CM" line claim using the following claims coding:

"CM" I.D.: P8243

Choose the following OP CODE(S) that match the vehicle model, operation performed, and if needed—seat type.

### For OCS inspection OK Results

G35, G37 and EX35

DESCRIPTION	OP CODE	FRT
OCS Inspection OK	P82430	0.7

### For OCS inspection NG Results

G35 and G37 With Power Seat

DESCRIPTION	OP CODE	FRT
OCS Inspection NG or DTC B1022; Replace the seat cushion assembly	P82431	1.3

G35 With Power Extension Type Seat

DESCRIPTION	OP CODE	FRT
OCS Inspection NG or DTC B1022; Replace the seat cushion assembly	P82433	1.5

**G37 With Power Extension Type Seat**

DESCRIPTION	OP CODE	FRT
OCS Inspection NG or DTC B1022; Replace the seat cushion assembly	P82434	1.4

**EX35 With Power Seat**

DESCRIPTION	OP CODE	FRT
OCS Inspection NG or DTC B1022; Replace the seat cushion assembly	P82436	1.5

And in combination with OP-CODE for NG results

**G35, G37 and EX35**

DESCRIPTION	OP CODE	FRT
Reconfirmation of OCS Varister Tool/Mat Cable	P82439	0.2



## OWNER'S LETTER

Dear Infiniti 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 (customer's model) vehicles. Our records indicate that you own the Infiniti vehicle identified by the Vehicle Identification Number on the cover of this notice.

### Reason for Recall

The Occupant Classification System (a part of the passenger air bag system) in the front passenger seat cushion of your vehicle may have been manufactured out of specification. In some cases, this could deactivate the passenger air bag in your vehicle. If this occurs, the **red** air bag warning light will continuously flash after the vehicle is started (it is normal for the red air bag warning lamp to flash for about seven seconds when the vehicle is first started). This could result in the passenger air bag not inflating in a crash, potentially increasing the risk of injury.

### What Infiniti Will Do

Your Infiniti dealer will test the passenger air bag system using a special tool to verify that it is functioning as designed. If appropriate, the passenger seat cushion (containing OCS hardware) will be replaced. This service, free for parts and labor, can take up to 2 hours to complete, but your Infiniti dealer may require your vehicle for a longer period of time based upon their work schedule, or parts availability.

### What You Should Do

Contact your Infiniti dealer at your earliest convenience in order to arrange an appointment to have your vehicle inspected and, if necessary, repaired. Please bring this notice with you to your service appointment. Instructions have been sent to your Infiniti dealer.

**If the red air bag warning light in your vehicle continuously flashes after the vehicle is started, please take your vehicle to the dealership as soon as possible. In the interim do not allow passengers to ride in the passenger seat.** If the dealer fails, or is unable to make the necessary repairs free of charge, you may 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.