VOLUNTARY SAFETY RECALL CAMPAIGN
OCCUPANT CLASSIFICATION SYSTEM
CONTROL UNIT REPLACEMENT

CAMPAIGN ID #: R1606
NHTSA #: 16V-244
APPLIED VEHICLE:
2013 JX (L50)
2014-2016 QX60 (L50)
2014-2016 QX60 Hybrid (L50)
2014-2016 Q50 (V37)
2014-2016 Q50 Hybrid (V37)

INTRODUCTION

Infiniti is conducting a Voluntary Safety Recall Campaign on certain specific Infiniti Vehicles, listed in APPLIED VEHICLES above, to replace the Occupant Classification System (OCS) control unit. This service will be performed at no charge to owners for parts or labor.

IDENTIFICATION NUMBER

Infiniti has assigned identification number R1606 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 campaign 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.

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 retailer to determine if this applies to your vehicle.
CAMPAIGN INFORMATION

Front Passenger Air Bag Status Light

Performing the procedures in this bulletin (campaign R1606) changes the operation of the passenger air bag status light.

- After performing this campaign, the passenger air bag status light will be ON (illuminated) when the front passenger seat is empty.

Air Bag Warning Light

This campaign does not change the operation of the air bag warning light.
Check Service COMM campaign ID # R1606 to confirm the vehicle you are working on requires this campaign.

For 2013 JX, confirm that PC217 (ITB13-011) has first been performed if required.

Replace the OCS Control Unit.

Perform zero point reset procedure

Provide the customer with a printed copy of FRONT PASSENGER AIR BAG STATUS LIGHT OPERATION (page 13)
SERVICE PROCEDURE

JX, QX60 and QX60 Hybrid

1. Turn the ignition OFF.
   
   **NOTE:** The ignition must remain OFF while replacing the OCS control unit.

2. Raise the front passenger seat cushion all the way up.
   
   - Raising the seat cushion will give additional working space to access the OCS control unit.

3. Locate the OCS control unit under the front edge of the seat cushion.

4. Disconnect the harness connector.

5. Remove the two screws and then remove the OCS control unit.

6. Select the correct OCS control unit (ODS ECU) from Parts Information and confirm that the pin count is the same as the OCS control unit being replaced.

7. Install the new OCS control unit in reverse order.

8. Proceed to **Zero Point Reset** on page 6.
Q50 and Q50 Hybrid

1. Turn the ignition OFF.
   **NOTE:** The ignition must remain OFF while replacing the OCS control unit.

2. Move the passenger seat forward to gain access to the OCS control unit.

3. Locate the OCS control unit under the center left side of the seat cushion (see Figures 3, 4 and 5).

4. Disconnect the OCS harness connector.

5. Remove the two bolts and then remove the OCS control unit.
   - The second bolt is located on the opposite side of the OCS control unit where indicated in Figure 6.

6. Select the correct OCS control unit (ODS ECU) from Parts Information and confirm that the pin count is the same as the OCS control unit being replaced.

7. Install the new OCS control unit in reverse order.

8. Proceed to **Zero Point Reset** on page 6.
Zero Point Reset

1. Prepare the vehicle for OCS zero point reset as follows:
   - Level the vehicle
   - No objects on the passenger seat.
   - No occupants in the vehicle – including the servicing technician.
   - PC is outside of the vehicle on a suitable support.
     ➢ Do not set the PC on the vehicle.
   - Do not touch the vehicle during the OCS zero point reset.
   - Minimize vibrations of the vehicle.

2. Connect the CONSULT PC to the vehicle with plus VI.

3. Open / start CONSULT-III PLUS (C-III plus).

4. Turn the ignition ON, with engine OFF (engine not running/not in ready mode).

5. Wait for the plus VI to be recognized.
   - The Serial No. will display when the plus VI is recognized.

6. Select Diagnosis (One System).

7. Scroll C-III plus (All systems) and select OCCUPANT DETECTION.

Figure 7
8. Select **Zero point reset function**.

9. Select **Start**.

10. Select **Next**.
11. Select **Start** and then proceed to step 12.

- After selecting **Start** if Figure 11 is displayed:
  
  a. Check the OCS control unit and confirm that harness connector is completely seated.
  
  a. Turn the ignition OFF and then restart procedure from step 4 on page 6.

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**Figure 10**

![Image of Figure 10]

**Figure 11**

![Image of Figure 11]
12. Zero point reset will display “EXECUTING”.

![Figure 12](image12)

13. When finished, "Completed" will display next to “Current status”.
   - Select **End** and then proceed to step 14.

![Figure 13](image13)
14. Turn the ignition OFF and then back ON and observe the air bag warning light and front passenger airbag status light:

- Air bag warning light \[\text{Air bag warning light}\] should illuminate for 7 seconds and then go out.

- The front passenger airbag status light \[\text{The front passenger airbag status light}\] should illuminate for 7 seconds and then either stay illuminated or go out depending on the occupation of the front passenger seat (see Page 13).

**NOTE:** If the Air Bag Warning light or the front passenger airbag status light does not operate as described above there may be an issue not covered by this campaign. Refer to ASIST and the appropriate Service Manual for additional diagnostic and repair information.
### PART INFORMATION

<table>
<thead>
<tr>
<th>Model year and date (Mo/Yr)</th>
<th>Description</th>
<th>PART #</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>JX</td>
<td>2013; All ODS ECU (16 pin connector)</td>
<td>98856-9NA5A</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2014; All ODS ECU (16 pin connector)</td>
<td>98856-9NF8A</td>
<td>1</td>
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<tr>
<td>QX60</td>
<td>2015; manufacture date (MO/YR) 11/14 and before ODS ECU (16 pin connector)</td>
<td>98856-9NF8A (1)</td>
<td>1</td>
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<tr>
<td></td>
<td>All vehicles with manufacture date (MO/YR) 12/14 ODS ECU (10 pin connector)</td>
<td>98856-9ND5A (1)</td>
<td>1</td>
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<td>2015; manufacture date (MO/YR) 01/15 and after ODS ECU (10 pin connector)</td>
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<td>2016 ODS ECU (10 pin connector)</td>
<td>98856-9ND5A</td>
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<tr>
<td>Q50</td>
<td>2014; manufacture date (MO/YR) 11/13 and before ODS ECU (16 pin connector)</td>
<td>98856-6HC0A</td>
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<td>All vehicles with manufacture date (MO/YR) 12/13 ODS ECU (16 pin connector)</td>
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<td>1</td>
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<tr>
<td></td>
<td>2014; manufacture date (MO/YR) 1/14 and after ODS ECU (10 pin connector)</td>
<td>98856-6HB0K (1)</td>
<td>1</td>
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<td></td>
<td>2015-2016 ODS ECU (10 pin connector)</td>
<td>98856-6HB0K</td>
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</table>

(1) Confirm that the number of pins of the new part are the same as the original (see Figures 14 and 15 below).

**Figure 14** 16 pin connector  **Figure 15** 10 pin connector
CLAIMS INFORMATION

Submit a “CM” line claim using the following claims coding:

QX60, Q50

<table>
<thead>
<tr>
<th>CAMPAIGN (“CM”) I.D.</th>
<th>DESCRIPTION</th>
<th>OP CODE</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1606</td>
<td>Replace ODS ECU (OCS control unit)</td>
<td>R16060</td>
<td>0.7 hrs.</td>
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</table>

OR

QX60 Hybrid, Q50 Hybrid

<table>
<thead>
<tr>
<th>CAMPAIGN (“CM”) I.D.</th>
<th>DESCRIPTION</th>
<th>OP CODE</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1606</td>
<td>Replace ODS ECU (OCS control unit)</td>
<td>R16061</td>
<td>0.8 hrs.</td>
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</table>
FRONT PASSENGER AIR BAG STATUS LIGHT OPERATION

NOTE: Please print this page and place a copy in the vehicle.

Recall Campaign R1606 changes the operation of the passenger air bag status light.

- The passenger air bag status light will now be ON (illuminated) when the front passenger seat is empty.

Below is additional information regarding the operation of the passenger air bag status light.

The front passenger seat is equipped with an occupant classification sensor (weight sensor) that turns the front passenger air bag on or off depending on the weight applied to the front passenger seat. The status of the front passenger air bag (ON or OFF) is indicated by the front passenger air bag status light which is located on the instrument panel. After the ignition switch is placed in the “ON” position, the front passenger air bag status light on the instrument panel illuminates for about 7 seconds and then turns off or remains illuminated depending on the front passenger seat occupied status. The light operates as follows:

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>DESCRIPTION</th>
<th>PASSENGER AIR BAG INDICATOR LIGHT</th>
<th>FRONT PASSENGER AIR BAG STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty</td>
<td>Empty front passenger seat</td>
<td>ON (illuminated)</td>
<td>INHIBITED</td>
</tr>
<tr>
<td>Nobody/Somebody</td>
<td>Bag or Child or Child Restraint or Small Adult in the front passenger seat</td>
<td>ON (illuminated)</td>
<td>INHIBITED</td>
</tr>
<tr>
<td>Adult</td>
<td>Adult in front passenger seat</td>
<td>OFF (dark)</td>
<td>ACTIVATED</td>
</tr>
</tbody>
</table>