



Revised (2) May 2019

Dealer Service Instructions for:

## **Safety Recall U03 / NHTSA 18V-021 Passenger Airbag Inflator**

---

**NOTE: Revised Sections B through H to include GUNI inflator kit installation. Revised Parts Information section to include GuNi inflator kits. Added unique GuNi LOPs.**

**SPECIAL NOTE: All GuNi inflator kits require the installation of a fabric gasket which is included in the kit.**

### **Models**

2009	(DH) Dodge RAM 2500 Pickup
2009	(D1) Dodge RAM 3500 Pickup
2009-2010	(DC) Dodge RAM 3500 Cab Chassis
2009-2010	(DM) Dodge RAM 4500/5500 Cab Chassis
2009	(HB) Dodge Durango
2009	(HG) Chrysler Aspen
2009-2013	(JK) Jeep® Wrangler
2009-2010	(LX) Dodge Charger
2009-2013	(LX) Chrysler 300, 300c
2009-2013	(LC) Dodge Challenger
2011-2013	(LD) Dodge Charger
2009-2011	(ND) Dodge Dakota

**IMPORTANT:** Some of the involved vehicles may be in dealer used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery. Dealers should also perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

### **Subject**

The front passenger airbag inflator (PAB) on about 328,000 of the above vehicles may contain propellant that degraded after prolonged exposure to high absolute humidity, high temperatures and high temperature cycling. Activation of an inflator with degraded propellant, in a vehicle crash where the PAB is designed to deploy, may result in an inflator explosion. An inflator explosion may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants.

### **Repair**

The PAB inflator must be replaced.

<b>Parts Information</b>
--------------------------

**NOTE: Do not destroy the replacement inflator packaging, it will be used to return the original inflator to the supplier.**

<u>Part Number</u>	<u>Description</u>
<b>CBXZS432AA</b>	<b>Inflator Kit, Passenger Airbag (PSAN) (DH/DC/D1/DM) (HB/HG) (ND) (2009 LX)</b>

**or**

<b>CBXZS432AB</b>	<b>Inflator Kit, Passenger Airbag (GuNi)</b>
-------------------	--

**or**

<b>CBXZS432AC</b>	<b>Inflator Kit, Passenger Airbag (GuNi)</b>
-------------------	--

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Inflator (with Wire Harness Jumper)
4	Nut, Mounting
1	<b>Fabric Gasket (GuNi only)</b>
<b>06508531AA</b>	<b>Bolt, Steering Shaft (2008-2011 ND only) (One bolt required per repair) (MSQ 5)</b>
<b>CBXZS433AA</b>	<b>Inflator Kit, Passenger Airbag (PSAN) (2009-2013 LC) (2010 LX)</b>
<b>or</b>	
<b>CBXZS433AB</b>	<b>Inflator Kit, Passenger Airbag (GuNi)</b>
<b>or</b>	
<b>CBXZS433AC</b>	<b>Inflator Kit, Passenger Airbag (GuNi)</b>

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Inflator (with Wire Harness Jumper)
4	Nut, Mounting
1	Fabric Gasket (GuNi only)

**Parts Information (Continued)**

**CBXZS434AA            Inflator Kit, Passenger Airbag (PSAN)  
(2011-2013 LX/LD)**

**or**

**CBXZS434AB            Inflator Kit, Passenger Airbag (GuNi)**

**or**

**CBXZS434AC            Inflator Kit, Passenger Airbag (GuNi)**

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Inflator
4	Nut, Mounting
1	Fabric Gasket (GuNi only)

**CBXZS435AA            Inflator Kit, Passenger Airbag (PSAN)  
(2009-2013 JK)**

**or**

**CBXZS435AB            Inflator Kit, Passenger Airbag (GuNi)**

**or**

**CBXZS435AC            Inflator Kit, Passenger Airbag (GuNi)**

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Inflator
4	Nut, Mounting
1	Fabric Gasket (GuNi only)

<b>Parts Information (Continued)</b>
--------------------------------------

**NOTE: Dealers should determine which inflator package is required for each vehicle at the time appointments are scheduled to assure that the correct part is available when the customer arrives. The inflator package for the vehicle to be serviced may be determined by using the inflator kit usage chart below.**

Model Year	Body Model	Model	PSAN Part Number	or	GuNi Part Number
2009	D1	Dodge RAM 3500 Pickup	CBXZS432AA	or	CBXZS432AB or CBXZS432AC
2009-2010	DC	Dodge RAM 3500 Cab Chassis			
2009	DH	Dodge RAM 2500 Pickup			
2009-2010	DM	Dodge RAM 4500/5500 Cab Chassis			
2009	LX	Dodge Charger			
2009	LX	Chrysler 300, 300c			
2009-2011	ND	Dodge Dakota			
2009	HG	Chrysler Aspen			
2009	HB	Dodge Durango			
2009-2013	LC	Dodge Challenger	CBXZS433AA	or	CBXZS433AB or CBXZS433AC
2010	LX	Dodge Charger			
		Chrysler 300, 300c			
		Chrysler 300 / Lancia Thema / Charger			
2011-2013	LD	Dodge Charger	CBXZS434AA	or	CBXZS434AB or CBXZS434AC
2011-2013	LX	Chrysler 300 / Lancia Thema / Charger			
2010-2013	J3	Jeep Wrangler (CKD)	CBXZS435AA	or	CBXZS435AB or CBXZS435AC
2009-2013	J8	Jeep Wrangler (CKD)			
2009-2013	JK	Jeep Wrangler			

## Parts Return

Use the procedure on this page to package the original inflator in the replacement kit box and return. Shipping/return instructions are provided with each inflator kit.

**International (including Mexico), Hawaii, Alaska, Puerto Rico, and US Virgin Islands: No parts return required. Destroy the original inflator using locally approved methods.**

FCA

**Replacement Kit Return Process**

**\*\*For TAKATA Campaign Airbag Inflators Only\*\***

Upon Accumulating 200 kits (1 Pallet) Minimum  
(Multiple Pallets are acceptable)

**Please Call XPO to Schedule LTL Pickup**

**FCA Dealer Call: 1-888-708-5712**

Items to have available when calling:

- 1) Dealer Code or #
- 2) Quantity Pallets/Overpacks with # of Passenger Modules on each pallet
- 3) Dealer E-mail Address where Shipping Documentation to be received.

(Instruction Label Only. Please discard after use)

Peel this label and place on the panel of the  
box covering old labels  
"DO NOT COVER CLASS 9 DIAMOND"

**TK HOLDINGS INC.  
1199 Austin Court  
Howell, MI 48843**

## Special Tools

**The following special tools are required to perform this repair:**

- NPN wiTECH micro pod II
- NPN Laptop Computer
- NPN wiTECH Software

**Service Procedure****A. Replace Passenger Airbag Inflator**

**NOTE:** Click on the links below to go to the desired procedure. Links at the top of each Section will return you to this page, Section A.

- [For 2009 – 2010 DH, DC, DM, and D1 model vehicles, continue with Section B. Replace Passenger Airbag Inflator: DH, DC, DM, D1 \(Page 9\)](#)
- [For 2009 HB and HG model vehicles, continue with Section C. Replace Passenger Airbag Inflator: HB, HG \(Page 24\)](#)
- [For 2009 – 2010 LX model vehicles, continue with Section D. Replace Passenger Airbag Inflator: 2009-2010 LX \(Page 38\)](#)
- [For 2011 – 2013 LX and LD model vehicles, continue with Section E. Replace Passenger Airbag Inflator: 2011-2013 LX, LD \(Page 50\)](#)
- [For 2009 – 2013 LC model vehicles, continue with Section F. Replace Passenger Airbag Inflator: LC \(Page 63\)](#)
- [For 2009 – 2011 ND model vehicles, continue with Section G. Replace Passenger Airbag Inflator: ND \(Page 83\)](#)
- [For 2009-2013 JK model vehicles, continue with Section H. Replace Passenger Airbag Inflator: JK \(Page 107\)](#)



**Service Procedure (Continued)****B. Replace Passenger Airbag Inflator: DH, DC, DM, D1**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

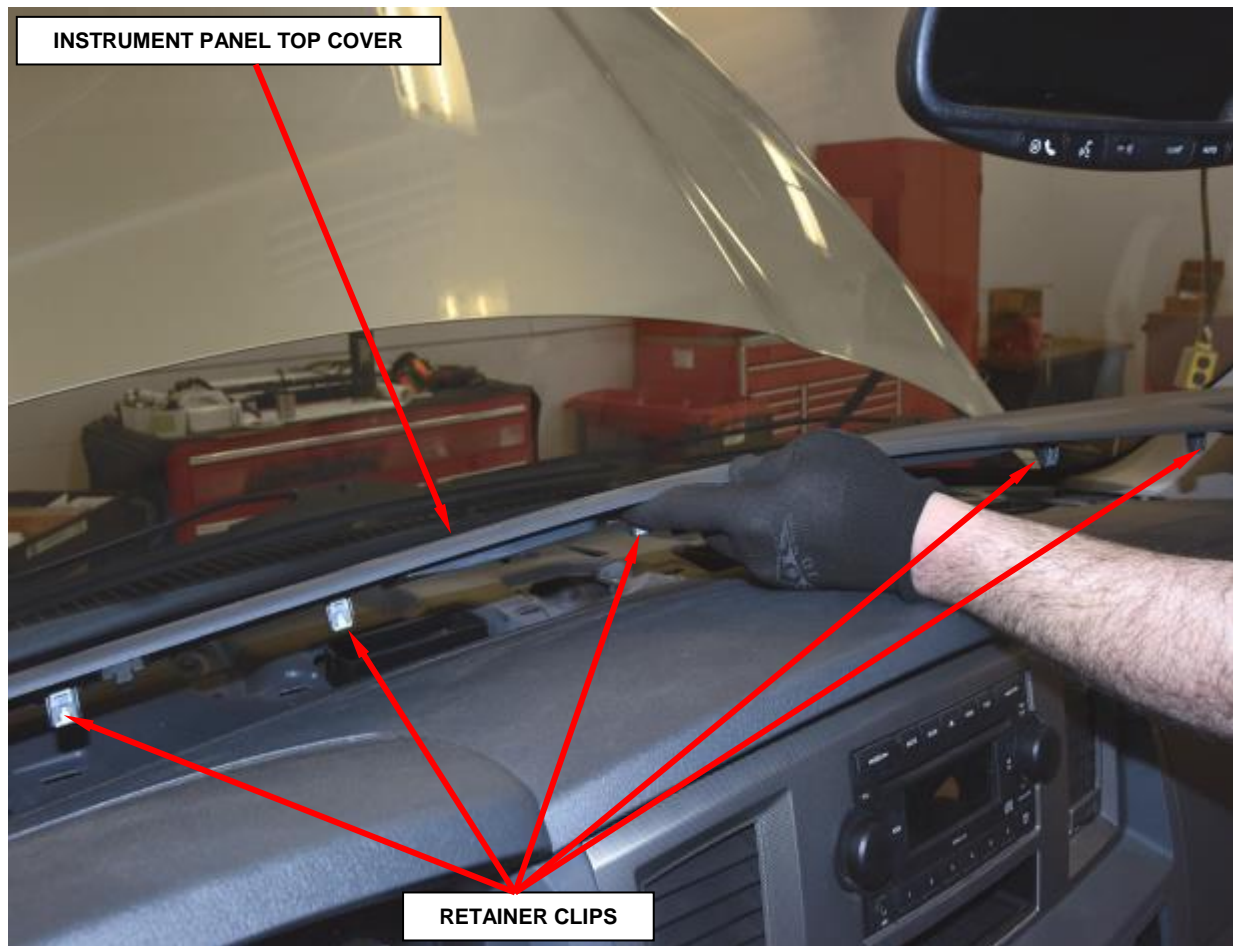
When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge before further service

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.

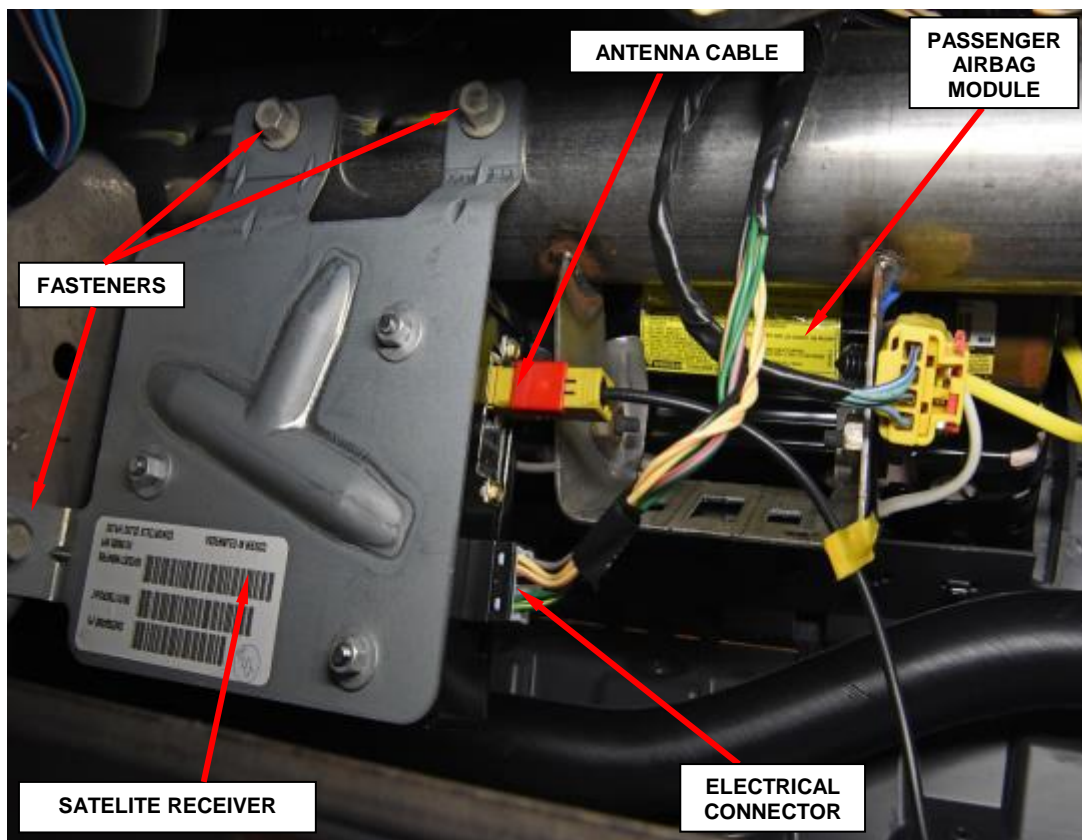
**Service Procedure (Continued)**

2. Using a trim stick C-4755 or equivalent, disengage the eight retainer clips that secure the rear of the instrument panel top cover to the top of the instrument panel (Figure 1).
3. Pull the instrument panel top cover rearward to release the five retainer clips that secure the front of the instrument panel top cover to the top of the instrument panel and remove the cover.

**Figure 1 - Instrument Panel Top Cover**

**Service Procedure (Continued)**

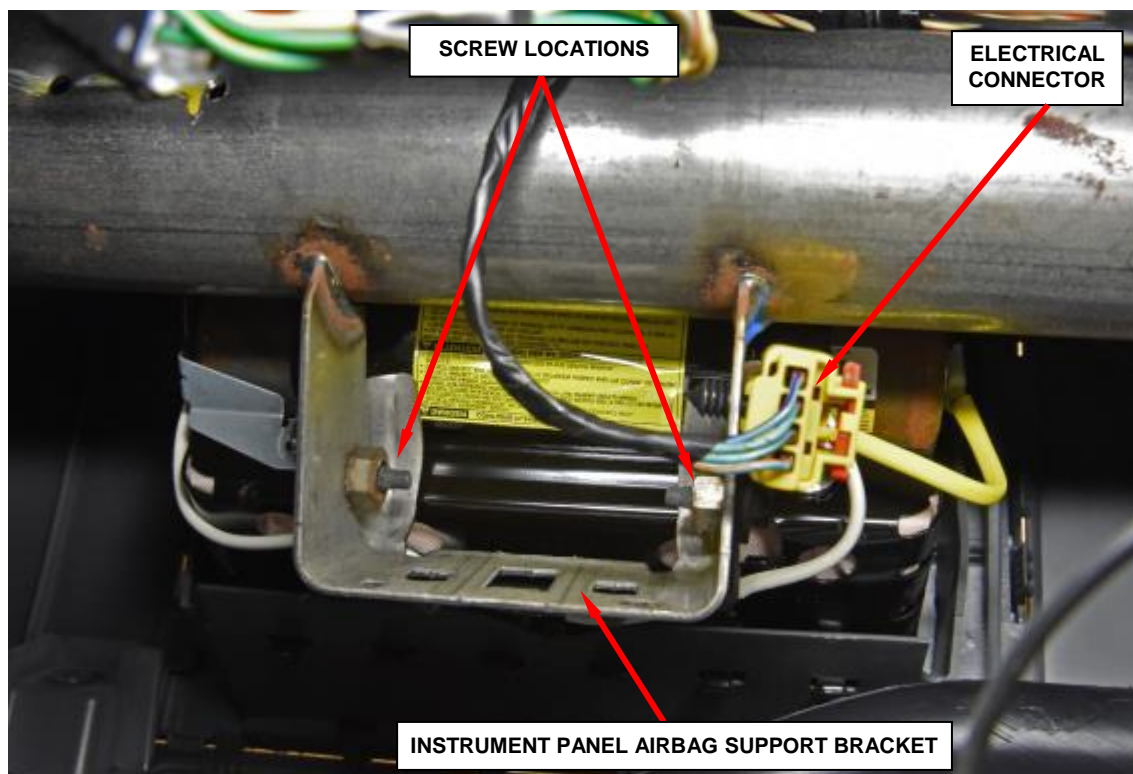
4. Remove the glove box from the instrument panel.
5. Disconnect the antenna cable and electrical connector, if equipped (Figure 2).
6. Remove the three mounting fasteners securing the receiver to the bracket if equipped (Figure 2).
7. Remove the satellite receiver, if equipped (Figure 2).



**Figure 2 – Satellite Receiver (if equipped)  
(View through glove box opening)**

**Service Procedure (Continued)**

8. Reach up into the instrument panel between the upper glove box opening reinforcement and the cross car beam to access and disconnect the instrument panel wire electrical connector from the airbag inflator pigtail wire connector on the right side of the instrument panel airbag support bracket (Figure 3).  
To disconnect the connector:
  - a. Slide the red Connector Position Assurance (CPA) lock on the top of the connector toward the side of the connector.
  - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.
9. Remove and save the two screws that secure the passenger airbag lower bracket to the instrument panel airbag support bracket (Figure 3).
10. Disengage the airbag inflator pigtail wire connector from the instrument panel airbag support bracket (Figure 3).



**Figure 3 – Airbag Module (View through glove box opening)**

**Service Procedure (Continued)**

11. Using a trim stick or another suitable wide flat-bladed tool, gently pry the airbag door forward, then the outboard edges of the passenger airbag door away from the instrument panel far enough to disengage the snap features on the door from the receptacles in the instrument panel base trim (Figure 4).
12. Remove the passenger airbag and airbag door from the instrument panel as a unit.

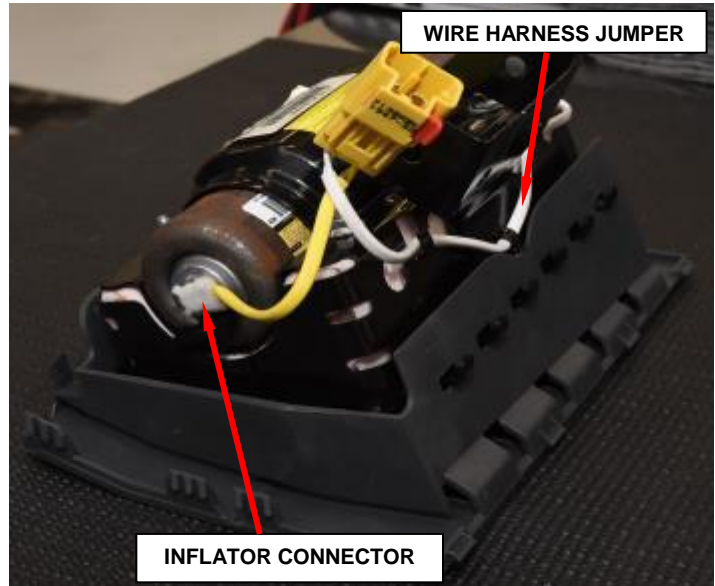
**Figure 4 – Passenger Airbag Removal**



**Service Procedure (Continued)**

13. Use the following procedure to retrofit the passenger side airbag assembly.

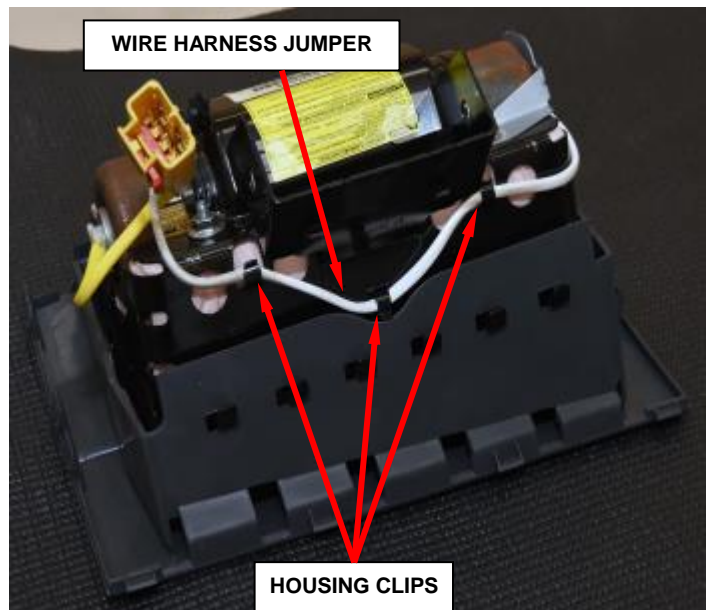
- a. Place the passenger airbag assembly on a soft surface to prevent damage using the foam block provided with the inflator kit.



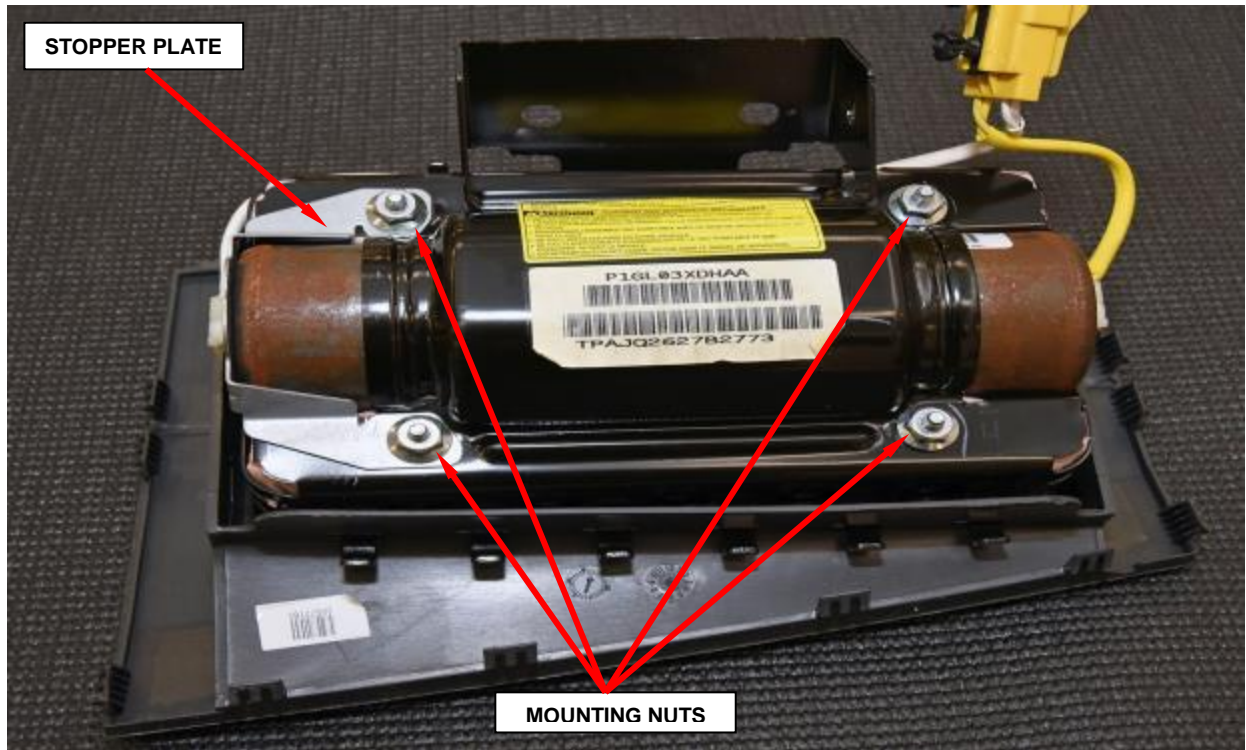
**Figure 5 – Inflator Connector**

- b. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 5).

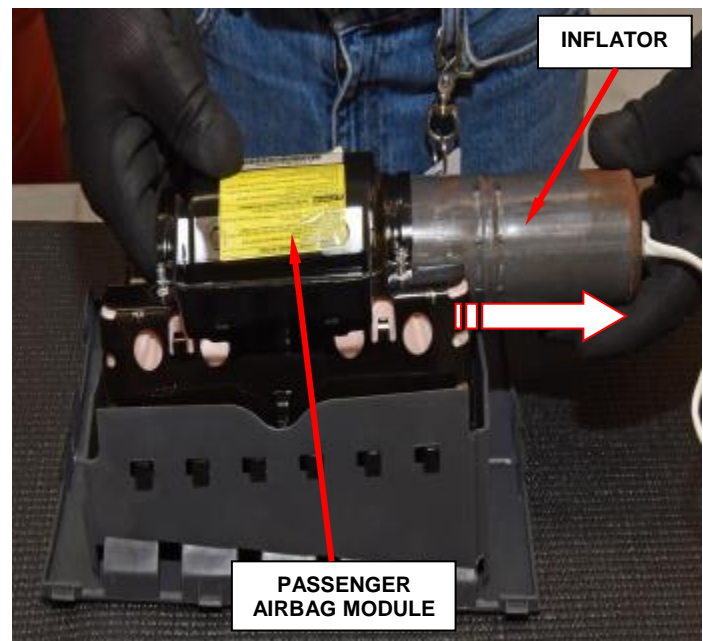
- c. Disengage the wire harness jumper from the housing clips in three places (Figure 6).



**Figure 6 – Wire Harness Jumper**

**Service Procedure (Continued)****Figure 7 – Mounting Nuts and Stopper Plate**

- d. Remove and **discard** the four mounting nuts and remove and save the stopper plate from the passenger airbag module (Figure 7).
- e. Slide the inflator out of the passenger airbag module (Figure 8).

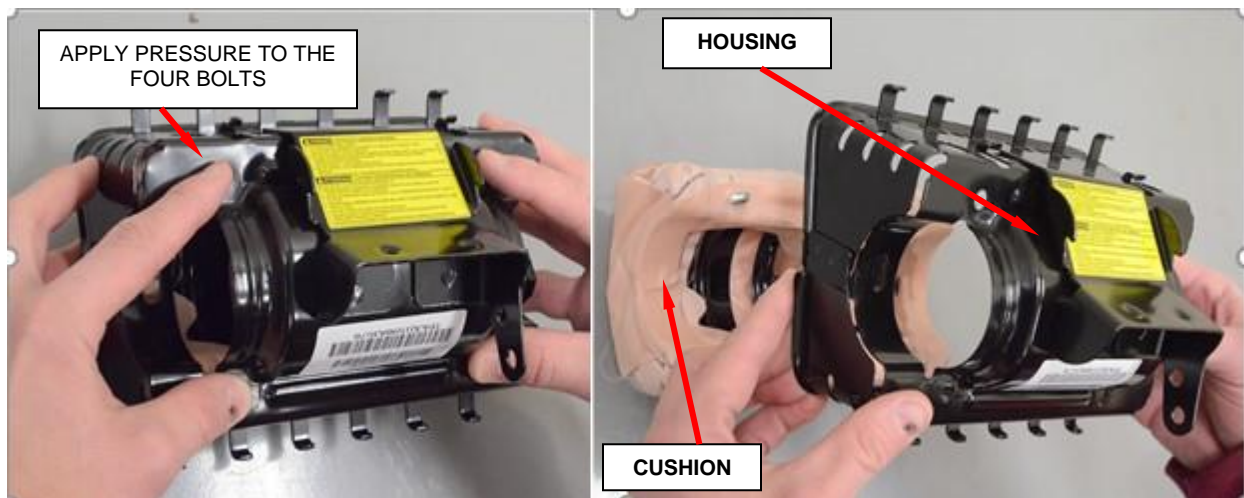
**Figure 8 – Inflator Removal**

**Service Procedure (Continued)**

- For vehicles using replacement inflator kit **CBXZS432AA (PSAN)**, continue with Step n.
- For vehicles using replacement inflator kit **CBXZS432AB or AC (GuNi)**, continue with Step f.

f. Remove the airbag module from the door.

g. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 9).

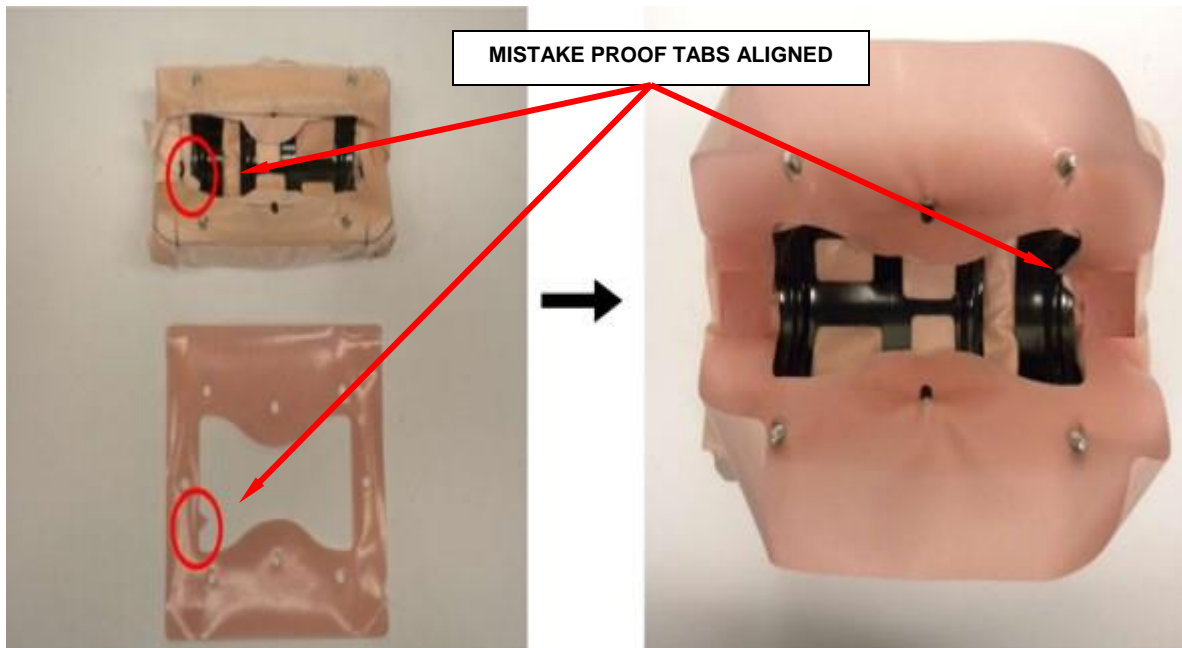


**Figure 9 – Remove Airbag Cushion from Housing**



**Service Procedure (Continued)**

- h. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 10).



**Figure 10 - Fabric Gasket to Cushion (Glossy Side Up)**

**Service Procedure (Continued)**

- i. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 11).



Figure 11 – Fabric Gasket

- j. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 12).



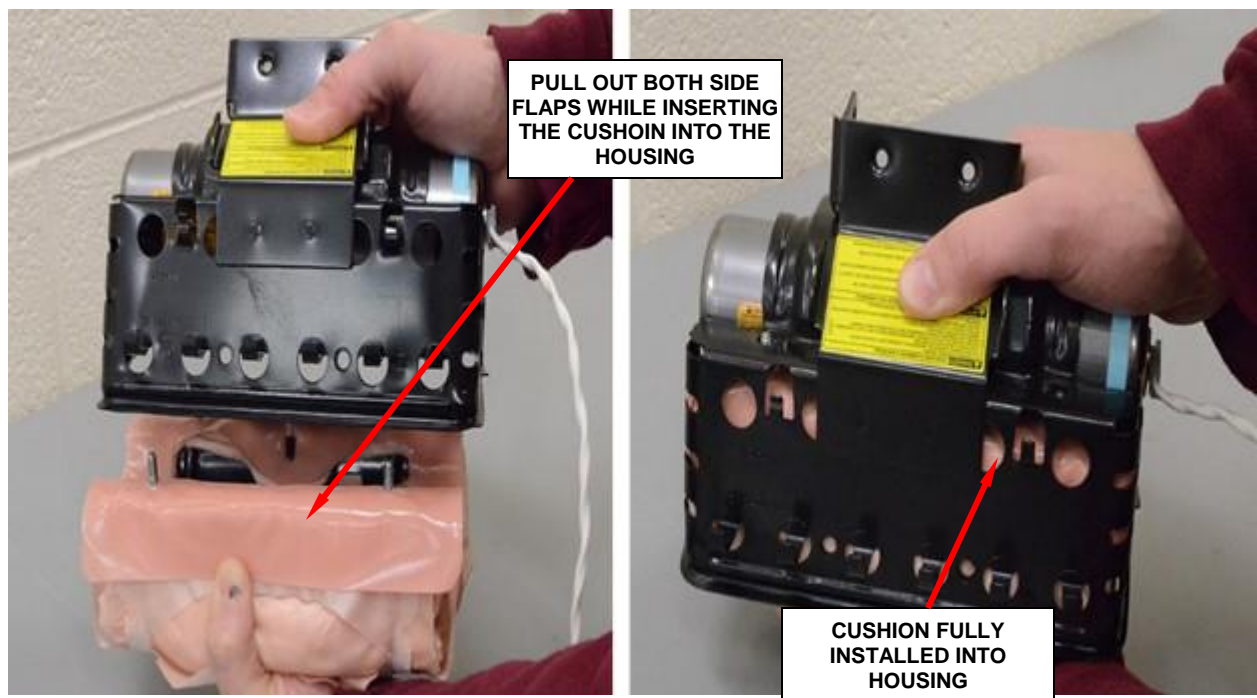
Figure 12 – Insert Inflator

**Service Procedure (Continued)**

**NOTE: The inflator's key MUST line up with the housing's key (Figure 14).**

k. Insert the cushion, pulling out both side flaps (Figure 13).

**NOTE: The spacing between the bolts is different on both sides, thus mistake-proof.**



**Figure 13 - Side Flaps Must Be Held Out**

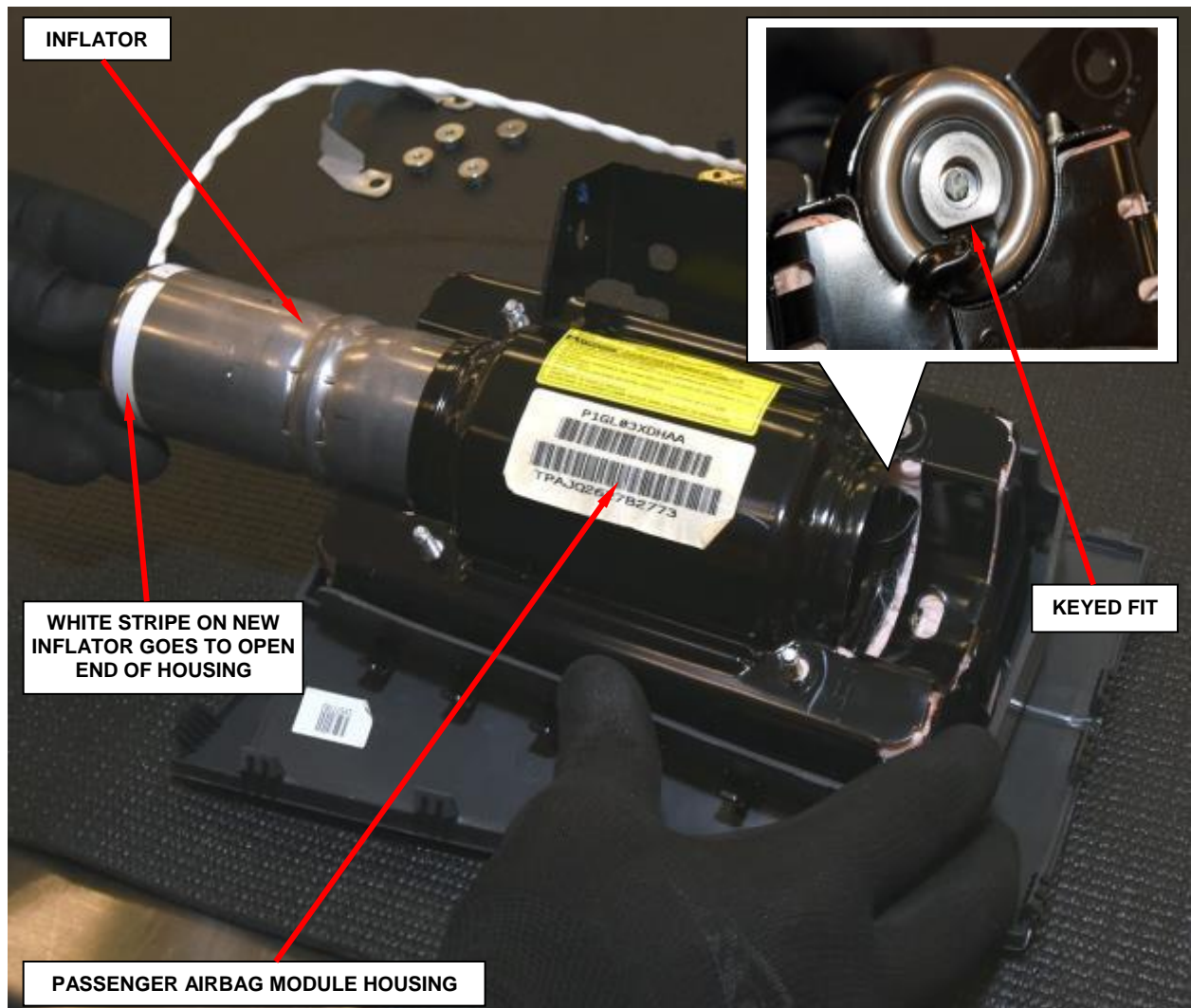
l. Install the airbag module to the door.

m. Continue with Step o to complete retrofit.

**Service Procedure (Continued)**

- n. Slide the **NEW** inflator into the passenger airbag module housing. The keyed end is inserted first; therefore, the white stripe on the **NEW** inflator will be located at the open end (Figure 14).

**NOTE: The inflator is keyed to fit into the housing (Figure 14).**



**Figure 14 - Passenger Inflator Installation**

**Service Procedure (Continued)**

- o. Install the stopper plate to the airbag module (Figure 7).
- p. Install the four **NEW** mounting nuts to the airbag module and tighten to 53 in. lbs. (6 N·m) (Figure 7).
- q. Connect the single yellow wire inflator connector to the end of the inflator after removing the protective tape from the end of the inflator (Figure 5).
- r. Engage the wire harness jumper under the housing clips in three places (Figure 6).
- s. Retrofit is complete.

**WARNING:** To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**WARNING:** To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**Service Procedure (Continued)**

14. Carefully position the passenger airbag and airbag door through the opening in the top of the instrument panel. Be certain that the rear edge of the passenger airbag lower bracket is engaged in the hook formation of the instrument panel airbag support bracket, and the anti-rotation tabs on either side of the hook are engaged in the two holes in the airbag lower bracket.
15. Install and tighten the two screws that secure the passenger airbag lower bracket to the instrument panel airbag support bracket. Tighten the screws to 55 in. lbs. (6 N·m).
16. Connect the airbag inflator pigtail wire connector onto the side of the instrument panel airbag support bracket.
17. Connect the instrument panel wire harness connector to the passenger airbag pigtail wire connector on the right side of the airbag lower mounting bracket. Be certain that the latch on the connector and the red Connector Position Assurance (CPA) lock are each fully engaged.
18. Engage the interlocking tabs on the rear edge of the passenger airbag door into the corresponding slots in the instrument panel base trim.
19. Using hand pressure, push down on the passenger airbag door over each snap feature on both sides and the forward edge of the airbag door until it snaps into its receptacle in the instrument panel base trim.

<b>Service Procedure (Continued)</b>
--------------------------------------

20. Position satellite receiver and install mounting fasteners, if equipped. Tighten fasteners securely.
21. Connect antenna cable and electrical harness connector to receiver, if equipped.
22. Install the glove box into the instrument panel.
23. Install the top cover onto the top of the instrument panel.
24. Do not reconnect the battery negative cable at this time. The Supplemental Restraint System (SRS) verification test procedure should be performed following service of any SRS component.
25. Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.



**Service Procedure (Continued)****C. Replace Passenger Airbag Inflator: HB, HG**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

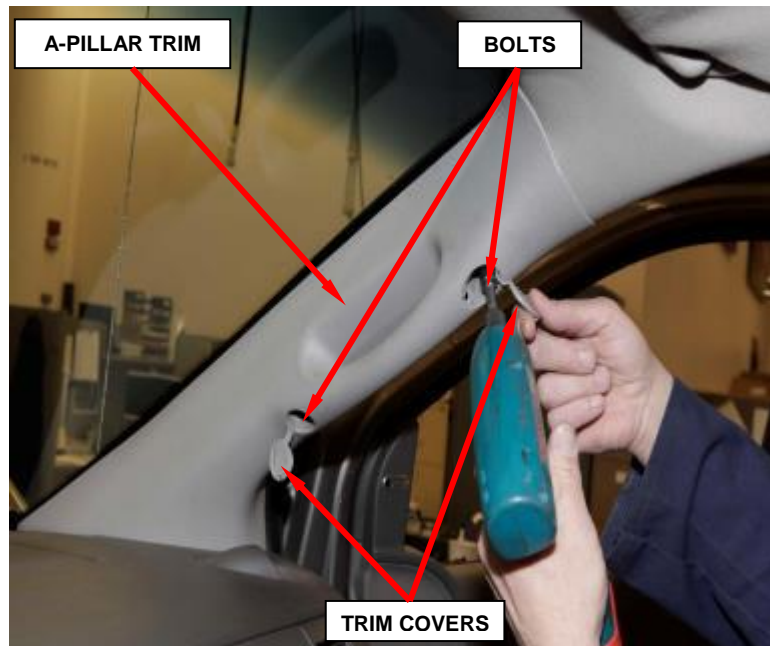
1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge before further service

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.



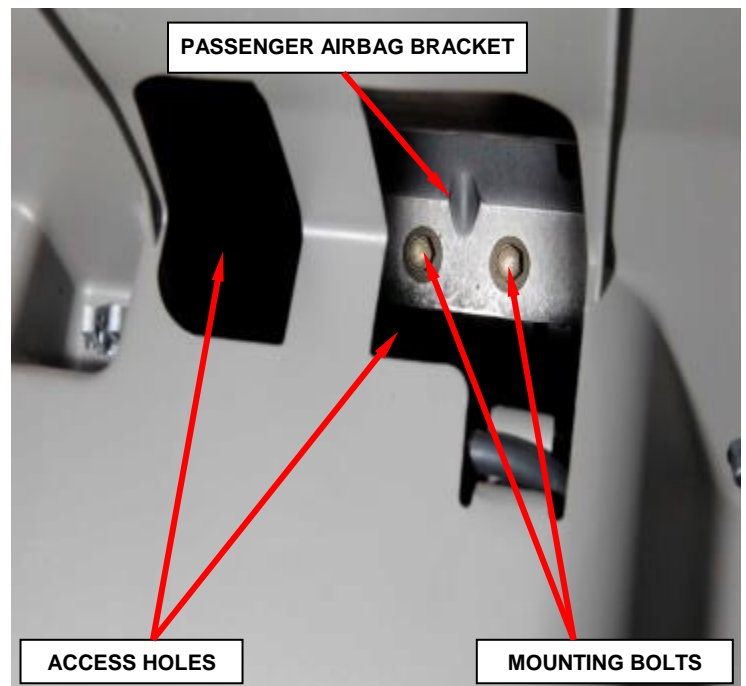
**Service Procedure (Continued)**

2. Use the following steps to remove the defroster grille from the top of the instrument panel.
  - a. Using a trim stick, remove the driver side A-pillar trim.
  - b. Open the trim covers in the passenger side A-pillar grab handle and remove and save the two bolts (Figure 15).
  - c. Remove the passenger side A-pillar trim.
  - d. Using a trim stick, remove the instrument panel defroster grille (Figure 16).
  - e. Disconnect the sun sensor electrical connector from the center of the instrument panel defroster grille.

**Figure 15 – Passenger Side A-Pillar Trim****Figure 16 – Instrument Panel Defroster Grille**

**Service Procedure (Continued)**

3. Use the following steps to remove the glove box.
  - a. Release the two glove box stops and lower the glove box downward past the stops.
  - b. Disengage the glove box hinges from the instrument panel and remove the glove box.
4. Reach up into the instrument panel glove box opening and through the access holes to remove and save the two mounting bolts that secure the passenger airbag bracket to the instrument panel support structure (Figure 17) (Figure 18).



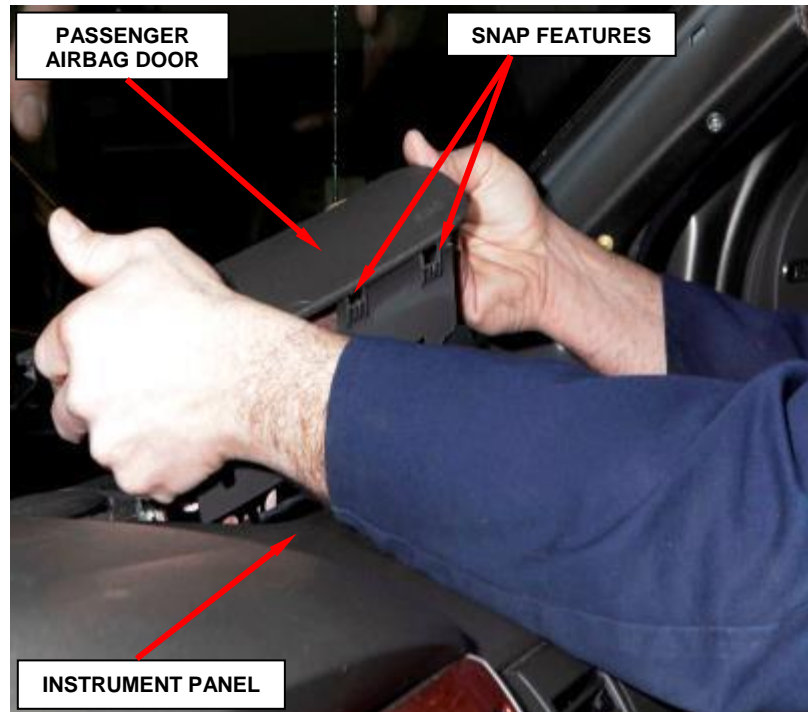
**Figure 17 – Airbag Mounting Screws and Bracket**



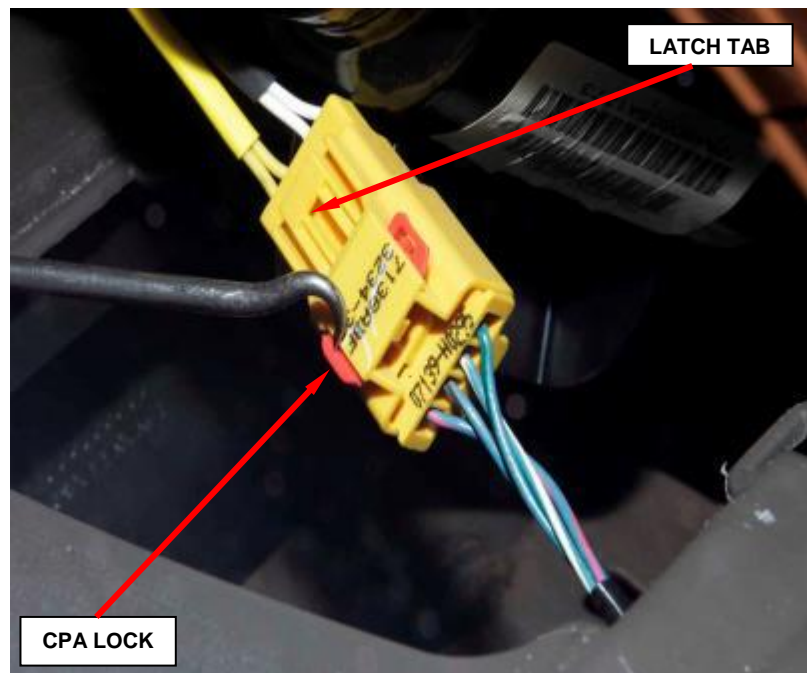
**Figure 18 - Passenger Airbag Mounting Bolt Access Holes**

**Service Procedure (Continued)**

5. Using a trim stick or another suitable wide flat bladed tool, gently pry the forward and side edges of the passenger airbag door away from the top of the instrument panel far enough to disengage the snap features on the airbag door from the receptacles in the instrument panel top pad (Figure 19).

**Figure 19 – Passenger Airbag Door**

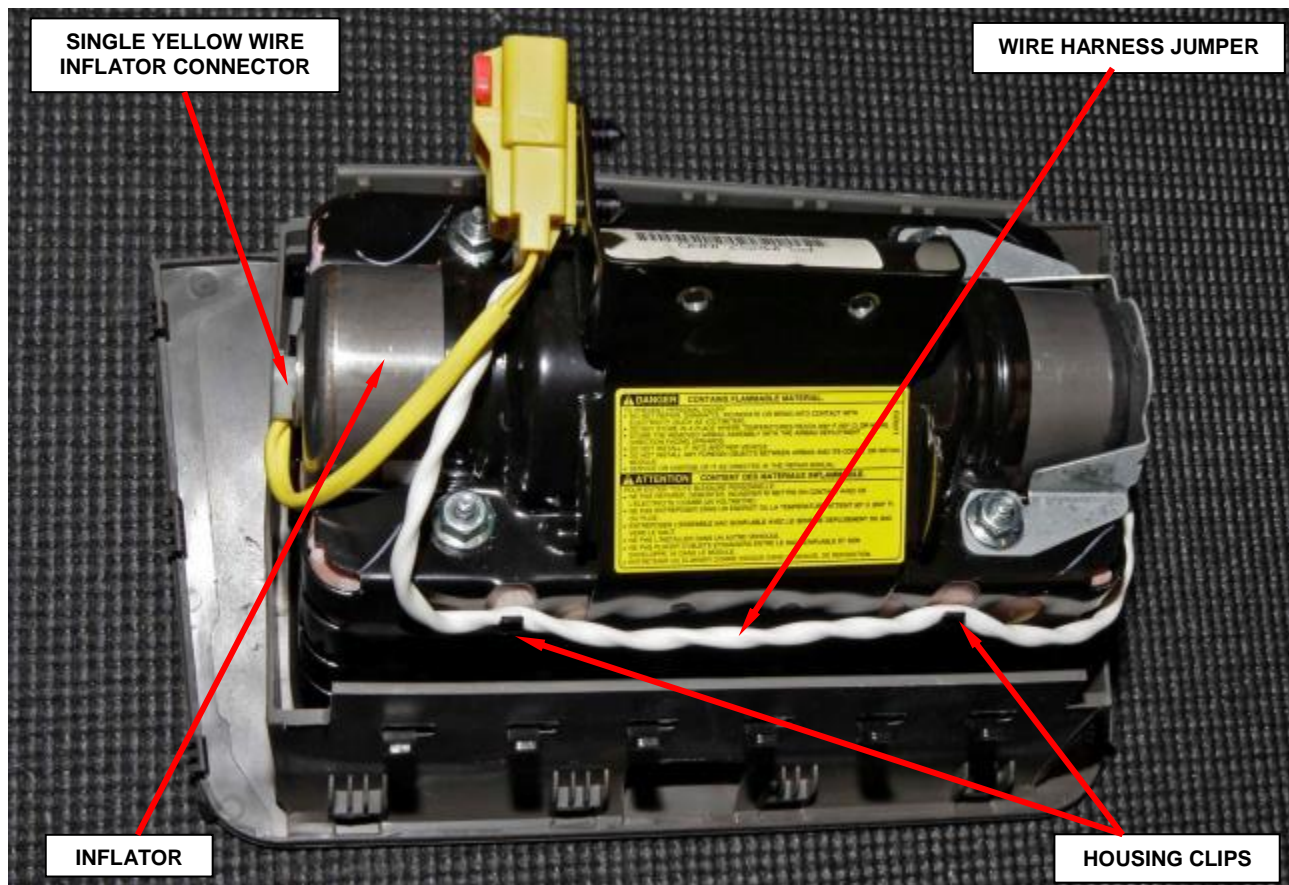
6. Pull the passenger airbag out of the instrument panel far enough to access and disconnect the instrument panel wire harness connector from the passenger airbag inflator pigtail connector on the right side of the passenger airbag mounting bracket.
  - a. Slide the red Connector Position Assurance (CPA) lock on the connector toward the side of the connector (Figure 20).
  - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.

**Figure 20 – Airbag Inflator Pigtail Connector**

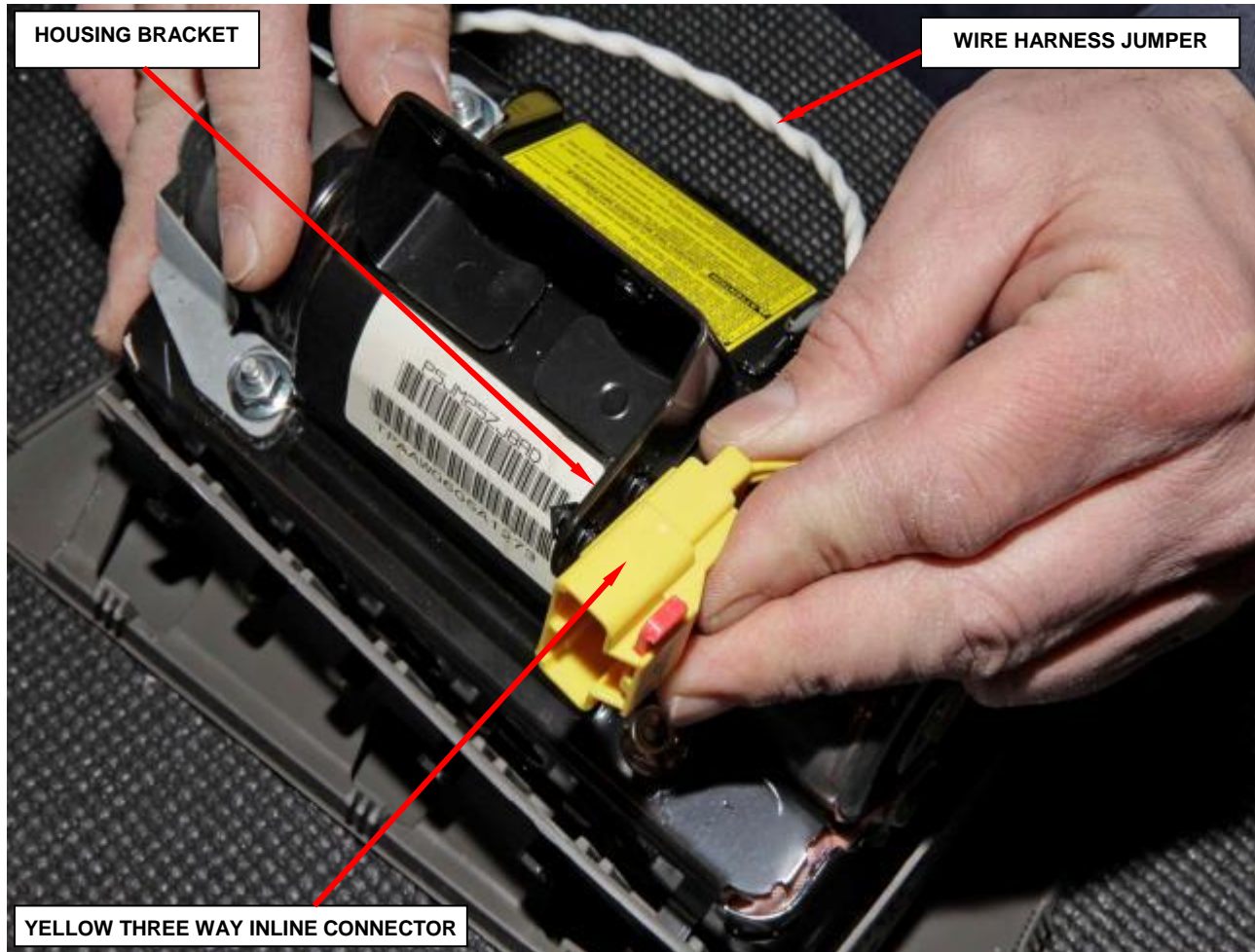


**Service Procedure (Continued)**

7. Remove the passenger airbag and airbag door from the instrument panel as a unit.
8. Use the following procedure to retrofit the passenger airbag assembly.
  - a. Place the passenger airbag assembly on a soft surface to prevent damage using the foam block provided with the inflator kit.
  - b. Disengage the wire harness jumper from the housing clips in two places (Figure 21).
  - c. Disconnect the single yellow wire inflator connector from the end of the inflator (Figure 21).

**Figure 21 – Passenger Airbag Assembly**

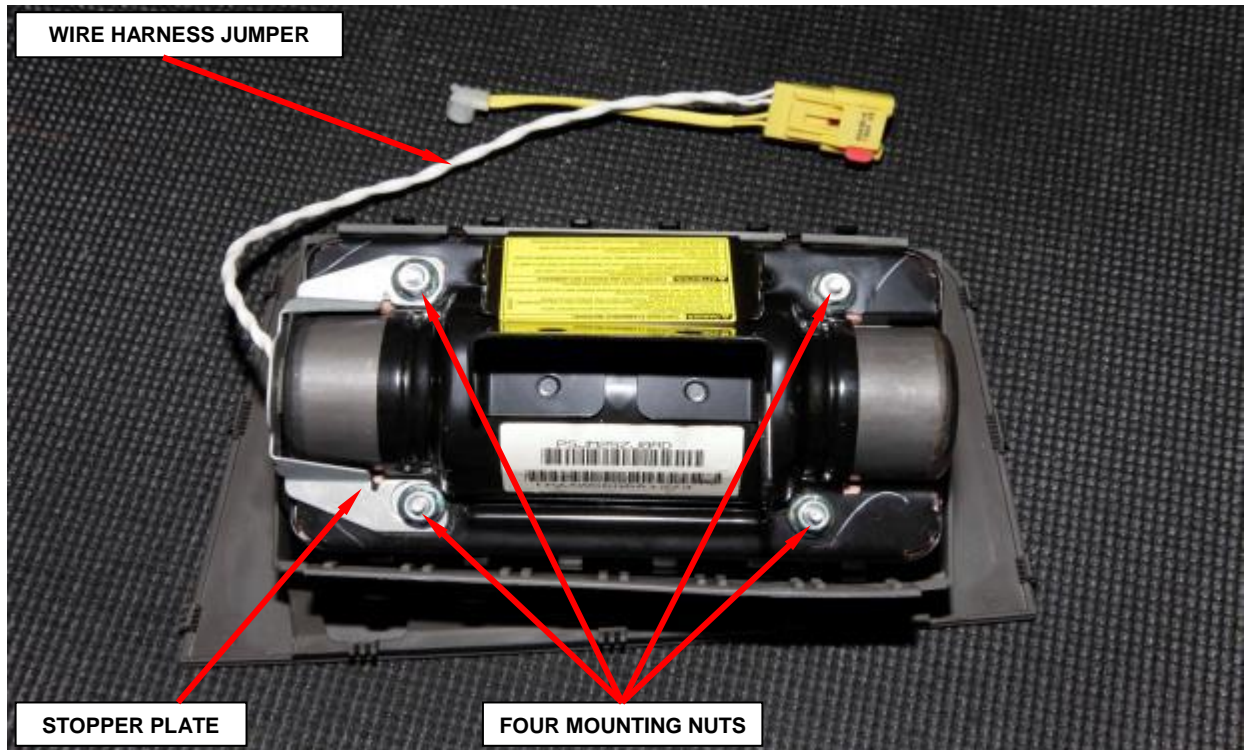
**Service Procedure (Continued)**



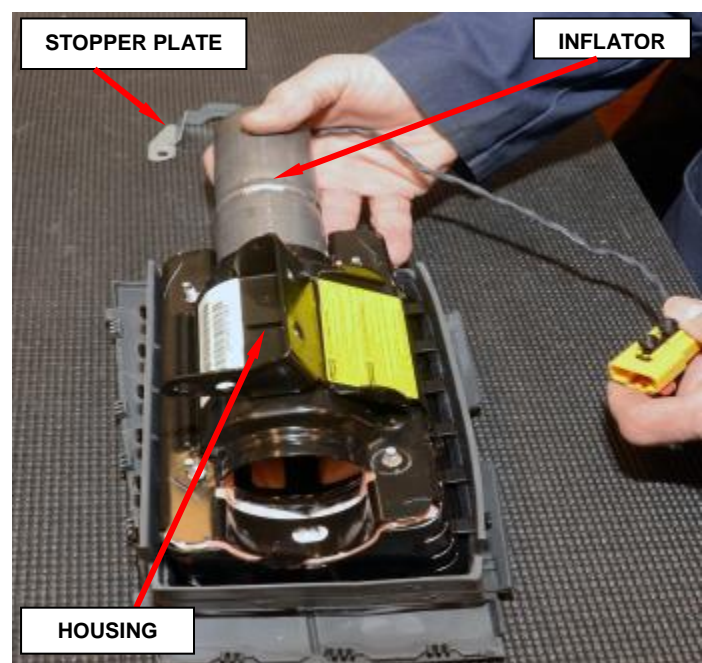
**Figure 22 – Inflator Connectors**

- d. Release the yellow three way inline connector from the housing bracket (Figure 22).



**Service Procedure (Continued)****Figure 23 – Mounting Nuts and Stopper Plate**

- e. Remove and **discard** the four mounting nuts and remove and save the stopper plate from the housing (Figure 23)
- f. Slide the inflator out of the housing (Figure 24).

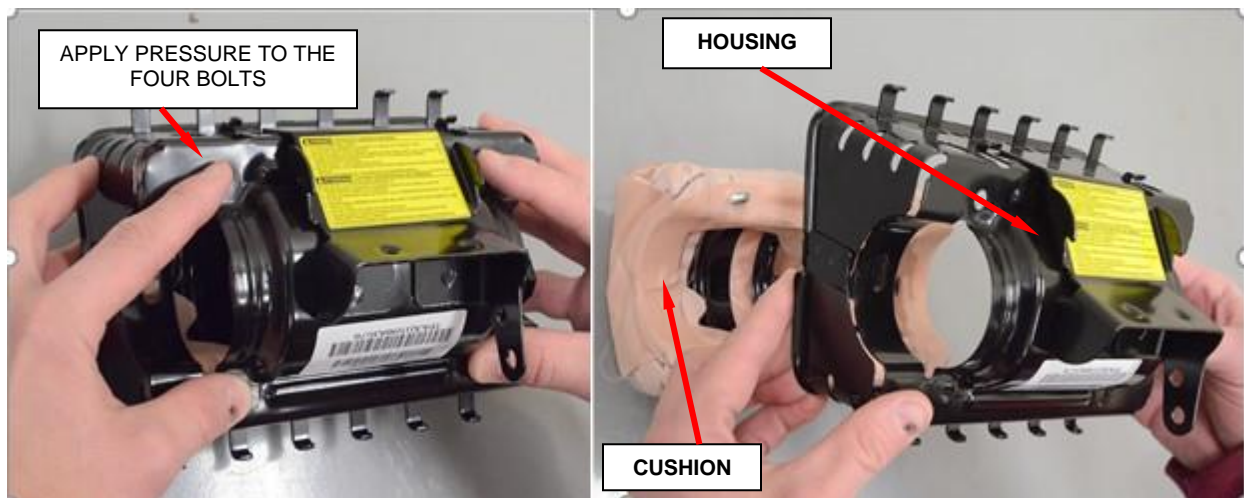
**Figure 24 – Inflator Removal**

**Service Procedure (Continued)**

- For 2009 MY HB and HG vehicles, if using replacement inflator kit **CBXZS432AA (PSAN)**, continue with Step o.
- For 2009 MY HB and HG vehicles, if using replacement inflator kit **CBXZS432AB or AC (GuNi)**, continue with Step g.

g. Remove the airbag module from the door.

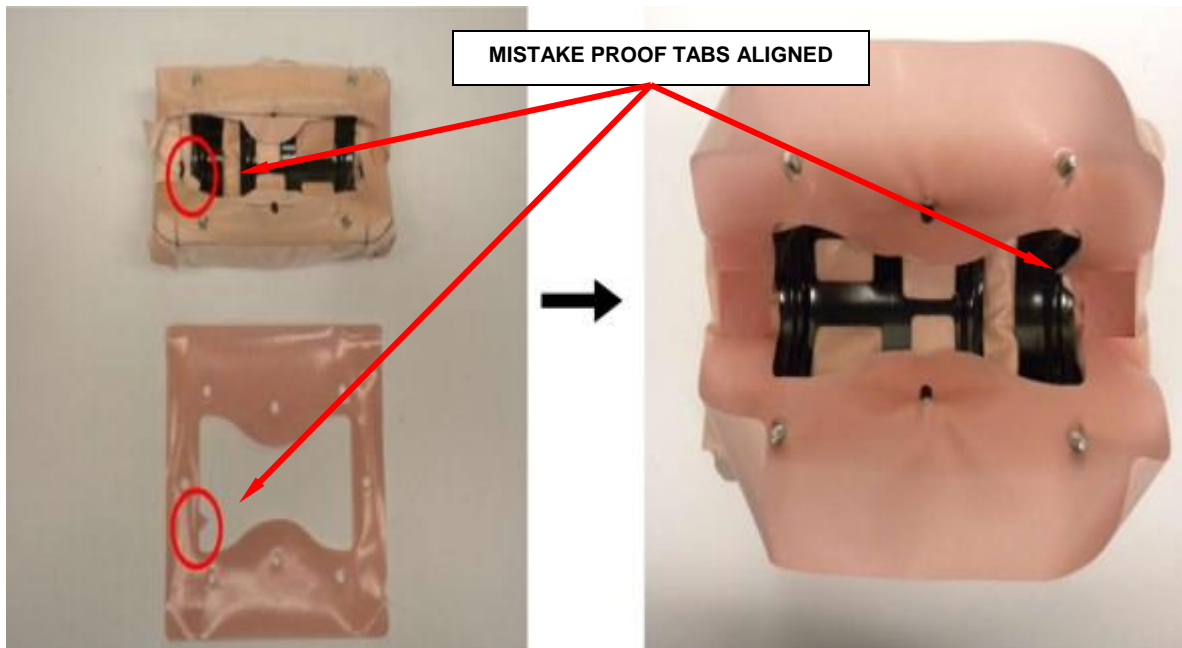
h. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 25).



**Figure 25 – Remove Airbag Cushion from Housing**

**Service Procedure (Continued)**

- i. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 26).



**Figure 26 - Fabric Gasket to Cushion (Glossy Side Up)**



**Service Procedure (Continued)**

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 27).



Figure 27 – Fabric Gasket

- k. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 28).



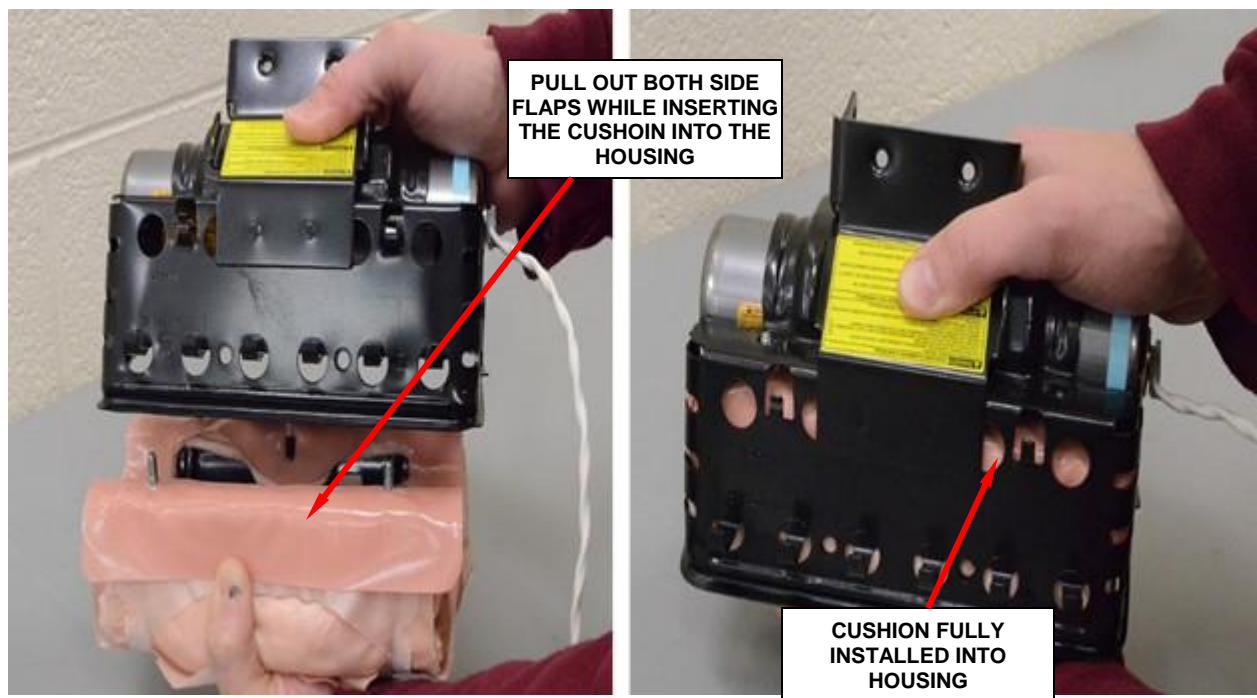
Figure 28 – Insert Inflator

**Service Procedure (Continued)**

**NOTE: The inflator's key MUST line up with the housing's key (Figure 30).**

1. Insert the cushion, pulling out both side flaps (Figure 29).

**NOTE: The spacing between the bolts is different on both sides, thus mistake-proof.**



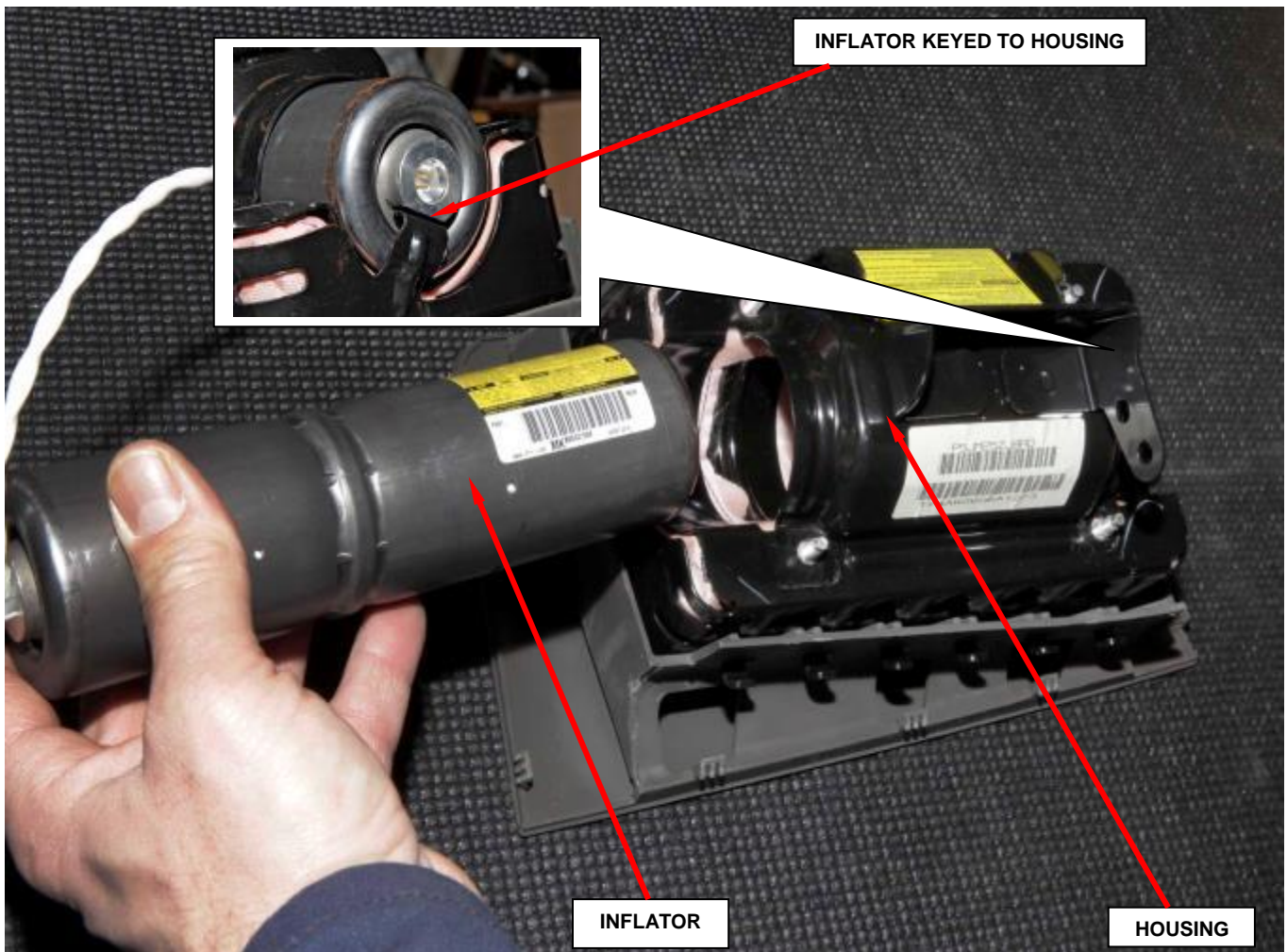
**Figure 29 - Side Flaps Must Be Held Out**

- m. Install the airbag module to the door.
- n. Continue with Step p to complete retrofit.

**Service Procedure (Continued)**

- o. Slide the **new** inflator into the housing (Figure 30).

**NOTE: The inflator is keyed to fit into the housing.**



**Figure 30 – Inflator Installation**

**Service Procedure (Continued)**

- p. Install the stopper plate to the passenger airbag module.
- q. Install the four new mounting nuts to the passenger airbag module and tighten to 53 in. lbs. (6 N·m).
- r. Install the yellow three way inline connector to the housing bracket.
- s. Connect the single yellow wire inflator connector to the end of the inflator after removing the protective tape from the end of the inflator.
- t. Engage the wire jumper to the housing clips in two places.

**WARNING: To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.**

**WARNING: To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.**

- 9. Carefully position the passenger airbag and airbag door to the instrument panel as a unit.
- 10. Connect the instrument panel wire harness connector for the airbag to the passenger airbag inflator pigtail wire connector on the right side of the airbag mounting bracket. Be certain that the latch on the connector and the red Connector Position Assurance (CPA) lock are each fully engaged.

**Service Procedure (Continued)**

11. Carefully lower the passenger airbag unit into the instrument panel, being certain that the airbag mounting bracket is properly positioned to the instrument panel support structure.
12. Reach into the glove box opening to install and tighten the two mounting bolts that secure the passenger airbag mounting bracket to the instrument panel support structure through the access holes. Tighten the mounting bolts to 55 in. lbs. (6 N·m).
13. Align and insert the rearward tabs of the passenger airbag door into the slots in the instrument panel top pad.
14. Using hand pressure, push down on the passenger airbag door over each snap feature until it snaps into its receptacle in the instrument panel base trim.
15. Install the glove box into the instrument panel.
16. Connect the sun sensor connector to the sun sensor.
17. Install the defroster grille onto the top of the instrument panel.
18. Install the passenger side A-pillar trim.
19. Install the passenger side grab handle.
20. Install the driver's side A-pillar trim.
21. **Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.**

**Service Procedure (Continued)****D. Replace Passenger Airbag Inflator: 2009-2010 LX**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

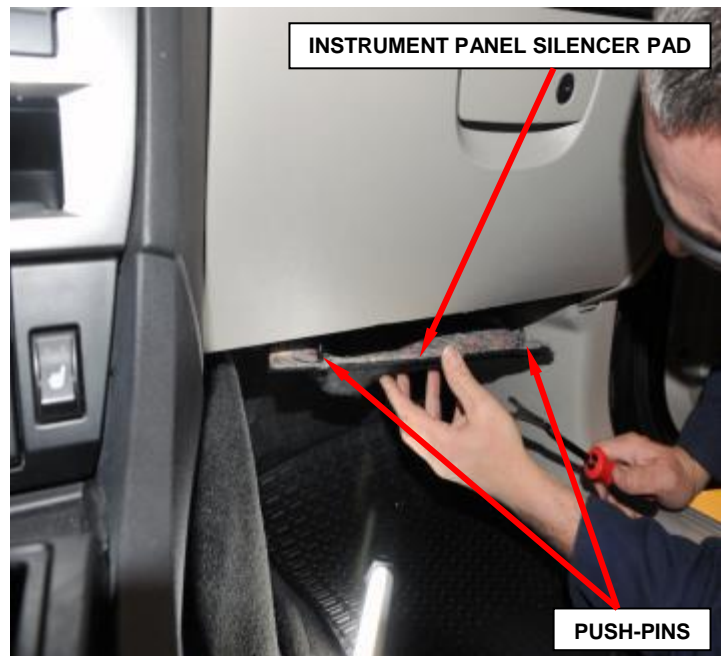
1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge before further service

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.



**Service Procedure (Continued)**

2. Use the following steps to remove the right side instrument panel silencer pad.
  - a. Remove and save the two push-pins that secure the instrument panel silencer to the instrument panel (Figure 31).
  - b. Pull the right side silencer pad rearward to disengage it from the brackets located near the dash panel.
  - c. Remove the right side silencer pad from the vehicle.

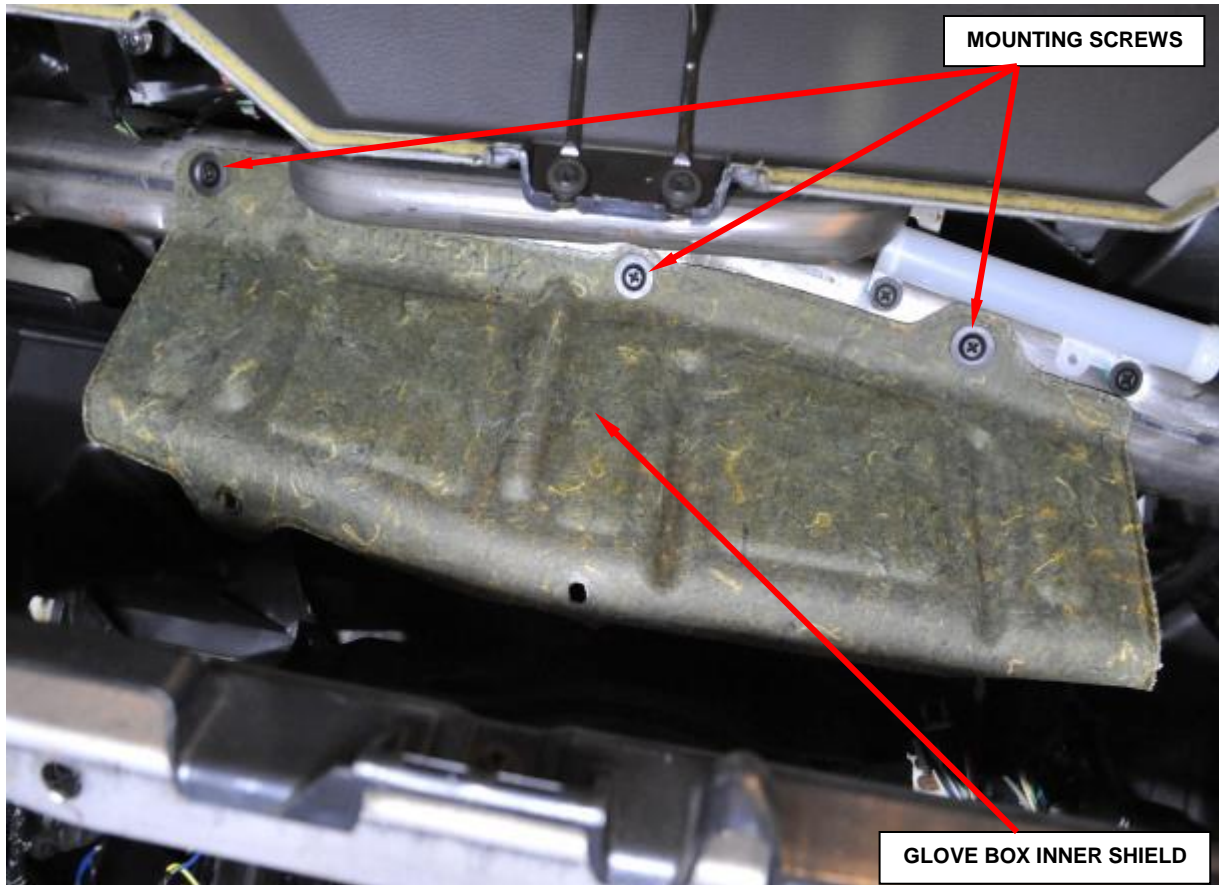
**Figure 31 - Instrument Panel Silencer**

3. Use the following steps to remove the glove box.
  - a. Remove the check strap from the right side of the glove box (Figure 32).
  - b. Release the two glove box stops and lower the glove box downward past the stops.
  - c. Disengage the glove box hinges from the instrument panel and remove the glove box.

**Figure 32 – Check Strap**

**Service Procedure (Continued)**

4. Remove and save the three mounting screws to the inner glove box shield, if equipped (Figure 33).

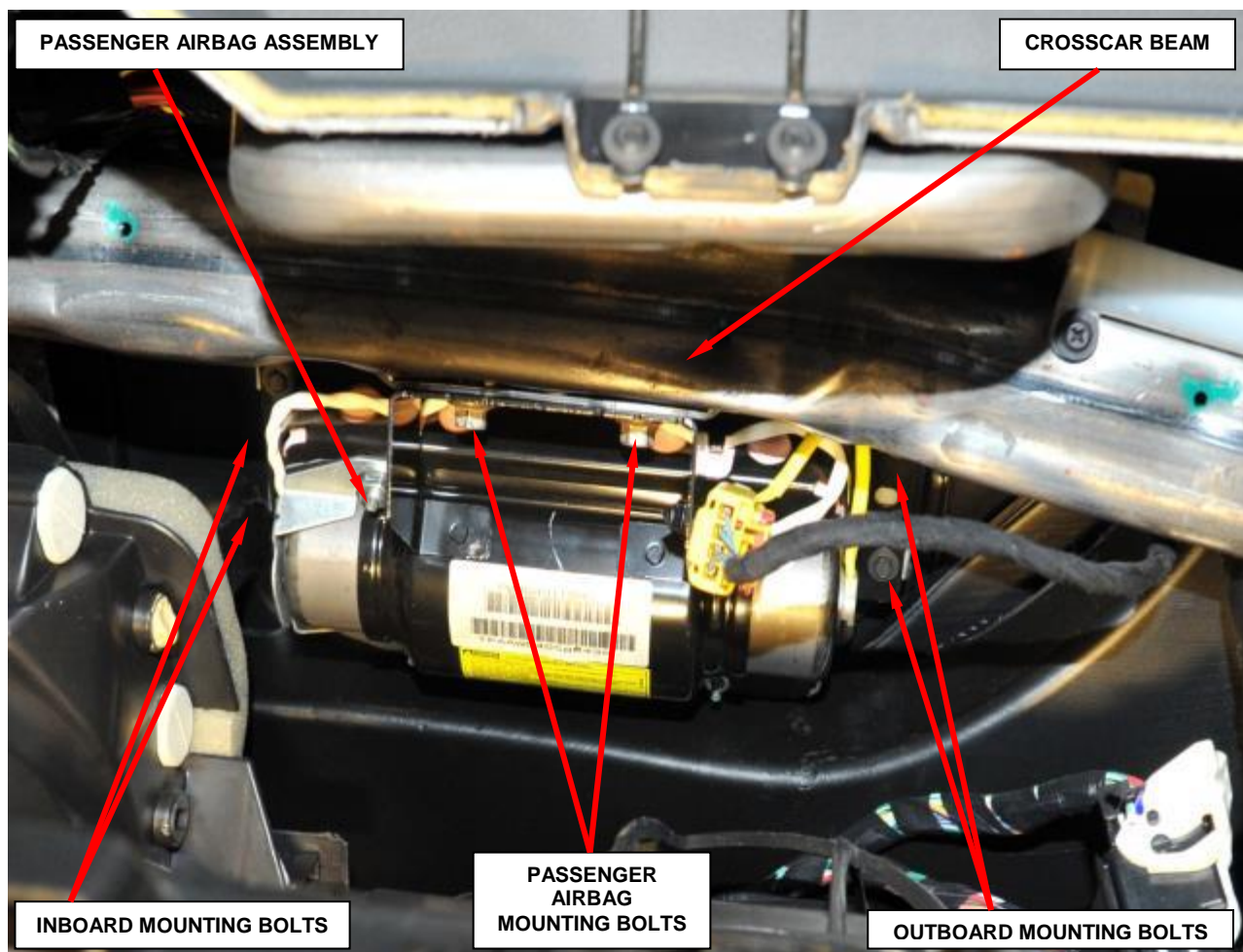


**Figure 33 – Inner Glove Box Shield**



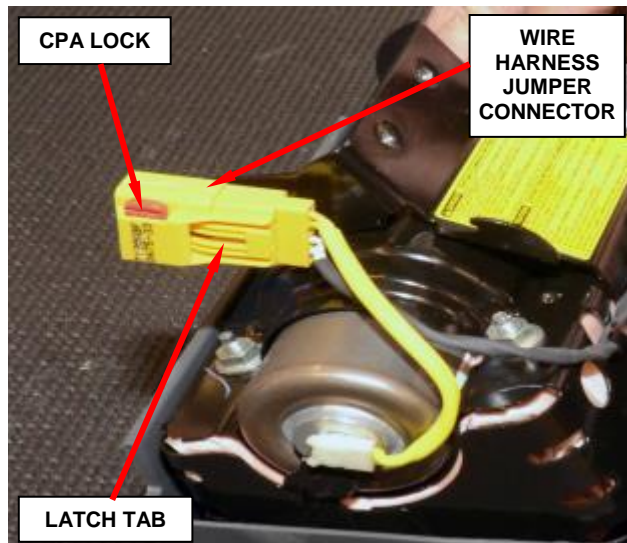
**Service Procedure (Continued)**

5. Remove and save the two inboard mounting bolts to the passenger airbag assembly just below the distribution duct and to the left of the distribution housing (Figure 34).
6. Remove and save the two outboard mounting bolts to the passenger airbag assembly just below the distribution duct (Figure 34).
7. Remove and save the two passenger airbag assembly mounting bolts to the crosscar beam (Figure 34).

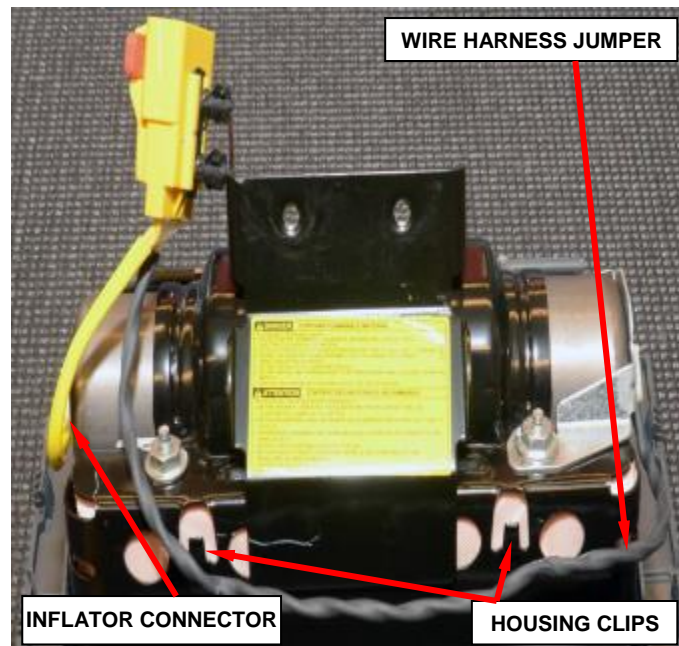
**Figure 34 – Passenger Airbag Mounting Locations**

**Service Procedure (Continued)**

8. Pull the passenger airbag assembly out of the instrument panel far enough to access and disconnect the instrument panel wire harness connector from the wire harness jumper connector on the right side of the airbag mounting bracket.
  - a. Slide the red Connector Position Assurance (CPA) lock on the connector toward the side of the connector (Figure 35).
  - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.

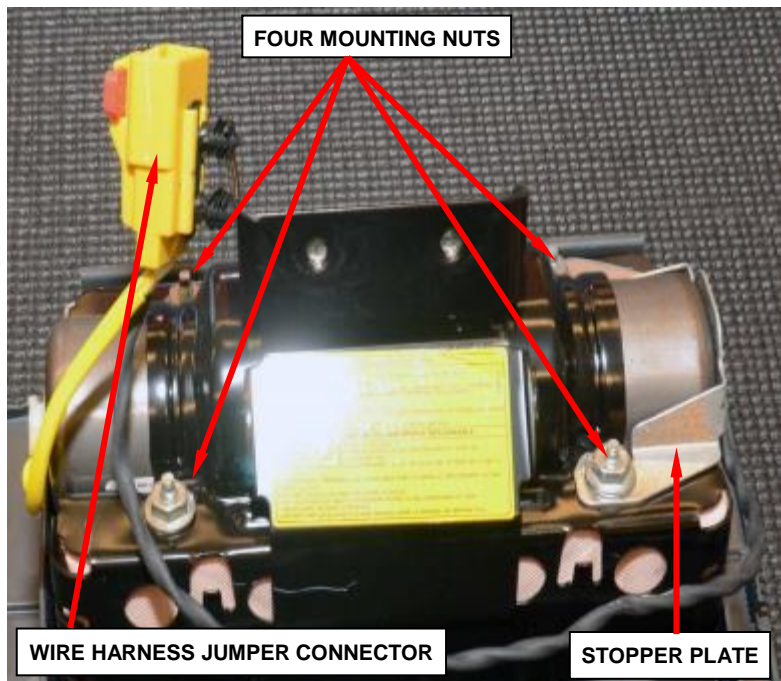
**Figure 35 – Wire Harness Jumper**

9. Remove the passenger airbag from the instrument panel as a unit.
10. Use the following procedure to retrofit the passenger airbag assembly.
  - a. Place the passenger airbag assembly on a soft surface to prevent damage.
  - b. Disengage the wire harness jumper from the housing clips in two places (Figure 36).
  - c. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 36).

**Figure 36 – Wire Harness Jumper**

**Service Procedure (Continued)**

- d. Remove the yellow three way wire harness jumper connector from the housing bracket (Figure 37).
- e. Remove and **discard** the four mounting nuts, then remove the stopper plate from the passenger airbag module (Figure 37).
- f. Slide the inflator out of the passenger airbag module (Figure 43).

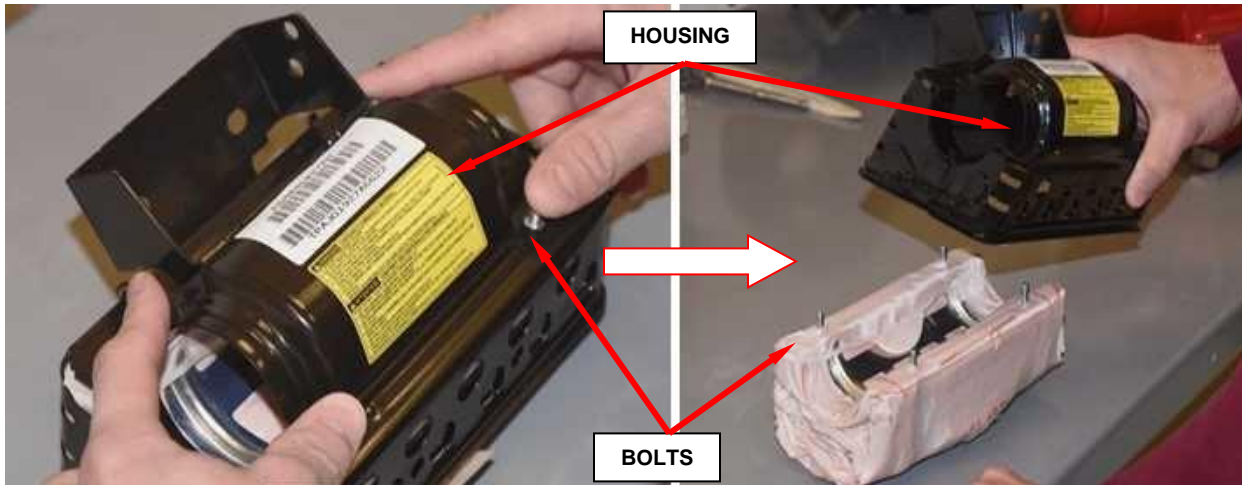
**Figure 37 – Airbag Module**

- For 2009 MY LX vehicles using replacement inflator kit **CBXZS432AA** continue to Step m.
- For 2010 MY LX vehicles, if using replacement inflator kit **CBXZS433AA**, then continue with Step m.
- For 2009 MY LX vehicles, if using replacement inflator kit **CBXZS432AB or AC (GuNi)**, continue with Step g.
- For 2010 MY LX vehicles, if using replacement inflator kit **CBXZS433AB or AC (GuNi)**, continue with Step g.

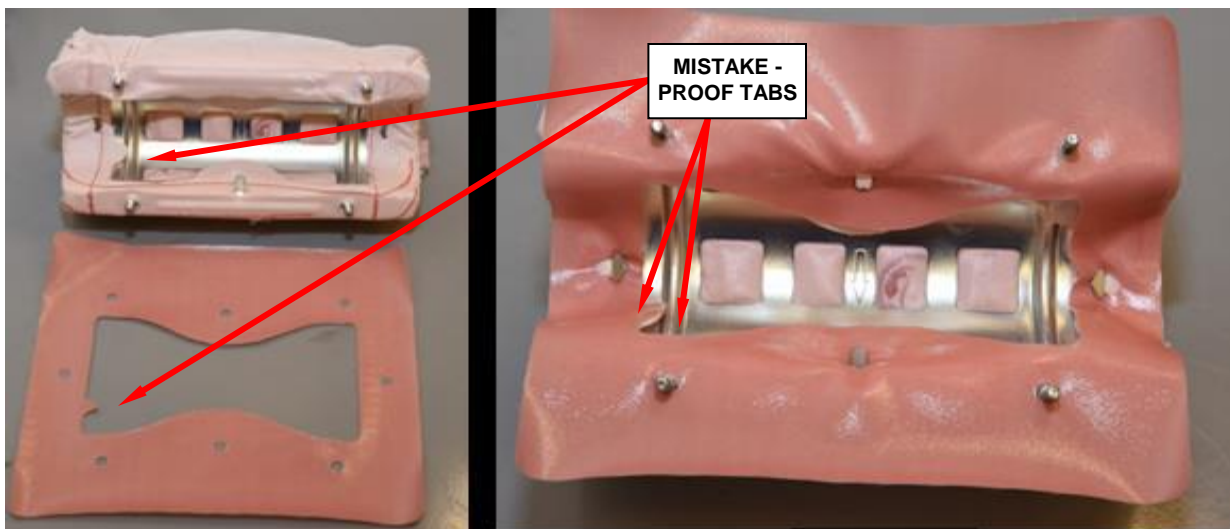


**Service Procedure (Continued)**

- g. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 38).



**Figure 38 - Remove Airbag Cushion from Housing**

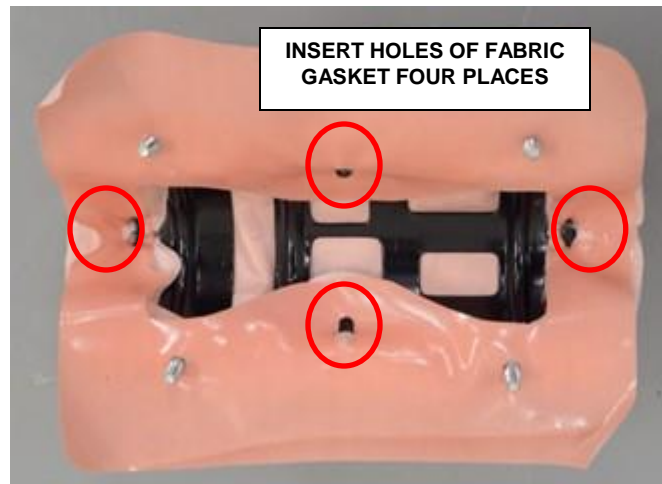


**Figure 39 – Fabric Gasket to Cushion**

- h. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 39).

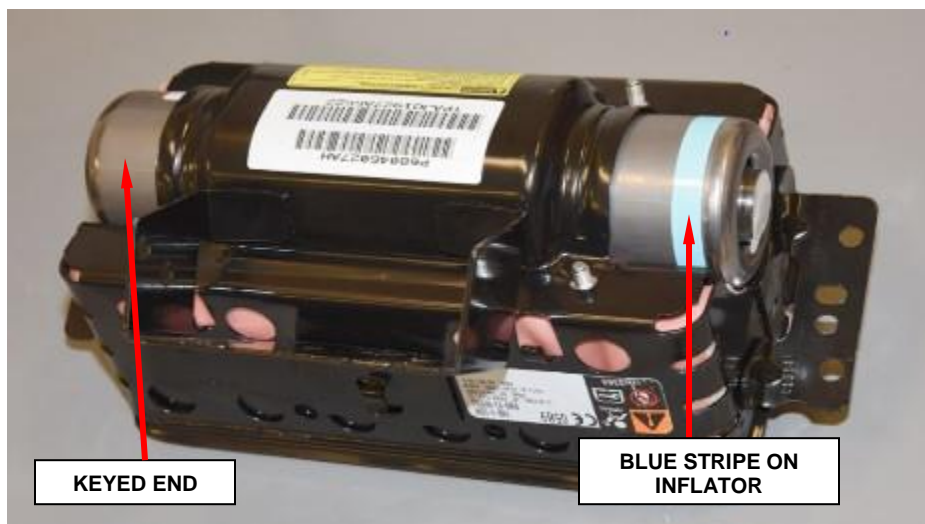
**Service Procedure (Continued)**

- i. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 40).



**Figure 40 – Fabric Gasket**

- j. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 41).



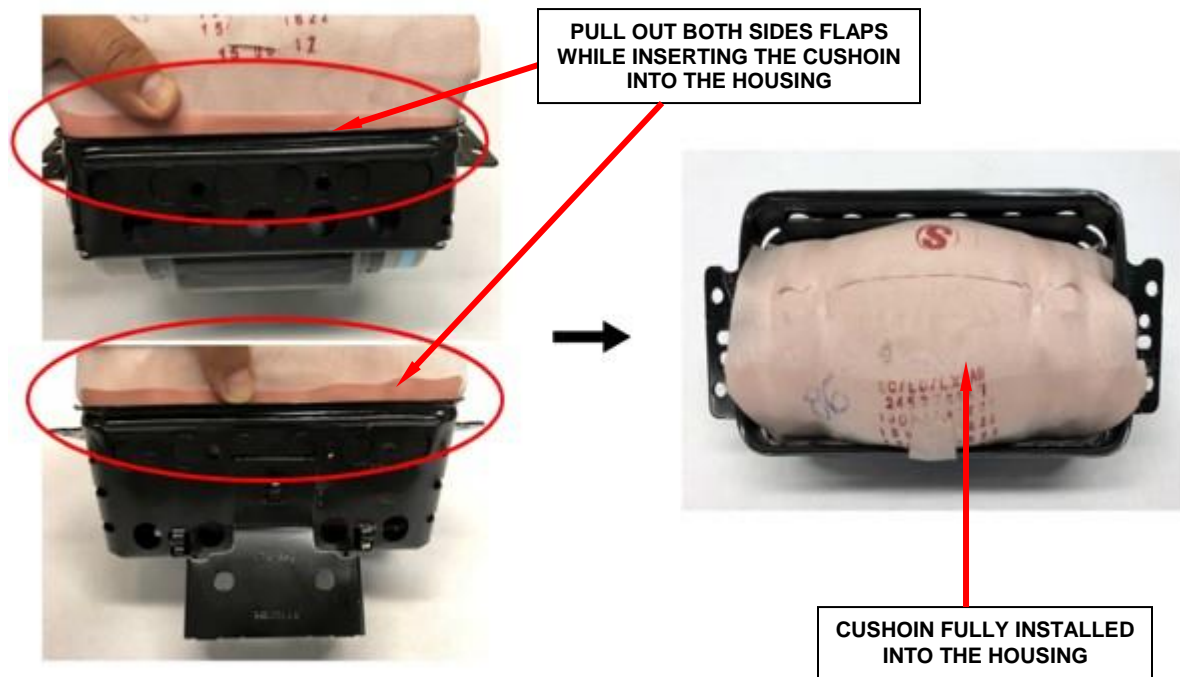
**Figure 41 – Insert Inflator (Shown with Cushion Installed)**

**Service Procedure (Continued)**

**NOTE:** The inflator's key **MUST** line up with the housing's key (Figure 43).

k. Insert the cushion, pulling out both side flaps (Figure 42).

**NOTE:** The spacing between the bolts is different on both sides, thus mistake-proof.



**Figure 42 – Side Flaps Must Be Held Out**

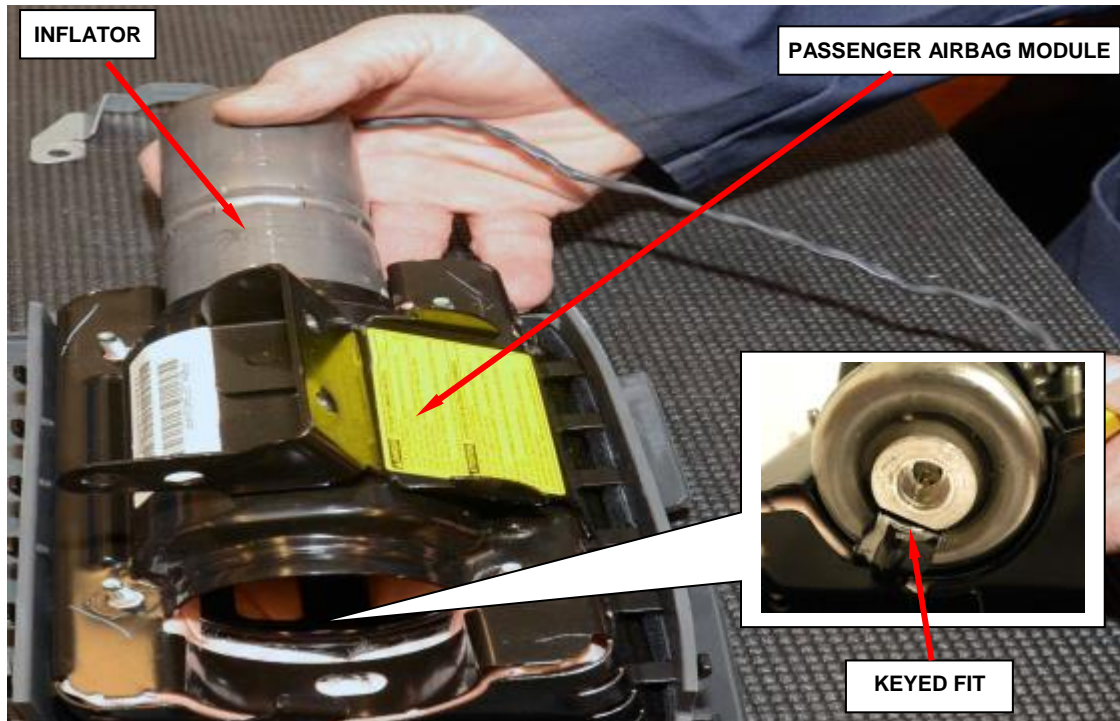
l. Continue with Step n to complete retrofit.



**Service Procedure (Continued)**

m. Slide the **new** inflator into the passenger airbag module (Figure 43).

**NOTE:** The inflator is keyed to fit into the housing (Figure 43).



**Figure 43 – Passenger Airbag Inflator to Housing**

**Service Procedure (Continued)**

- n. Install the stopper plate to the passenger airbag module.
- o. Install the four new mounting nuts to the passenger airbag module and tighten to 53 in. lbs. (6 N·m).
- p. Install the yellow three way wire harness jumper connector to the retaining clip.
- q. Connect the single yellow inflator connector to the end of the passenger airbag inflator.
- r. Engage the wire jumper to the housing in two places.

**WARNING:** To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**WARNING:** To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**Service Procedure (Continued)**

11. Place the passenger airbag into the cavity of the passenger airbag door.
12. Connect the instrument panel wire harness connector for the airbag to the passenger airbag inflator pigtail wire connector on the right side of the airbag mounting bracket. Be certain that the latch on the connector and the red Connector Position Assurance (CPA) lock are each fully engaged .
13. Install the two passenger airbag mounting bolts to the crosscar beam. Torque bolts to 103 in. lbs. (11.6 N·m).
14. Install the two inboard mounting bolts to the passenger airbag just below the distribution duct and to the left of the distribution housing. Torque the screws to 25 in. lbs. (2.8 N·m).
15. Install the two outboard mounting bolts to the passenger airbag just below the distribution duct. Torque the screws to 25 in. lbs. (2.8 N·m).
16. Install the inner glove box silencer shield using the three mounting screws.
17. Install the glove box into the instrument panel.
18. Install the right side instrument panel silencer pad.
19. **Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.**

**Service Procedure (Continued)****E. Replace Passenger Airbag Inflator: 2011-2013 LX, LD**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

1. Disconnect and isolate the battery negative cable then remove the two Airbag Module fuses from the Power Distribution Center (PDC), see the PDC cover for the fuse locations. Wait two minutes for the system capacitor to discharge before further service (Figure 44).

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.

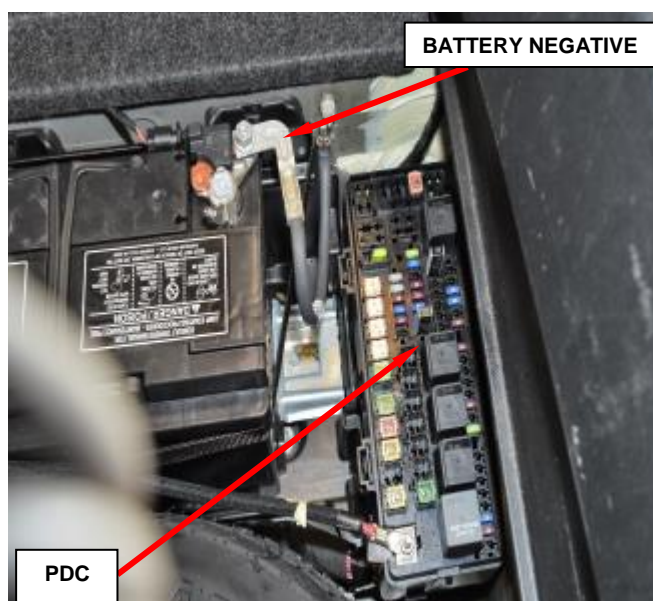
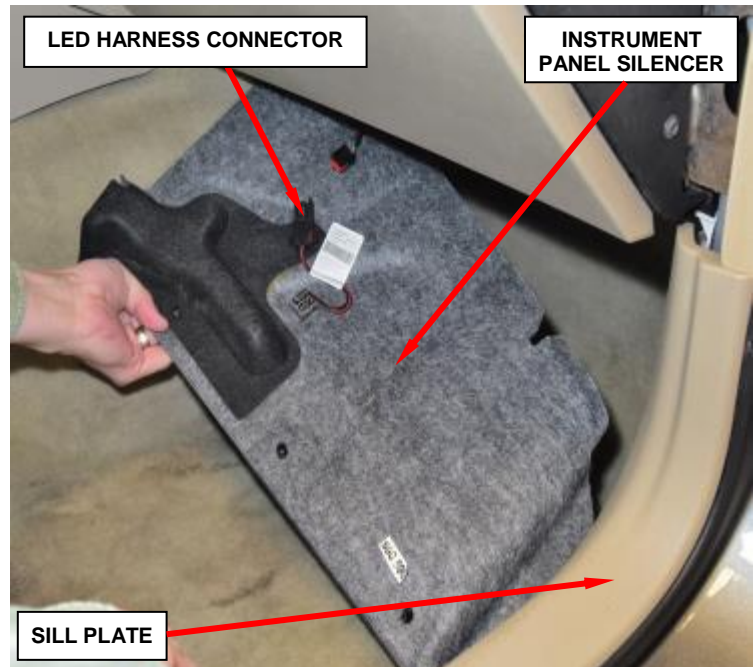
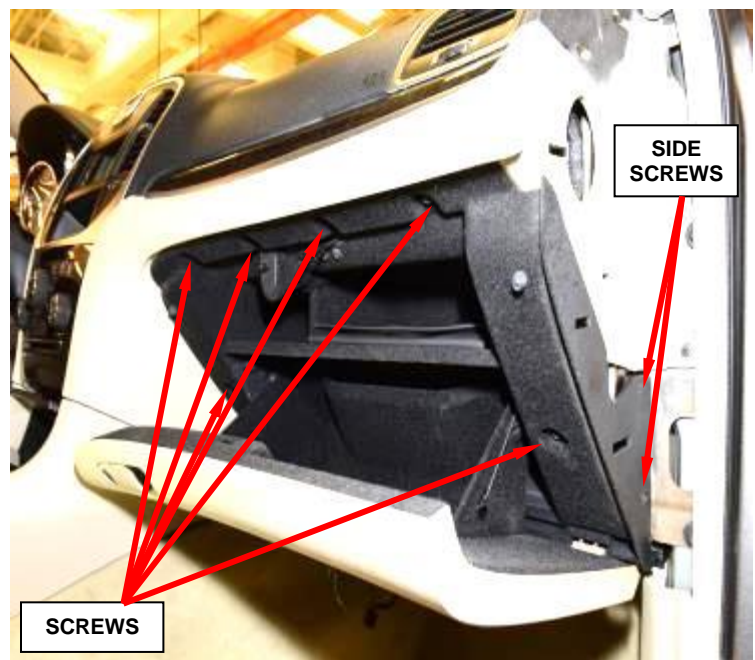


Figure 44 – Battery Negative

**Service Procedure (Continued)**

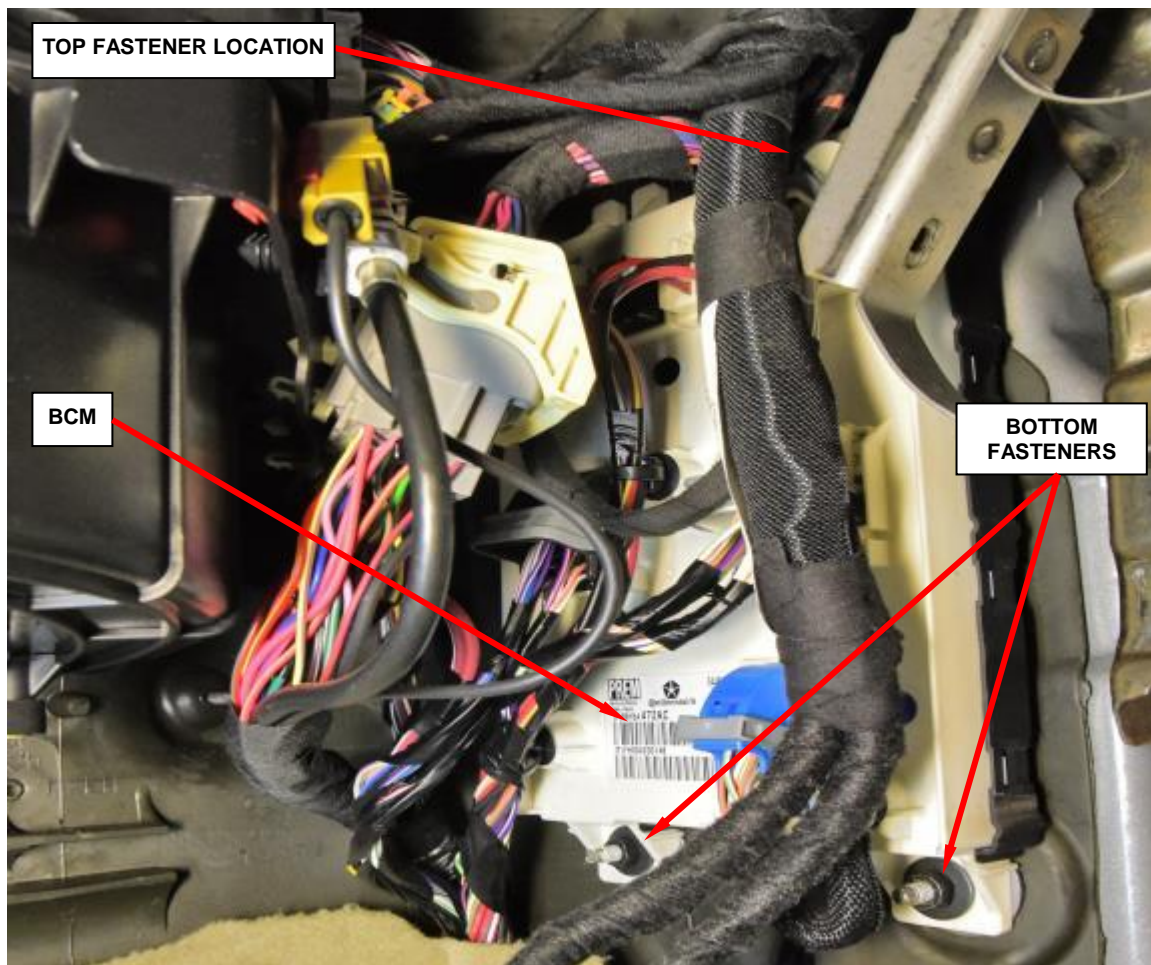
2. Use the following steps to remove the glove box from the instrument panel.
  - a. Remove the right side instrument panel end cap.
  - b. Remove the right side sill plate (Figure 45).
  - c. Remove the three pushpins that secure the instrument panel silencer to the instrument panel (Figure 45).
  - d. Disconnect the harness connector(s) and remove the right side instrument panel silencer (Figure 45).
  - e. Open the glove box door.
  - f. Remove the two side screws from the glove box compartment (Figure 46).
  - g. Remove the six screws from the glove box compartment (Figure 46).
  - h. Disconnect the wiring harness connectors and remove the glove box compartment.

**Figure 45 – Instrument Panel Silencer****Figure 46 – Glove Box Compartment**



**Service Procedure (Continued)**

3. Disconnect all of the electrical connectors from the Body Control Module (BCM) receptacles.
4. Remove and save the two fasteners at the bottom of the BCM (Figure 47).
5. Loosen the top fastener. This fastener only has to be loosened to allow removal of the BCM. It does not need to be completely removed in order to remove the module (Figure 47).
6. Pull the module away from the side bulk head and down and remove and save the module.

**Figure 47 – Body Control Module**

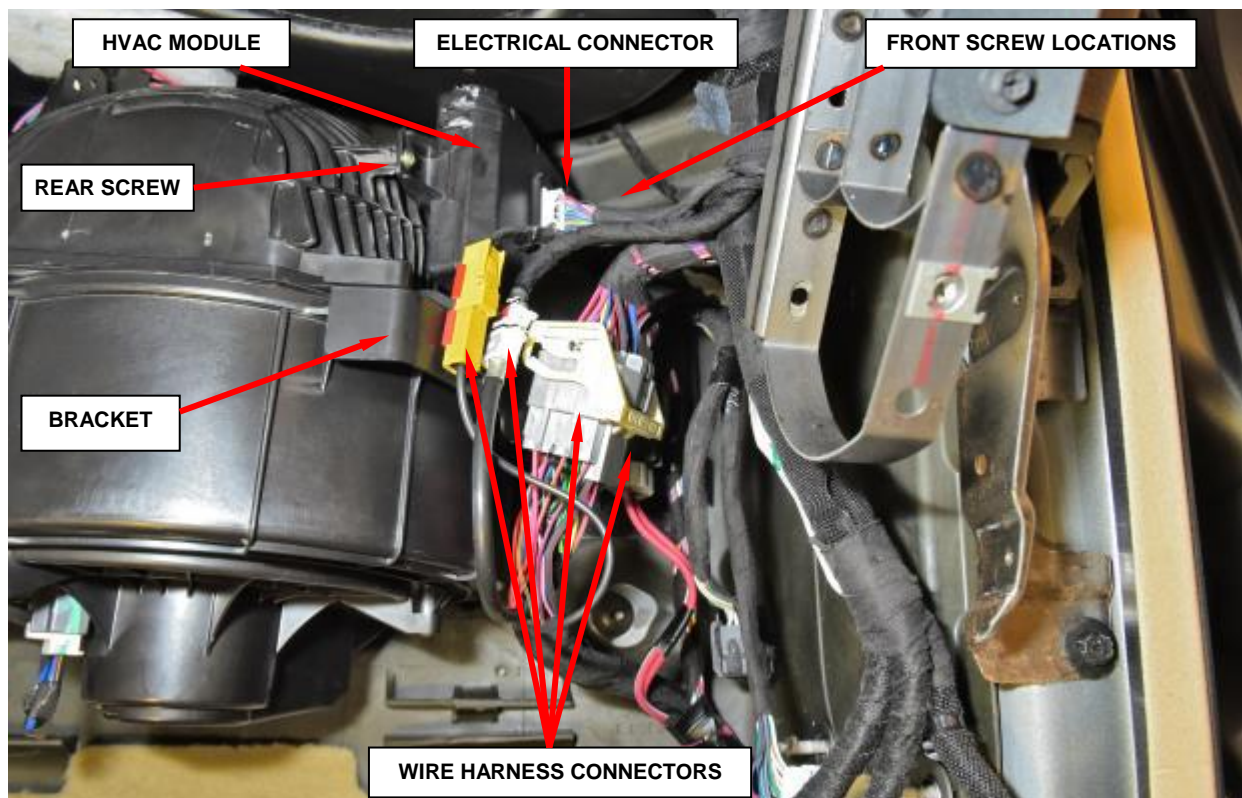


**Service Procedure (Continued)**

7. Disconnect the electrical connector from the HVAC module, located on the air inlet housing (Figure 48).

**NOTE: It is not necessary to fully remove the two front HVAC module retaining screws. The front HVAC module retaining tabs are slotted to aid in module service.**

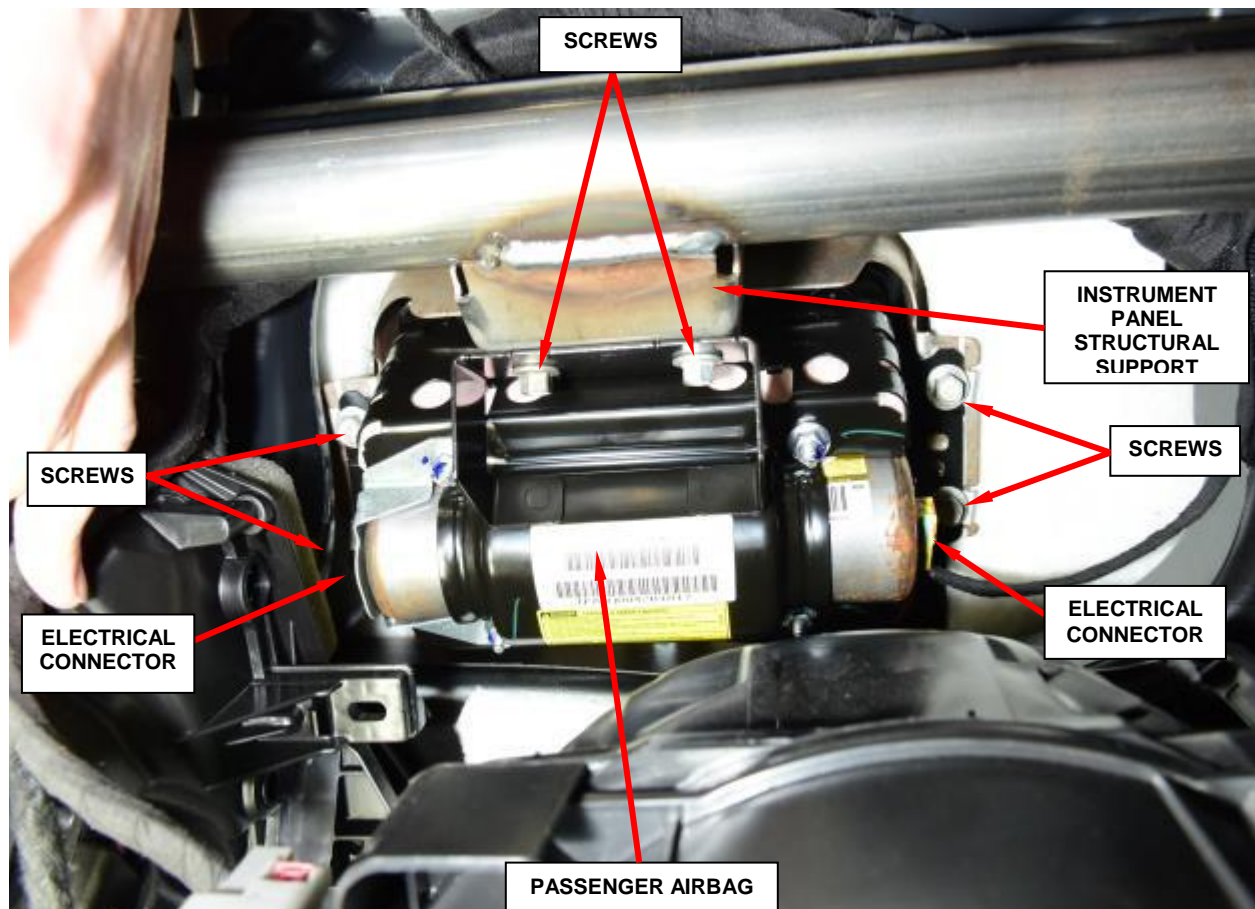
8. Release the wire harness connectors from the bracket (Figure 48).
9. Loosen the two screws that secure the front of the HVAC module to the air inlet housing (Figure 48).
10. Remove the one screw that secures the rear of the HVAC module to the air inlet housing (Figure 48).
11. Slide the HVAC module rearward to disengage the module from the two front retaining screws and remove the module.



**Figure 48 – HVAC Module**

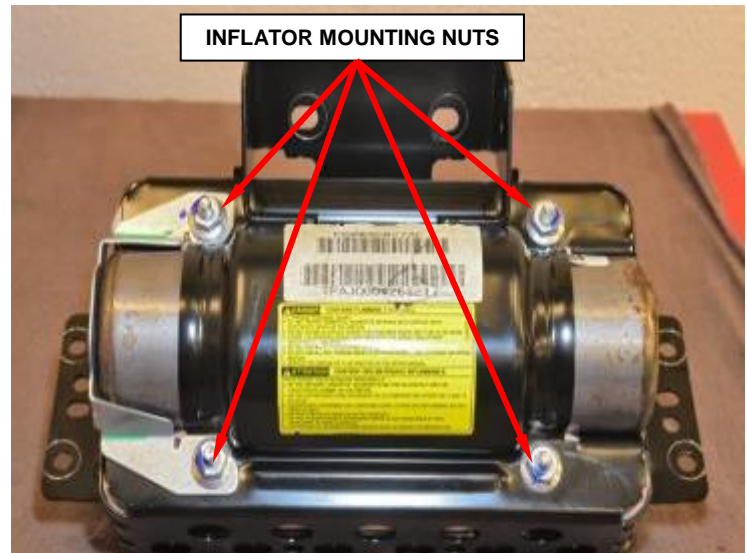
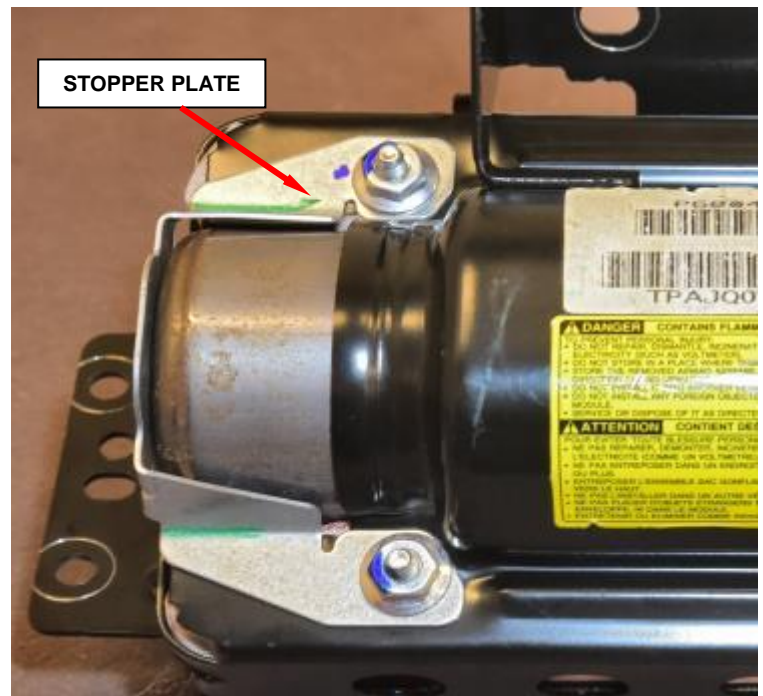
**Service Procedure (Continued)**

12. Reach through the instrument panel glove box opening to access and disconnect the two instrument panel electrical connectors from the two Passenger Airbag (PAB) initiators, one at each side of the PAB inflator canister (Figure 49).
13. Reach through the instrument panel glove box opening to access and remove and save the two screws that secure the PAB lower bracket to the instrument panel structural support (Figure 49).
14. Remove and save the four screws that secure the two upper PAB mounting brackets to the U-nuts on each side of the PAB retainer or chute on the underside of the instrument panel cover (Figure 49).

**Figure 49 – Passenger Airbag**

**Service Procedure (Continued)**

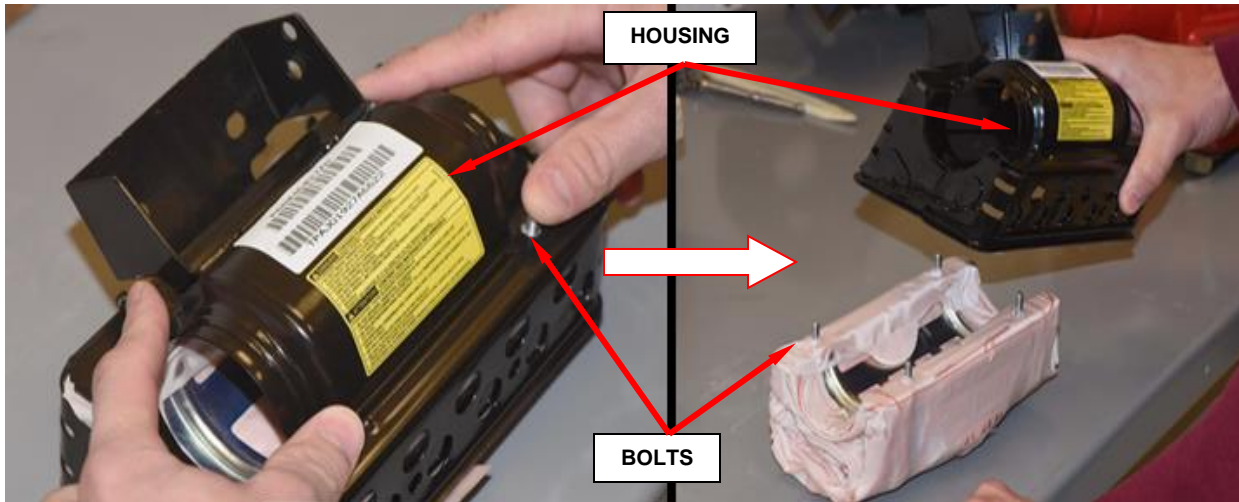
15. Remove the PAB from the instrument panel cover.
16. Use the following procedure to retrofit the passenger side airbag assembly.
  - a. Place the passenger airbag assembly on a soft surface to prevent damage.
  - b. Remove and **discard** the four inflator mounting nuts (Figure 50).
  - c. Remove and save stopper plate from housing (Figure 51).
    - If using replacement inflator kit CBXZS434AB or AC (GuNi), continue with Step d.
    - If using replacement inflator kit CBXZS434AA, continue with Step k.

**Figure 50 – Mounting Nuts****Figure 51 – Stopper Plate**



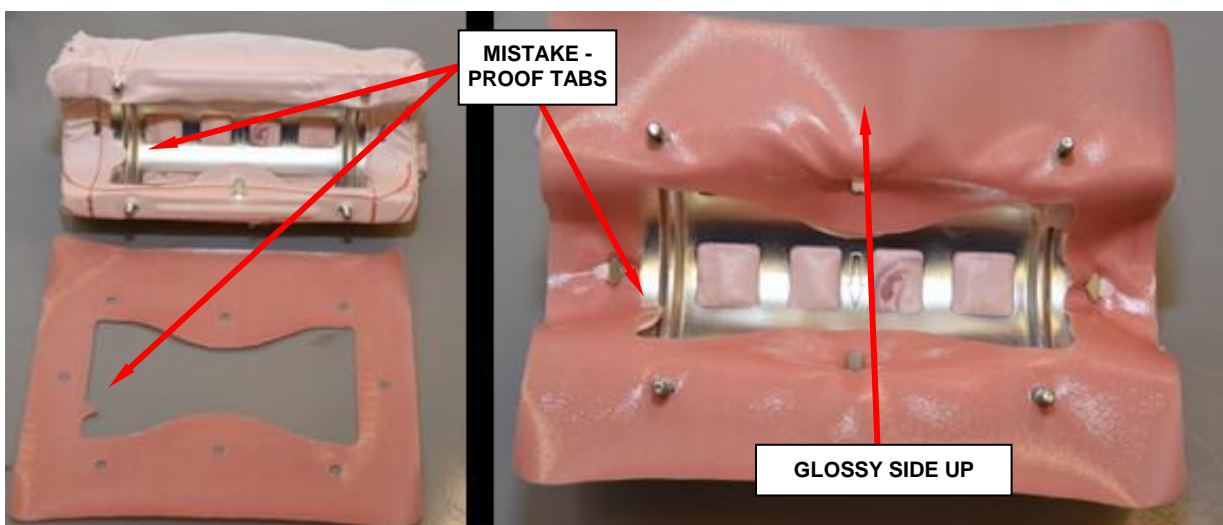
**Service Procedure (Continued)**

- d. Slide inflator out of the housing.
- e. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 52).



**Figure 52 - Remove Airbag Cushion from Housing**

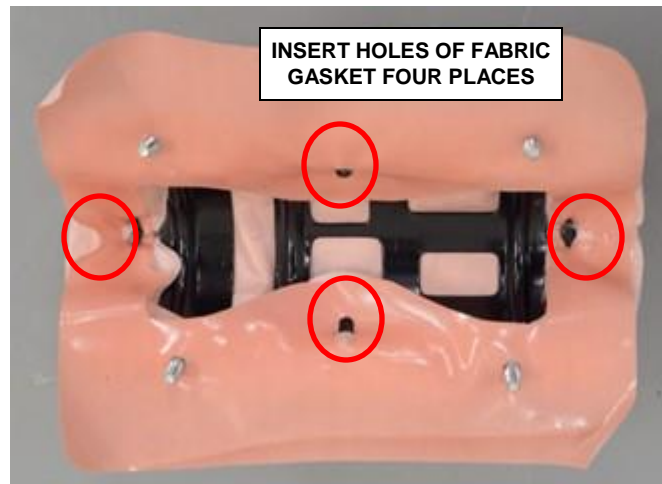
- f. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 53).



**Figure 53 – Fabric Gasket to Cushion**

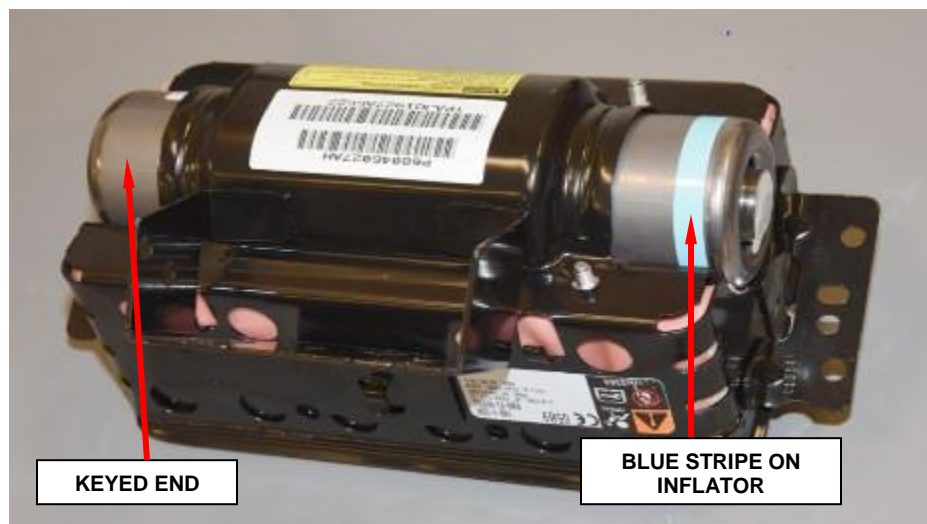
**Service Procedure (Continued)**

- g. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 54).



**Figure 54 – Fabric Gasket**

- h. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 55).



**Figure 55 – Insert Inflator (Shown with Cushion Installed)**

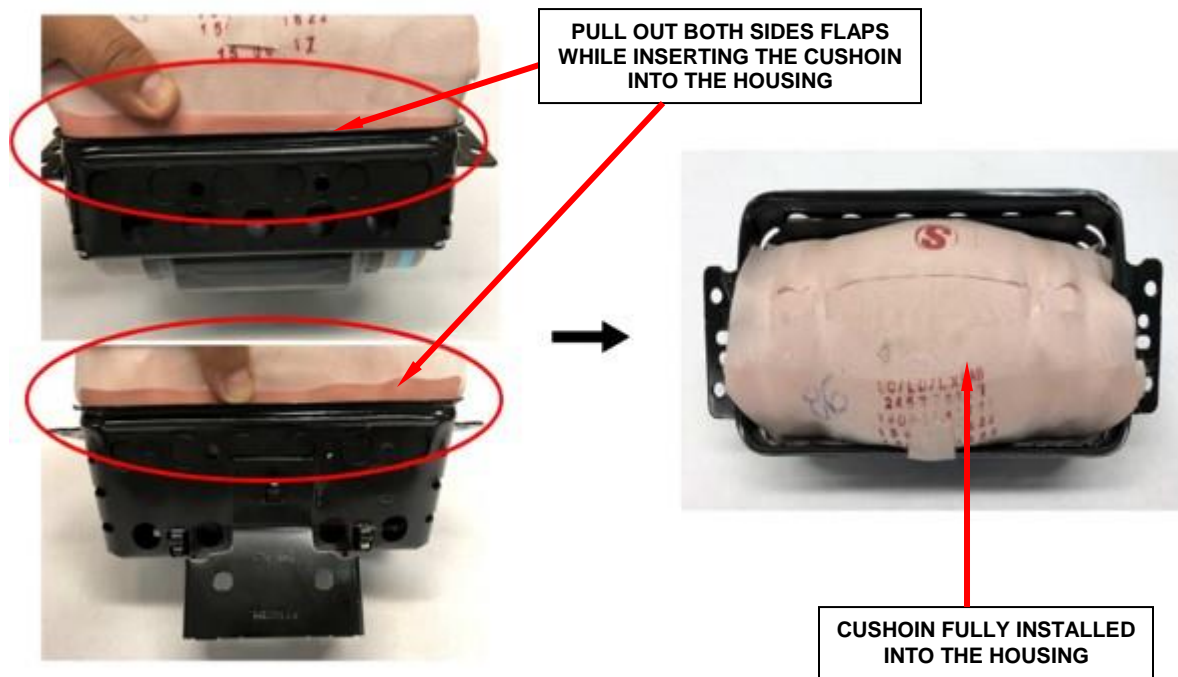


**Service Procedure (Continued)**

**NOTE:** The inflator's key **MUST** line up with the housing's key (Figure 58).

- i. Insert the cushion, pulling out both side flaps (Figure 56).

**NOTE:** The spacing between the bolts is different on both sides, thus mistake-proof.



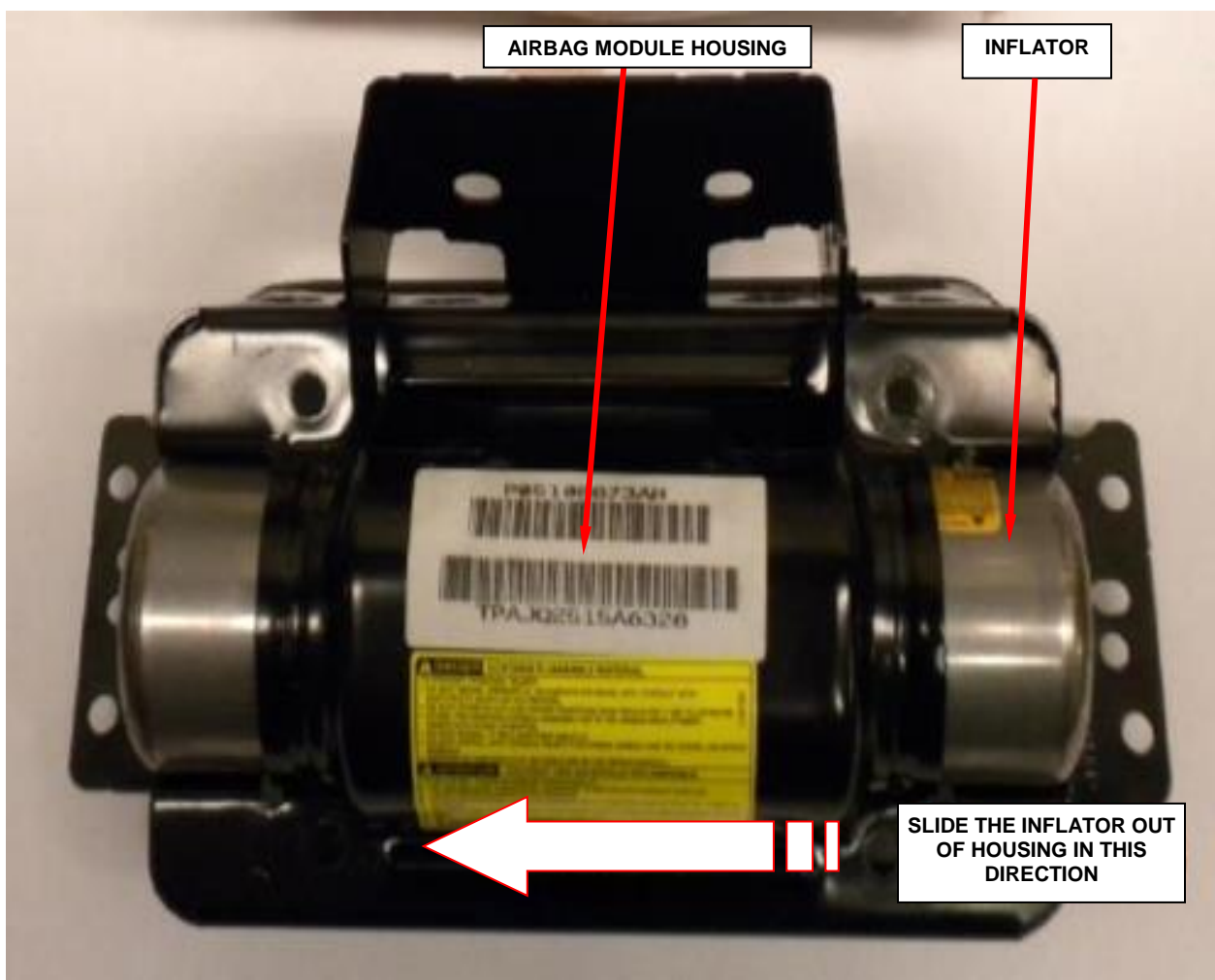
**Figure 56 – Side Flaps Must Be Held Out**

- j. Continue with Step m to complete retrofit.

**Service Procedure (Continued)**

- k. Slide the inflator out of the passenger airbag module housing (Figure 57).

**IMPORTANT: Do NOT discard old inflator. Follow the parts return policy and instructions at the beginning of this document.**



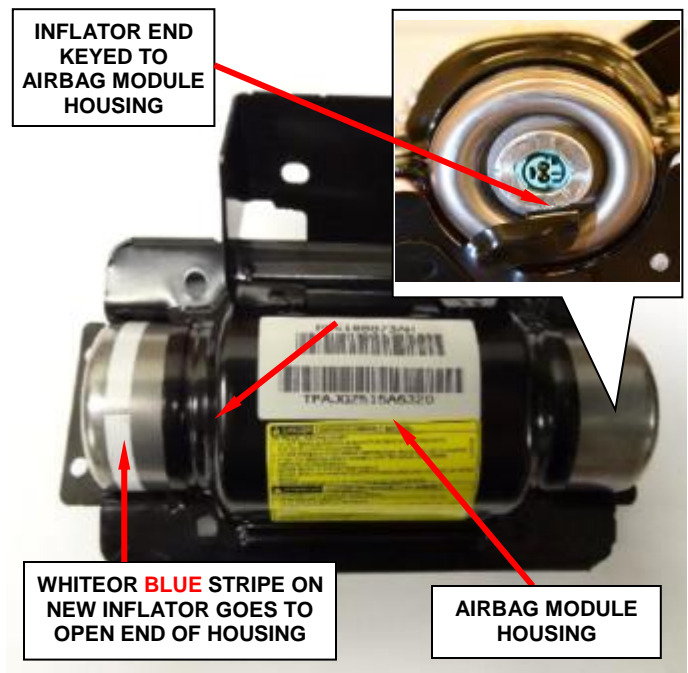
**Figure 57 – Remove Airbag Inflator**

**Service Procedure (Continued)**

- l. Slide the **NEW** inflator into the passenger airbag module housing. The keyed end is inserted first; therefore, the white stripe on the **NEW** inflator will be located at the open end (Figure 58).

**NOTE:** The inflator's key **MUST** line up with the housing's key.

- m. Position the stopper plate to the airbag housing (Figure 51).
- n. Install the four **NEW** mounting nuts to the airbag housing and tighten to 53 in. lbs. (6 N·m) (Figure 50).



**Figure 58 – Install New Inflator to Housing**

- o. Passenger airbag retrofit is complete (Figure 59).



**Figure 59 – Retrofit Complete**

**Service Procedure (Continued)**

**WARNING:** To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**WARNING:** To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.

17. Carefully position the PAB housing into the PAB retainer receptacle.
18. Install and tighten the four screws that secure the PAB upper mounting brackets to the U-nuts on the retainer. Tighten the screws to 27 in. lbs. (3 N·m).
19. Reach through the instrument panel glove box opening to install and tighten the two screws that secure the PAB lower bracket to the instrument panel structural support. Tighten the screws to 103 in. lbs. (12 N·m).
20. Reach through the instrument panel glove box opening to access and connect the two instrument panel wire harness connectors to the two PAB initiators, one at each side of the PAB inflator canister. Be certain the connectors are each fully engaged and locked.
21. Position the HVAC module to the air inlet housing and engage the module to the two front retaining screws.
22. Loosely install the screw that secures the rear of the HVAC module to the air inlet housing.
23. Tighten all the screws that secure the HVAC module to the air inlet housing to 2 N·m (17 in. lbs.).
24. Connect the wire harness connector to the HVAC module.

**Service Procedure (Continued)**

25. Secure the wire harness connectors to the bracket.
26. Slide the BCM into position so that the top mounting tab on the BCM is properly aligned to the mounting weld stud and the lower mounting tabs slide into their respective mounting weld studs.
27. Install the two lower fasteners, and tighten securely.
28. Tighten the upper fastener securely.
29. Connect the electrical connectors to the BCM receptacles.
30. Connect the electrical connectors to the glove box.
31. Install the glove box into the instrument panel. Tighten all eight fasteners securely.
32. Connect the electrical connectors to the instrument panel silencer.
33. Secure the instrument panel silencer to the instrument panel.
34. Install the right side sill plate.
35. Install the right side instrument panel end cap.
36. **Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.**



**Service Procedure (Continued)****F. Replace Passenger Airbag Inflator: LC**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

1. Position the front wheels straight ahead.
2. Fully extend the telescoping column.
3. Apply the parking brake.
4. Turn the ignition switch to the On position, apply the service brakes and place the gear selector lever into the Neutral position.
5. Turn the ignition switch to the Off position and release the service brakes.
6. Disconnect and isolate the battery negative cable then remove the two Airbag Module fuses from the Power Distribution Center (PDC), see the PDC cover for the fuse locations. Wait two minutes for the system capacitor to discharge before further service.

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.

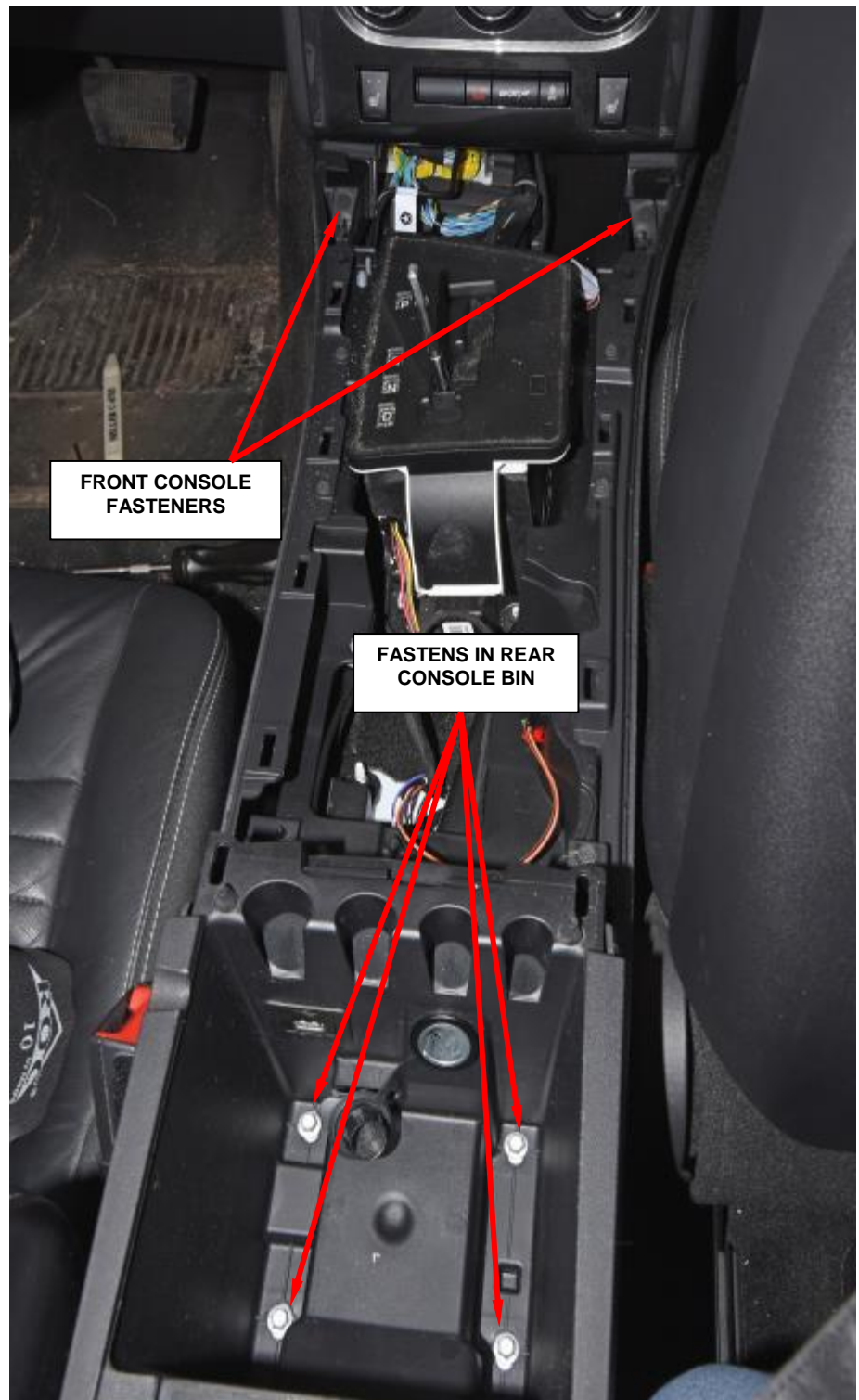
**Service Procedure (Continued)**

7. Using a small flat bladed tool or equivalent, separate the retaining ring and slide down the shifter shaft (Figure 60).
8. Pull up on the shifter knob and remove from the shifter shaft (Figure 60).
9. Remove the shifter bezel and/or shifter boot (Figure 60).
10. Open the lid of the console rear bin and remove the mat from the rear bin.
11. Using a trim stick, unsnap the console bezel from the console (Figure 61).
12. Disconnect the electrical connectors and remove the bezel.

**Figure 60 – Shifter Knob****Figure 61 - Console Bezel**

**Service Procedure (Continued)**

13. Remove the four fasteners from the rear bin that secure the console to the floor panel transmission tunnel (Figure 62).
14. Remove the two fasteners that secure the front of the console to the instrument panel (Figure 62).
15. Slide the console rearward and disconnect the electrical connectors.
16. Remove the floor console from the vehicle.

**Figure 62 – Floor Console**

**Service Procedure (Continued)**

17. Using a trim stick C-4755 or equivalent, remove the right and left side lower A-pillar trim (Figure 63).
18. Using a trim stick C-4755 or equivalent, release the right and left side upper A-pillar trim then release the airbag tether and remove the trim (Figure 53).
19. Using a trim stick C-4755 or equivalent, remove the right and left side scuff panel trim (Figure 63).
20. Using a trim stick C-4755 or equivalent, remove the right and left side kick panel trim (Figure 63).

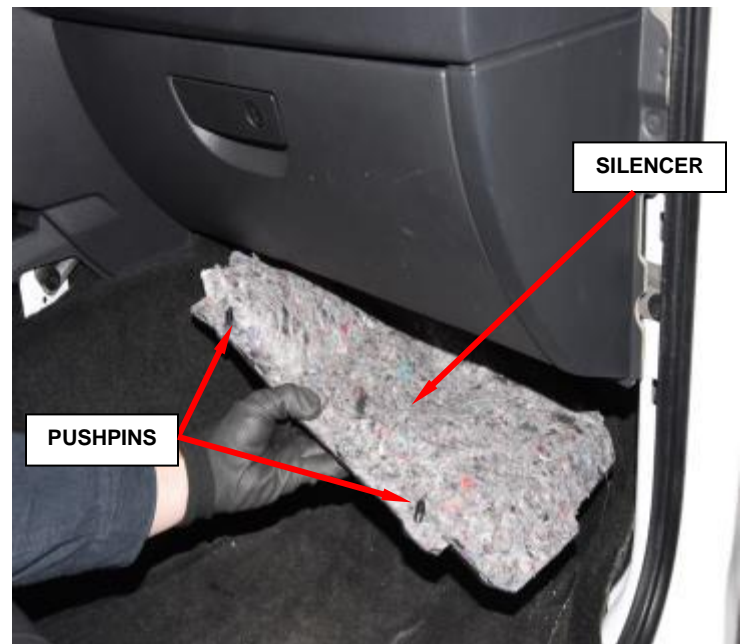
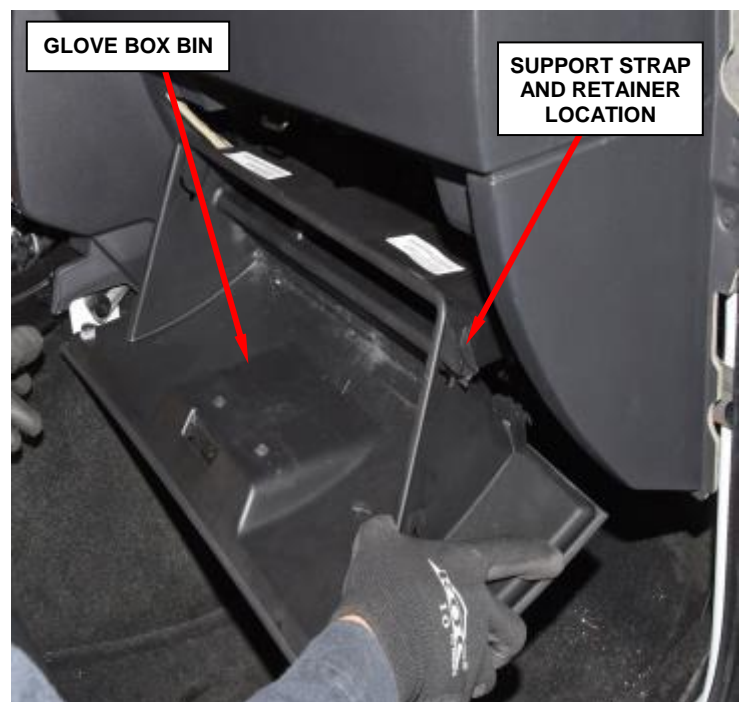


**Figure 63 – Door Opening Trim (Right Side Shown, Left Side Similar)**



**Service Procedure (Continued)**

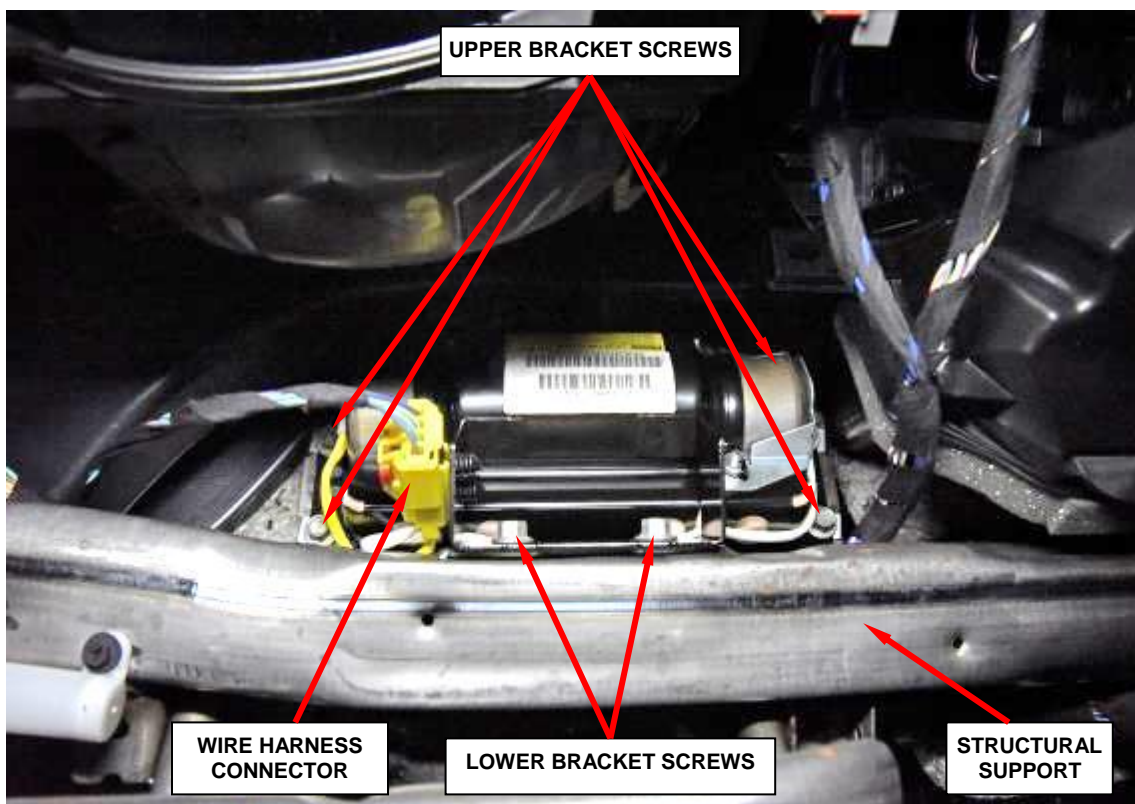
21. Remove the two pushpins that secure the passenger side instrument panel silencer to the instrument panel bracket (Figure 64).
22. Pull the passenger side instrument panel silencer rearward to disengage it from the brackets located near the dash panel.
23. Remove the passenger side instrument panel silencer from the vehicle.
24. Open the glove box bin.
25. Remove the support strap and retainer assembly from the outboard end of the bin (Figure 65).
26. Push in on both sides of glove box bin to disengage the glove box stops and lower the bin.
27. Pivot the glove box bin downward and disengage the glove box hinge hooks from the instrument panel hinge brackets located at each end of the bin (Figure 65).
28. Remove the glove box bin from the vehicle.

**Figure 64 – Passenger Side Silencer****Figure 65 – Glove Box Bin**



**Service Procedure (Continued)**

29. Disconnect the instrument panel wire harness connector from the PAB pigtail wire connector (Figure 66).
30. Remove the two screws that secure the PAB lower bracket to the instrument panel structural support (Figure 66).
31. Remove the four screws that secure the PAB upper brackets to the sides of the PAB retainer or chute on the underside of the instrument panel cover (Figure 66).
32. Allow the PAB housing, inflator and cushion as a unit to remain on the underside of the instrument panel cover until **Step 36**. **Do not pry or force the unit from the vehicle at this time.**



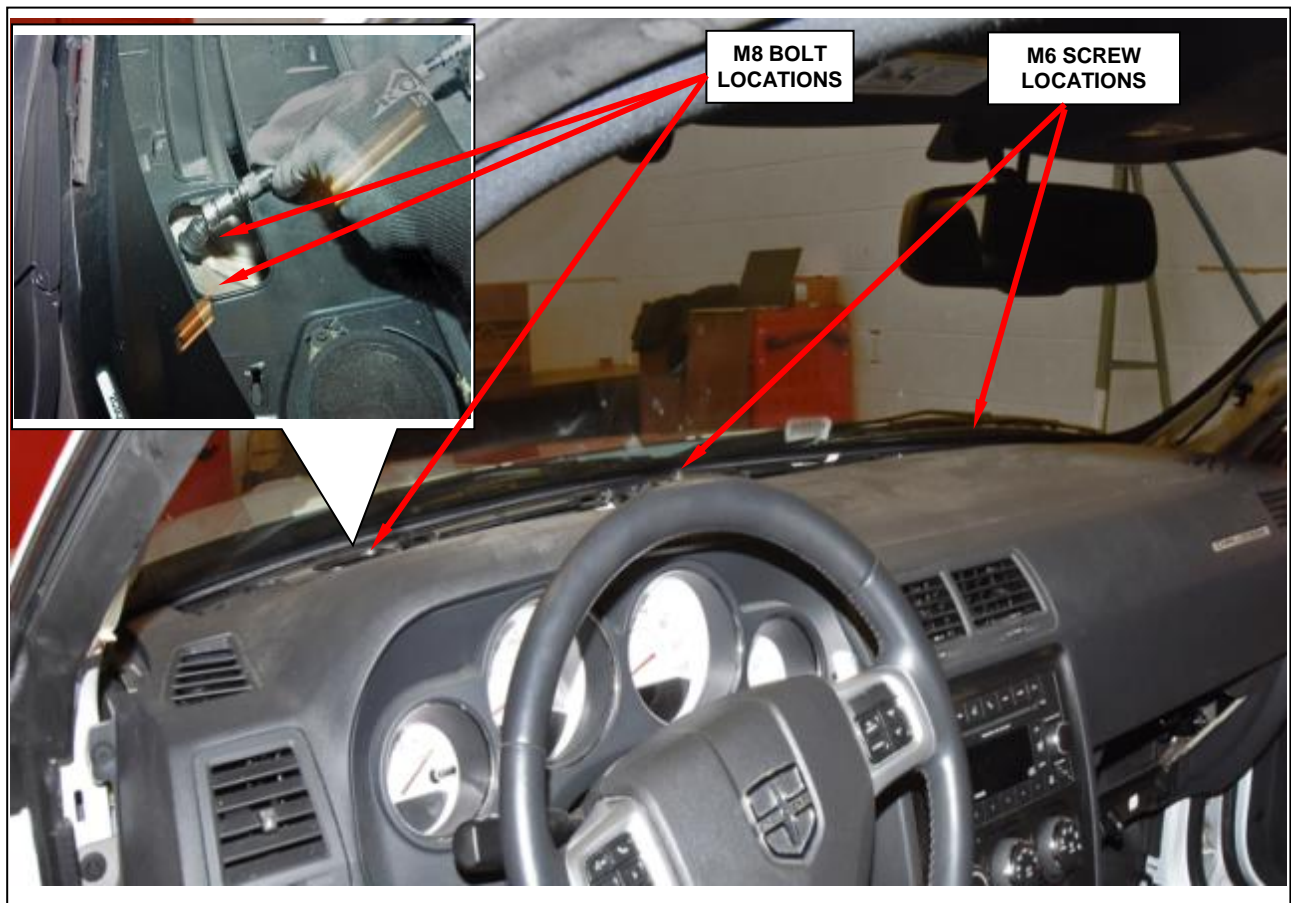
**Figure 66 – PAB Housing, Inflator and Cushion to be Removed a Unit  
(View through Glove Box Opening)**

**Service Procedure (Continued)**

33. Remove the defroster grille to access the instrument panel top retaining bolts then remove and save the two M8 bolts and two M6 screws (Figure 67).

**WARNING:** Metal retaining clips may remain in the instrument panel. Remove the clips from the panel and install them on the defroster grille before grille installation.

**CAUTION:** Use extreme care to avoid damage to the windshield when removing the top four fasteners.



**Figure 67 – Top Instrument Panel Fasteners**

**Service Procedure (Continued)**

34. Remove and save the instrument panel side support bolts (Figure 68).
35. Remove and save the bolts that secure the bottom of the instrument panel (Figure 68).

**CAUTION:** Place a protective cover over the shifter assembly during the next step to avoid damage to the instrument panel center stack.

36. With the help of an assistant lift the instrument panel assembly up and off of the supports approximately 2-3 inches then pivot the right side of the instrument panel assembly rearward enough to gain clearance needed to remove the PAB.

**CAUTION:** To avoid damage to the PAB unit, be prepared to catch the PAB unit when pivoting the instrument panel assembly during step 36.

37. Remove the PAB housing, inflator and cushion as a unit.



**Figure 68 – Side and Bottom Retaining Bolts**

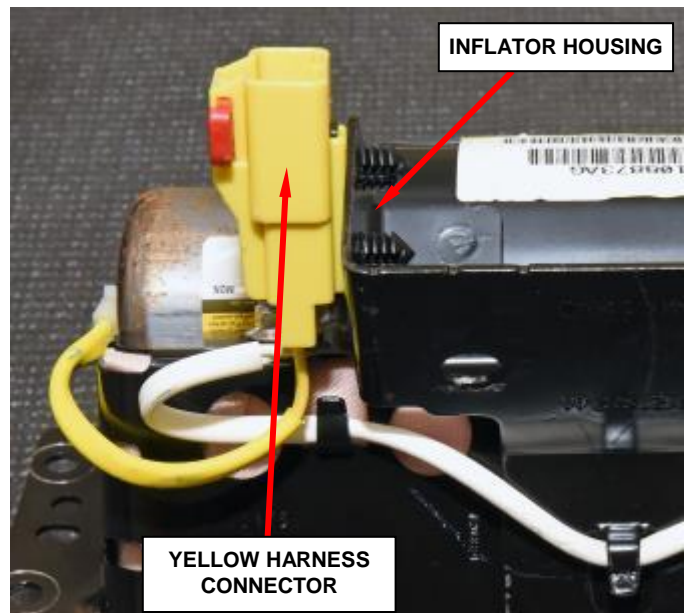
**Service Procedure (Continued)**

38. Use the following procedure to retrofit the passenger side airbag assembly.

- a. Place the passenger airbag assembly on a soft surface to prevent damage.
- b. Use pliers to grasp the single yellow wire inflator connector then wiggle as you pull up until it is disconnected from the inflator (Figure 69).
- c. Release the yellow wire harness connector from the inflator housing bracket (Figure 70).



**Figure 69 – Inflator Connector**



**Figure 70 – Wire Harness Connector**



**Service Procedure (Continued)**

- d. Release the white wire from the three housing hooks (Figure 71).

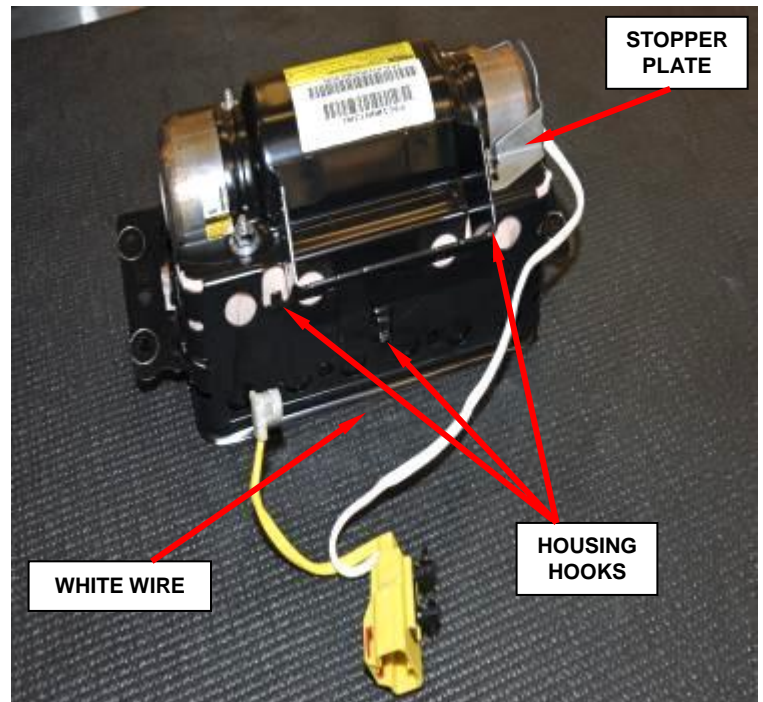


Figure 71 – White Wire Harness

- e. Remove and **discard** the four inflator mounting nuts (Figure 72).

- f. Remove and save stopper plate from housing (Figures 71 and 72).

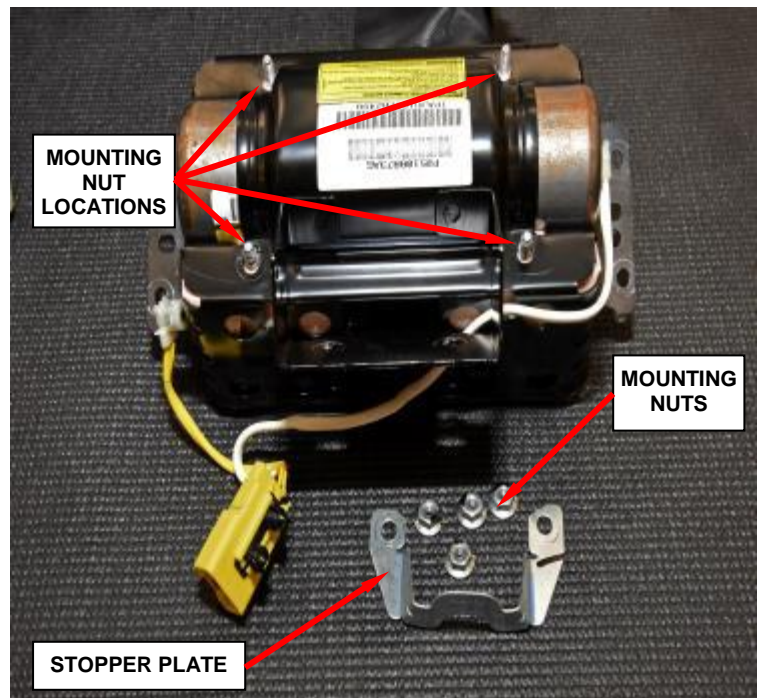


Figure 72 – Mounting Nuts and Stopper Plate

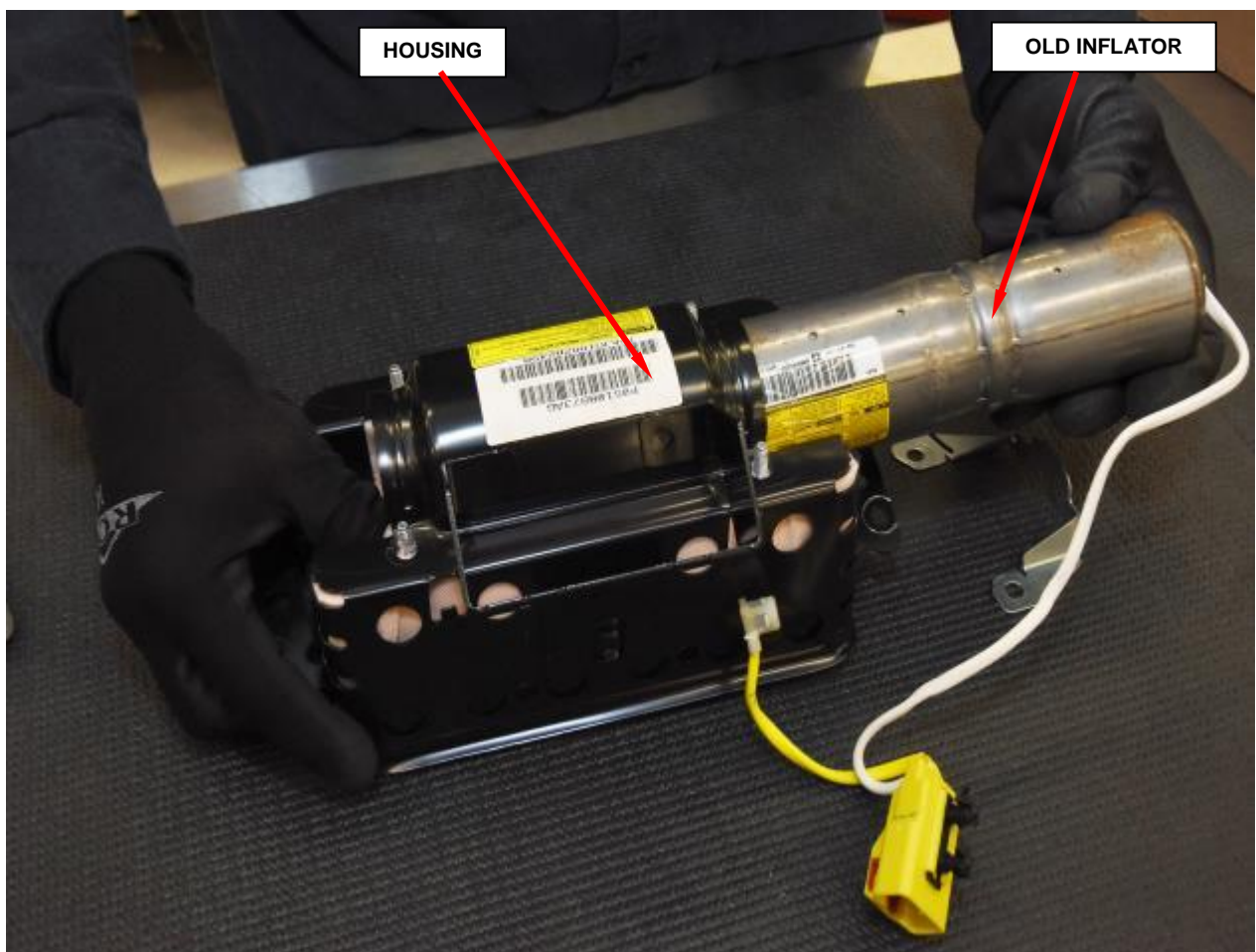


**Service Procedure (Continued)**

- g. Slide the inflator out of the housing (Figure 73).

**IMPORTANT: Do NOT discard old inflator. Follow the parts return policy and instructions at the beginning of this document.**

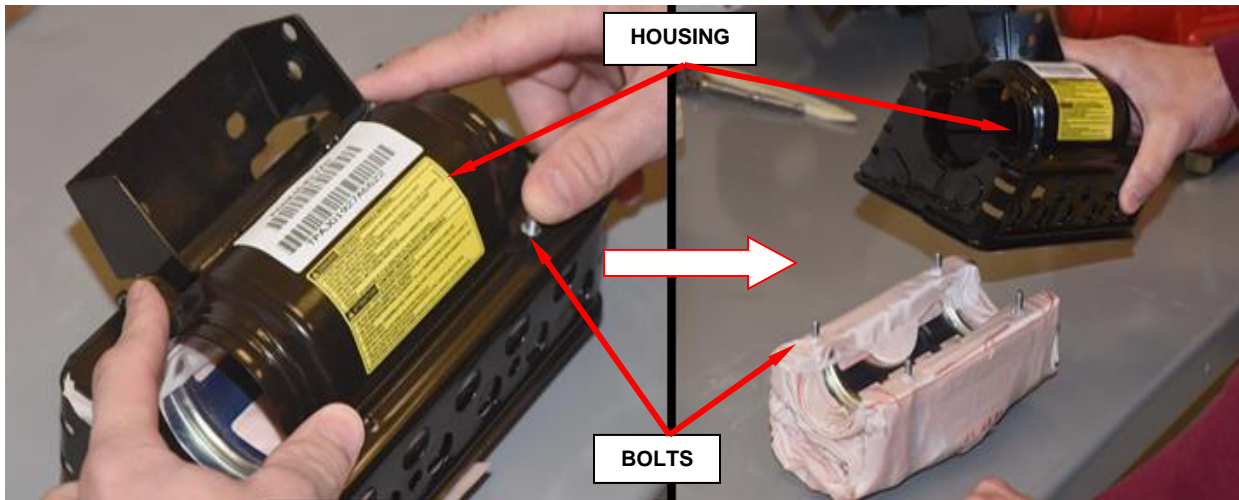
- If using replacement inflator kit CBXZS433AB or AC (GuNi), continue with Step h.
- If using replacement inflator kit CBXZS433AA, continue with Step n.



**Figure 73 – Passenger Airbag Inflator Removal**

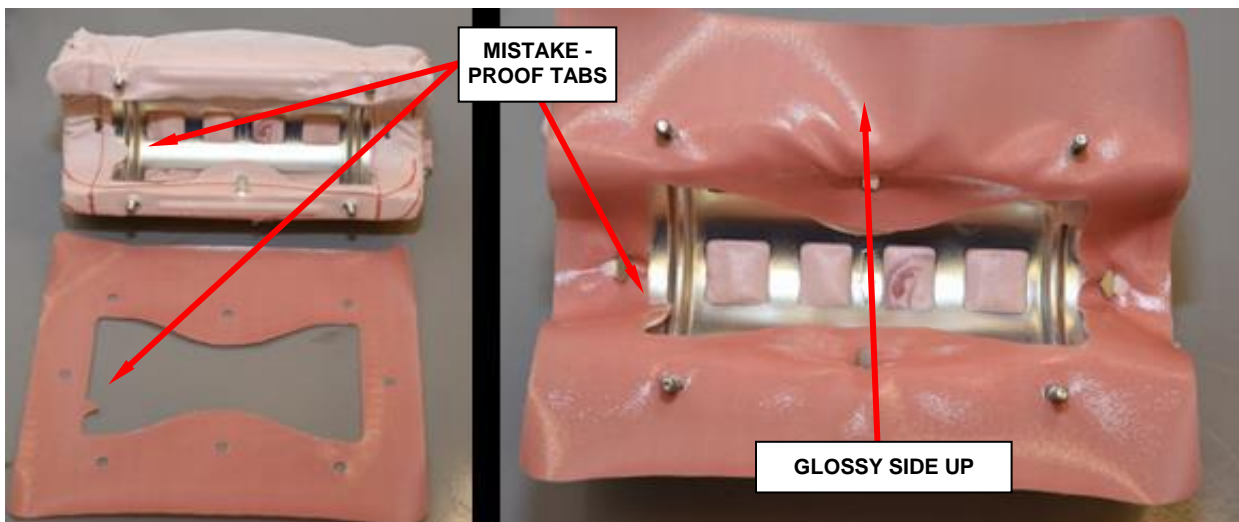
**Service Procedure (Continued)**

- h. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 74).



**Figure 74 - Remove Airbag Cushion from Housing**

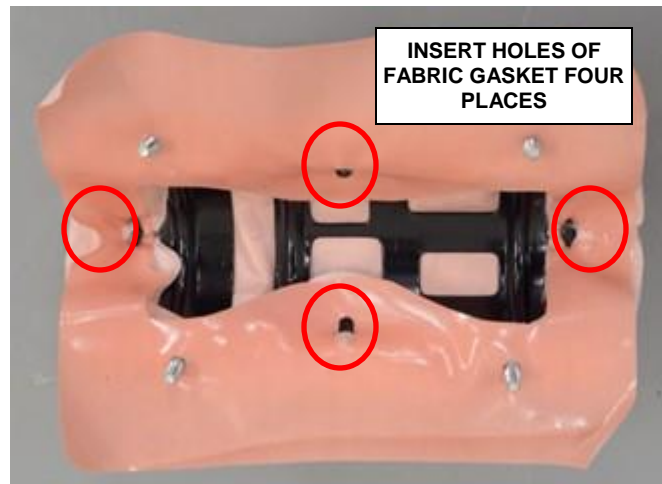
- i. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 75).



**Figure 75 – Fabric Gasket to Cushion**

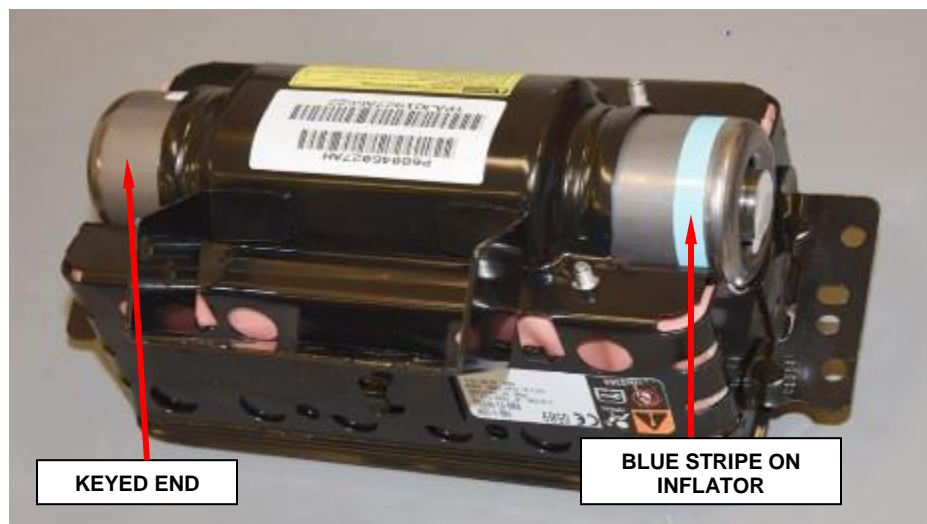
**Service Procedure (Continued)**

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 76).



**Figure 76 – Fabric Gasket**

- k. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 77).



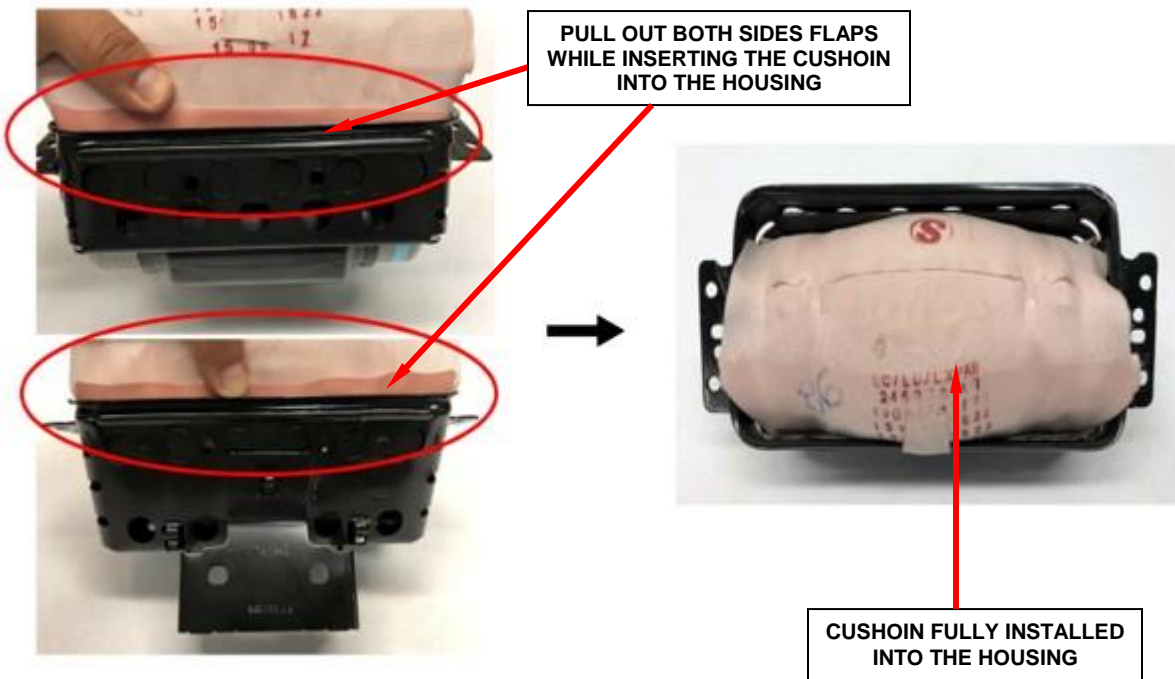
**Figure 77 – Insert Inflator (Shown with Cushion Installed)**

**Service Procedure (Continued)**

**NOTE:** The inflator's key **MUST** line up with the housing's key (Figure 80).

1. Insert the cushion, pulling out both side flaps (Figure 78).

**NOTE:** The spacing between the bolts is different on both sides, thus mistake-proof.



**Figure 78 – Side Flaps Must Be Held Out**

- m. Continue with Step o to complete retrofit.



**Service Procedure (Continued)**

- n. Slide the **NEW** inflator into the passenger airbag module housing. The keyed end is inserted first; therefore, the white stripe on the **NEW** inflator will be located at the open end (Figures 79 and 80).

**NOTE:** The inflator's key **MUST** line up with the housing's key.

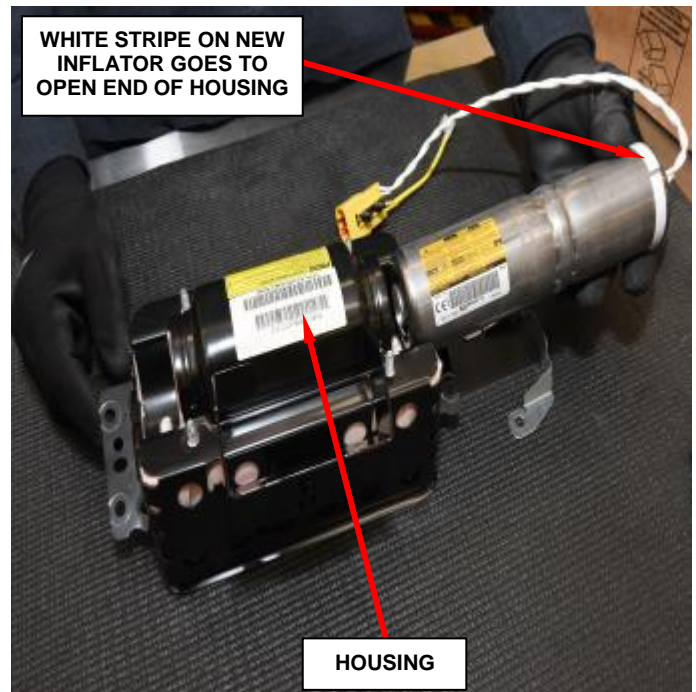


Figure 79 – Install New Inflator to Housing



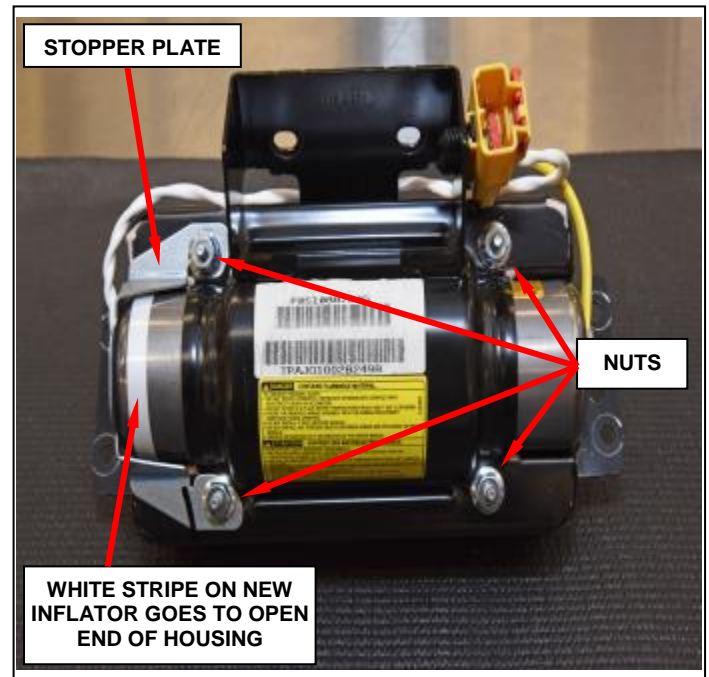
Figure 80 – Inflator End Position



**Service Procedure (Continued)**

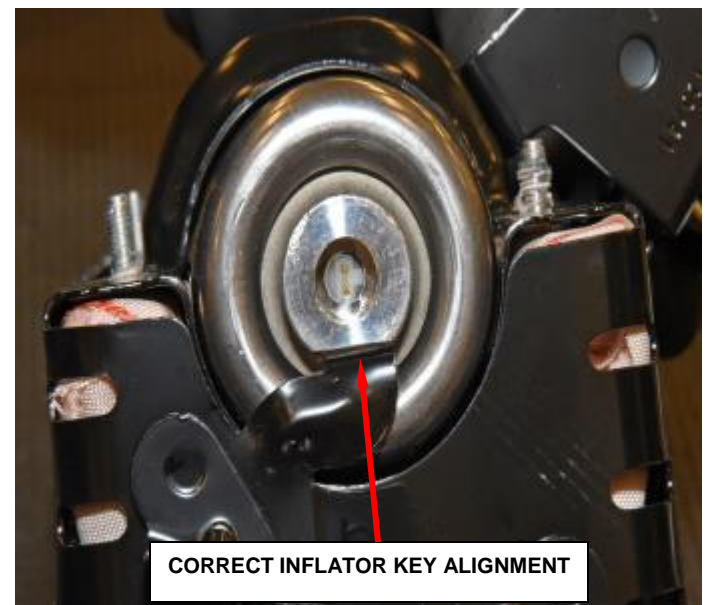
- o. Position the stopper plate to the airbag housing (Figure 81).

- p. Install the four **NEW** mounting nuts to the airbag housing and tighten to 53 in. lbs. (6 N·m) (Figure 81).



**Figure 81 – Stopper Plate and Nuts**

- q. Ensure that the inflator's key is still lined up with the housing's key (Figure 82).



**Figure 82 – Check for Inflator Key Alignment**

**Service Procedure (Continued)**

- r. Attach the white wire to the three hooks on the housing (Figure 83).
- s. Install the yellow three way inline connector to the airbag housing bracket.

**CAUTION:** Use extra care when aligning the single yellow wire inflator connector to the inflator receptacle as there are no alignment tang features.

- t. Connect the single yellow wire inflator connector to the end of the inflator after removing the protective tape from the end of the inflator (Figure 83).
- u. Passenger airbag retrofit is complete (Figure 83).

**WARNING:** To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**WARNING:** To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.

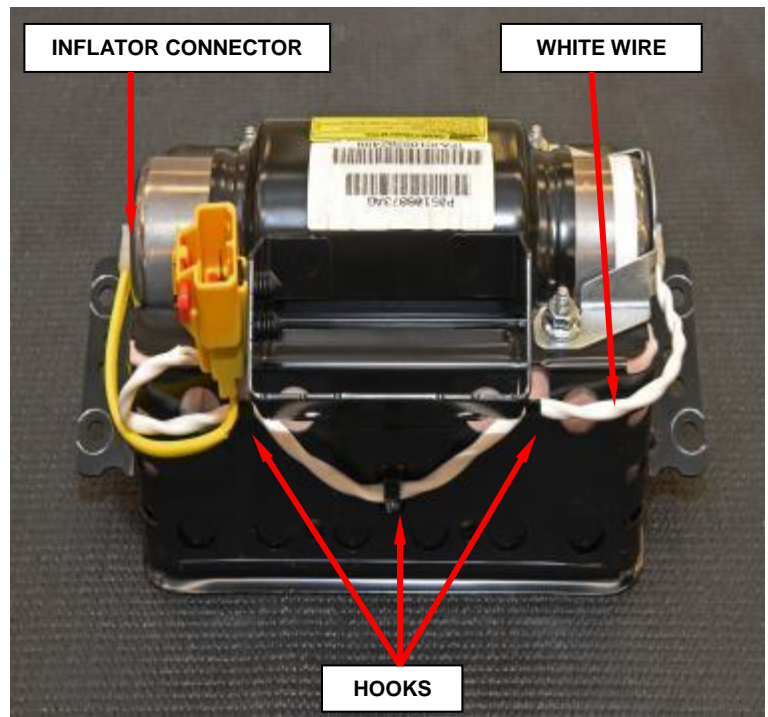


Figure 83 – Retrofit Complete

**Service Procedure (Continued)**

39. Carefully position the PAB into the instrument panel with the upper brackets aligned with the mounting provisions of the PAB retainer or chute on the underside of the instrument panel cover, and the lower bracket aligned with the mounting provisions on the instrument panel structural support.
40. Hand start the two screws that secure the PAB lower bracket to the instrument panel structural support.
41. With the help of an assistant position the instrument panel assembly into the dash panel and install the instrument panel onto the supports.
42. Loosely install all the bolts that secure the instrument panel to the body.  
Tighten the bolts/screws in the following order:
  - Tighten the two top instrument panel bolts to 8 N·m (70 in. lbs.).
  - Tighten the two top instrument panel screws securely.
  - Tighten the six (right and left) side support bolts to 8 N·m (70 in. lbs.).
  - Tighten the two bottom instrument panel bolts to 6 N·m (53 in. lbs.).
43. Install the four screws that secure the PAB upper brackets to each side of the PAB retainer or chute on the underside of the instrument panel cover.
  - For vehicles equipped with M8 screws tighten to 27 in. lbs. (3 N·m).
  - For vehicles equipped with M6 screws tighten securely.
44. Tighten the two screws that secure the PAB lower bracket to the instrument panel structural support to 103 in. lbs. (11.6 N·m).
45. Connect the instrument panel wire harness connector to the PAB pigtail wire connector.

<b>Service Procedure (Continued)</b>
--------------------------------------

46. Install the glove box.
47. Install the passenger side instrument panel silencer.
48. Install the right and left side upper A-pillar trim panels.
49. Install the right and left side kick panels.
50. Install the left and right side lower A-pillar trim panels.
51. Install the right and left side sill plates.
52. Install the defroster grille to the top of the instrument panel.

**Service Procedure (Continued)**

53. Use the following steps to install the center floor console.
- Position the floor console into the vehicle and connect the electrical connectors.
  - Install the fasteners at the front of the center console. Tighten the screws to 3 N·m (27 in. lbs.).
  - Install the fasteners into the rear bin. Tighten the bolts to 5 N·m (44 in. lbs.).
  - Position the console shifter bezel into the vehicle.
  - Connect the electrical connectors.
  - Position the mat into the console rear bin.
  - Install the shifter boot and bezel.
  - Slide the retaining ring over the shifter shaft and slide the shift knob onto the shaft and slide down into place fully.
  - Seat the retaining ring up onto the shifter knob and seat fully.
  - Place the gear selector lever into the Park position.
  - Release the park brake.
54. **Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.**



**Service Procedure (Continued)****G. Replace Passenger Airbag Inflator: ND**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge before further service

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death

**Service Procedure (Continued)**

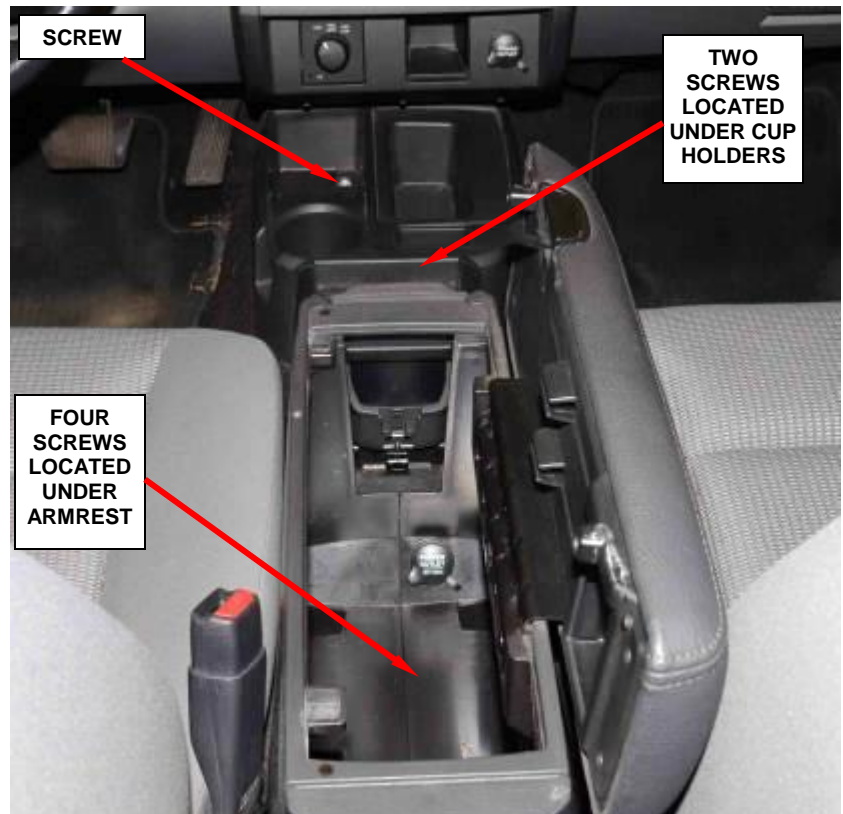
2. Remove the floor console.

**MINI FLOOR CONSOLE**

- a. If equipped, remove the shift boot.
- b. Remove the rubber liners.
- c. Remove the screws that secure the floor console to the floor panel and remove the floor console.

**FULL FLOOR CONSOLE**

- a. Remove the rubber liner.
- b. Remove the cup holder.
- c. Remove the tray.
- d. Remove the screws that secure the floor console to the floor panel (Figure 84).
- e. Disconnect the console assembly wire harness connector located underneath the floor console and remove the floor console from the vehicle.



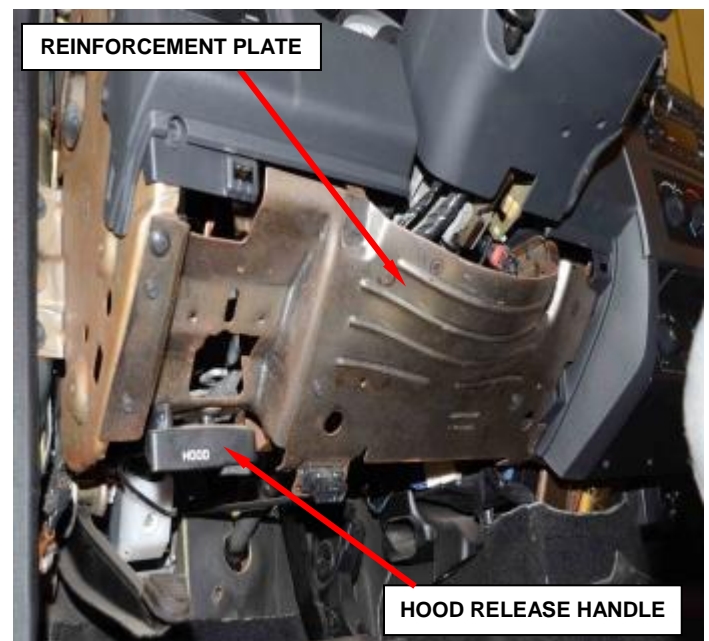
**Figure 84 - Floor Console (ATX Shown)**

**Service Procedure (Continued)**

3. Remove the driver and passenger side door sill trim cover (Figure 85).
4. Remove the driver and passenger side instrument panel end caps (Figure 85).
5. Remove the steering column opening cover and disconnect the parking brake linkage (Figure 86).
6. Remove the steering column reinforcement plate (Figure 86).
7. Remove the two hood release handle screws and position the handle to the side (Figure 86).



**Figure 85 – Door Sill Trim  
(Driver Side Shown)**

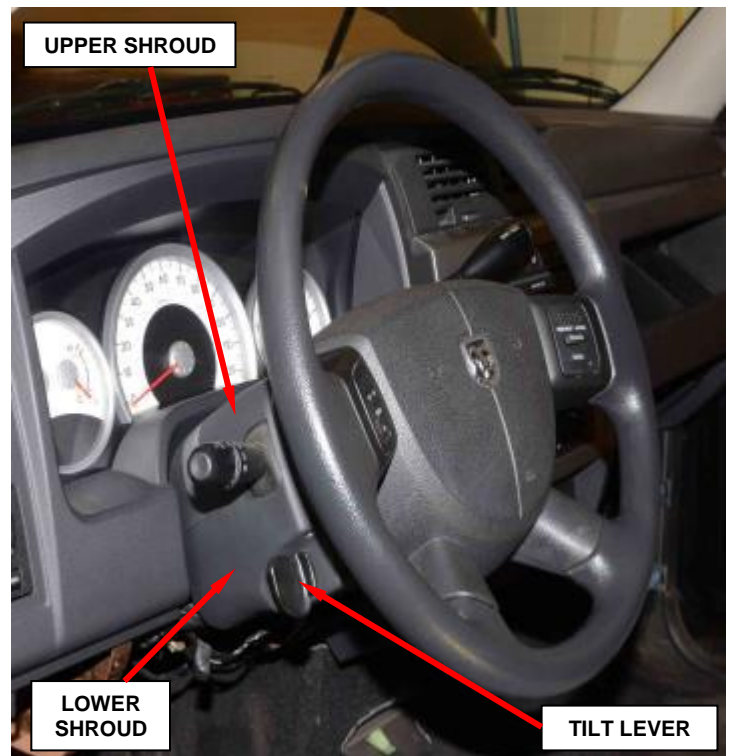


**Figure 86 – Steering Column Reinforcement  
Plate**

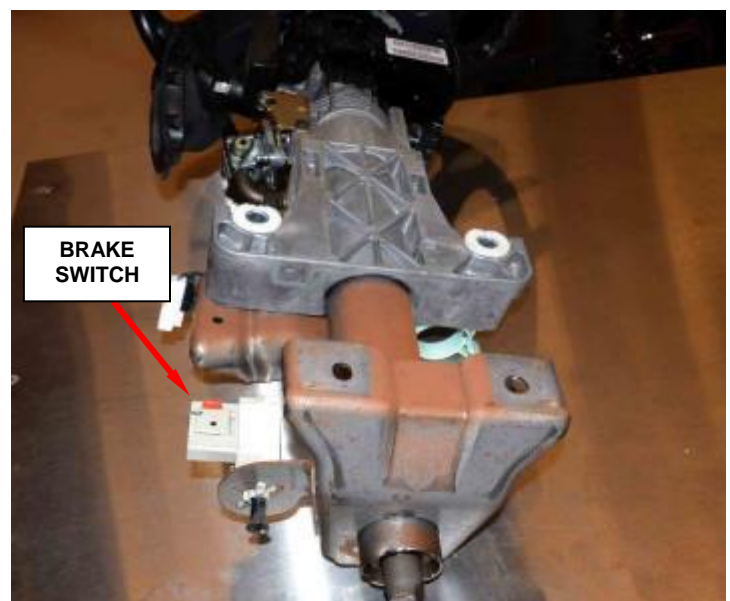
**Service Procedure (Continued)**

8. Position the front wheels straight ahead.
9. Remove the steering column tilt lever knob (Figure 87).
10. Remove the three screws from the lower steering column shroud and remove the upper and lower shrouds (Figure 87).
11. Disconnect the brake switch electrical connector (Figure 88).

**WARNING:** During installation depress the brake pedal while loading the steering column to the studs or damage may occur to the brake pedal switch.



**Figure 87 – Steering Column Shrouds**

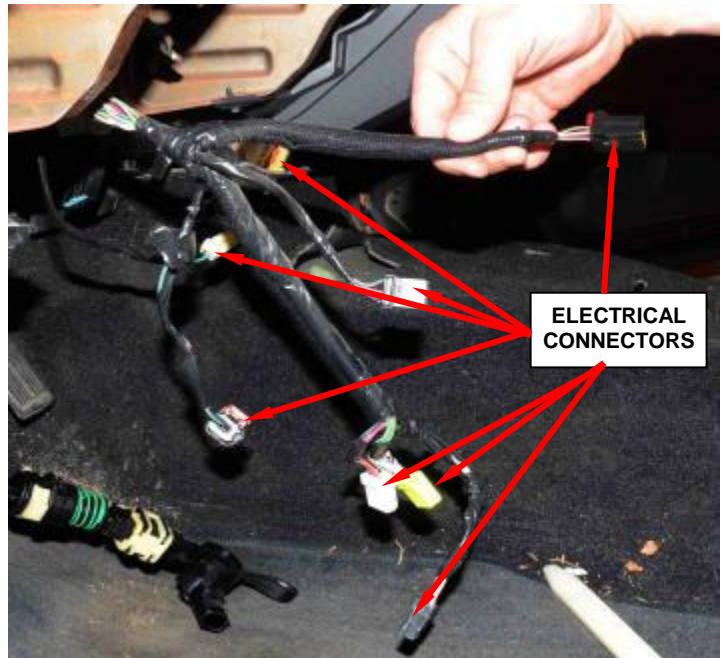


**Figure 88 - Brake Switch Connector (Column out of Vehicle for Photographic Purposes)**

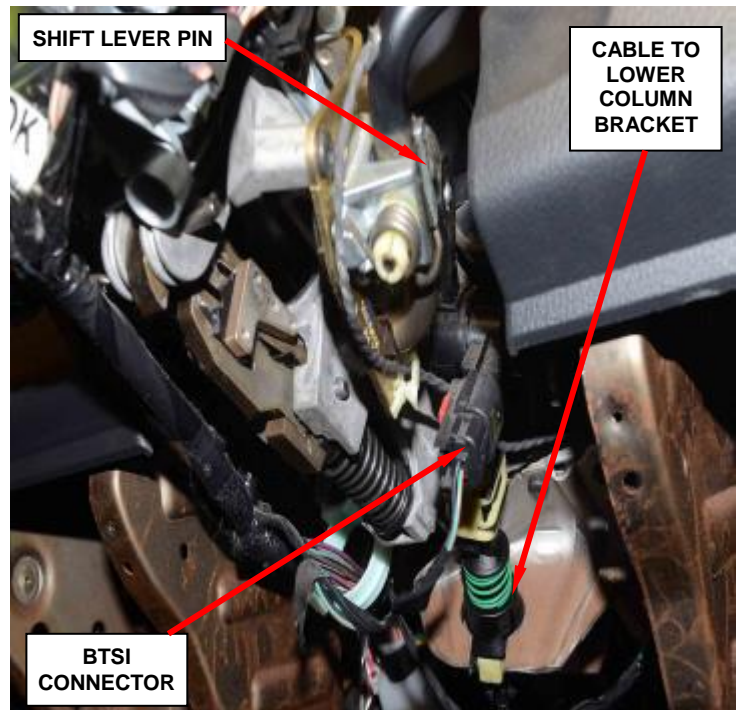


**Service Procedure (Continued)**

12. Disconnect the wiring harness electrical connectors from the column (Figure 89).
  - a. Disconnect the accelerator position sensor electrical connector (Figure 91).

**Figure 89 – Column Electrical Connectors**

13. Disconnect the gearshift cable from the column (Figure 90).
  - a. Disconnect the BTSI wiring connector.
  - b. Disconnect cable at lower column bracket and shift lever pin.

**Figure 90 – Gear Shift Cable**



**Service Procedure (Continued)**

14. Remove and **discard** the upper steering shaft coupler bolt from the column (Figure 91).
15. Separate the shaft from the coupler.

**WARNING:** Secure the steering wheel appropriately to avoid rotation and damage to the clockspring.

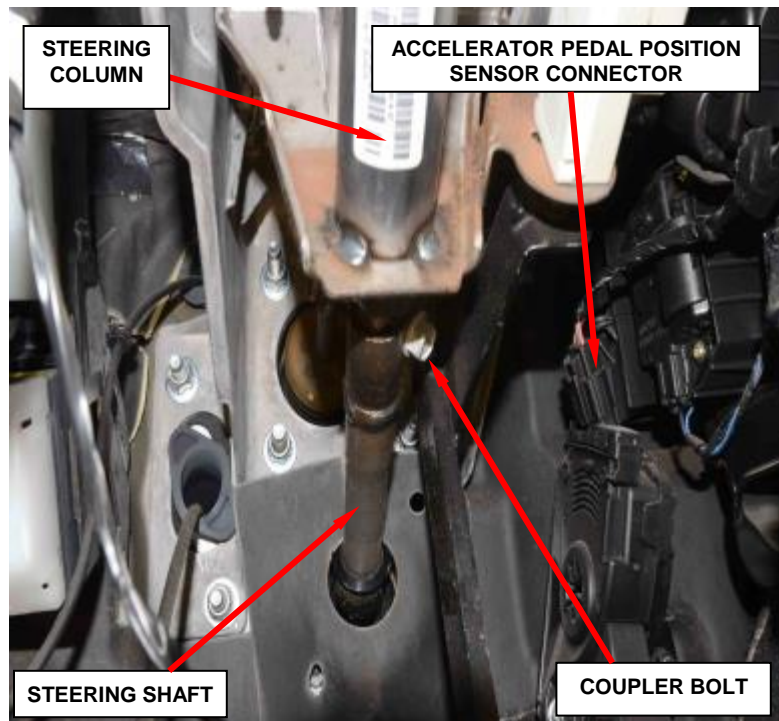


Figure 91 – Steering Shaft Coupler

16. Remove the four steering column mounting nuts (Figures 92 and 93).
17. Remove the steering column assembly from the vehicle.

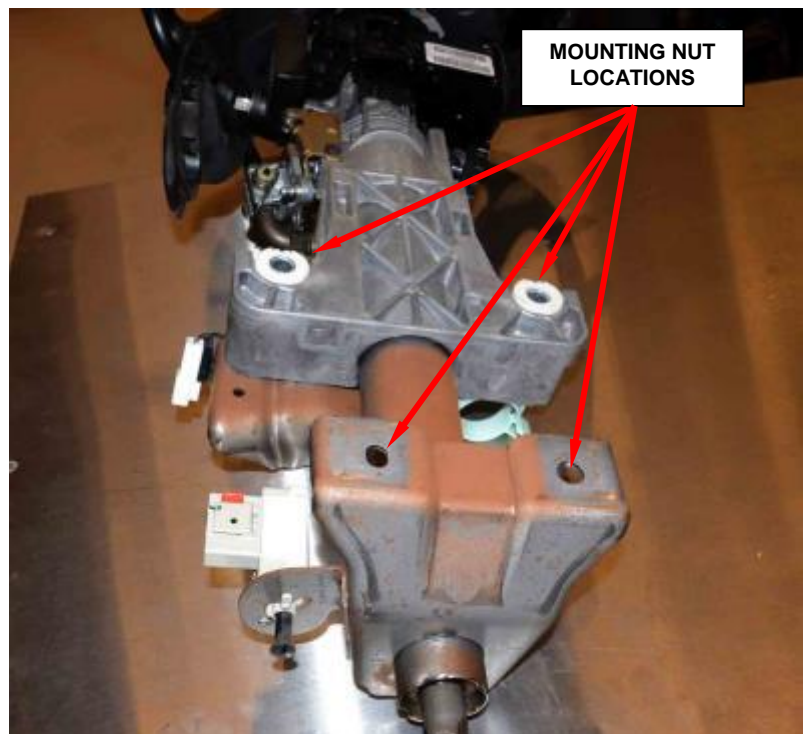
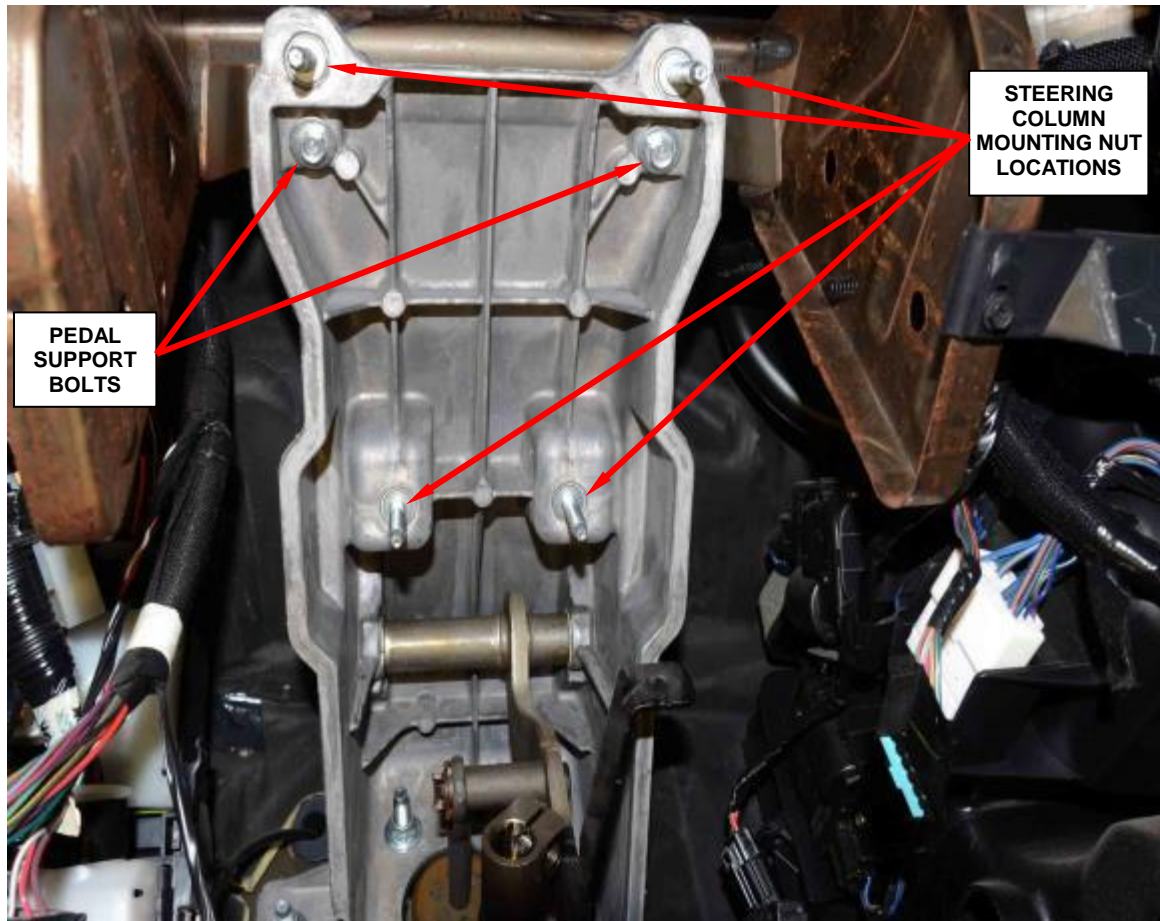


Figure 92 - Steering Column Mounting (Column Removed for Photographic Purposes)

**Service Procedure (Continued)**

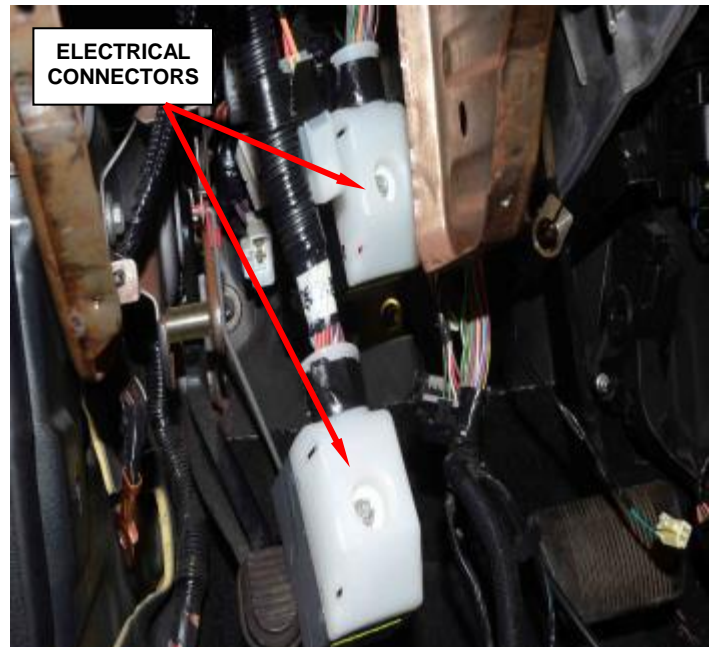
18. Remove the bolts from the pedal support (Figure 93).



**Figure 93 – Pedal Support Bolts**

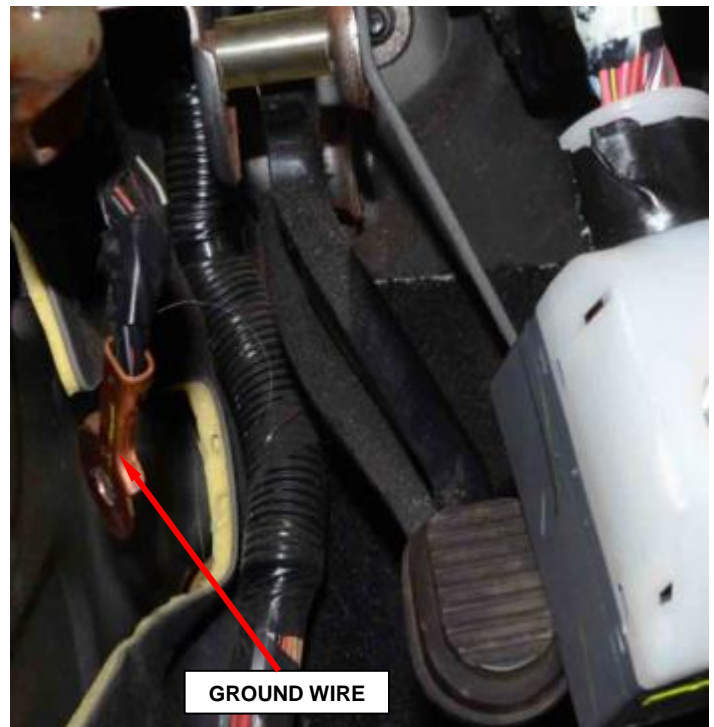
**Service Procedure (Continued)**

19. Loosen the screws and disconnect the electrical connectors (Figure 94).



**Figure 94 – Electrical Connectors**

20. Remove the bolt and the ground from the left A-pillar (Figure 95).



**Figure 95 – Bolt and Ground Location**



**Service Procedure (Continued)**

21. Disconnect one ORC module electrical connector (Figure 96).
22. Disconnect the HVAC electrical connector (Figure 96).
23. Disconnect the satellite antenna connector (Figure 96).
24. Remove the two center support bolts (Figure 97).
25. Remove the two left support bolts (Figure 97).

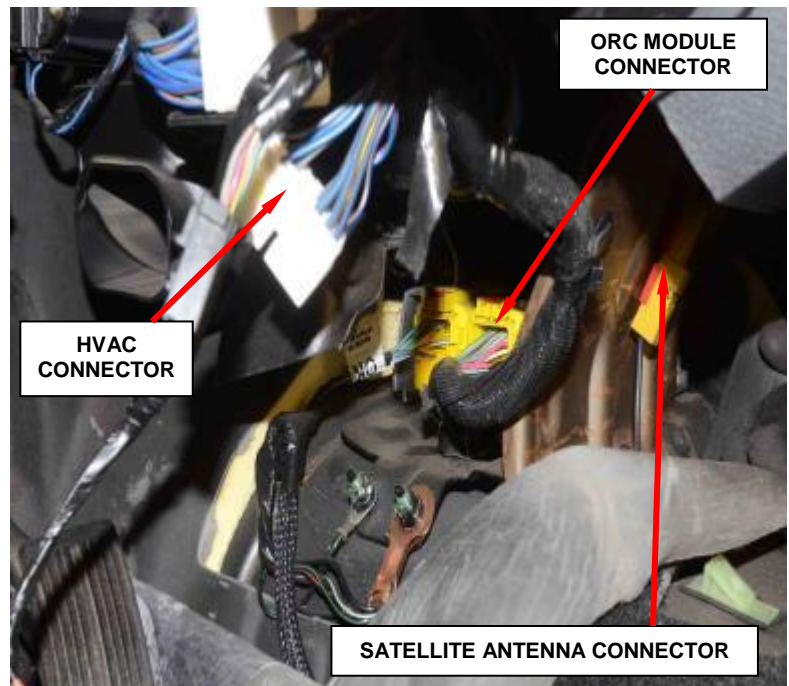


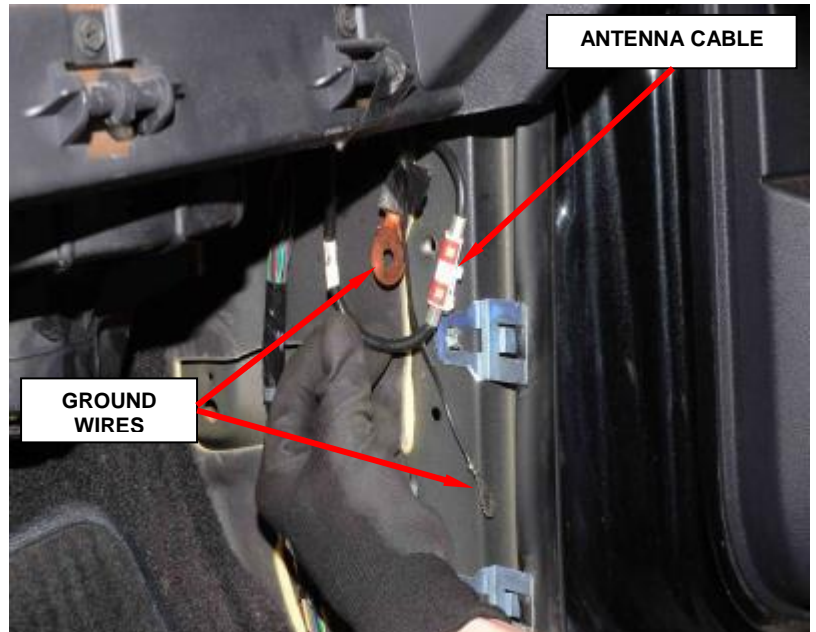
Figure 96 – ORC Module



Figure 97 - Support Bolts

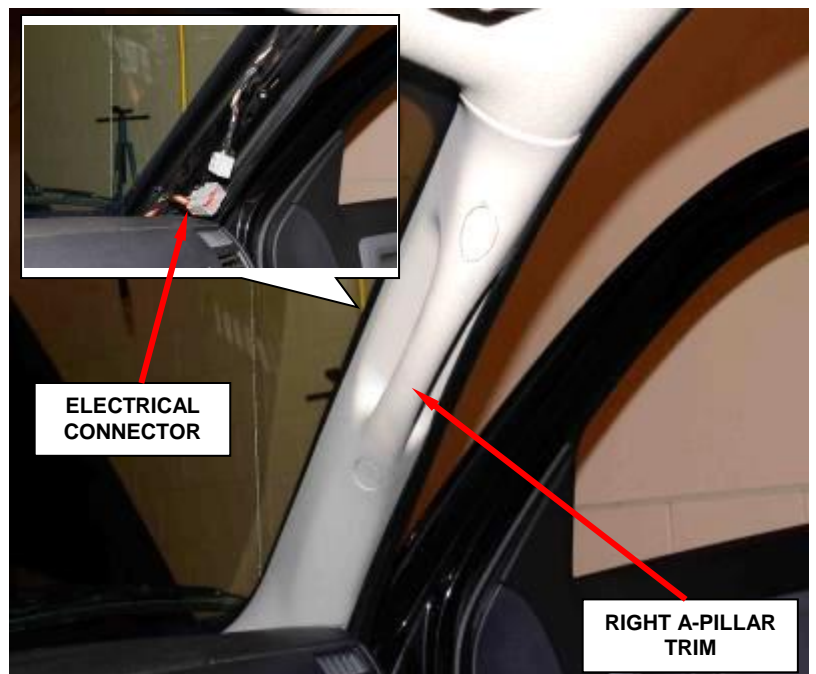
**Service Procedure (Continued)**

26. Remove the bolt and nut and disconnect the grounds on the right A-pillar (Figure 98).
27. Disconnect the antenna cable (98).
28. Remove the right and left side A-pillar trim (Figure 99).



**Figure 98 – Ground Bolt and Nut**

29. Disconnect the right side A-pillar electrical connector (Figure 99).
30. Remove the defroster grille.



**Figure 99 – A-Pillar Trim (Right Side Shown)**



**Service Procedure (Continued)**

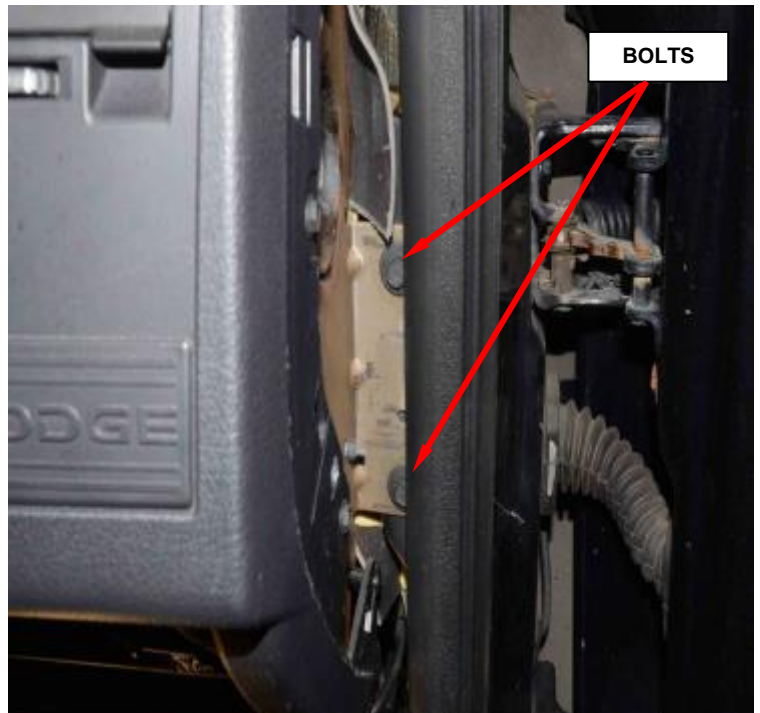
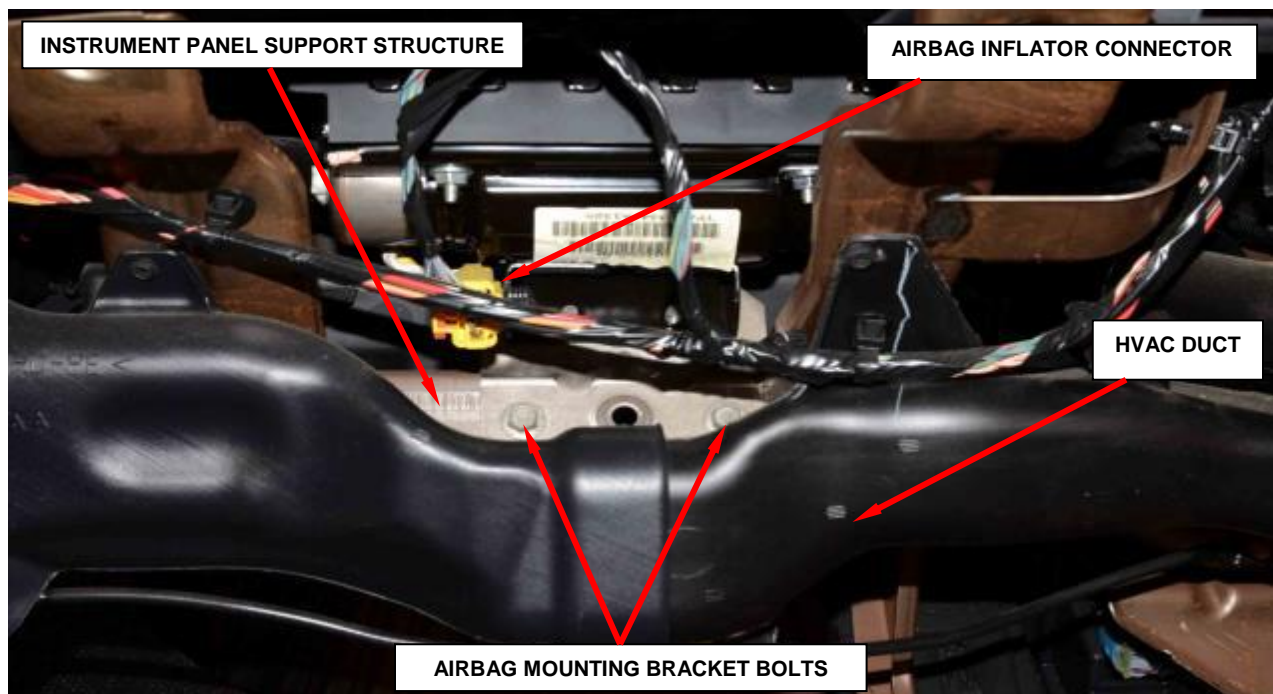
31. Remove the five upper fence line bolts (Figure 100).



**Figure 100 - Fence Line Bolts**

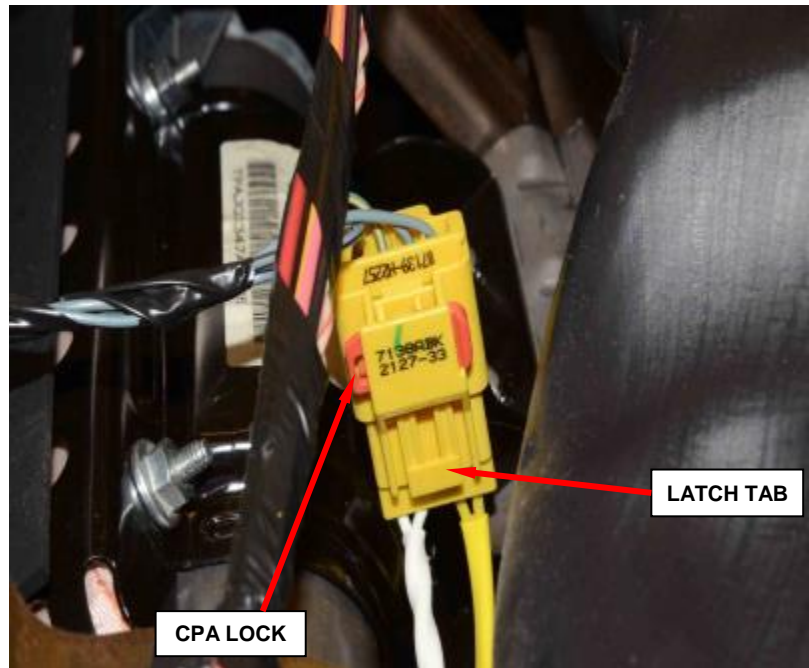
**Service Procedure (Continued)**

32. Remove the right side support bolts and with the help of another person, remove the instrument panel assembly from the vehicle and place on a soft clean surface (Figure 101).
33. Remove and save the two bolts that secure the passenger airbag bracket to the instrument panel support structure (Figure 102).

**Figure 101 - Right Side Support Bolts****Figure 102 – Instrument Panel Mounting Bracket**

**Service Procedure (Continued)**

34. Disconnect the instrument panel wire harness connector from the airbag inflator pigtail connector on the right side of the airbag mounting bracket (Figures 102 and 103).
- Slide the red Connector Position Assurance (CPA) lock on the connector toward the side of the connector (Figure 103).
  - Depress the connector latch tab and pull the two halves of the connector straight away from each other.

**Figure 103 - Airbag Inflator Pigtail Connector**

35. Using a trim stick or another suitable wide flat bladed tool, gently pry the forward and side edges of the passenger airbag door away from the top of the instrument panel far enough to disengage the snap features on the door from the receptacles in the instrument panel top pad (Figure 104).

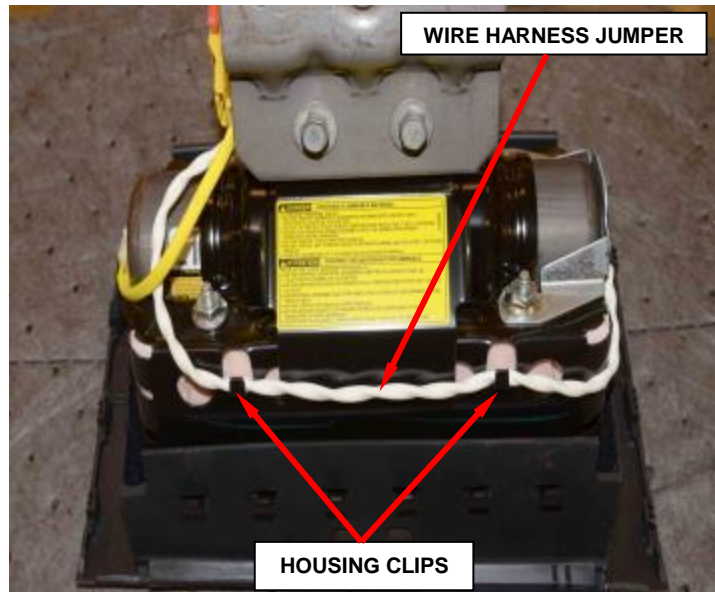
**Figure 104 – Passenger Airbag Door**



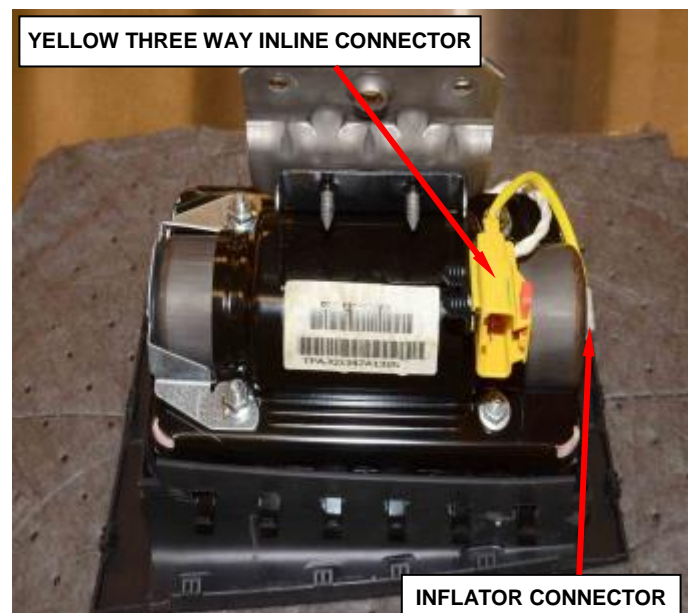
**Service Procedure (Continued)**

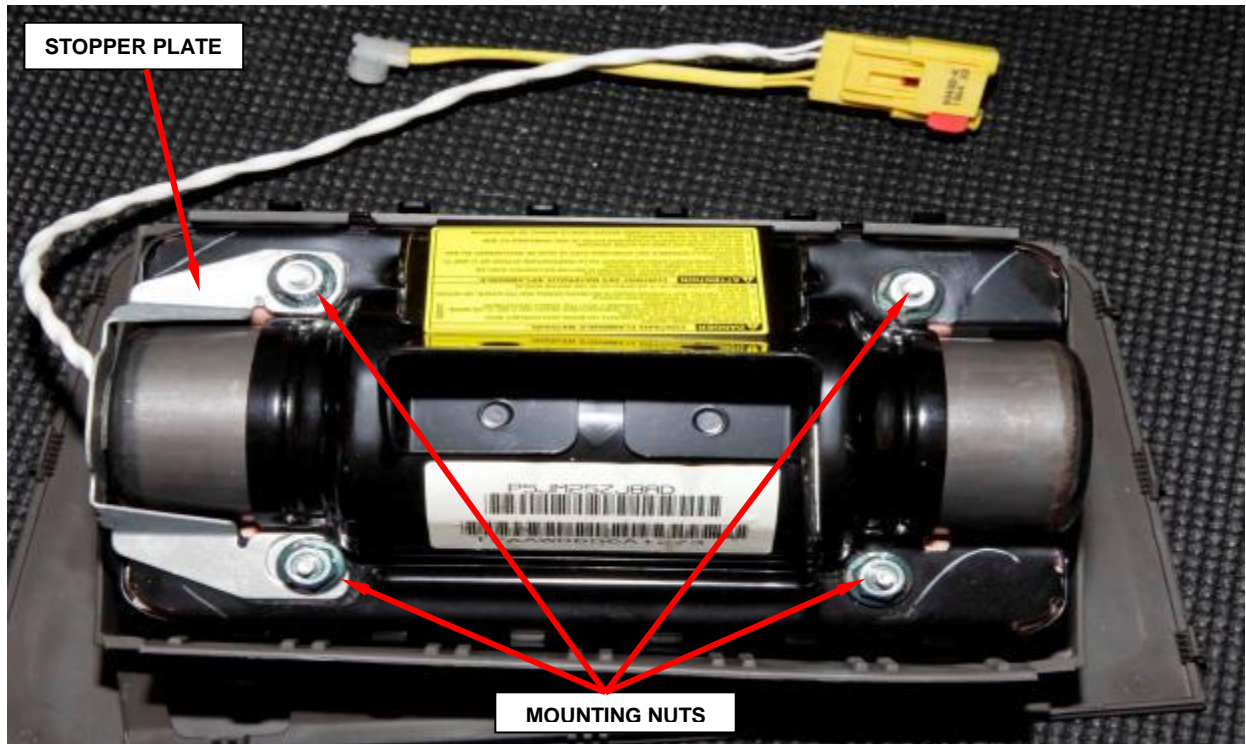
36. Remove the passenger airbag and airbag door from the instrument panel as a unit.
37. Use the following procedure to retrofit the passenger side airbag assembly.

- a. Place the passenger airbag assembly on a soft surface to prevent damage using the foam block provided with the inflator kit.
- b. Disengage the wire harness jumper from the housing clips in two places (Figure 105).

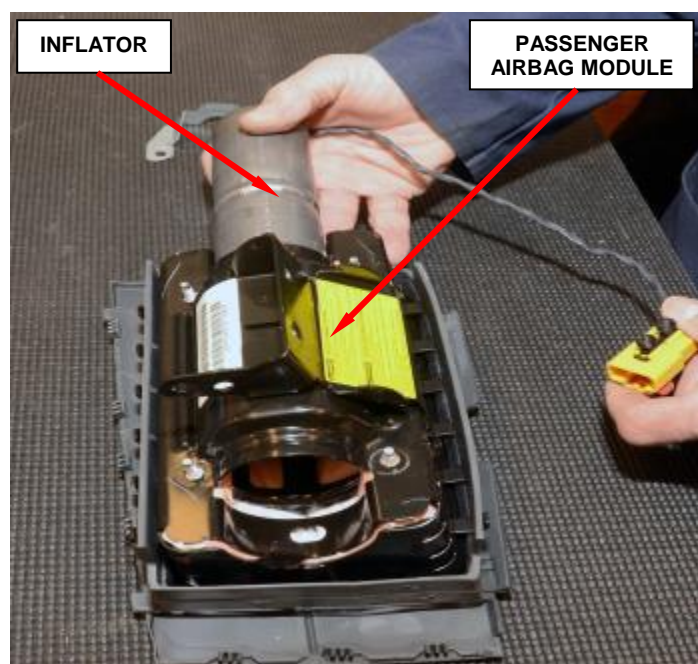
**Figure 105 – Passenger Airbag Assembly**

- c. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 106).
- d. Remove the yellow three way inline connector from the housing bracket (Figure 106).

**Figure 106 – Inflator Connectors**

**Service Procedure (Continued)****Figure 107 – Mounting Nuts and Stopper Plate**

- e. Remove and discard the four mounting nuts and stopper plate from the passenger airbag module (Figure 107).
- f. Slide the inflator out of the passenger airbag module (Figure 108).

**Figure 108 - Inflator Removal**

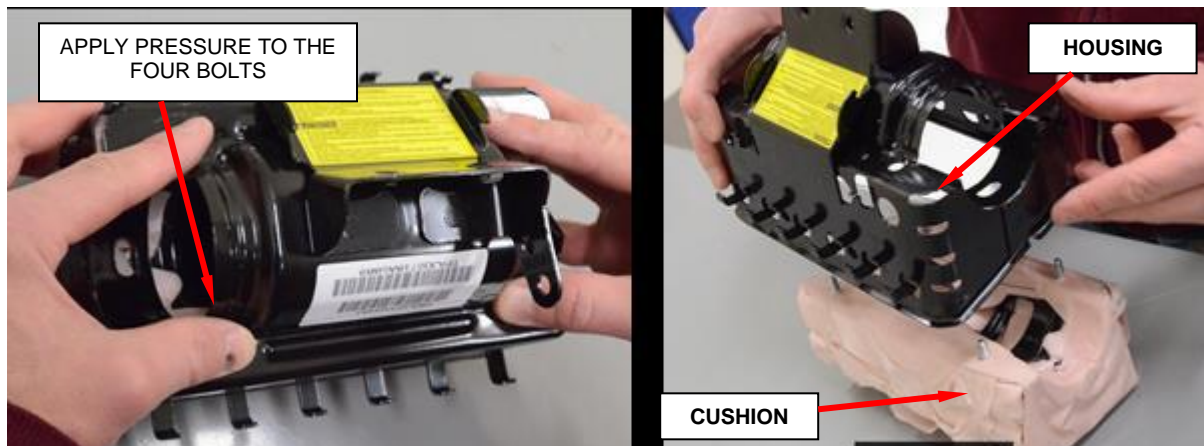


**Service Procedure (Continued)**

- For 2009-2011 MY ND vehicles, if using replacement inflator kit **CBXZS432AA (PSAN)**, then continue with Step p.
- For 2009-2011 MY ND vehicles, if using replacement inflator kit **CBXZS432AB or AC (GuNi)**, continue with Step g.

g. Remove the airbag module from the door.

h. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 109).



**Figure 109 – Remove Airbag Cushion from Housing**

**Service Procedure (Continued)**

- i. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 110).



**Figure 110 – Fabric Gasket to Cushion (Glossy Side Up)**

**Service Procedure (Continued)**

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 111).

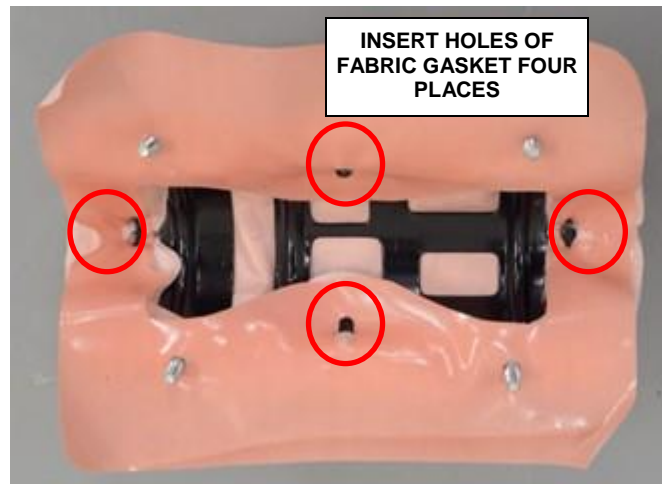


Figure 111 – Fabric Gasket

- k. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 112).

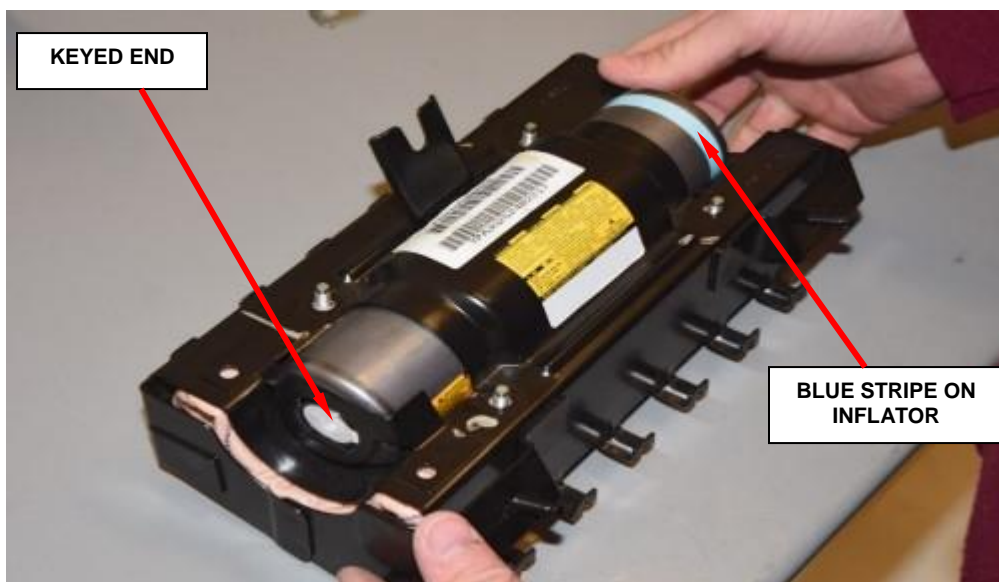


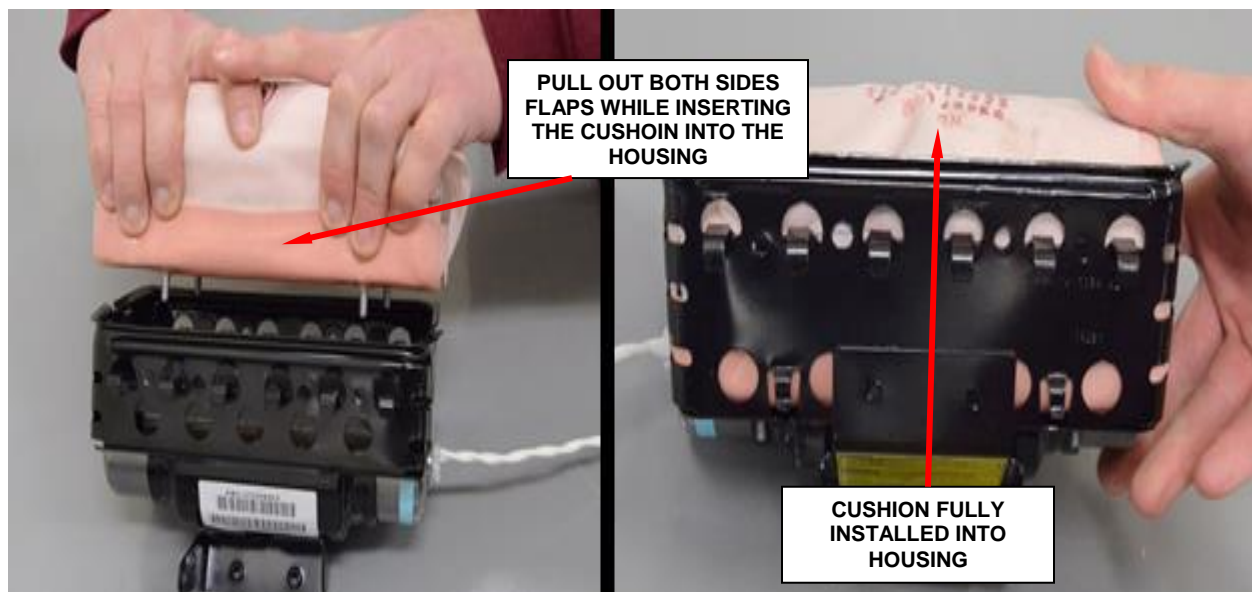
Figure 112 – Insert Inflator

**Service Procedure (Continued)**

**NOTE:** The inflator's key **MUST** line up with the housing's key (Figure 114).

- l. Insert the cushion, pulling out both side flaps (Figure 113).

**NOTE:** The spacing between the bolts is different on both sides, thus mistake-proof.



**Figure 113 - Side Flaps Must Be Held Out**

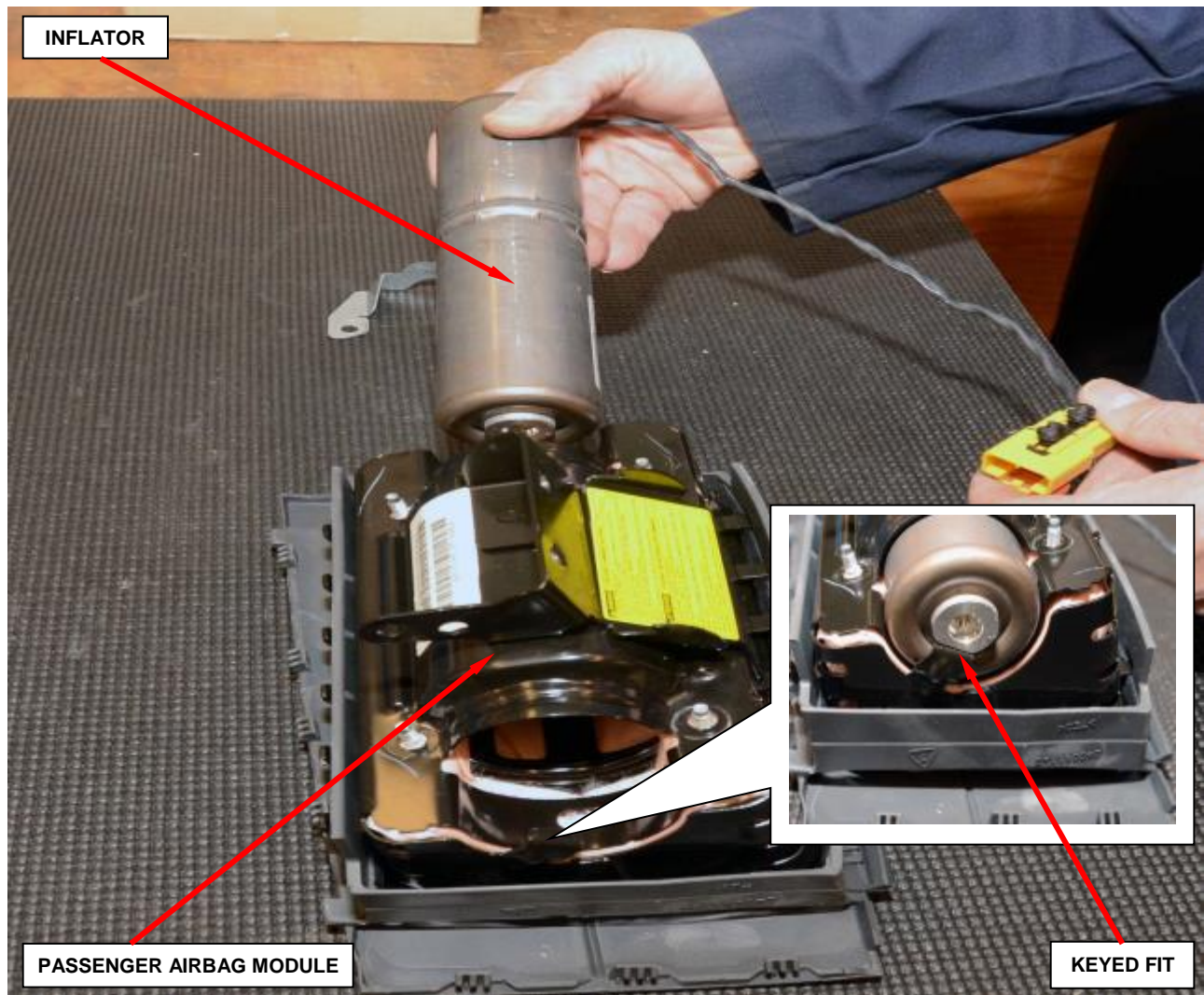
- m. Install the airbag module to the door.
- n. Continue with Step p to complete retrofit.



**Service Procedure (Continued)**

- o. Slide the **new** inflator into the passenger airbag module (Figure 114).

**NOTE:** The inflator is keyed to fit into the housing (Figure 114).



**Figure 114 – Passenger Inflator Installation**

**Service Procedure (Continued)**

- p. Install the stopper plate to the airbag module.
- q. Install the four new mounting nuts to the airbag module and tighten to 53in.lbs. (6 N·m).
- r. Install the yellow three way inline connector to the housing bracket.
- s. Connect the single yellow wire inflator connector to the end of the inflator after removing the protective tape from the end of the inflator.
- t. Engage the wire harness jumper under the housing clips in two places.

**WARNING: To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.**

**WARNING: To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.**

- 38. Carefully position the passenger airbag and airbag door to the instrument panel as a unit.
- 39. Carefully lower the passenger airbag unit into the instrument panel, being certain that the passenger airbag mounting bracket is properly positioned to the instrument panel support structure.

**Service Procedure (Continued)**

40. Install and tighten the two bolts that secure the passenger airbag mounting bracket to the instrument panel support structure. Tighten the screws to 55 in. lbs. (6 N·m).
41. Connect the instrument panel wire harness connector for the airbag to the passenger airbag inflator pigtail wire connector on the right side of the airbag mounting bracket. Be certain that the latch on the connector and the red Connector Position Assurance (CPA) lock are each fully engaged.
42. Align and insert the rearward tabs of the passenger airbag door into the slots in the instrument panel top pad.
43. Using hand pressure, push down on the passenger airbag door over each snap feature until it snaps into its receptacle in the instrument panel base trim.
44. Install the instrument panel into the vehicle and guide onto the a-pillar studs.
45. Install the right side bolts.
46. Install the fence line bolts.
47. Install the bolts into the pedal support bracket and tighten securely.
48. Install the left side support bolts.
49. Install the center support bolts.
50. Tighten the left side support bolts to 12 N·m (105 in. lbs.).
51. Tighten the right side support bolts to 12 N·m (105 in. lbs.).
52. Tighten the center support bolts to 12 N·m (105 in. lbs.).
53. Tighten the pedal support bracket bolts to 14 N·m (10 ft. lbs.).
54. Tighten the fence line bolts to 9.5 N·m (85 in. lbs.).

**Service Procedure (Continued)**

55. Install the defroster grille.
56. Install the right and left A-pillar trim covers. Tighten fasteners securely.
57. Connect the satellite antenna connector, if equipped.
58. Install the right side grounds and install the bolt and nut. Tighten securely.
59. Connect the antenna cable.
60. Install the passenger side end cap.
61. Install the passenger door sill trim cover.
62. Position the center wire harness back and connect the ABS module connectors and grounds.
63. Install the left side ground and install the bolts. Tighten securely.
64. Connect the two electrical connectors on the left side and tighten the screws to 5 N·m (40 in. lbs.).
65. Connect the HVAC electrical connector and accelerator pedal position sensor connector.

**NOTE: Torque the upper left nut first then the lower right nut. Then torque the lower left nut then the upper right nut.**

66. Position the steering column on the dash panel support and loosely install the mounting nuts.
67. Firmly slide the steering column upward against the studs in dash panel and hand tighten the nuts.
68. Center steering column in dash opening and tighten mounting nuts to 28 N·m (21 ft. lbs.).

**WARNING: Depress the brake pedal while positioning the steering column to the studs or damage may occur to the brake pedal switch.**

**Service Procedure (Continued)**

69. Install the steering shaft coupler on the steering shaft and loosely install a **NEW** bolt.

**NOTE: A NEW bolt must be used for reinstallation.**

70. Tighten the coupler bolt to 57 N·m (42 ft. lbs.).
71. Install the shifter cable to the steering column.
72. Connect the wiring harness electrical connectors to the column.
73. Install the steering column shrouds.
74. Install the lilt lever knob. Tighten the screw securely.
75. Connect the brake switch electrical connector.
76. Install the steering column opening cover. Tighten the three screws securely.
77. Install the driver side door sill trim cover.
78. Install the passenger side end cap.
79. Install the floor console. Tighten the seven screws securely then install all cup holders and mats.
80. **Do not connect the battery negative cable at this time. Continue with Section L. Supplemental Restraint System (SRS) Verification Test.**



**Service Procedure (Continued)****H. Replace Passenger Airbag Inflator: JK**

**WARNING:** To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any steering wheel, steering column, airbag, seat belt tensioner, impact sensor or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS.

Failure to take the proper precautions could result in accidental airbag deployment. At no time should any source of electricity be permitted near the inflator on the back of a non-deployed airbag or seat belt tensioner.

When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

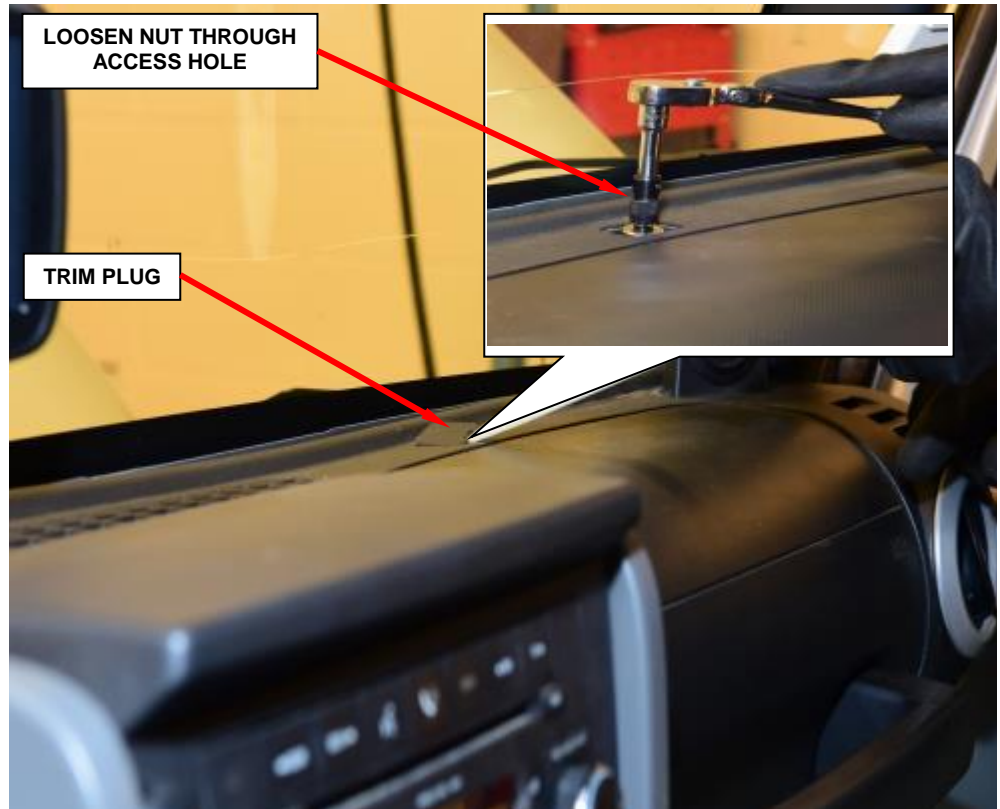
1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge before further service

**WARNING:** Wait two minutes for the airbag system reserve capacitor to discharge before beginning any airbag system or component service. Failure to do so may result in accidental airbag deployment, personal injury or death.

- For 2009 through 2010 JK vehicles, continue with **Step 2**.
- For 2011 and 2013 JK vehicles, continue with **Step 11**.

**Service Procedure (Continued)**

2. Remove the trim plug from the access hole in the top of the instrument panel between the windshield and the forward edge of the passenger airbag door (Figure 115).



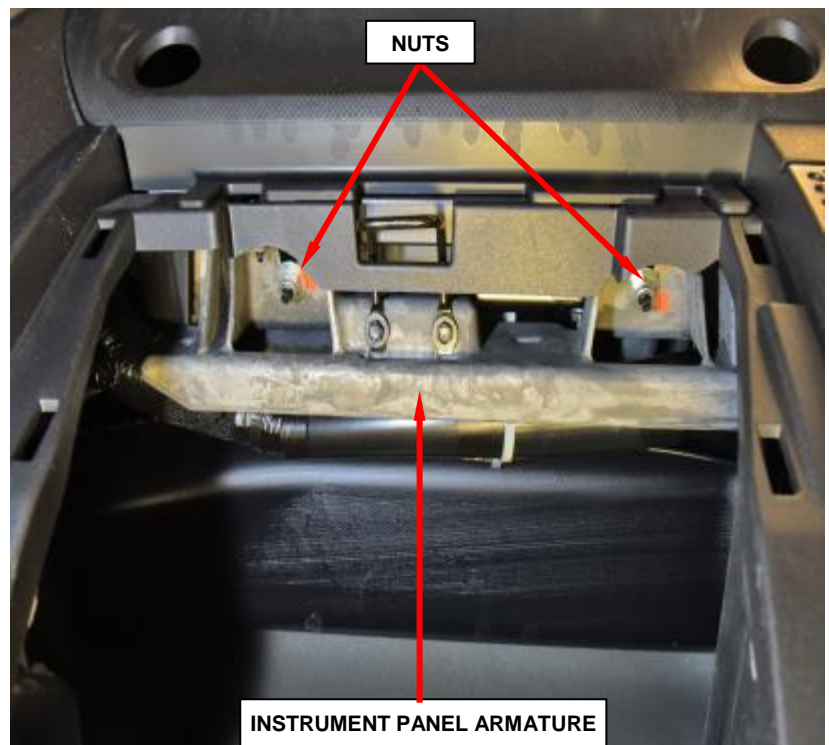
**Figure 115 – Trim Plug Access Hole**

3. Working through the access hole, loosen the nut that secures the passenger airbag upper bracket and the instrument panel armature to the stud near the windshield fence line (Figure 115).

**NOTE:** The nut that secures the passenger airbag upper bracket does not need to be completely removed.

**Service Procedure (Continued)**

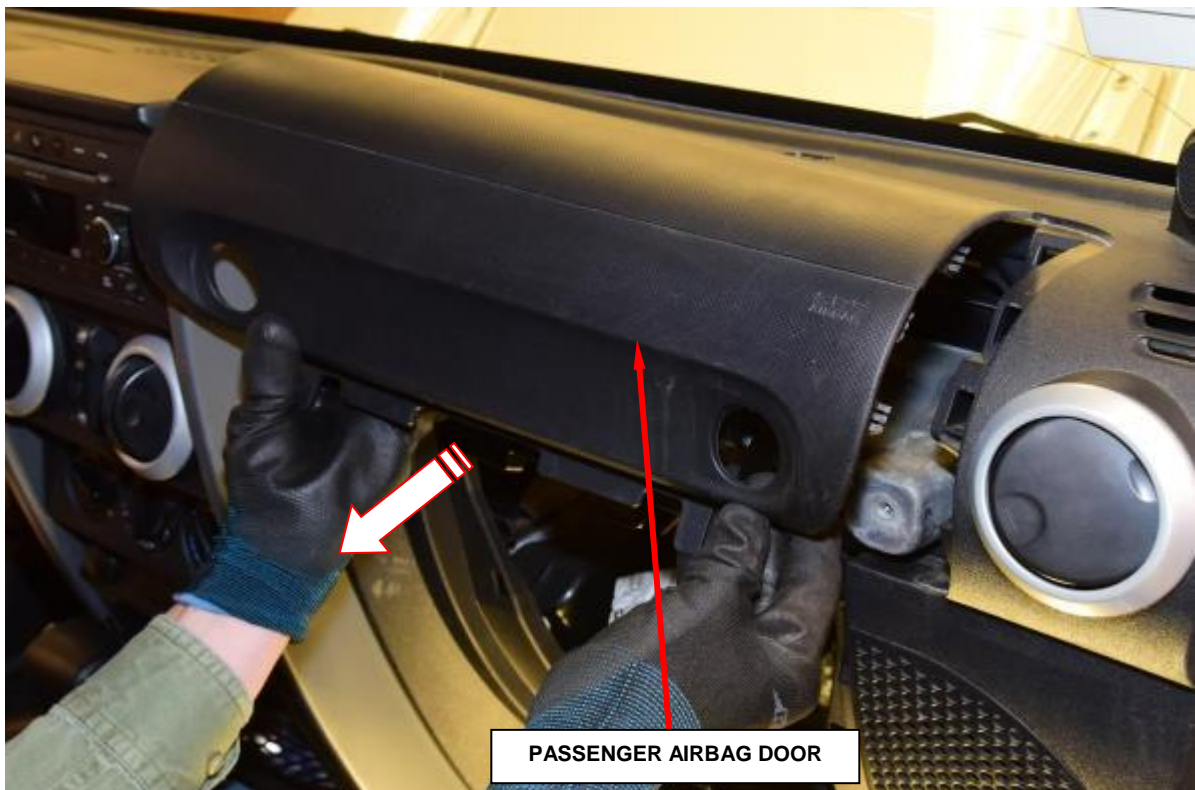
4. Remove the grab handle above the glove box door from the instrument panel.
  - a. Using a trim stick C-4755 or equivalent, slide the grab handle trim caps off the trim handle.
  - b. Remove and save the two bolts and remove the grab handle (Figure 116).
5. Remove the glove box from the instrument panel.
  - a. Open the glove box and squeeze the stop tabs inward.
  - b. Lower the glove box and release the hinges and remove the glove box.
6. Reach up into the instrument panel glove box opening to access and remove and **save** the two nuts that secure the passenger airbag lower studs to the instrument panel armature on each side of the glove box latch striker (Figure 117).

**Figure 116 – Grab Handle Bolts****Figure 117 – Lower Passenger Airbag Nuts**

**Service Procedure (Continued)**

7. Using a trim stick or another suitable wide flat-bladed tool, gently pry the edges of the passenger airbag door rearward far enough to disengage the snap features in the instrument (Figure 118).
8. Grasp the lower edge of the passenger airbag door and pull the door and airbag rearward far enough to access the two instrument panel wire harness connections.

**CAUTION:** Do not pull on the instrument panel wire harness take outs or pry on the connector insulators to disengage the connectors from the passenger airbag inflator connector receptacles. Improper removal of these take outs and their connector insulators can result in damage to the airbag circuits or the connector insulators.

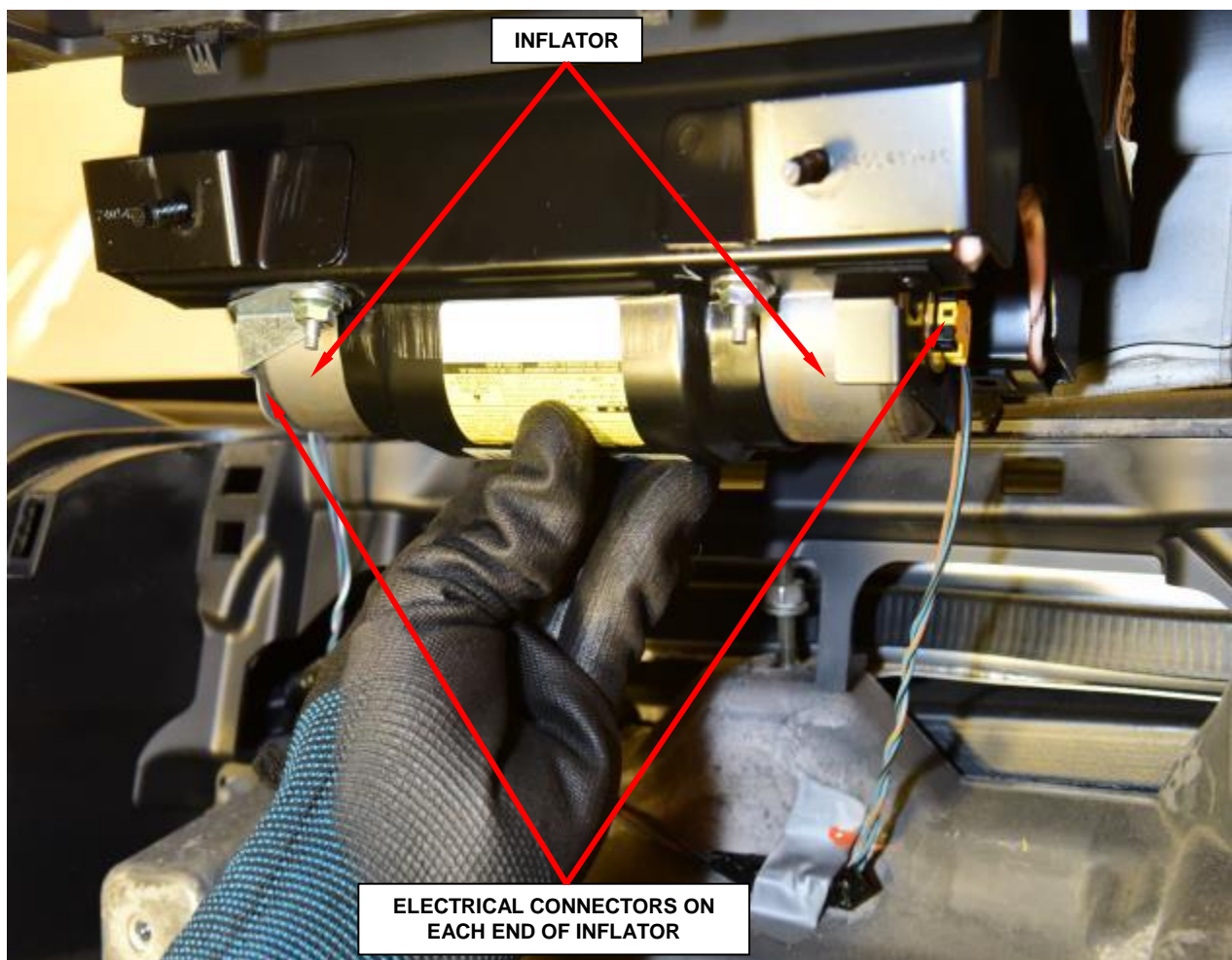


**Figure 118 – Passenger Airbag Door**



**Service Procedure (Continued)**

9. Disconnect the instrument panel wire harness connectors from the airbag inflator. Firmly grasp and pull the lock straight out from the connector insulator, then pull the insulators straight out from the airbag inflator to disconnect them from the connector receptacles (Figure 119).
10. Remove the passenger airbag and airbag door from the instrument panel as a unit and continue with Step 31.

**Figure 119 – Airbag Inflator Electrical Connectors**



**Service Procedure (Continued)**

11. Remove the three HVAC outlets (Figure 120).
  - a. Each air outlet is secured by a retaining tab located on the outlet, and a stop tab located on the back of the trim panel. Access the retaining tab from the inside of the air outlet, through the square openings provided (Figure 121).
  - b. Rotate the louvers of the air outlet in the instrument panel to the eleven-o'clock position.
  - c. Adjust the louvers partly downward for best access.
  - d. Working from inside of the air outlet, place a small screwdriver or equivalent through the square opening, located at the twelve-thirty position.

**NOTE: Illustration shown with air outlet removed for clarity.**

- e. Carefully pry the retaining tab toward the center of the air outlet and rotate the outlet counterclockwise (Figure 121)

**NOTE: If the foam seal on the air outlet is deformed or damaged, the seal must be replaced.**

- f. Pull the air outlet straight out of the instrument panel.



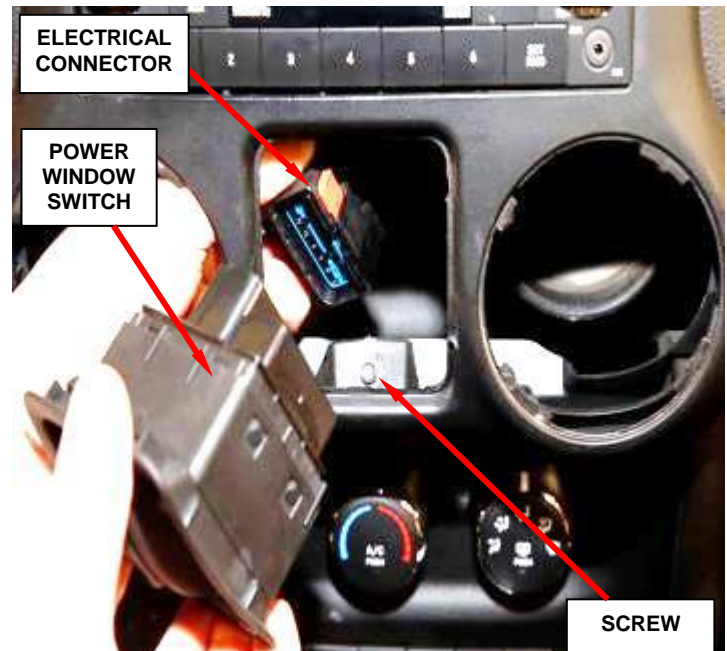
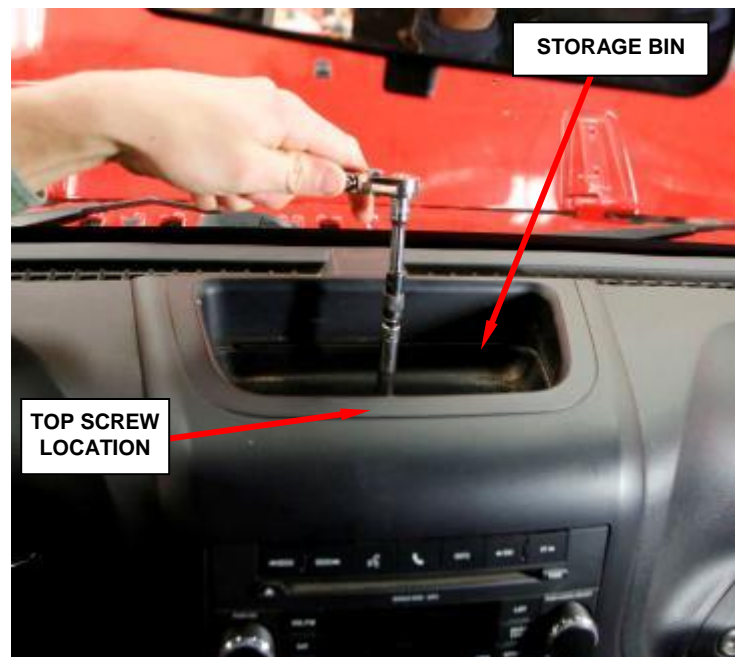
**Figure 120 – HVAC Outlets**



**Figure 121 - HVAC Outlet Tab**

**Service Procedure (Continued)**

12. Position the steering wheel into the full down position.
13. Remove the steering column opening cover.
14. If equipped with power windows, using a Trim Stick C-4755 or a suitable flat bladed tool, gently pry the switch assembly away from the instrument cluster bezel (Figure 122).
15. For vehicles without power windows, using a Trim Stick C-4755 or a suitable flat bladed tool, gently pry the storage bin assembly away from the bezel and remove.
16. Disconnect the switch assembly electrical connector and remove the switch (Figure 122).
17. Remove the screw from the power window switch opening (Figure 122).
18. Remove the storage bin mat and remove the top screw (Figure 123).

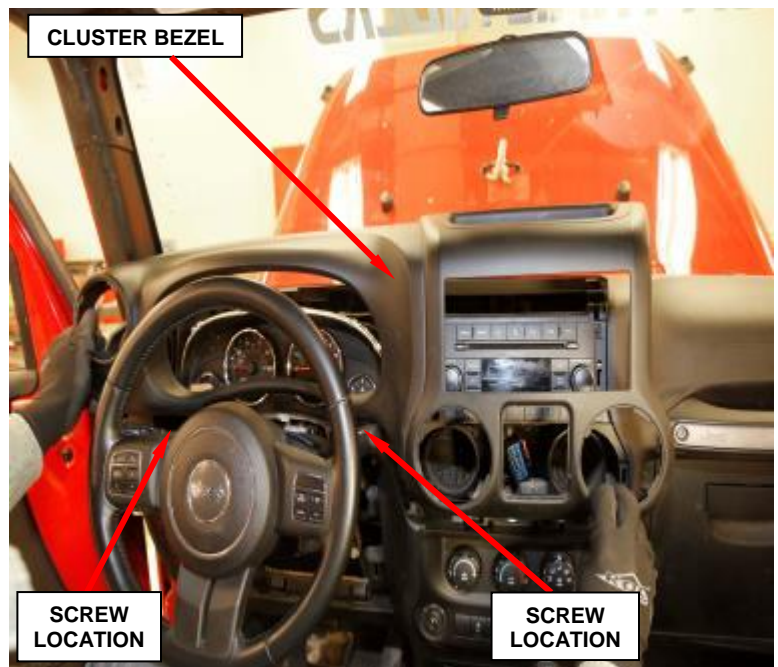
**Figure 122 – Power Window Switch****Figure 123 – Center Bezel Screws**

**Service Procedure (Continued)**

19. Remove the two screws below the cluster on both sides of the steering column (Figure 124).

**CAUTION:** Do not use tools to release the lower bezel retaining clips or damage to the bezel and reinforcement ring can occur.

20. Without the use of tools reach into the IP cavity through the vent openings and firmly grasp the lower bezel behind the bezel reinforcement ring and carefully pull the bezel back to release the lower retaining clips.



**Figure 124 – Cluster Bezel Screws**

21. Release the remaining retaining clips and remove the bezel.
22. Remove the glove box from the instrument panel.
23. Using a trim stick C-4755 or equivalent, separate and remove the grab handle trim cover (Figure 125).
24. Remove the two bolts and remove the grab handle (Figure 125).

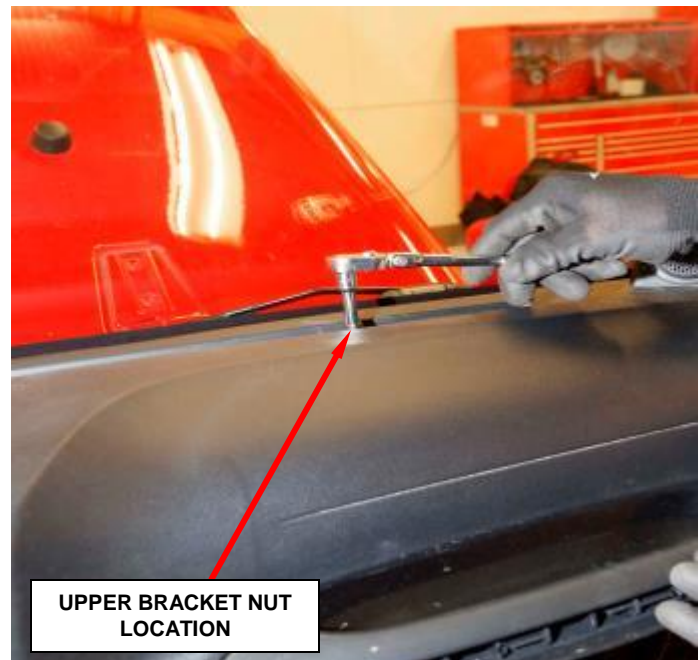
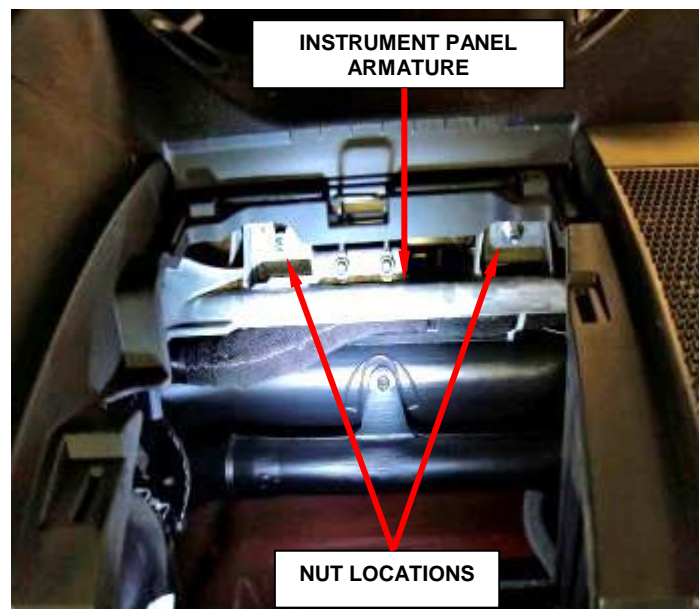


**Figure 125 – Grab Handle**



**Service Procedure (Continued)**

25. Remove the trim plug from the access hole in the top of the instrument panel between the windshield and the forward edge of the Passenger Airbag (PAB) door.
26. Working through the access hole, **loosen** the nut that secures the PAB upper bracket and the instrument panel armature to the stud near the windshield fence line (Figure 126).
27. Reach up into the instrument panel glove box opening to access and remove and save the two nuts that secure the PAB lower studs to the instrument panel armature on each side of the glove box latch striker (Figure 127).

**Figure 126 – PAB Upper Bracket Nut****Figure 127 – PAB Lower Nuts**

**Service Procedure (Continued)**

28. Grasp the lower edge of the PAB door and pull the door and PAB unit rearward far enough to access the two instrument panel wire harness connections to the PAB inflators at each side of the PAB housing (Figure 128).

**CAUTION: Do not pull on the instrument panel wire harness take outs or pry on the connector insulators to disengage the connectors from the passenger airbag inflator connector receptacles. Improper removal of these take outs and their connector insulators can result in damage to the airbag circuits or the connector insulators.**

29. Disconnect the two panel wire electrical connectors from the PAB inflators. Firmly grasp and pull the lock straight out from the connector insulator, then pull the insulators straight out from the inflator to disconnect them from the connector receptacles (Figure 128).
30. Remove the PAB and door from the instrument panel as a unit.

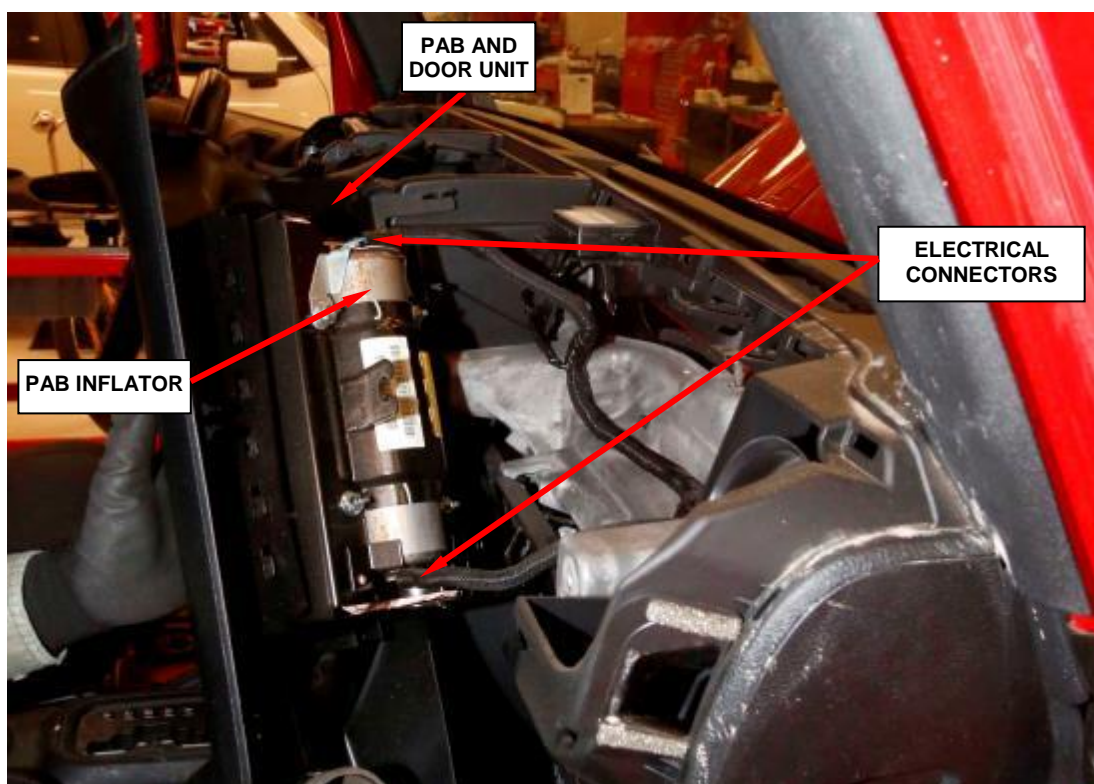


Figure 128 – Electrical Connectors



**Service Procedure (Continued)**

31. Use the following procedure to retrofit the passenger side airbag assembly.

a. Place the passenger airbag assembly on a soft surface to prevent damage using the foam block provided with the inflator kit.

b. Remove and **discard** the four mounting nuts from the passenger airbag module (Figure 129).

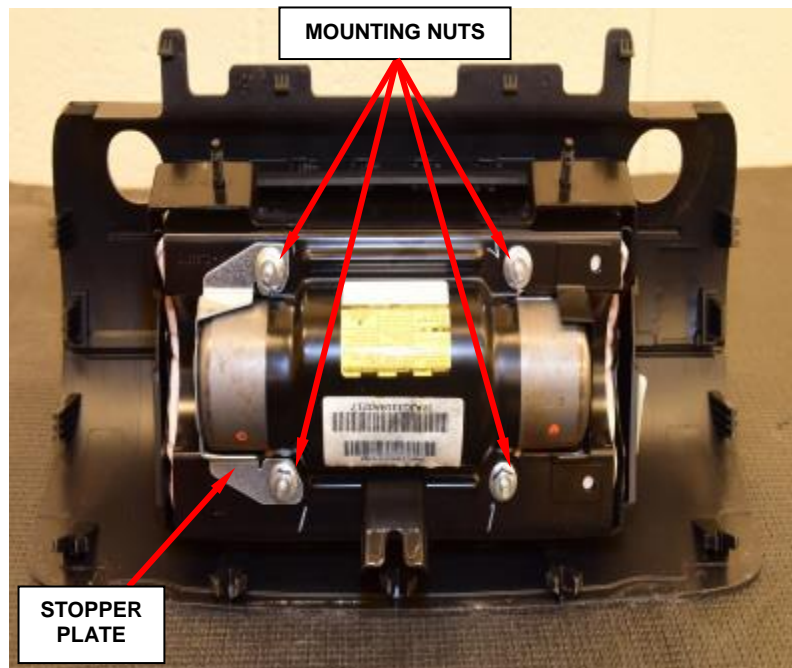


Figure 129 – Mounting Nuts

c. Remove and save the stopper plate from the passenger airbag module (Figure 130).

➤ If using replacement inflator kit CBXZS435AA, then continue with Step m.

➤ If using replacement inflator kit CBXZS435AB or AC (GuNi), continue with Step d.

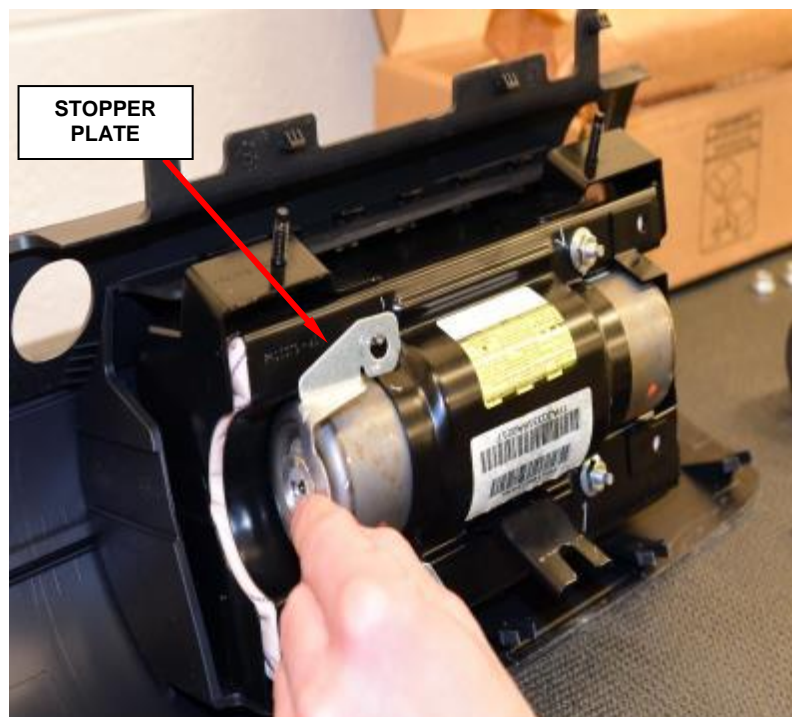
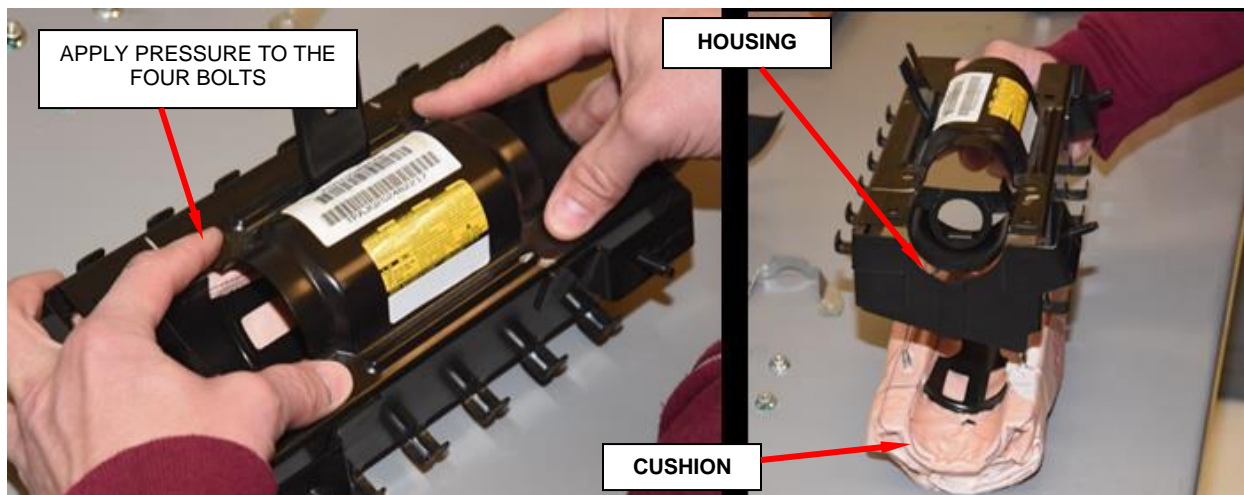


Figure 130 – Stopper Plate

**Service Procedure (Continued)**

- d. Slide inflator out of the housing.
- e. Remove the airbag module from the door.
- f. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 131).



**Figure 131 – Remove Airbag Cushion from Housing**

- g. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 132).



**Figure 132 – Fabric Gasket to Cushion (Glossy Side Up)**

**Service Procedure (Continued)**

- h. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 133).

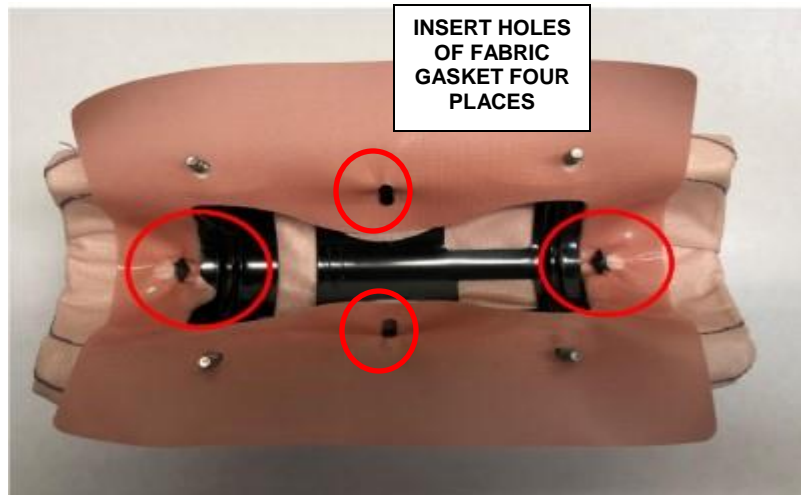


Figure 133 - Fabric Gasket

- i. Slide **new** inflator into housing. The keyed end is inserted first, therefore the blue stripe on the inflator will be located at the open end, as shown (Figure 134).

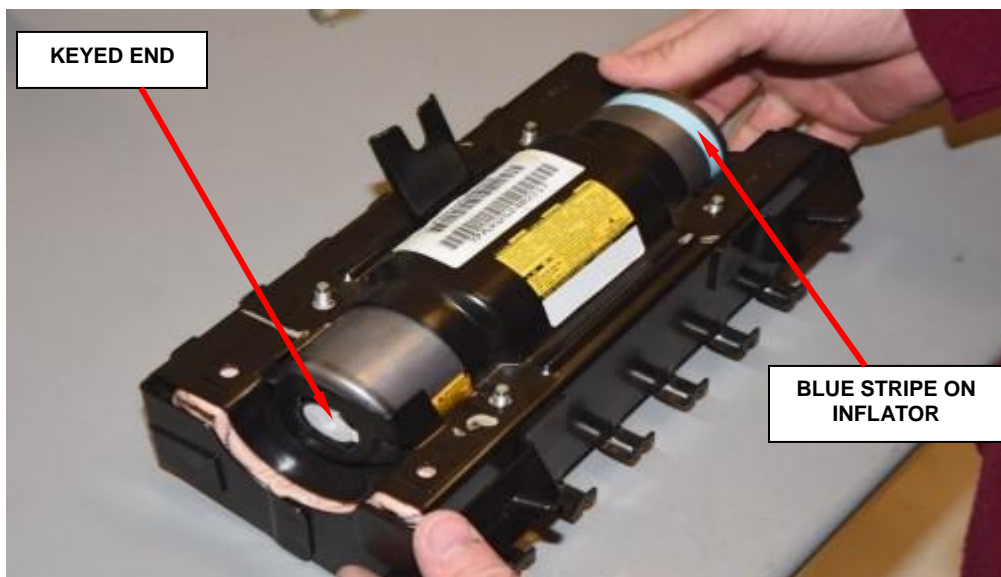


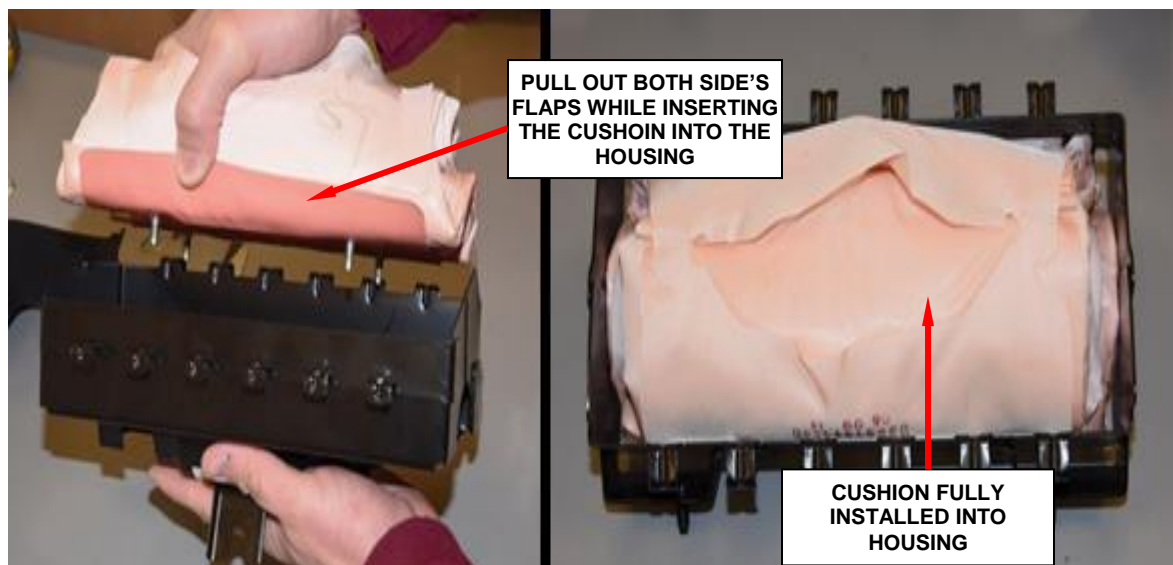
Figure 134 – Insert Inflator (Shown with Cushion Installed)

**Service Procedure (Continued)**

**NOTE:** The inflator's key **MUST** line up with the housing's key (Figure 136).

- j. Insert the cushion, pulling out both side flaps (Figure 135).

**NOTE:** The spacing between the bolts is different on both sides, thus mistake-proof.



**Figure 135 - Side Flaps Must Be Held Out**

- k. Install the airbag module to the door.
- l. Continue with Step o to complete retrofit.

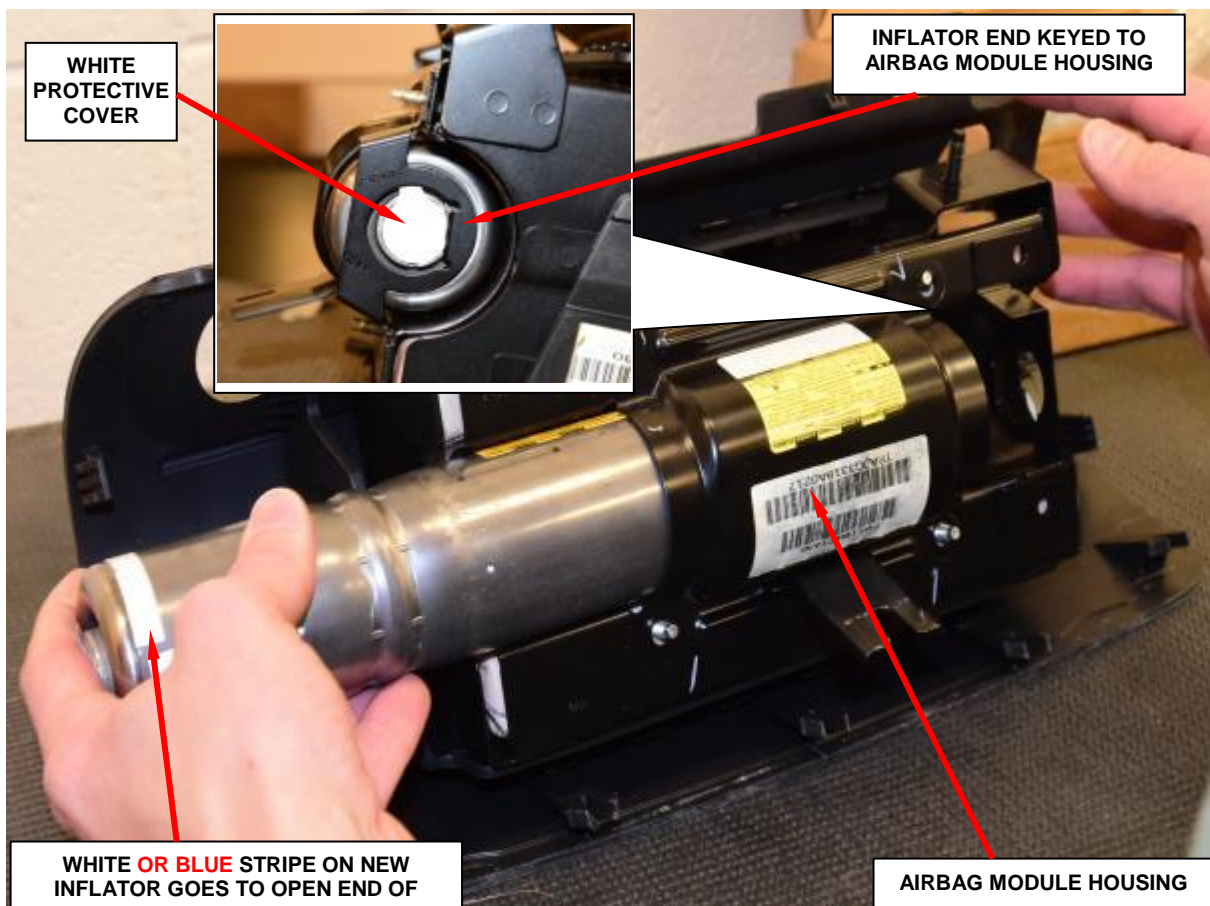


**Service Procedure (Continued)**

- m. Slide the **old** inflator out of the passenger airbag module housing (Figure 146).

**NOTE:** The inflator is keyed to fit into the housing. Ensure that when the new inflator is inserted, the keyed end goes in first (Figure 136).

- n. Slide the **NEW** inflator into the passenger airbag module housing. The keyed end is inserted first; therefore, the white stripe on the **NEW** inflator will be located at the open end (Figure 136).



**Figure 136 – Inflator Installation**

**Service Procedure (Continued)**

- o. Install the stopper plate to the airbag module (Figure 137).
- p. Install the four new mounting nuts to the airbag module and tighten to 62 in. lbs. (7 N·m) (Figure 137).
- q. Passenger airbag retrofit is complete (Figure 137).

**WARNING:** To avoid personal injury or death, the passenger airbag door must never be painted. Replacement passenger airbag units are serviced with doors in the original colors. Paint may change the way in which the material of the airbag door responds to an airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

**WARNING:** To avoid personal injury or death, use extreme care to prevent any foreign material from entering the passenger airbag, or becoming entrapped between the passenger airbag cushion and the passenger airbag door. Failure to observe this warning could result in occupant injuries upon airbag deployment.

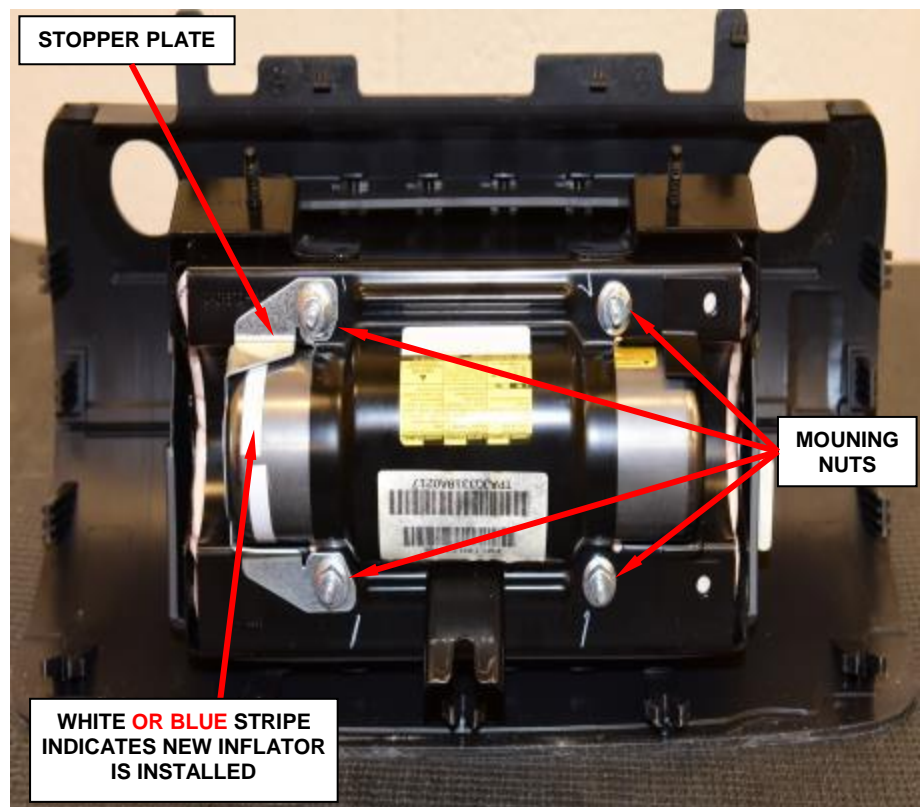


Figure 137 – Retrofit Complete

**Service Procedure (Continued)**

32. Remove the white protective covers from the ends of the new inflator.
33. Position the passenger airbag and airbag door to the opening in the face of the instrument panel base trim as a unit.
34. Connect the two electrical connectors of the instrument panel wire harness take outs to the airbag inflator connector receptacles on each side of the airbag inflator by pressing straight in on the connectors, then pushing the locks straight into the connectors. Be certain to engage each keyed and color-coded connector to the matching connector receptacle.
35. Slide the passenger airbag forward being certain that the upper passenger airbag bracket is engaged with the stud and under the nut on the windshield fence line and that the two lower studs of the airbag are engaged in the holes of the instrument panel armature.
36. Install and tighten the two nuts that secure the passenger airbag lower studs to the instrument panel armature. Tighten the nuts to 80 in. lbs. (9 N·m).
37. Using hand pressure, press the passenger airbag door forward and downward until each snap feature on the edges of the airbag door is fully engaged into its receptacle in the instrument panel base trim.

**Service Procedure (Continued)**

38. Install the grab handle onto the instrument panel. Tighten the bolts to 10 ft. lbs. (15 N·m).
39. Install the grab handle trim cover(s).
40. Install the glove box into the instrument panel.
41. Working through the access hole in the top of the instrument panel between the windshield and the forward edge of the passenger airbag door, tighten the nut that secures the passenger airbag upper bracket and the instrument panel armature to the stud near the windshield fence line. Tighten the nut to 106 in. lbs. (12 N·m).
42. Install the trim plug into the access hole in the top of the instrument panel.
43. For 2007 through 2010 vehicles continue with **Step 45**.
44. For 2011 and 2012 vehicles complete the following Steps.
  - a. Position the cluster bezel into place and seat all clips fully.
  - b. Install the two screws on both sides of the steering column and tighten securely.
  - c. Install the screw in the switch/bin opening.
  - d. Install the storage bin screw and position the bin mat back into place.
  - e. Position the window switch assembly and connect electrical harness connectors.
  - f. Position the switch and press into place, engaging the integrated latches.



**Service Procedure (Continued)**

- g. Position the storage bin, if equipped, back and seat fully.
  - h. Install the three HVAC outlets.
  - i. Install the steering column opening cover.
45. Do not connect the battery negative cable at this time. Continue with Section I. Supplemental Restraint System (SRS) Verification Test.

**Service Procedure (Continued)****I. Supplemental Restraint System (SRS) Verification Test**

**NOTE:** During the following test, the negative battery cable remains disconnected and isolated during steps 1 and 2 of the Supplemental Restraint System (SRS) Verification Test.

**NOTE:** The wiTECH scan tool must be used to perform this recall. The wiTECH software is required to be at the latest release level before performing this procedure.

1. Connect the wiTECH micro pod II to the vehicle data link connector located under the steering column.
2. For vehicles equipped with a keyed ignition switch, turn the ignition switch to the “ON” position and exit the vehicle then **continue with Step 4**.
3. For vehicles equipped with keyless ignition node, check to be certain that nobody is in the vehicle then connect the battery negative cable(s) and turn the ignition switch to the “ON” position then **continue with Step 5**.
4. Check to be certain that nobody is in the vehicle then connect the battery negative cable(s).
5. Open the wiTECH 2 website.
6. Enter your “**User id**”, “**Password**” and “**Dealer Code**” then select “**Sign in**”.
7. Starting at the “**Vehicle Selection**” screen, select the appropriate vehicle and Device Name.
8. From the “**Action Items**” screen select the “**All DTCs**” tab.
9. Clear all DTC’s in all modules.

**NOTE:** Any active Diagnostic Trouble Codes (DTC’s) may require an additional key cycle from “ON” to “OFF” to change DTC status from “active” to “stored”.

**Service Procedure (Continued)**

10. Turn the ignition switch to the “**OFF**” position for about 15 seconds, and then back to the “**ON**” position. Observe the airbag indicator in the instrument cluster.
  - The airbag indicator in the instrument cluster should illuminate for six to eight seconds, and then go out. This indicates that the SRS is functioning normally and that the repairs are complete. Turn the ignition to the “**OFF**” position.
  - If the airbag indicator fails to light or the light and stays ON, there is still an active SRS fault or malfunction. Refer to the appropriate diagnostic
  - information to diagnose the problem.
11. Close the hood, remove the wiTECH micro pod II.
12. Return the vehicle to the customer.

**Completion Reporting and Reimbursement**

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims payment will be used by FCA US LLC to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

**NOTE: Use the following Labor Operation Numbers when repairing the vehicles using PSAN Inflator Kits.**

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009 HB/HG)	08-U0-31-82	0.8 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 LX)	08-U0-31-82	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2013 LX/LD)	08-U0-31-82	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2013 LC)	08-U0-31-82	1.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009- <b>2011</b> ND)	08-U0-31-82	1.9 hours



**Completion Reporting and Reimbursement (Continued)**

<b>Labor Operation</b>	<b><u>Time Number</u></b>	<b><u>Allowance</u></b>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 DH/DC/DM/D1)	08-U0-31-82	0.8 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 JK)	08-U0-31-82	0.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2013 JK)	08-U0-31-82	0.6 hours
<b>Optional Equipment</b>		
Equipped with Police Group (sales code AHB only)	08-U0-31-60	0.5 hours

**Completion Reporting and Reimbursement (Continued)**

**NOTE: Use the following Labor Operation Numbers when repairing the vehicles using GuNi Inflator Kits.**

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009 HB/HG)	08-U0-31-83	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2011 ND)	08-U0-31-83	1.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 DH/DC/DM/D1)	08-U0-31-83	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2013 LC)	08-U0-31-83	1.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 LX)	08-U0-31-83	1.0 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2013 LX/LD)	08-U0-31-83	1.0 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009-2010 JK)	08-U0-31-83	0.6 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2013 JK)	08-U0-31-83	0.7 hours

**NOTE:** See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

### **Dealer Notification**

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

### **Owner Notification and Service Scheduling**

All involved vehicle owners known to FCA US LLC are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

### **Vehicle Lists, Global Recall System, VIP and Dealer Follow Up**

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner’s name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer’s VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

**Dealers must perform this repair on all unsold vehicles before retail delivery.** Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

*Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.*

**Additional Information**

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services / Field Operations  
FCA US LLC