



Revised (6) May 2019

Dealer Service Instructions for:

Safety Recall S43 / NHTSA 16V-352 Passenger Airbag Inflator

NOTE: Revised Sections B through J to include updated 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 all kits except CBXZS431AA, AB, AC and AD.

Models

2004-2008	(DR) Dodge RAM 1500/2500/3500 Pickup
2005-2009	(DH) Dodge RAM 2500 Pickup
2006-2009	(D1) Dodge RAM 3500 Pickup
2007-2010	(DC) Dodge RAM 3500 Cab Chassis
2008-2010	(DM) Dodge RAM 4500/5500 Cab Chassis
2004-2009	(HB) Dodge Durango
2007-2009	(HG) Chrysler Aspen
2007-2012	(JK) Jeep® Wrangler
2006-2010	(LX) Dodge Charger
2005-2012	(LX) Chrysler 300, 300c
2005-2008	(LX) Dodge Magnum
2008-2012	(LC) Dodge Challenger
2011-2012	(LD) Dodge Charger

Models (Continued)

2005-2011 (ND) Dodge Dakota

2009 (VB) Dodge Sprinter (Canadian Vehicles Only)

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 on about 4,600,000 of the above vehicles may rupture, due to excessive internal pressure, during normal airbag deployment events. This condition is more likely to occur if the vehicle has been exposed to high levels of absolute humidity for extended periods of time. An inflator rupture, during airbag deployment events, could result in metal fragment(s) striking the vehicle occupant(s) resulting in serious injury or death.

Repair

The passenger airbag inflator must be replaced.

Parts Information

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>
CBXZS431AA	Inflator Kit, Passenger Airbag (PSAN)
or	(2004-2005 DR/DH)
CBXZS431AB	Inflator Kit, Passenger Airbag (PSAN)
or	
CBXZS431AC	Inflator Kit, Passenger Airbag (GuNi)
or	
CBXZS431AD	Inflator Kit, Passenger Airbag (GuNi)

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Inflator (with Wire Harness Jumper)
6	Nut, Mounting

CBXZS432AA	Inflator Kit, Passenger Airbag (PSAN)
	(2006-2010 DR/DH/DC/D1/DM)
	(2004-2009 HB/HG) (2005-2011 ND)
	(2005-2009 LX)
or	
CBXZS432AB	Inflator Kit, Passenger Airbag (GuNi)
or	
CBXZS432AC	Inflator Kit, Passenger Airbag (GuNi)

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)

06508531AA	Bolt, Steering Shaft (2008-2011 ND only)
	(One bolt required per repair) (MSQ 5)

Parts Information (Continued)

CBXZS433AA **Inflator Kit, Passenger Airbag (PSAN)**
(2008-2012 LC) (2010 LX)

or

CBXZS433AB **Inflator Kit, Passenger Airbag (GuNi)**
(2008-2012 LC) (2010 LX)
(2004-2006 HB) (2005-2006 ND)

or

CBXZS433AC **Inflator Kit, Passenger Airbag (GuNi)**
(2008-2012 LC) (2010 LX)
(2004-2006 HB) (2005-2006 ND)

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)

CBXZS434AA **Inflator Kit, Passenger Airbag (PSAN)**
(2011-2012 LX/LD)

or

CBXZS434AB **Inflator Kit, Passenger Airbag (GuNi)**
(2011-2012 LX/LD)

or

CBXZS434AC **Inflator Kit, Passenger Airbag (GuNi)**
(2011-2012 LX/LD)

Each kit contains the following components:

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

Parts Information (Continued)

CBXZS435AA	Inflator Kit, Passenger Airbag (PSAN)
or	(2007-2012 JK)
CBXZS435AB	Inflator Kit, Passenger Airbag (GuNi)
or	(2007-2012 JK)
CBXZS435AC	Inflator Kit, Passenger Airbag (GuNi)
	(2007-2012 JK)

Each kit contains the following components:

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

CBXZR262AB	Inflator Kit, Passenger Airbag (PSAN)
	(2009 VB) (Canada Only)

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Passenger Airbag Module
4	Screws, Housing to Bracket

04641780	Tie Strap (2009 VB only) (Canada Only)
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Parts Information (Continued)

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
2005	DH	Dodge RAM 2500 Pickup	CBXZS431AA or CBXZS431AB		CBXZS431AC or CBXZS431AD
2004-2005	DR	Dodge RAM 1500/2500/3500 Pickup			
2006-2009	D1	Dodge RAM 3500 Pickup	CBXZS432AA	or	CBXZS432AB or CBXZS432AC
2007-2010	DC	Dodge RAM 3500 Cab Chassis			
2006-2009	DH	Dodge RAM 2500 Pickup			
2008-2010	DM	Dodge RAM 4500/5500 Cab Chassis			
2006-2008	DR	Dodge RAM 1500/2500/3500 Pickup			
2008-2009	DX	RAM Truck Mexico			
2007	L2	Chrysler 300			
2006-2010	LE	Chrysler 300 / Magnum (Steyr)			
2006-2009	LX	Dodge Charger			
2005-2009	LX	Chrysler 300, 300c			
2005-2008	LX	Dodge Magnum			
2007-2011	ND	Dodge Dakota			
2007-2009	HG	Chrysler Aspen			
2007-2009	HB	Dodge Durango			
2004-2006	HB	Dodge Durango	CBXZS432AA	or	CBXZS433AB or CBXZS433AC
2005-2006	ND	Dodge Dakota			
2008-2012	LC	Dodge Challenger	CBXZS433AA	or	CBXZS433AB or CBXZS433AC
2010	LX	Dodge Charger			
		Chrysler 300, 300c			
		Chrysler 300 / Lancia Thema / Charger			
2011-2012	LD	Dodge Charger	CBXZS434AA	or	CBXZS434AB or CBXZS434AC
2011-2012	LX	Chrysler 300 / Lancia Thema / Charger			
2010-2012	J3	Jeep Wrangler (CKD)	CBXZS435AA	or	CBXZS435AB or CBXZS435AC
2008-2012	J8	Jeep Wrangler (CKD)			
2007-2012	JK	Jeep Wrangler			
2009	VB	Dodge Sprinter	CBXZR262AB		NA

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 2004 – 2005 DR and DH model vehicles, continue with Section B. Replace Passenger Airbag Inflator: 2004 – 2005 DR, DH \(Page 10\)](#)
- [For 2006 – 2010 DR, DH, DC, DM, and D1 model vehicles, continue with Section C. Replace Passenger Airbag Inflator: 2006 – 2010 DR, DH, DC, DM, D1 \(Page 32\)](#)
- [For HB and HG model vehicles, continue with Section D. Replace Passenger Airbag Inflator: HB, HG \(Page **47**\)](#)
- [For 2005 – 2010 LX model vehicles, continue with Section E. Replace Passenger Airbag Inflator: 2005-2010 LX \(Page **61**\)](#)
- [For 2011 – 2012 LX and LD model vehicles, continue with Section F. Replace Passenger Airbag Inflator: 2011-2012 LX, LD \(Page **73**\)](#)
- [For 2008 – 2012 LC model vehicles, continue with Section G. Replace Passenger Airbag Inflator: 2008-2012 LC \(Page **86**\)](#)
- [For 2005 – 2007 ND model vehicles, continue with Section H. Replace Passenger Airbag Inflator: ND \(Page **106**\)](#)
- [For 2008 – 2011 ND model vehicles, continue with Section I. Replace Passenger Airbag Inflator: ND \(Page **119**\)](#)
- [For JK model vehicles, continue with Section J. Replace Passenger Airbag Inflator: JK \(Page **143**\)](#)
- [For VB model vehicles, continue with Section K. Replace Passenger Airbag Inflator: VB \(Page **162**\)](#)

Service Procedure (Continued)**B. Replace Passenger Airbag Inflator: 2004 – 2005 DR, DH**

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(s). 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.

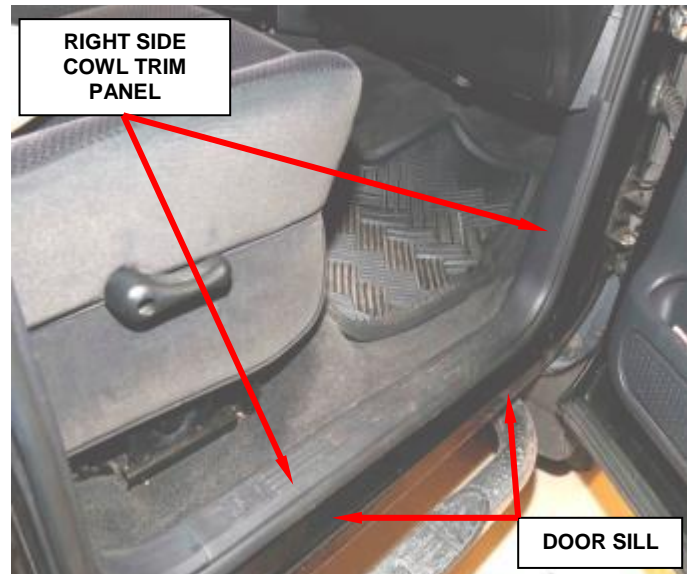
2. Using a trim stick, from the notch on the bottom, remove the right instrument panel side cover (Figure 1).



Figure 1 - Instrument Panel Side Cover

Service Procedure (Continued)

3. Use the following steps to remove the right side cowl trim panel.
 - a. Using a trim stick, disengage the retaining tabs of the cowl trim panel from the retainer clips in the door sill (Figure 2).
 - b. Pull the cowl trim panel rearward and remove it from the vehicle.

**Figure 2 – Right Side Cowl Trim Panel**

4. Use the following steps to remove the glove box:
 - a. Remove and save the glove box contents.
 - b. Release the two glove box stops and lower the glove box downward past the stops (Figure 3).
 - c. Disengage the glove box hinges from the instrument panel and remove the glove box.

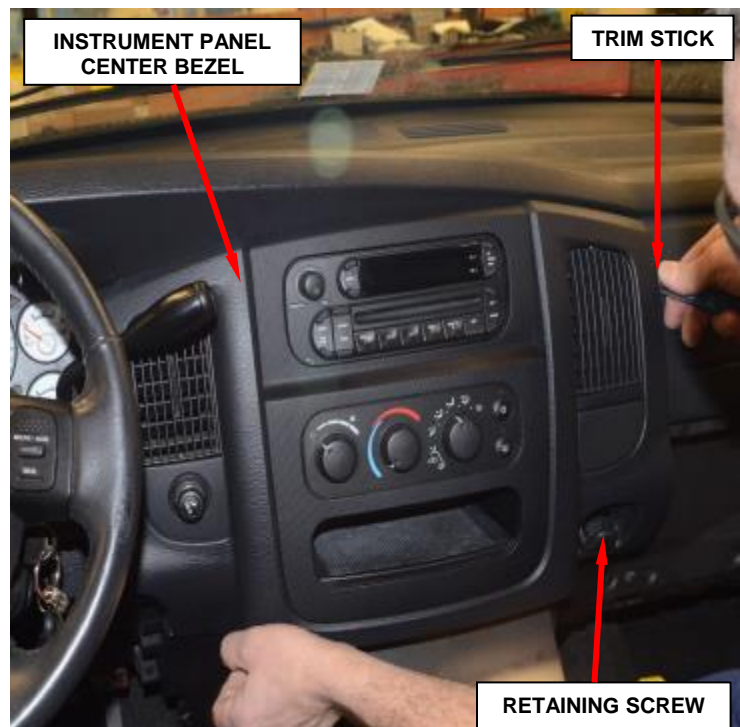
**Figure 3 – Glove Box**

Service Procedure (Continued)

5. Use the following steps to remove the center bezel.
 - a. Remove the two lower screws from the steering column opening cover then release the two retainer clips that secure the top of the steering column opening cover to the instrument panel and remove the cover (Figure 4).
 - b. Open the ashtray and the cup holder.

**Figure 4 – Steering Column Opening Cover**

- c. Remove and save the retaining screw that secures the instrument panel center bezel to the instrument panel (Figure 5).
 - d. Using a trim stick, disengage the retainer clips that secure the instrument panel center bezel to the instrument panel (Figure 5).

**Figure 5 – Instrument Panel Center Bezel**

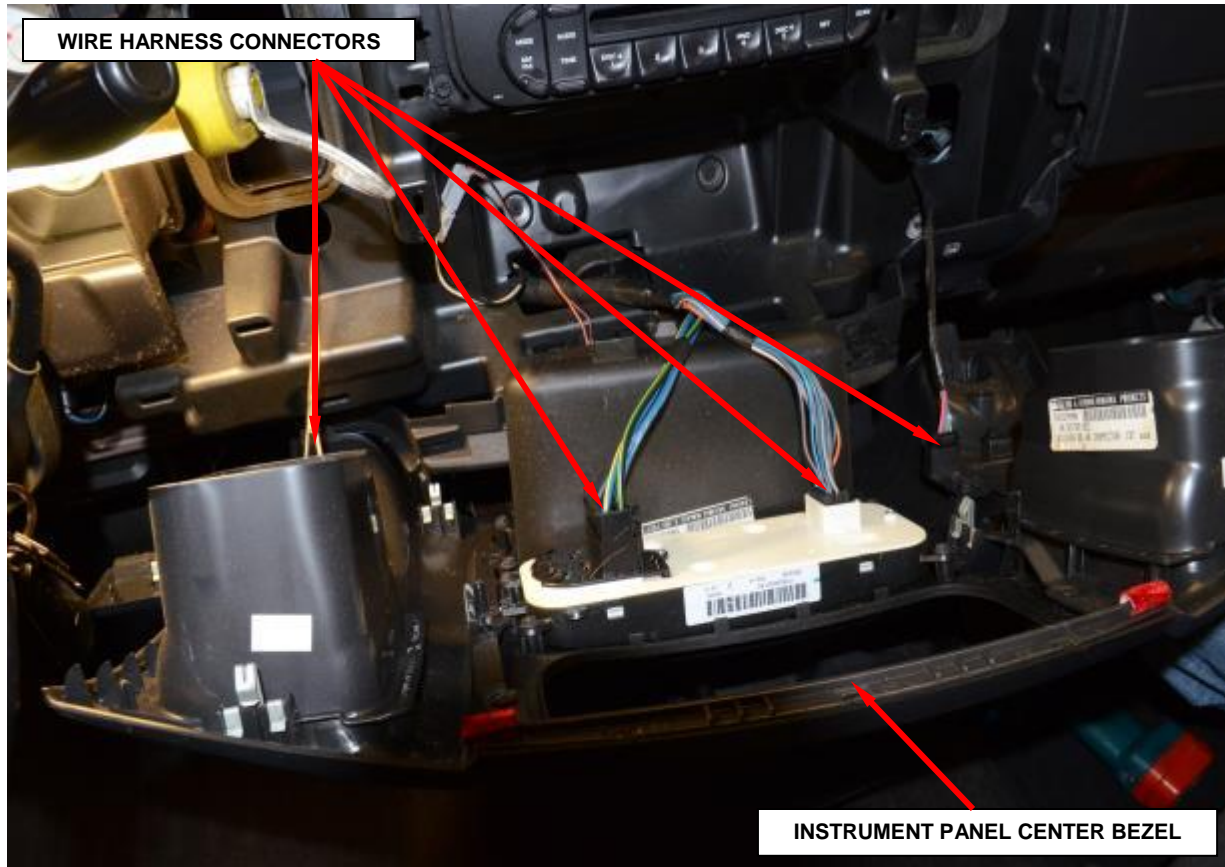
Service Procedure (Continued)

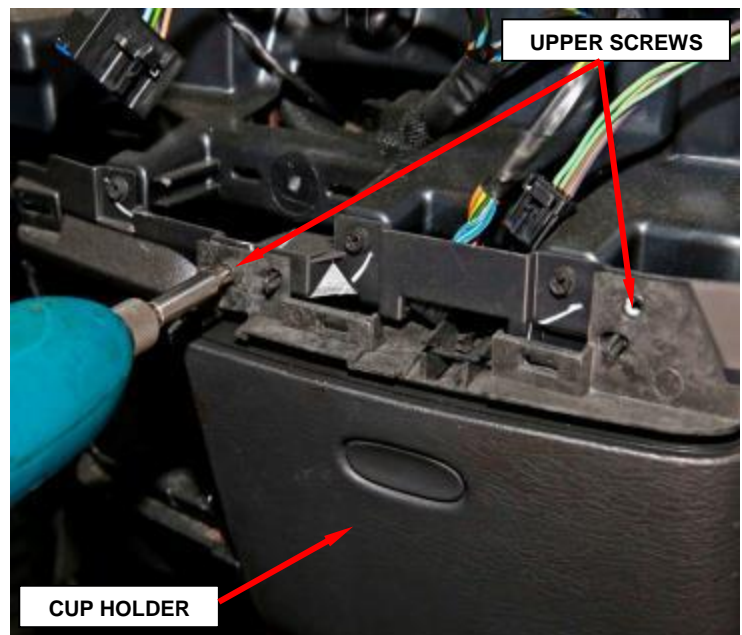
Figure 6 – Center Bezel Wire Harness Connectors

- e. Disconnect the wire harness connectors and remove the instrument panel center bezel from the vehicle (Figure 6).
 - If the vehicle is equipped with a cup holder, continue with **Step 6**.
 - If the vehicle is equipped with a storage bin, continue with **Step 7**.

NOTE: A storage bin replaces the cup holder in the instrument panel when the vehicle is equipped with a floor console and manual transmission.

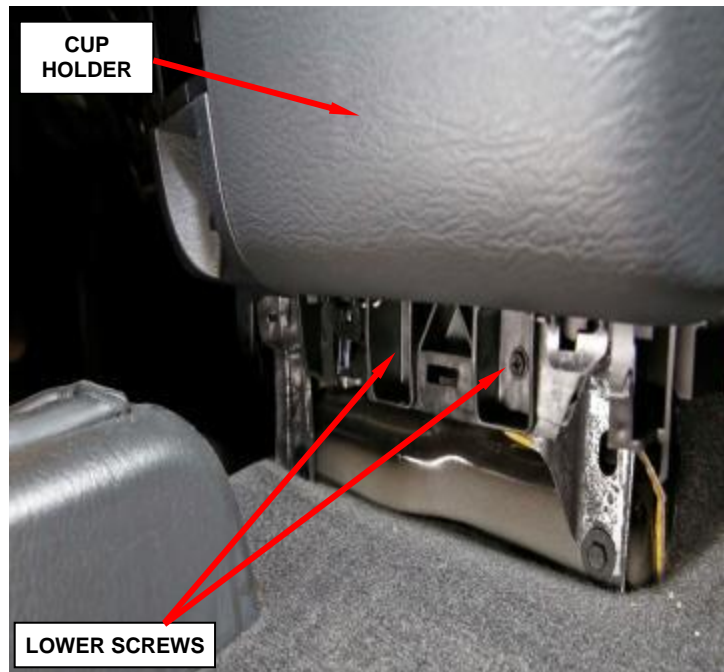
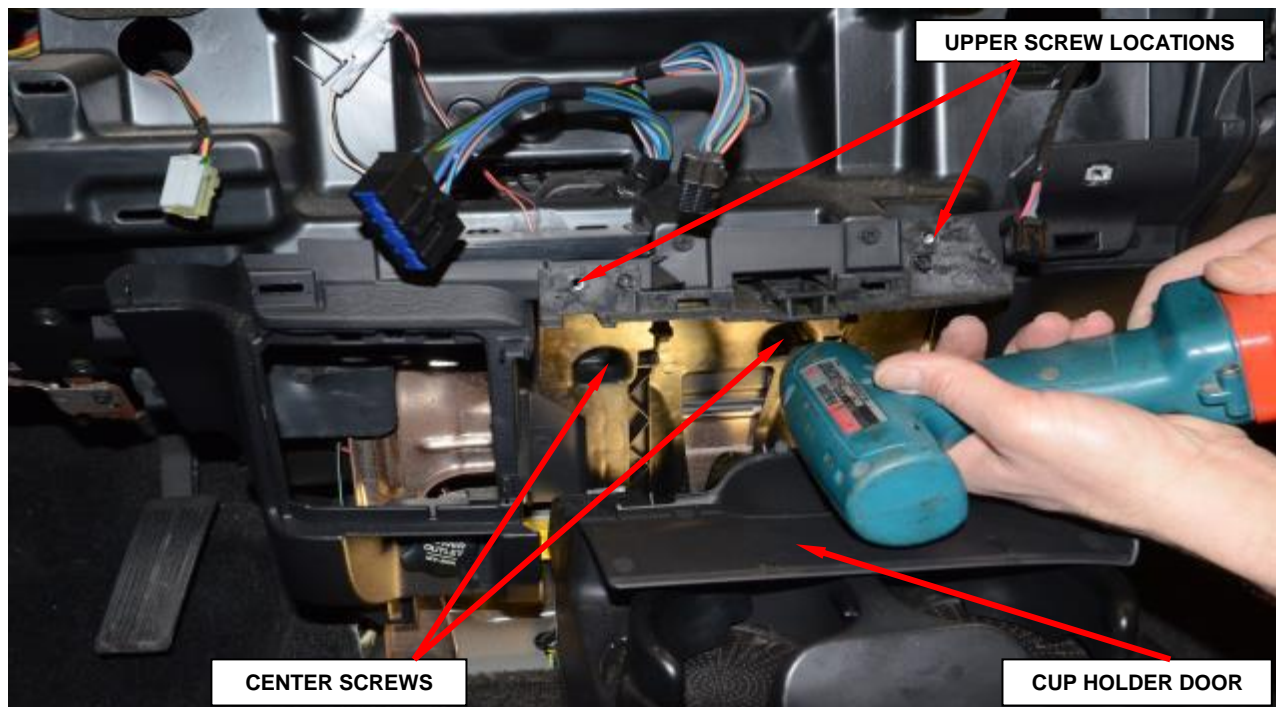
Service Procedure (Continued)

6. Use the following steps to remove the cup holder, if equipped:
 - a. Remove the Airbag Control Module (ACM) cover using a trim stick or another suitable wide flat-bladed tool. Gently pry each side of the ACM cover away from the instrument panel at each side of the center bracket on the floor panel transmission tunnel far enough to disengage the two snap clip retainers from the instrument panel receptacles (Figure 7).
 - b. Remove and save the two upper screws that secure the cup holder to the instrument panel (Figure 8).

**Figure 7 – Airbag Control Module (ACM) Cover****Figure 8 – Upper Cup Holder Screws**

Service Procedure (Continued)

- c. Remove and save the two lower screws that secure the cup holder to the instrument panel (Figure 9).
- d. Open the cup holder and cup holder door then remove and save the two center screws that secure the cup holder to the instrument panel (Figure 10).
- e. Remove the cup holder from the vehicle and continue with **Step 8**.

**Figure 9 – Lower Cup Holder Screws****Figure 10 – Center Cup Holder Screws**

Service Procedure (Continued)

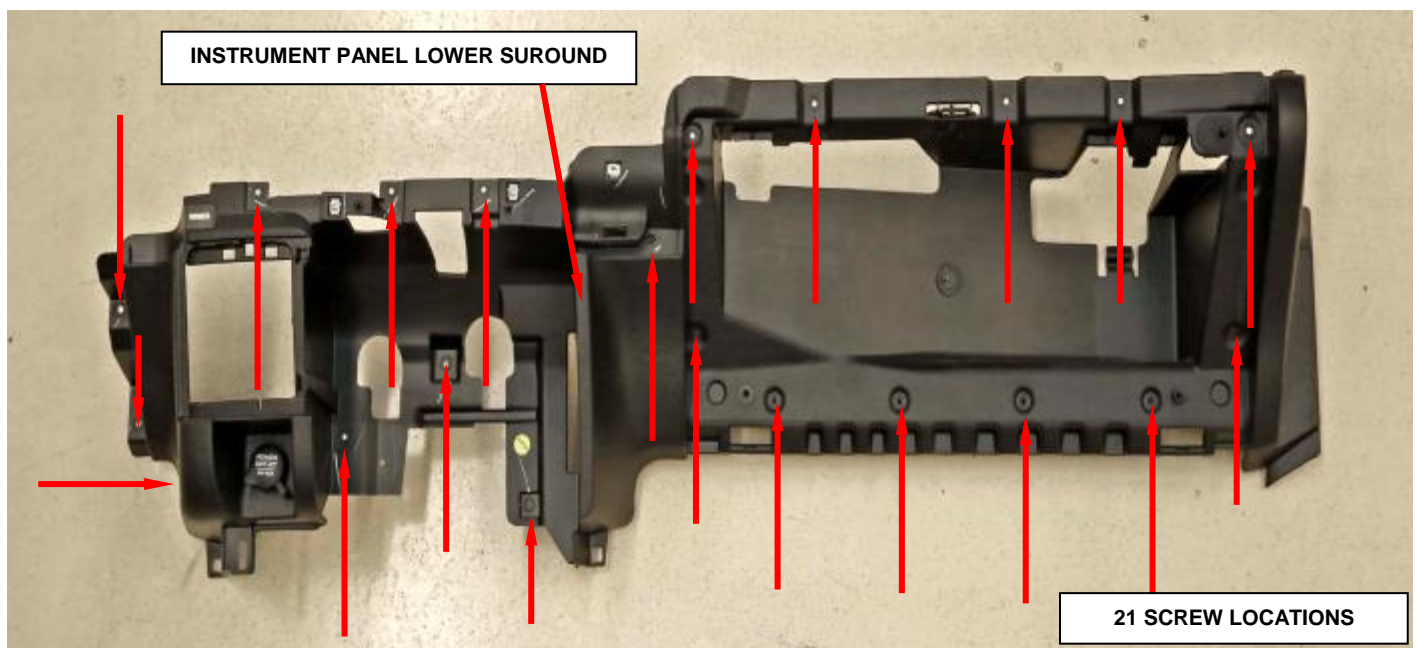
7. Use the following steps to remove the storage bin, if equipped with a manual transmission.
 - a. Remove the 4WD gear shift boot, if equipped.
 - b. Remove the transmission gear shift lever extension, if equipped with a manual transmission.
 - c. Using a trim stick, disengage the retaining tabs that secure the manual transmission gear shift boot or storage bin (depending on application) to the floor console and remove the boot or storage bin.
 - d. Remove the three inserts from the floor console.
 - e. Remove and save the three bolts that secure the floor console to the floor panel.
 - f. Lift up the rear of the floor console to clear the gear shift lever, if equipped.
 - g. Slide the floor console rearward and remove it from the instrument panel.
 - h. Remove and save the four screws that secure the storage bin to the instrument panel and remove the storage bin.

Service Procedure (Continued)

8. Use the following steps to remove the ash receiver:
 - a. Open the ash receiver and apply force in a downward motion to disengage the locking tabs from the instrument panel.
 - b. Roll the ash receiver further downward and remove it from the instrument panel.

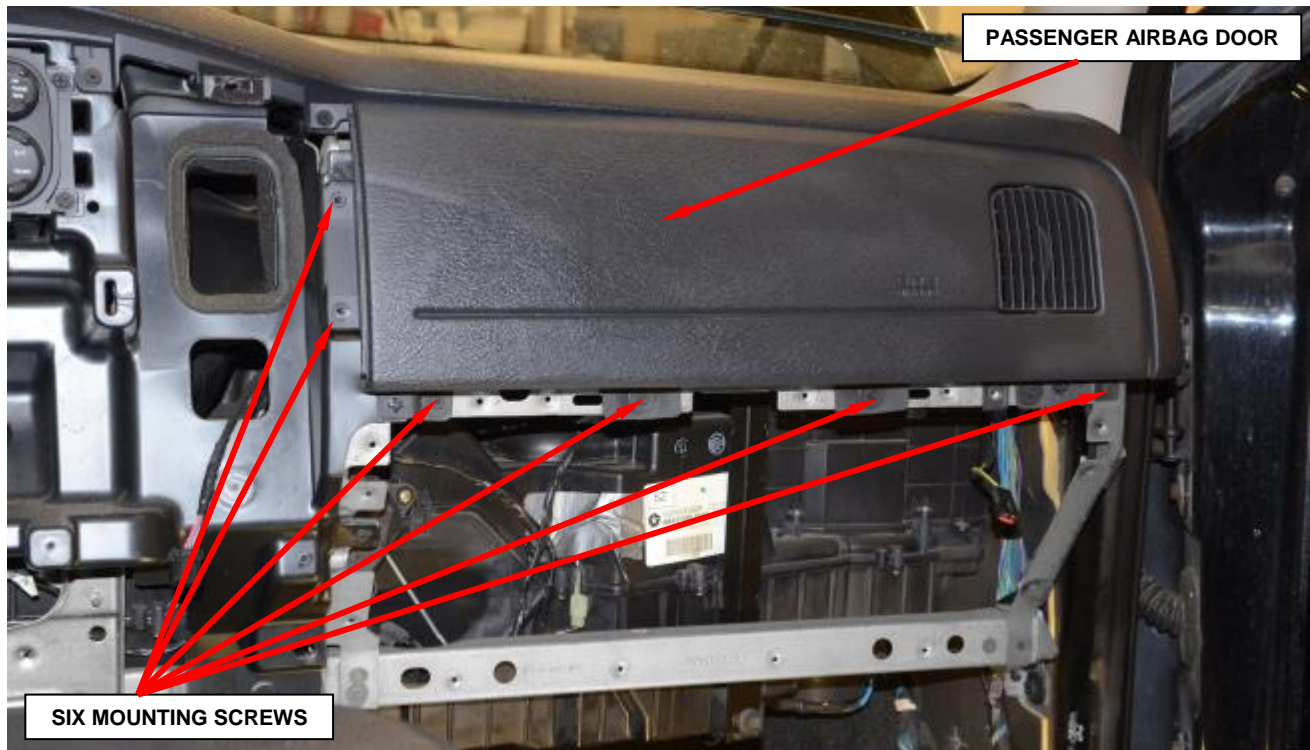
**Figure 11 – Instrument Panel Lower Surround**

9. Remove and save the twenty one screws that secure the instrument panel lower surround to the instrument panel and support (Figure 11 and 12).

**Figure 12 - Instrument Panel Lower Surround Screw Locations**

Service Procedure (Continued)

10. Disconnect the wire harness connectors for the 12V power outlet and the glove box switch then remove the instrument panel lower surround.
11. Remove and save the screw that secures the mounting tab of the panel outlet housing to the upper glove box opening reinforcement (Figure 13).
12. Remove and save the six mounting screws that secure the inboard and lower flanges of the passenger airbag door to the instrument panel (Figure 14).

**Figure 13 – Panel Outlet Housing Mounting Tab****Figure 14 – Passenger Airbag Door Mounting Screws**

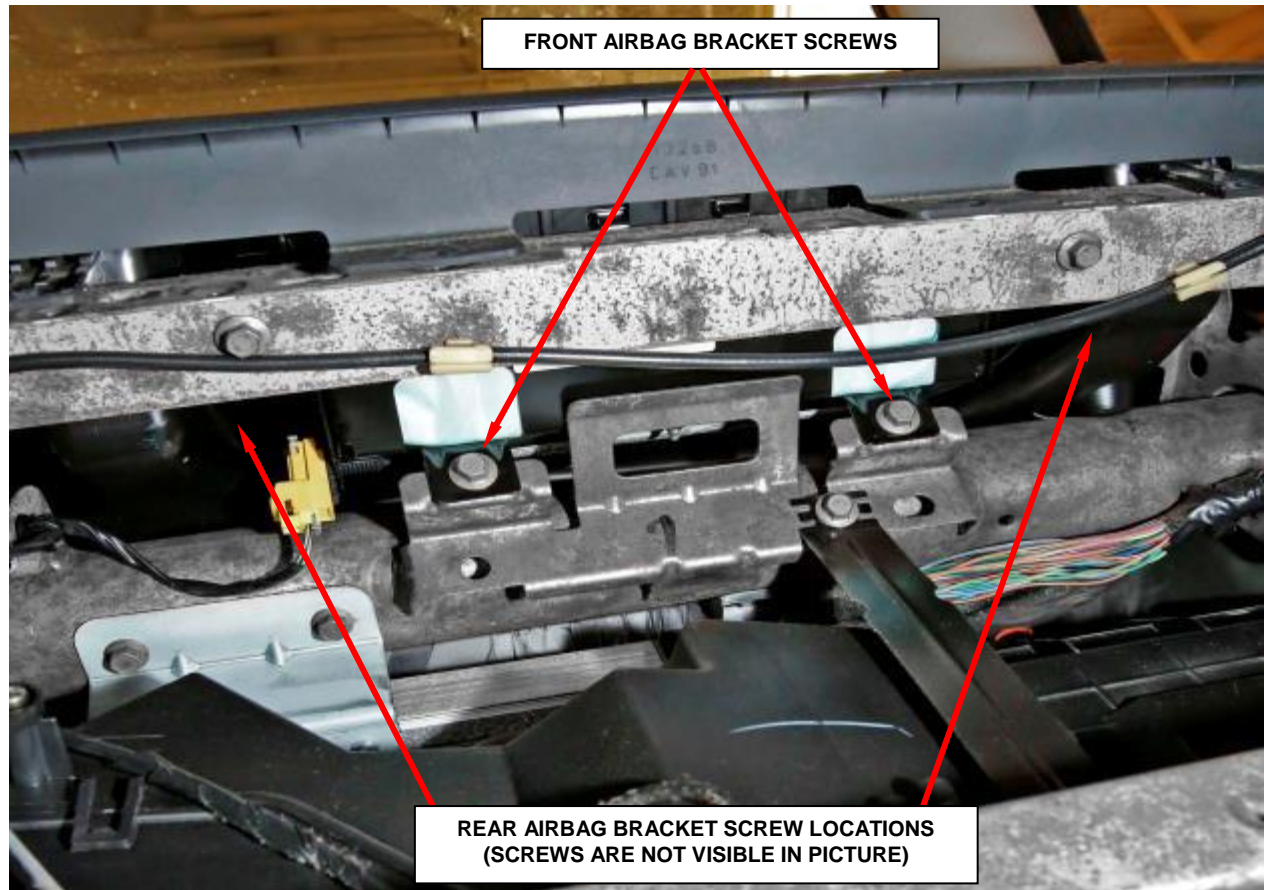
Service Procedure (Continued)

Figure 15 – Passenger Airbag Bracket Screws

13. Reach through and above the glove box opening to access and remove the two screws that secure the passenger airbag rear brackets to the upper glove box opening reinforcement (Figure 15).
14. Reach through and above the glove box opening to access and remove the two screws that secure the passenger airbag front brackets to the instrument panel structural support (Figure 15).

Service Procedure (Continued)

15. Using a trim stick or another suitable wide flat-bladed tool, gently pry the upper and outboard edges of the passenger airbag door away from the instrument panel far enough to disengage the seven snap features on the door from the receptacles in the instrument panel base trim (Figure 16).
16. Pull the passenger airbag housing and door assembly straight back from the instrument panel far enough to access the instrument panel wire harness take out and connector for the airbag located on the inboard side of the airbag assembly (Figure 16).

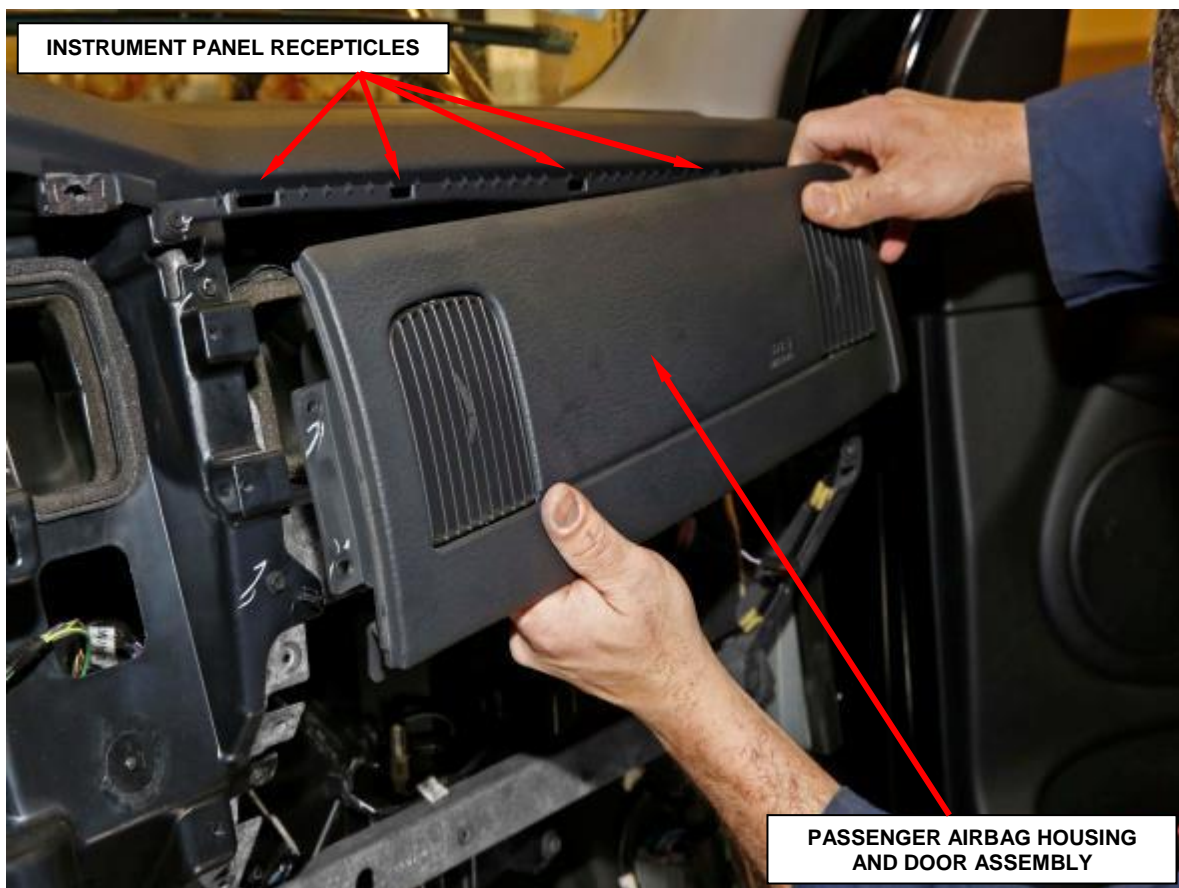


Figure 16 – Passenger Airbag Housing and Door Unit

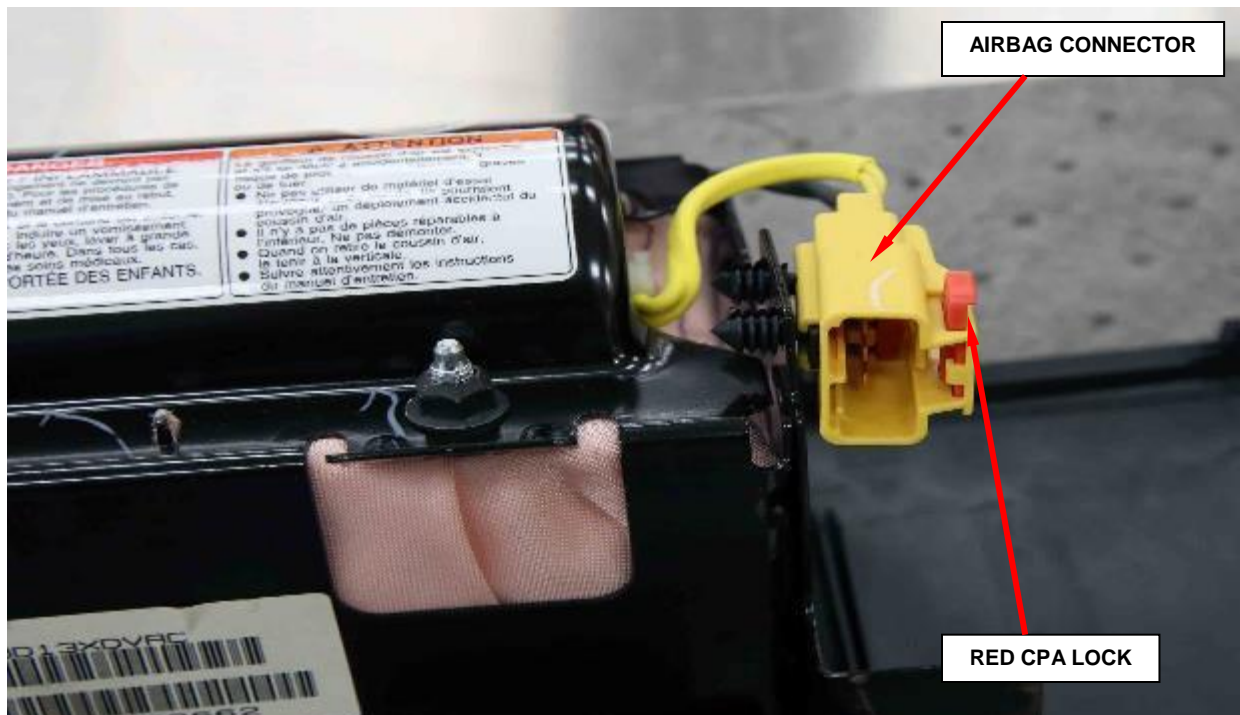
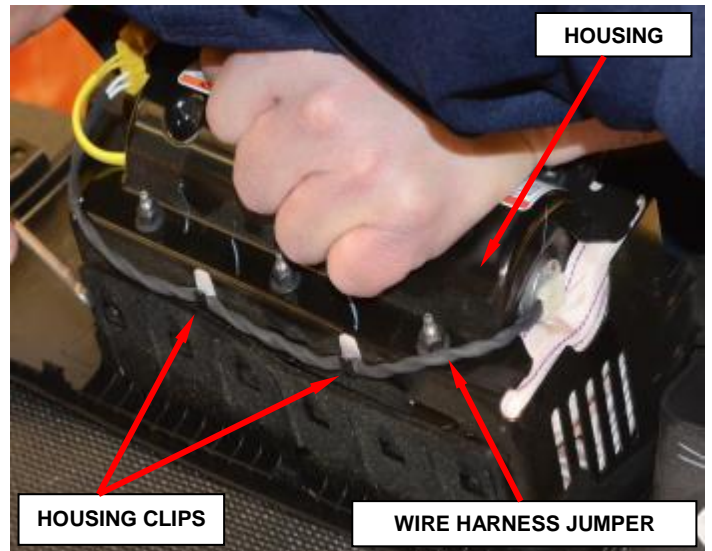
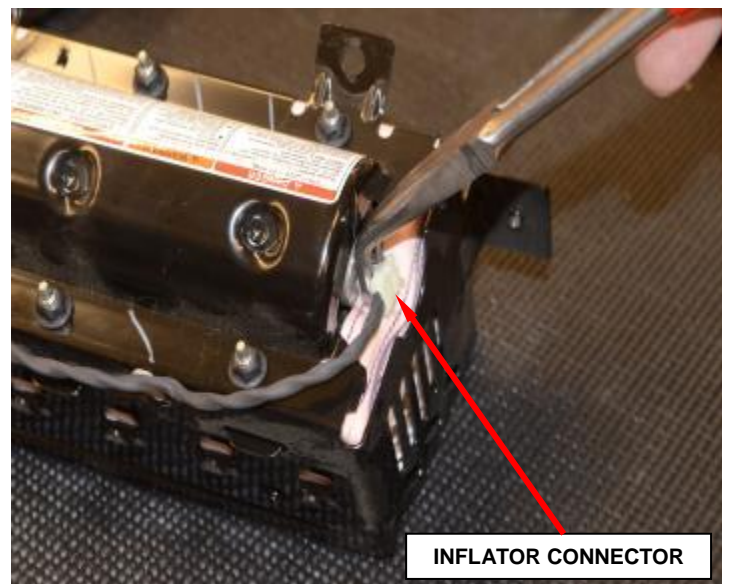
Service Procedure (Continued)

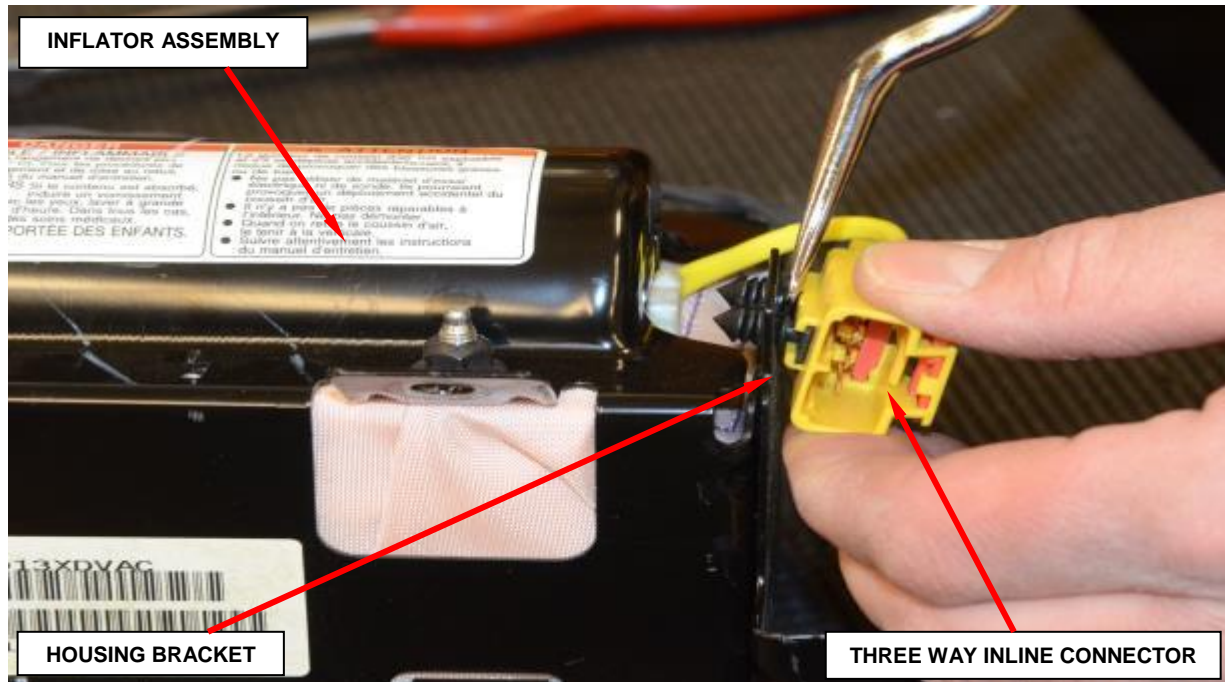
Figure 17 – Passenger Airbag Connector

17. Use the following steps to disconnect the passenger airbag pigtail wire harness connector from the instrument panel wire harness connector for the airbag.
 - a. If equipped, slide the red Connector Position Assurance (CPA) lock on the connector toward the side of the connector (Figure 17).
 - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.
18. Remove the passenger airbag and airbag door from the instrument panel as a unit.

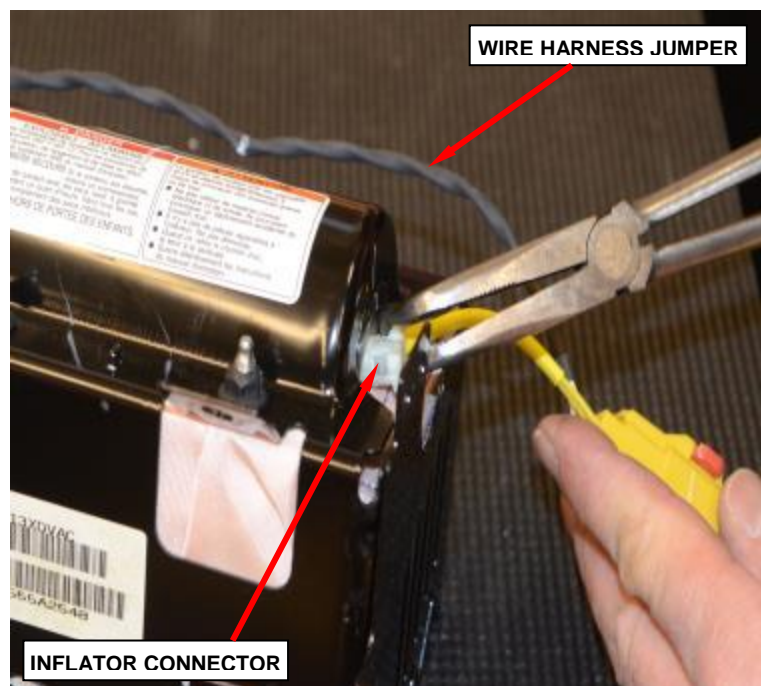
Service Procedure (Continued)

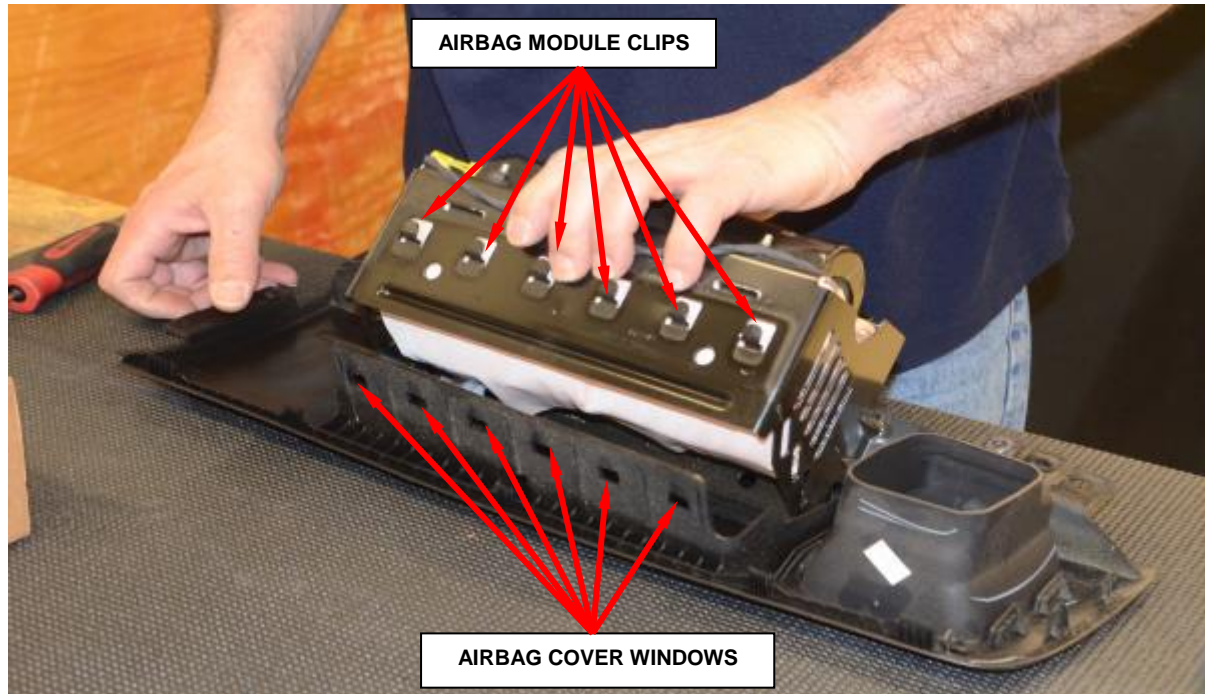
19. Use the following procedure to retrofit the passenger side airbag assembly (2004 through 2005 DR and 2005 DH models only).
 - a. Place the passenger airbag assembly on a soft surface to prevent damage.
 - b. Disengage the wire harness jumper from the housing clips in two places (Figure 18).
 - c. Disconnect the first inflator connector from the end of the inflator using pliers (Figure 19).

**Figure 18 - Wire Harness Clips****Figure 19 – Inflator Connector**

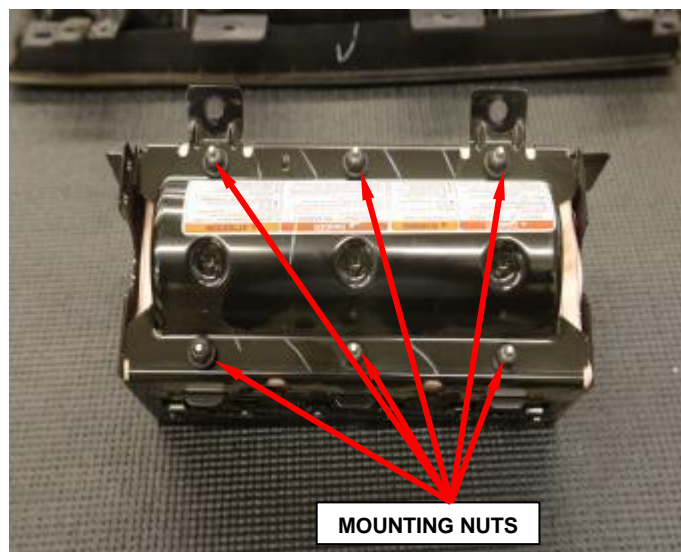
Service Procedure (Continued)**Figure 20 – Yellow Three Way Connector**

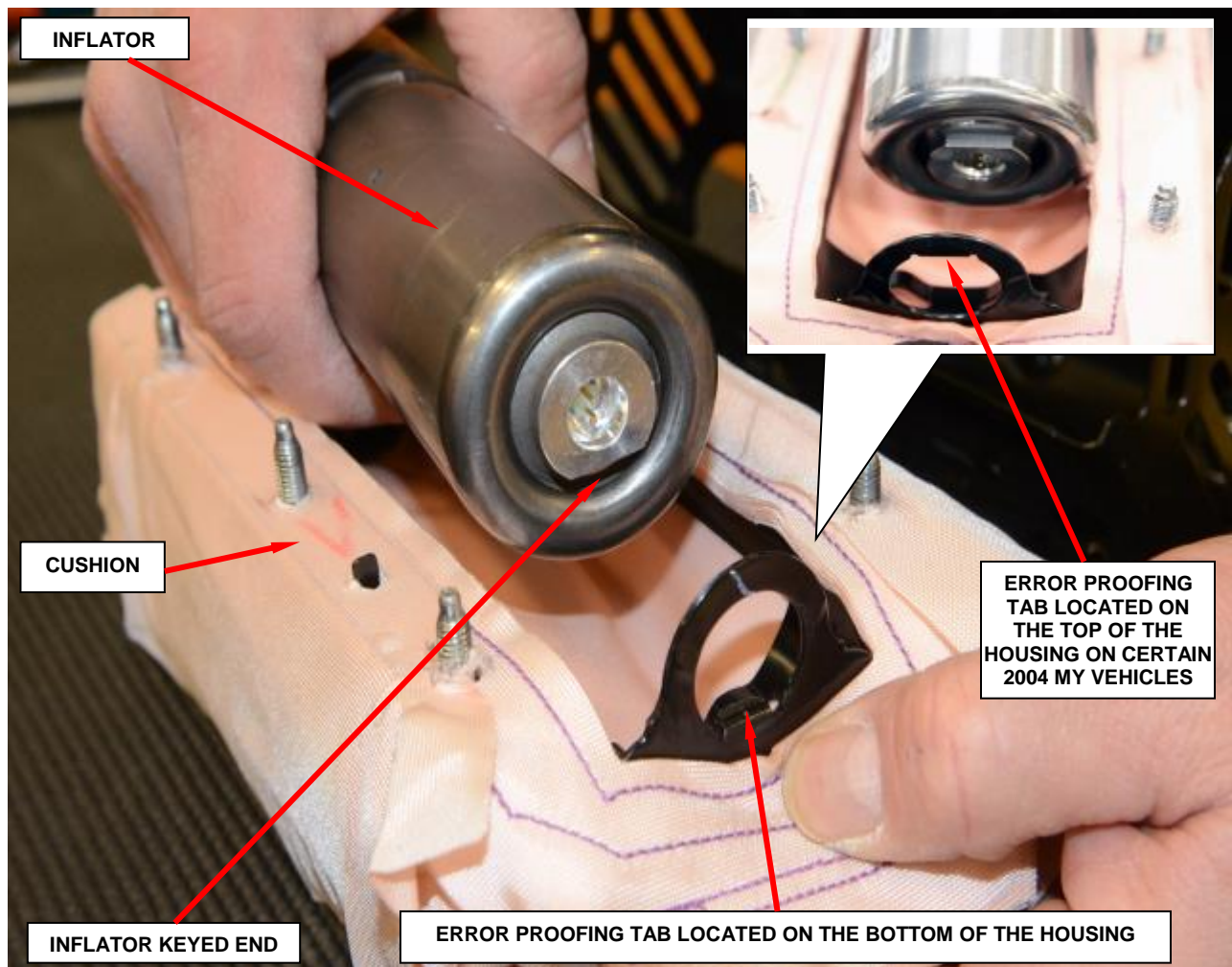
- d. Remove the yellow three way inline connector from the housing bracket (Figure 20).
- e. Disconnect the second inflator connector from the end of the inflator using pliers (Figure 21).
- f. Remove and discard the wire harness jumper (Figure 21).

**Figure 21 – Inflator Connector**

Service Procedure (Continued)**Figure 22 – Airbag Cover Clips**

- g. Disengage the airbag module clips from the airbag cover windows on all sides (Figure 22).
- h. Remove the airbag module from the airbag cover once the cover clips are disengaged.
- i. Remove and discard the six mounting nuts (Figure 23).

**Figure 23 – Six Mounting Nuts**

Service Procedure (Continued)**Figure 24 – Inflator to Cushion**

- j. Slide the cushion out of the housing and remove the inflator.
NOTE: Use care as to not disturb the cushion fold.
- k. Install the **new** inflator to the cushion noting keyed end alignment (Figure 24).

NOTE: Ensure proper inflator fit. Note error proofing tab when reassembling to cushion (Figure 24).

NOTE: Certain 2004 model year vehicles have the error proofing tab on the top of the housing as shown (Figure 24).

Service Procedure (Continued)

1. Install the cushion/inflator assembly into housing while feeding the wire harness jumper through the housing as shown. Ensure cushion fold is not disturbed (Figure 25).

NOTE: Ensure proper inflator assembly fit. Note error proofing tab when reassembling to cushion (Figure 26).

NOTE: PSAN inflators will have a White stripe and GuNi inflators will have a Blue stripe.

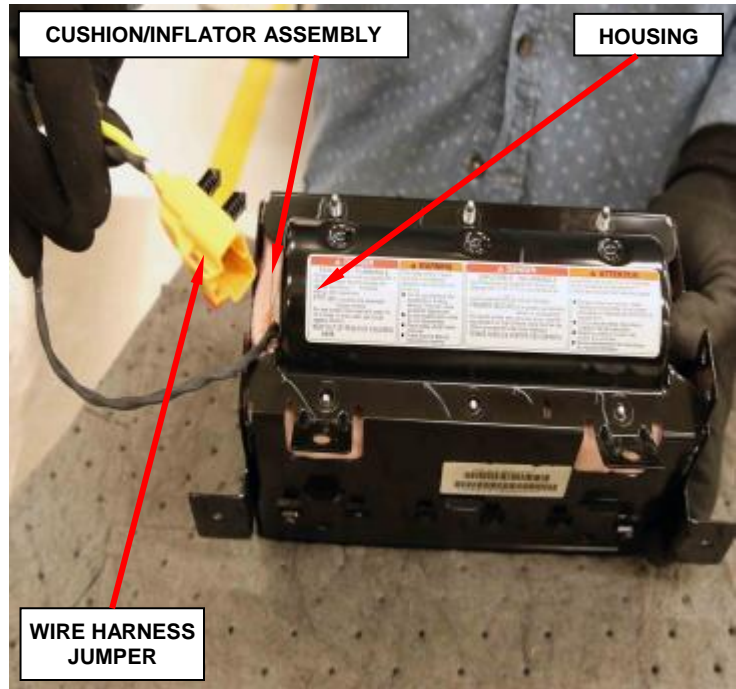


Figure 25 – Cushion/Inflator Assembly

- m. Install the six **new** mounting nuts and tighten to 88 in. lbs. (10 N·m) (Figure 26).

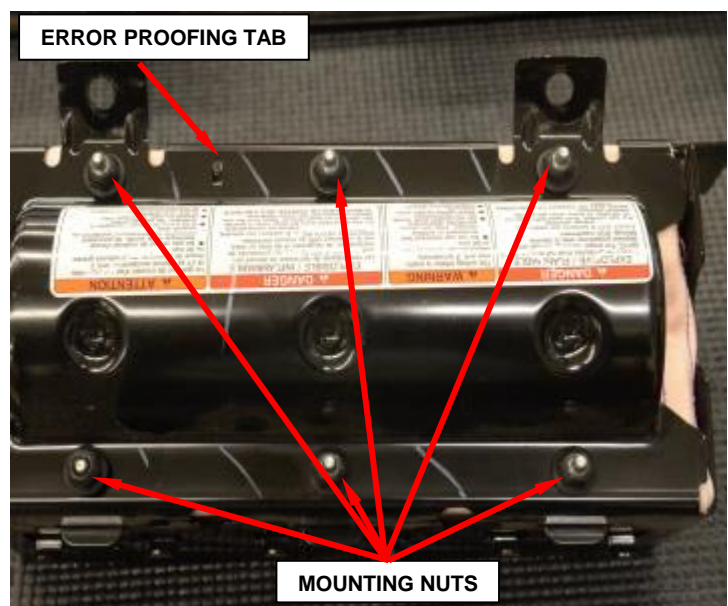


Figure 26 – Mounting Nuts

Service Procedure (Continued)

- n. Connect the yellow inflator wire connector (Figure 27).

NOTE: The yellow inflator wire connectors are oriented in opposite directions depending on the location of the error proofing tab (Figure 27).

- o. Connect the yellow three way inline connector to the mounting points on the housing (Figure 27).

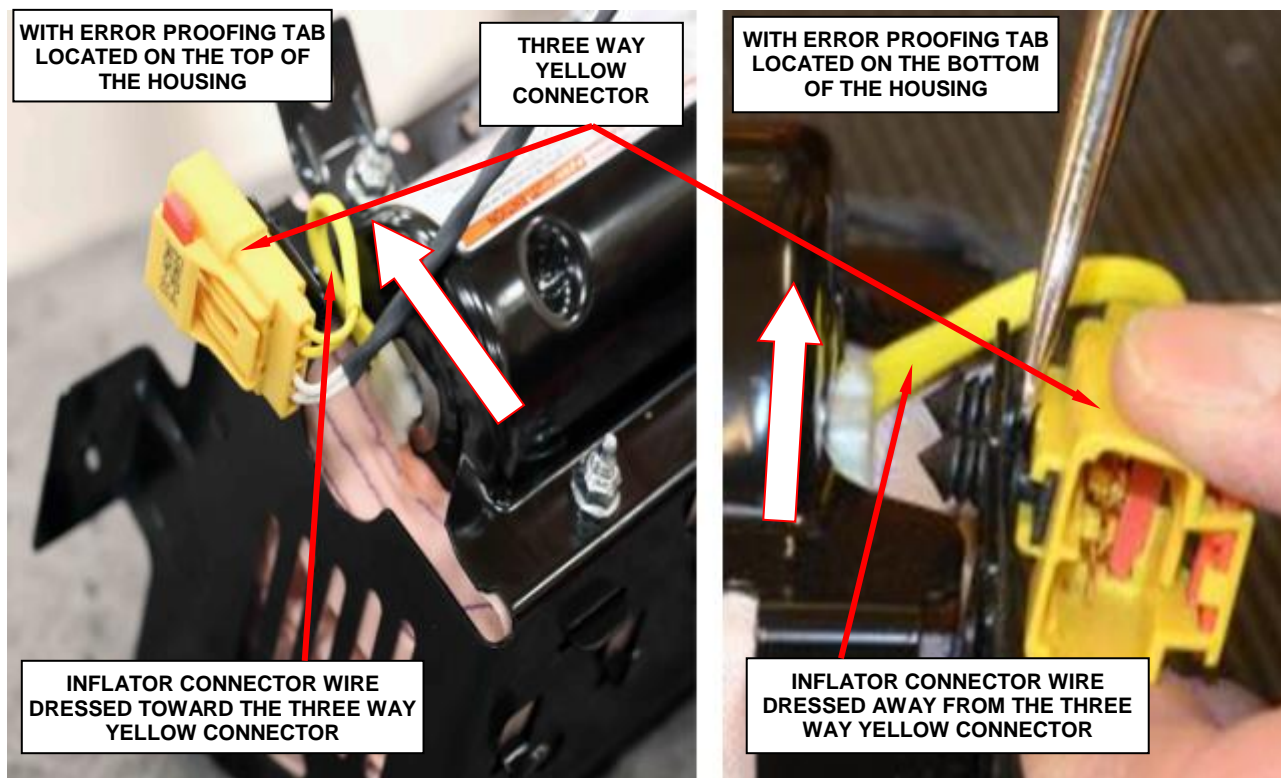


Figure 27 – Inflator Wire Connector

Service Procedure (Continued)

NOTE: The wire harness jumper routing is different depending on the location of the error proofing tab (Figure 28).

- p. Route the wire harness jumper on the housing (Figure 28).
- For vehicles using optional inflator kit number CBXZS431AB, clip the wire harness jumper to the housing in two places (Figure 28).
 - For vehicles using optional inflator kit number CBXZS431AA with the error proofing tab located on the **top** of the housing, route the wire harness jumper to the housing as shown and tape in two places as shown (Figure 28).

NOTE: Use tape part number 68303542AB or equivalent. One 68303542AB patch can be cut into two pieces approximately 1.5 x 4 inches (Figure 28).

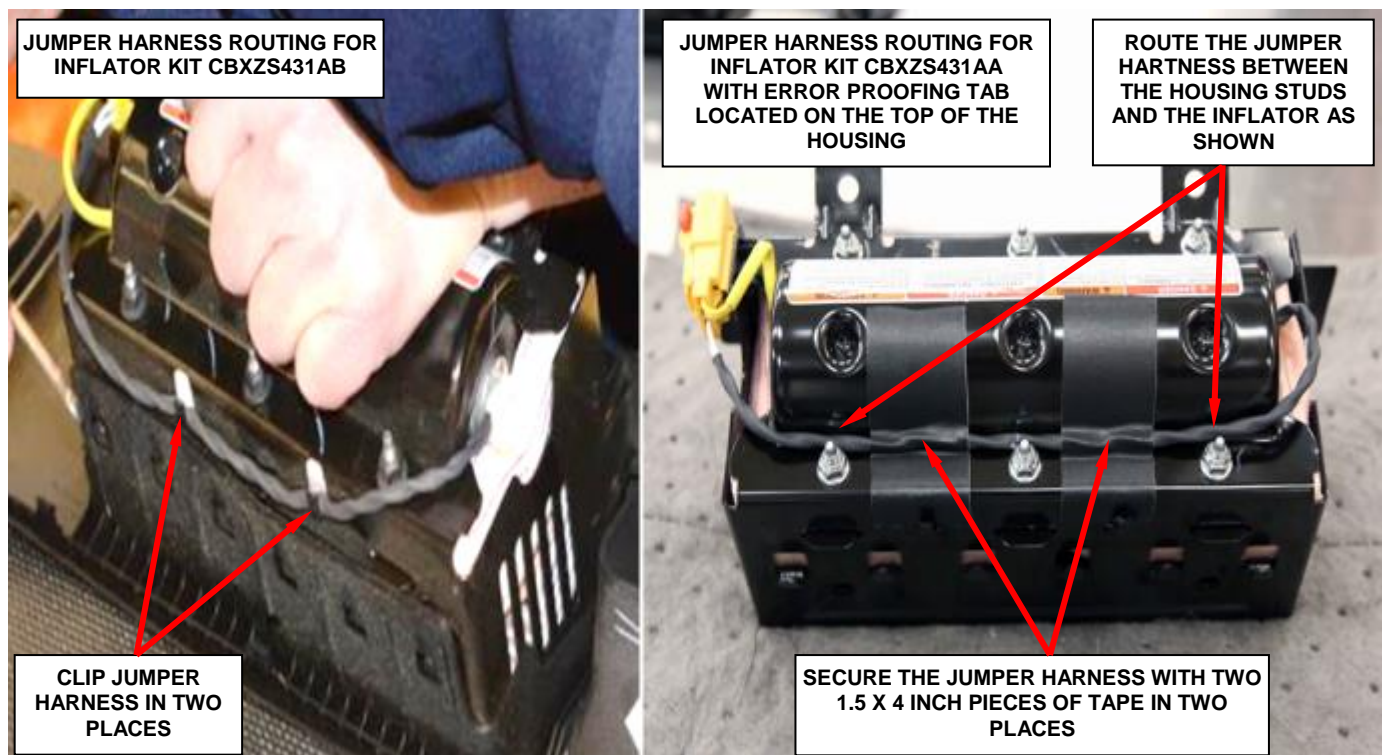


Figure 28 – Wire Jumper Routing

Service Procedure (Continued)

- q. Install the airbag cover to the airbag module ensuring all clips are fully engaged in the windows on both sides (Figure 29).



Figure 29 – Airbag Cover and Airbag Module

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, the trim bezel on the lower edge of the passenger airbag door on SRT-10 models must never be removed or transferred to another passenger airbag door. Replacement passenger airbag units are serviced with doors that include a replacement trim bezel. Failure to observe this warning could result in trim bezel separation and 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)

20. Carefully position the passenger airbag assembly to the instrument panel as a unit.
21. Connect the passenger airbag pigtail wire connector to the instrument panel wire harness connector for the airbag. This connector is secured to the inboard side of the airbag housing. Be certain that the latch on the connector and the red Connector Position Assurance (CPA) lock, if equipped, are each fully engaged (Figure 17).
22. Position the passenger airbag housing and door unit into the instrument panel.
23. Using hand pressure, press firmly and evenly over each of the seven snap features on the upper and outboard edges of the passenger airbag door until they snap into their receptacles in the instrument panel base trim.
24. Reach through and above the glove box opening to install and tighten the two screws that secure the passenger airbag front brackets to the instrument panel structural support. Tighten the screws to 55 in. lbs. (6 N·m) (Figure 15).
25. Reach through and above the glove box opening to install and tighten the two screws that secure the passenger airbag rear brackets to the upper glove box opening reinforcement. Tighten the screws to 55 in. lbs. (6 N·m) (Figure 15).
26. Install and tighten the six mounting screws that secure the inboard and lower flanges of the passenger airbag door to the instrument panel. Tighten the screws to 20 in. lbs. (2 N·m) (Figure 14).
27. Install and tighten the screw that secures the mounting tab of the panel outlet housing to the upper glove box opening reinforcement. Tighten the screw to 20 in. lbs. (2 N·m) (Figure 13).
28. Position the instrument panel lower surround to the instrument panel and connect the wire harness connectors for the 12V power outlet and the glove box switch.

Service Procedure (Continued)

29. Install the instrument panel lower surround onto the instrument panel and install the twenty one screws. Tighten the screws to 20 in. lbs. (2 N·m) (Figures 11 and 12).
30. Install the cup holder or storage bin, if equipped (Figures 8, 9 and 10).
31. Install the center bezel.
 - a. Connect all electrical connectors (Figure 6).
 - b. Position and gently clip into place.
 - c. Install one screw on right side (Figure 5).
32. Install the ACM cover (Figure 7).
33. Install the ash receiver.
34. Install the steering column opening cover (Figure 4).
35. Install the glove box (Figure 3).
36. Install the right side cowl trim panel (Figure 2).
37. Install the right instrument panel side cover (Figure 1).
38. **Do not connect the battery negative cable at this time. Continue with Section L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**C. Replace Passenger Airbag Inflator: 2006 - 2010DR, 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.

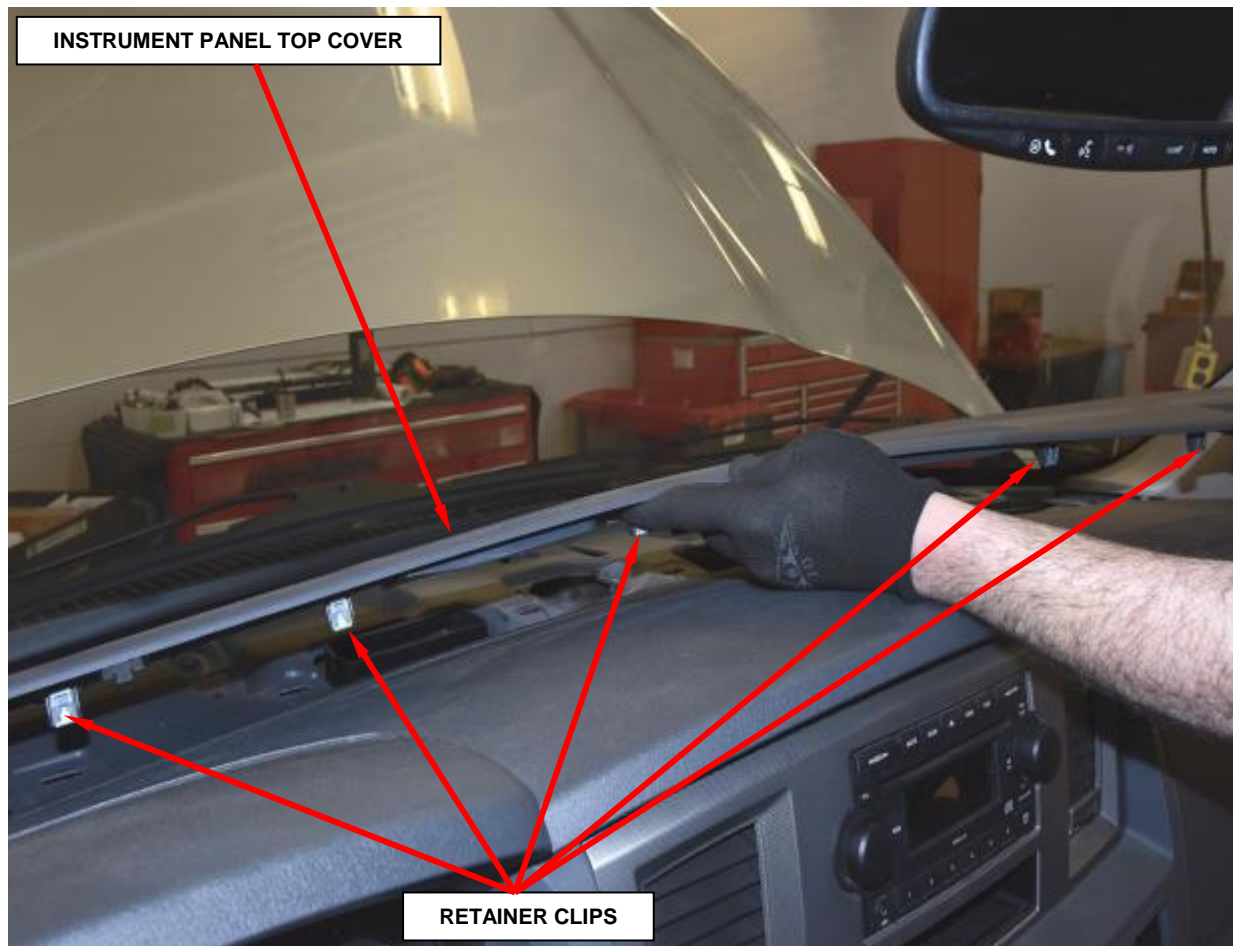
When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

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.

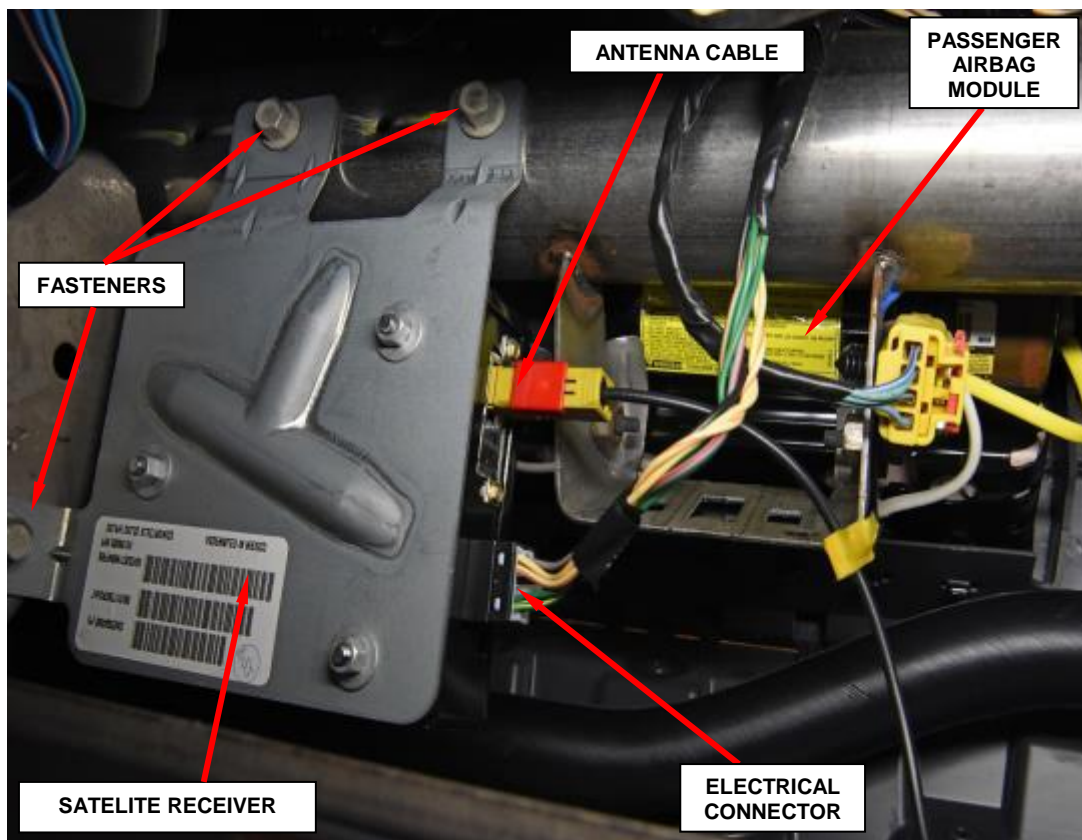
Service Procedure (Continued)

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 30).
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 30 – 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 31).
6. Remove the three mounting fasteners securing the receiver to the bracket if equipped (Figure 31).
7. Remove the satellite receiver, if equipped (Figure 31).



**Figure 31 – 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 32). 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 32).
10. Disengage the airbag inflator pigtail wire connector from the instrument panel airbag support bracket (Figure 32).

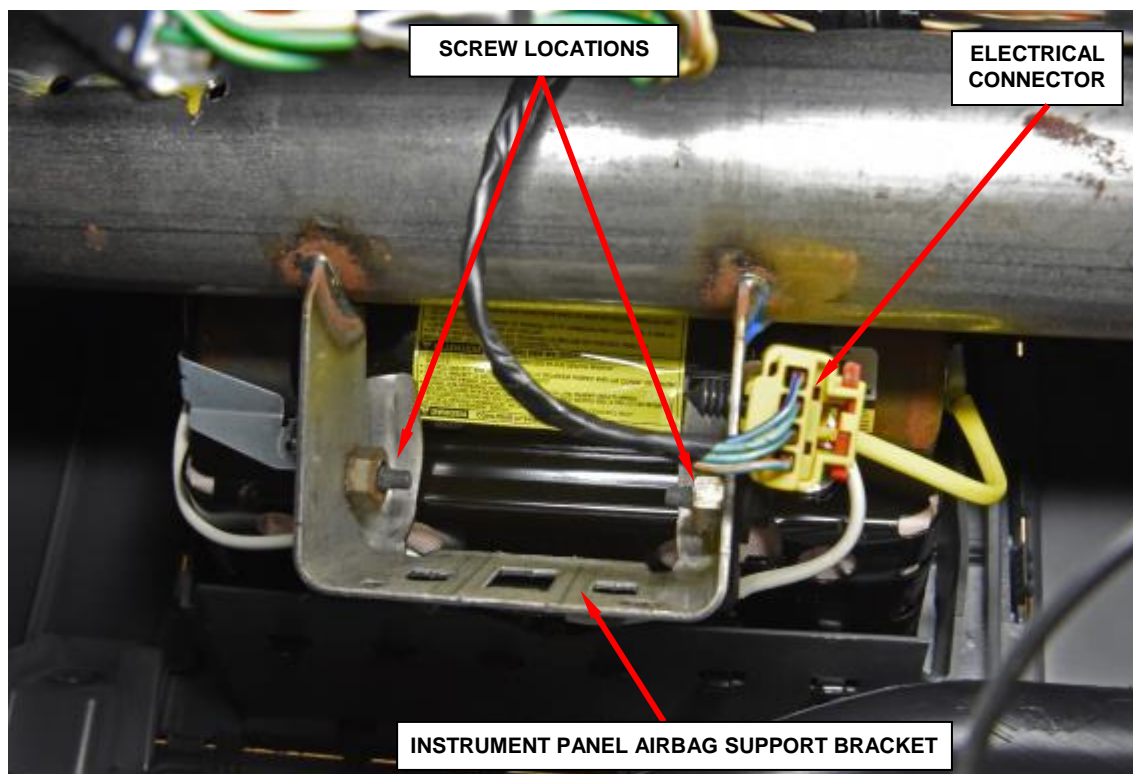
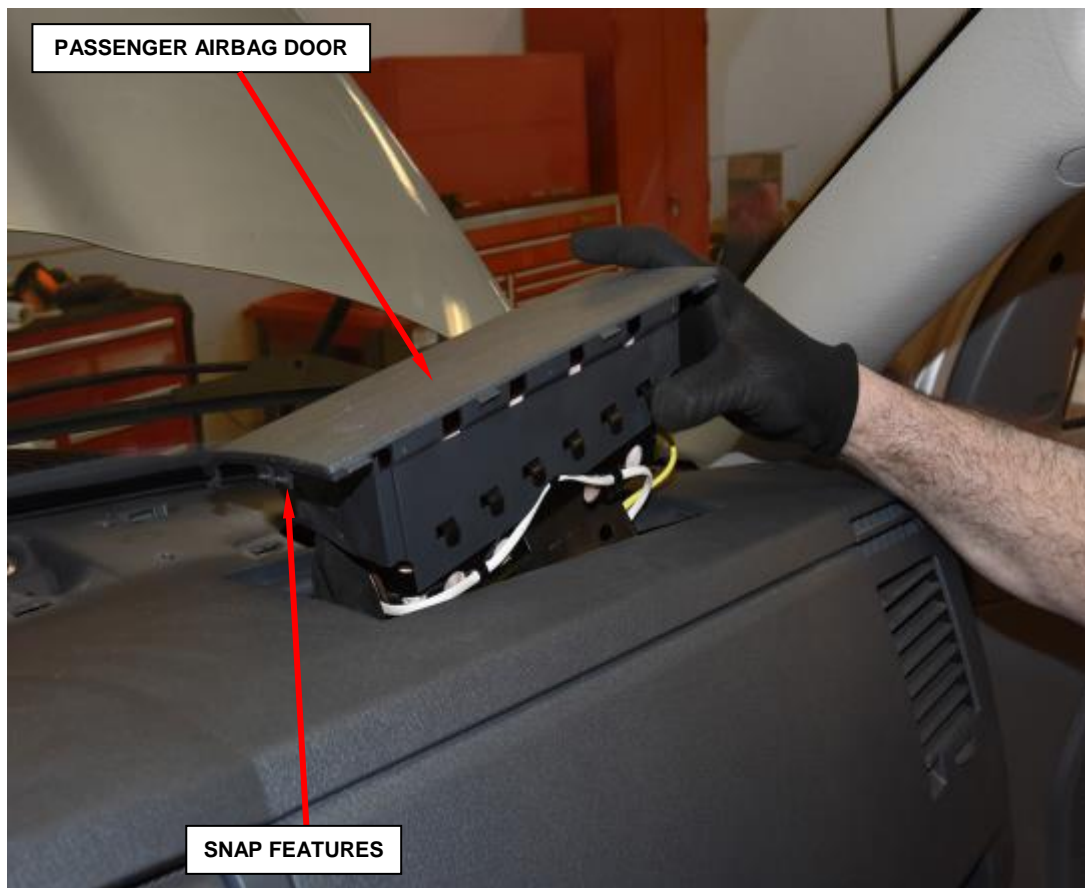


Figure 32 – Airbag Module (View through glove box opening)

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 33).
12. Remove the passenger airbag and airbag door from the instrument panel as a unit.

**Figure 33 – 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.

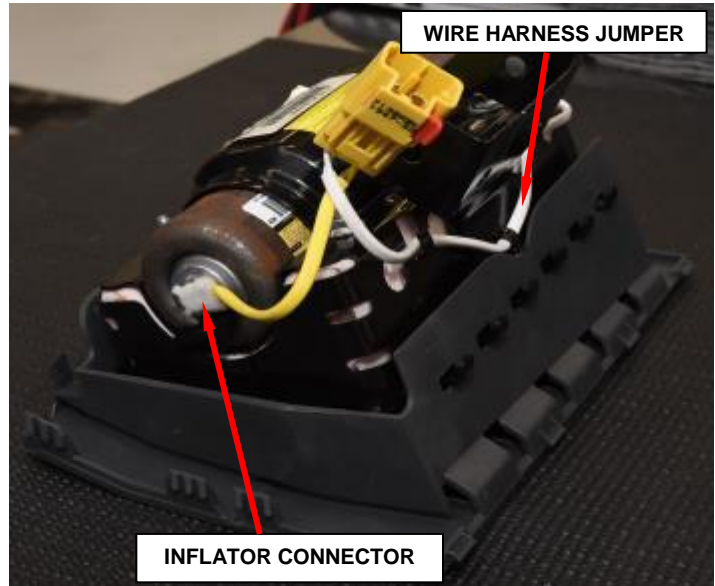


Figure 34 – Inflator Connector

- b. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 34).

- c. Disengage the wire harness jumper from the housing clips in three places (Figure 35).

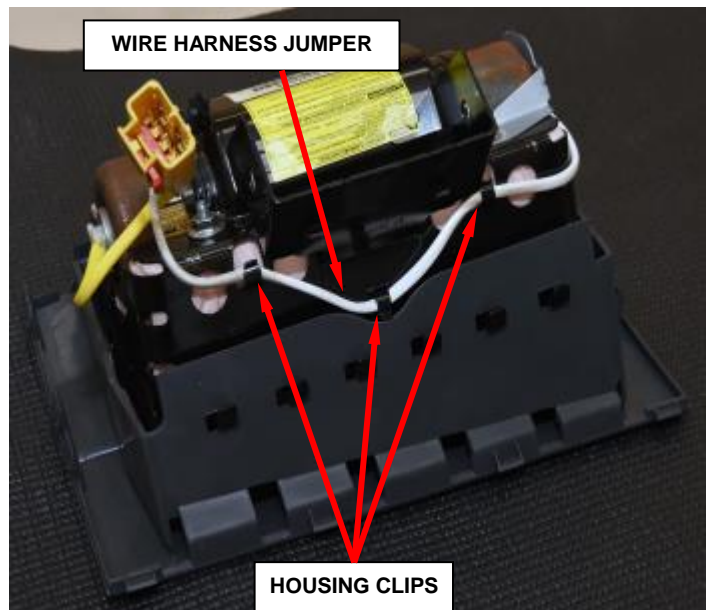
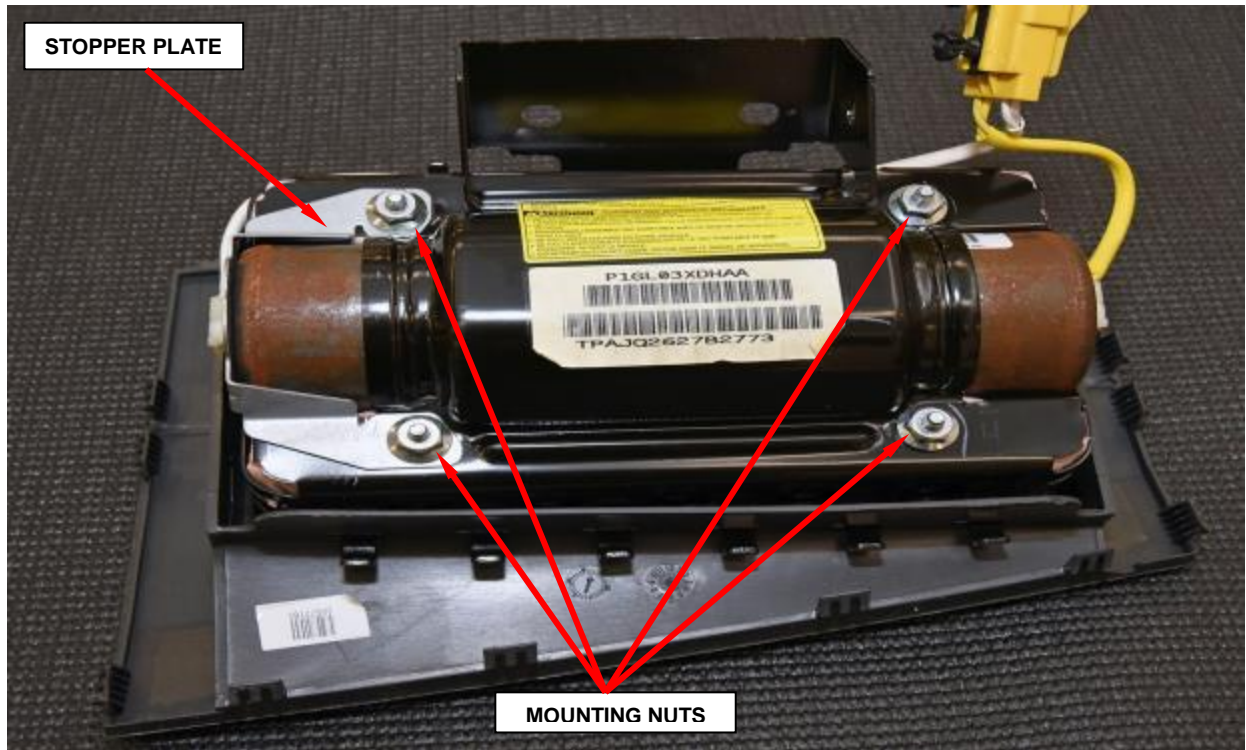
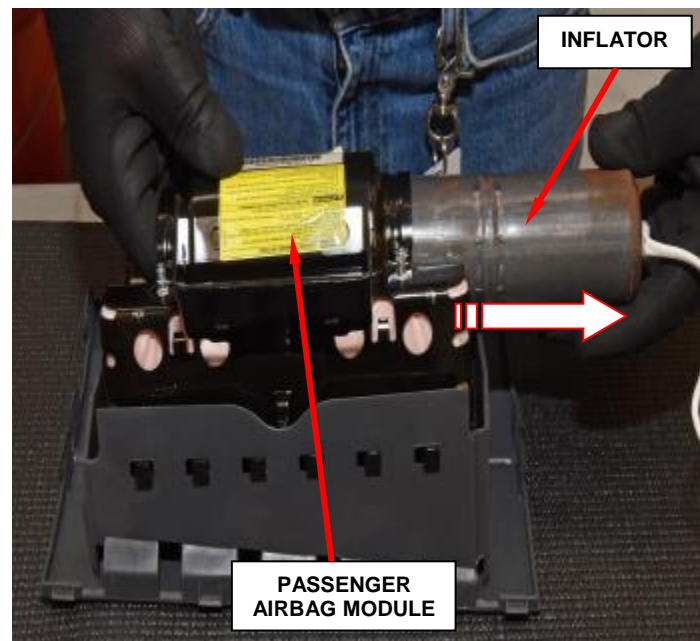


Figure 35 – Wire Harness Jumper

Service Procedure (Continued)**Figure 36 – 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 36).
- e. Slide the inflator out of the passenger airbag module (Figure 37).

**Figure 37 – 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 38).

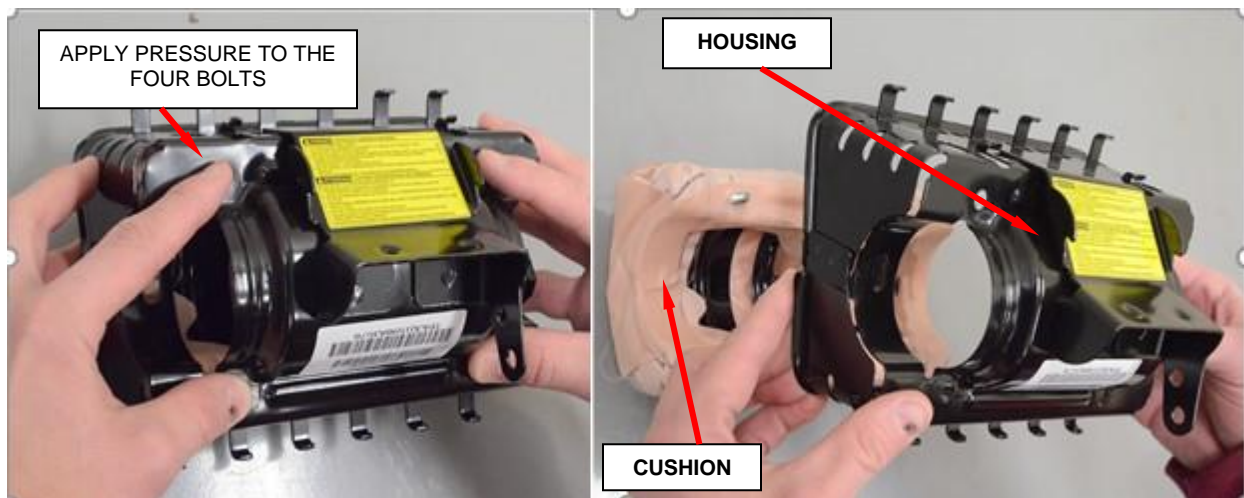


Figure 38 – Remove Airbag Cushion from Housing

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 39).

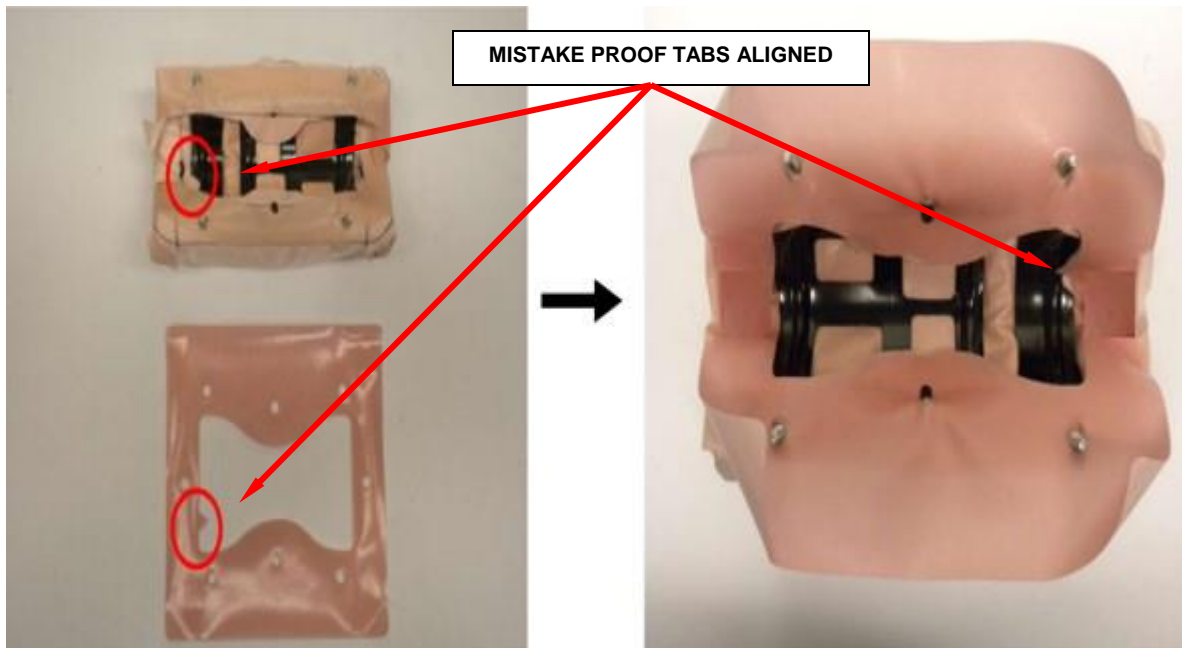


Figure 39 - Fabric Gasket to Cushion (Glossy Side Up)

Service Procedure (Continued)

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

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.

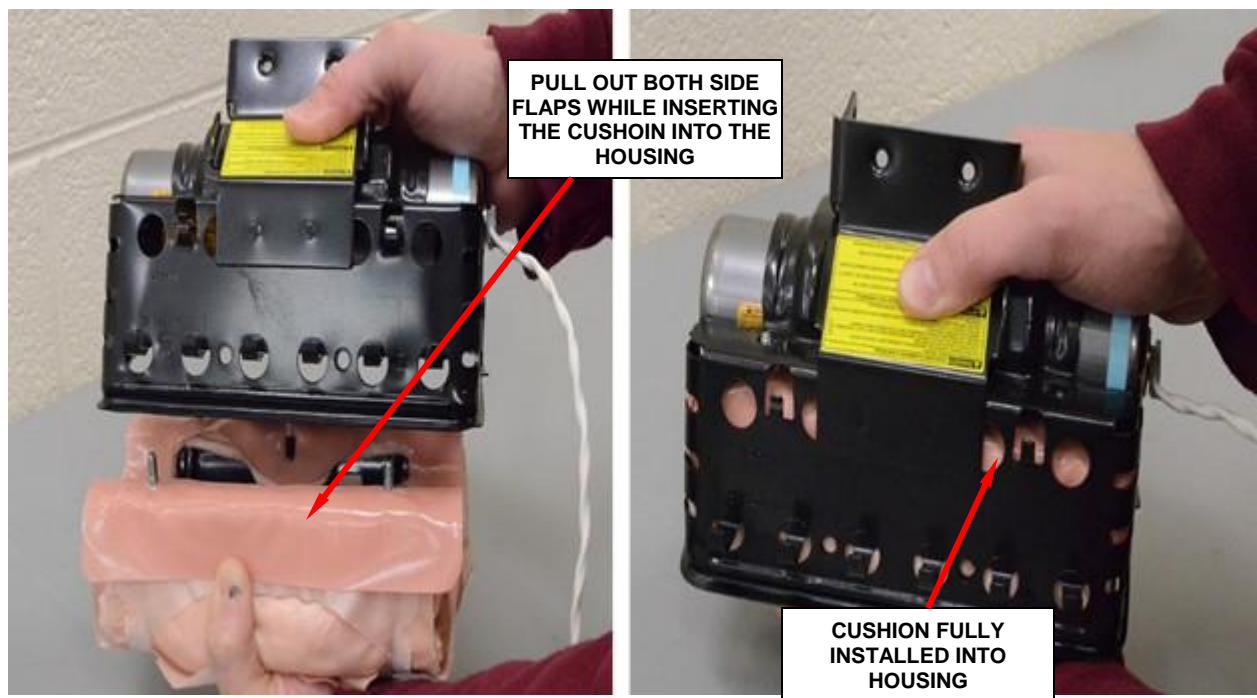


Figure 42 - Side Flaps Must Be Held Out

l. 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 **or** blue stripe on the **NEW** inflator will be located at the open end (Figure 38).

NOTE: The inflator is keyed to fit into the housing (Figure 38).

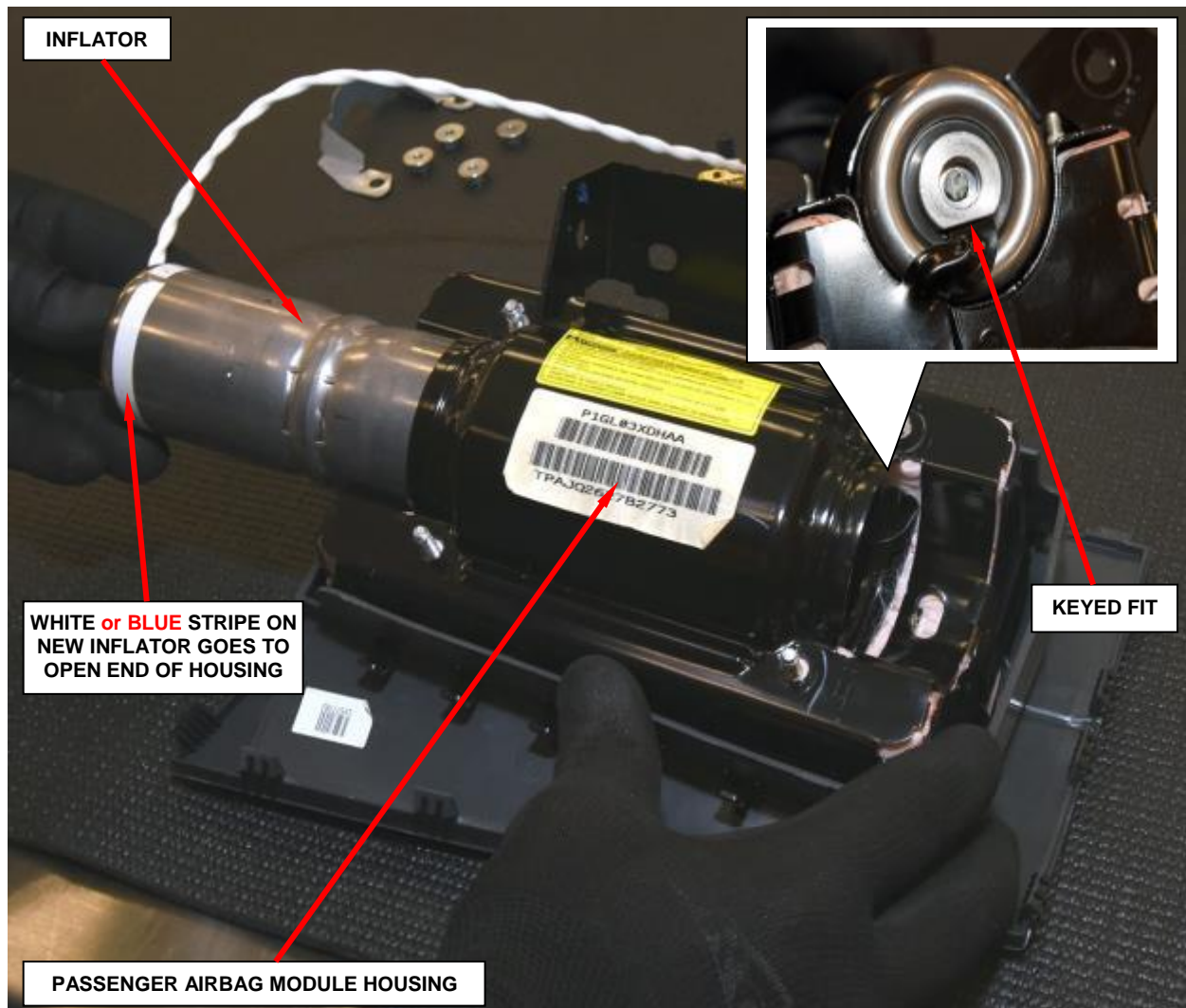


Figure 43 – Passenger Inflator Installation

Service Procedure (Continued)

- o.** Install the stopper plate to the airbag module (Figure 36).
- p.** Install the four **NEW** mounting nuts to the airbag module and tighten to 53 in. lbs. (6 N·m) (Figure 36).
- 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 34).
- r.** Engage the wire harness jumper under the housing clips in three places (Figure 35).
- 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.

Service Procedure (Continued)

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 L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**D. 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.

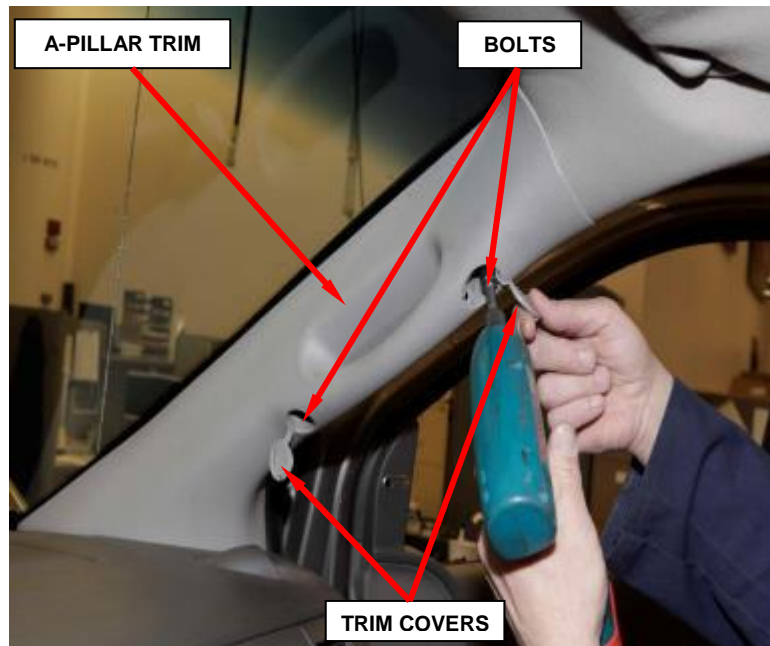
When carrying a non-deployed airbag, the trim cover or airbag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

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 44).
 - c. Remove the passenger side A-pillar trim.
 - d. Using a trim stick, remove the instrument panel defroster grille (Figure 45).
 - e. Disconnect the sun sensor electrical connector from the center of the instrument panel defroster grille.

**Figure 44 – Passenger Side A-Pillar Trim****Figure 45 – 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 46) (Figure 47).

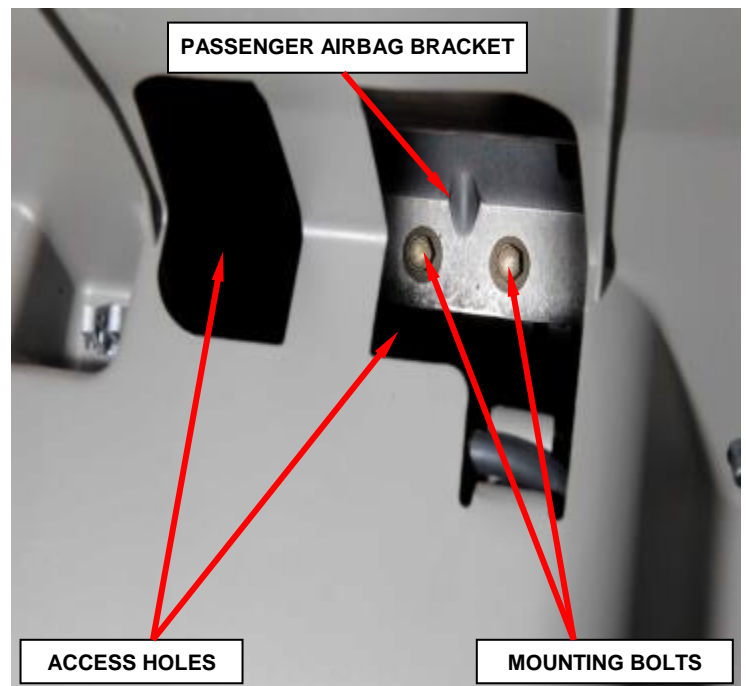


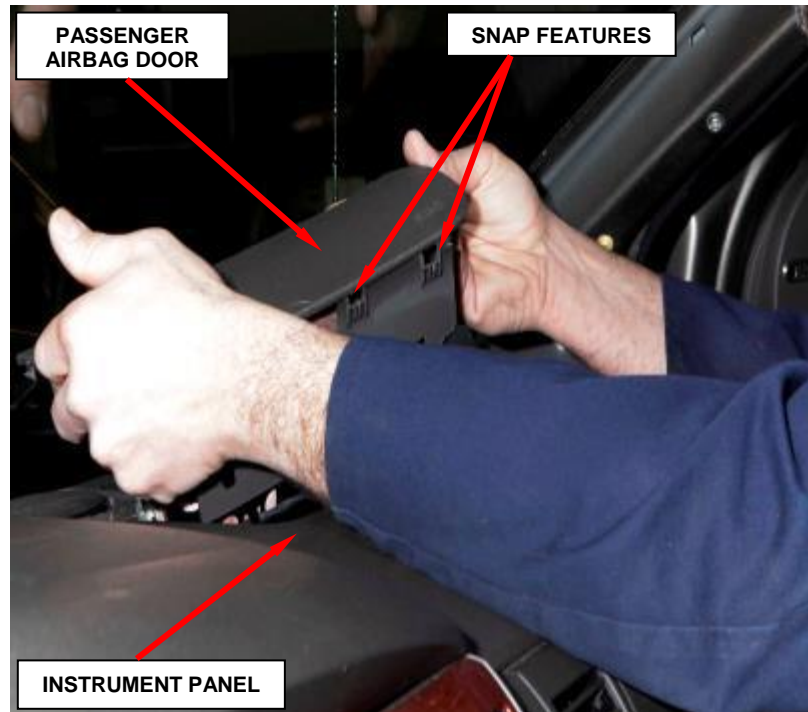
Figure 46 – Airbag Mounting Screws and Bracket



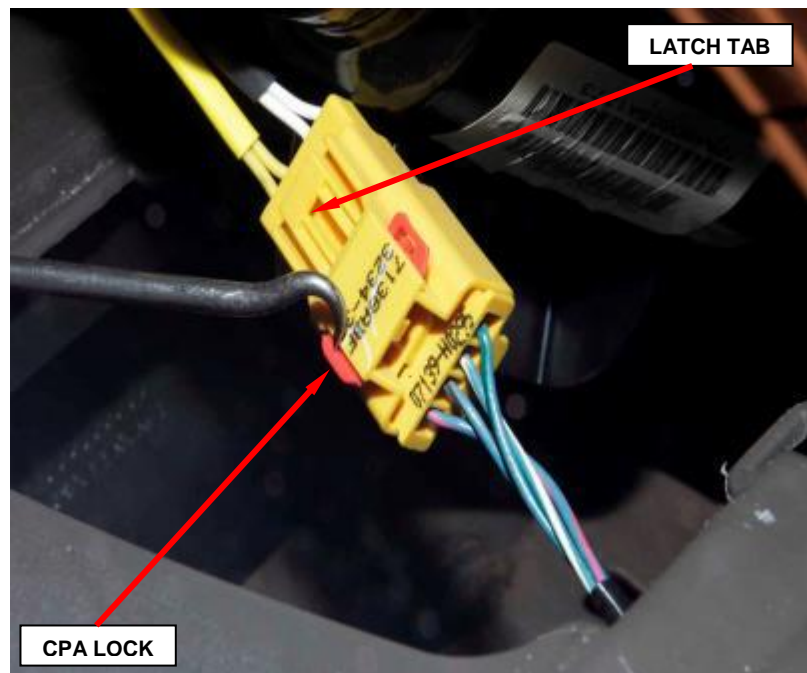
Figure 47 - Passenger Airbag Mounting Bolt Access Holes

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 48).

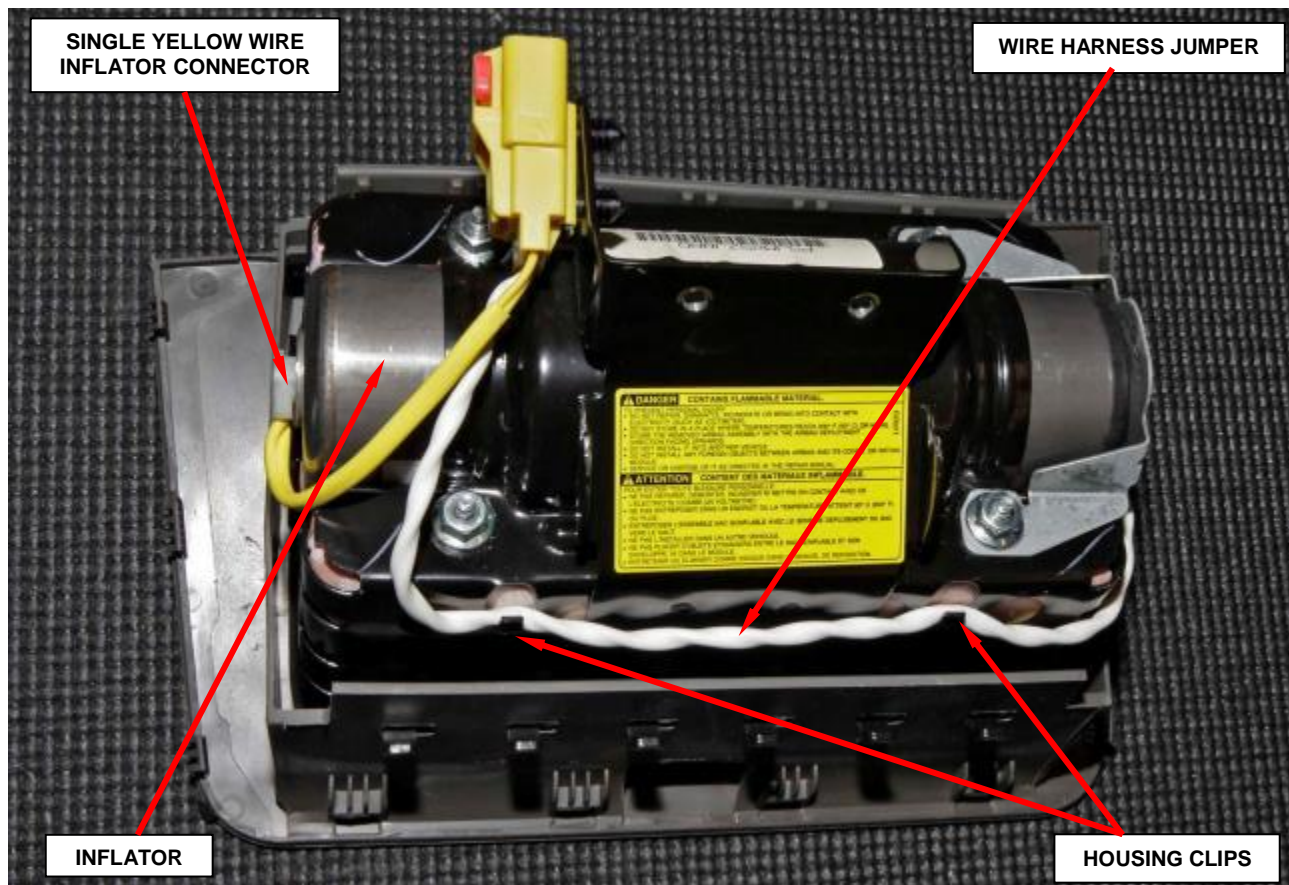
**Figure 48 – Passenger Airbag Door**

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 49).
 - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.

**Figure 49 – 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 50).
 - c. Disconnect the single yellow wire inflator connector from the end of the inflator (Figure 50).

**Figure 50 – Passenger Airbag Assembly**

Service Procedure (Continued)

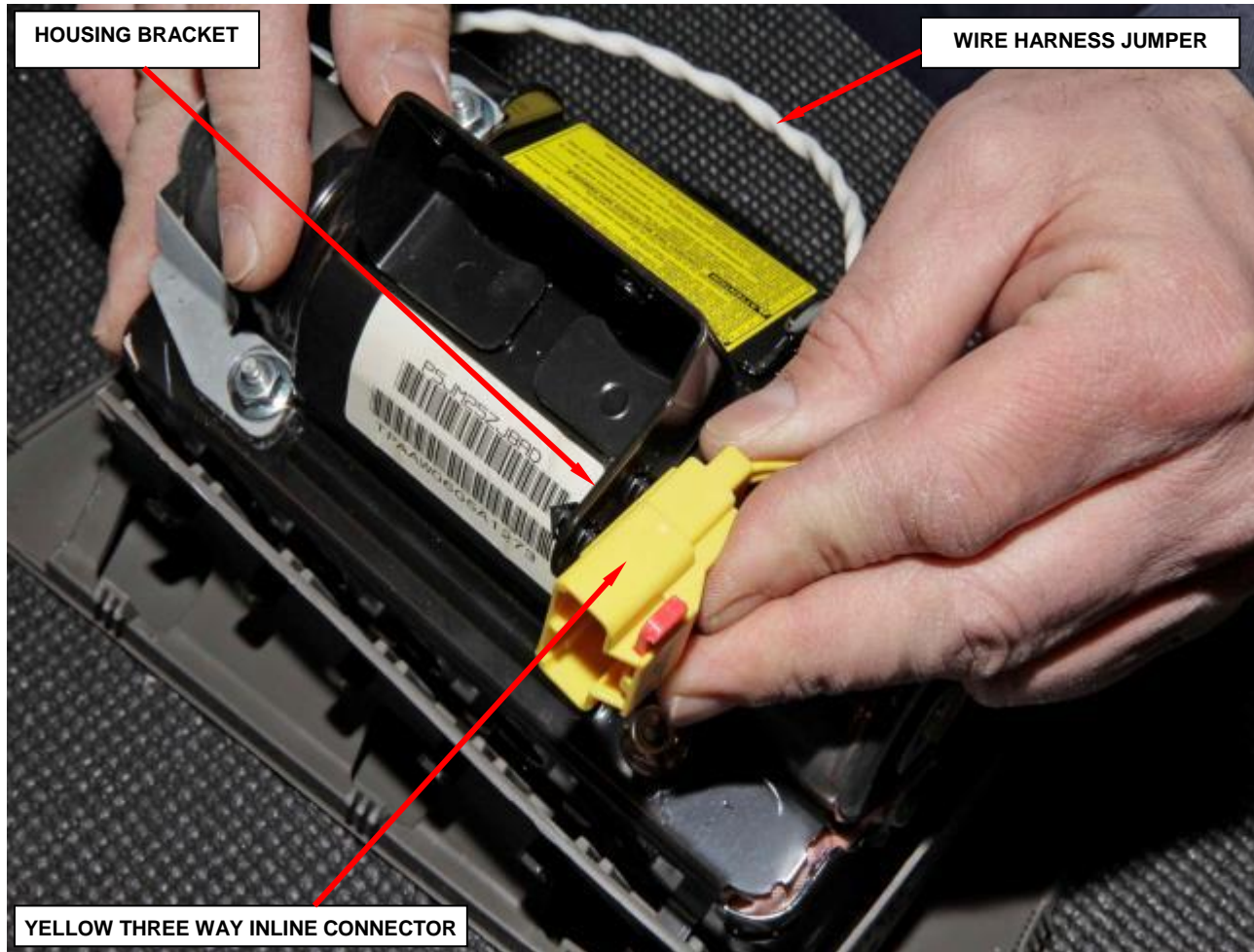
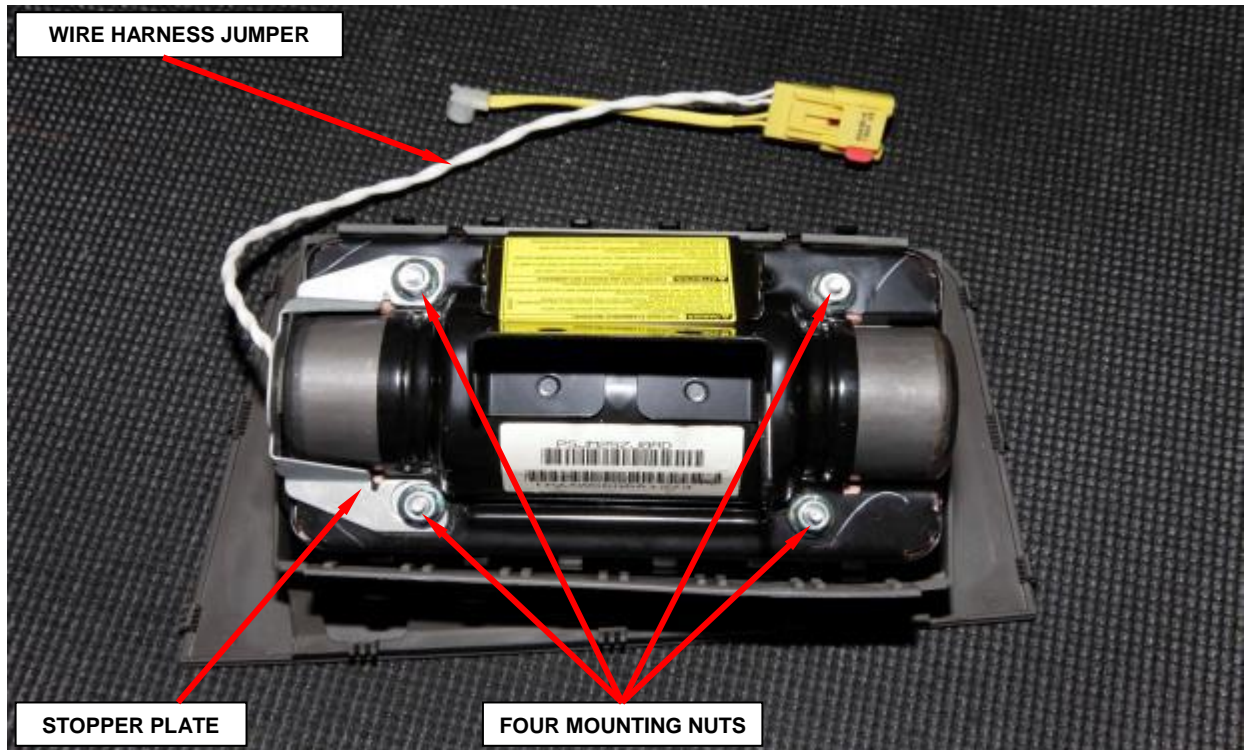
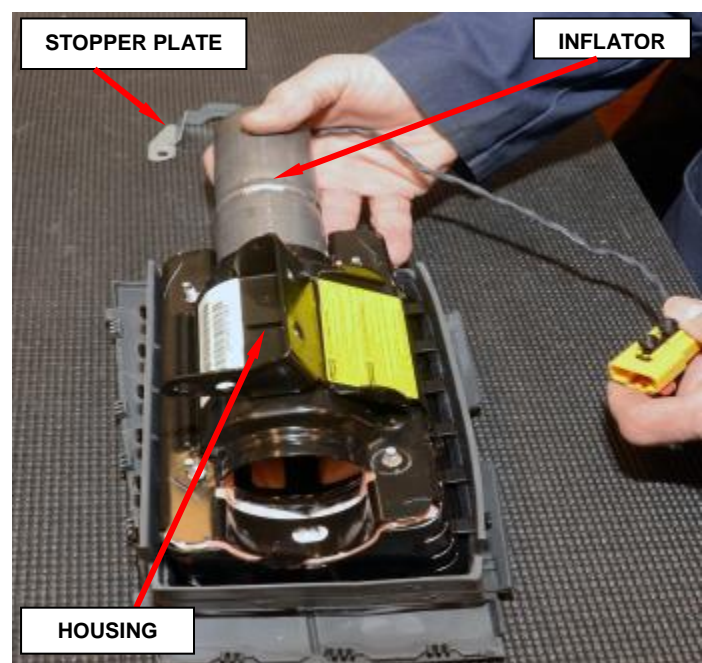


Figure 51 – Inflator Connectors

- d. Release the yellow three way inline connector from the housing bracket (Figure 51).

Service Procedure (Continued)**Figure 52 – Mounting Nuts and Stopper Plate**

- e. Remove and **discard** the four mounting nuts and remove and save the stopper plate from the housing (Figure 52)
- f. Slide the inflator out of the housing (Figure 53).

**Figure 53 – Inflator Removal**

Service Procedure (Continued)

- For 2004-2009 MY HB and HG vehicles, if using replacement inflator kit **CBXZS432AA (PSAN)**, continue with Step o.
- For 2004-2006 MY HB vehicles, if using replacement inflator kit **CBXZS433AB 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 54).

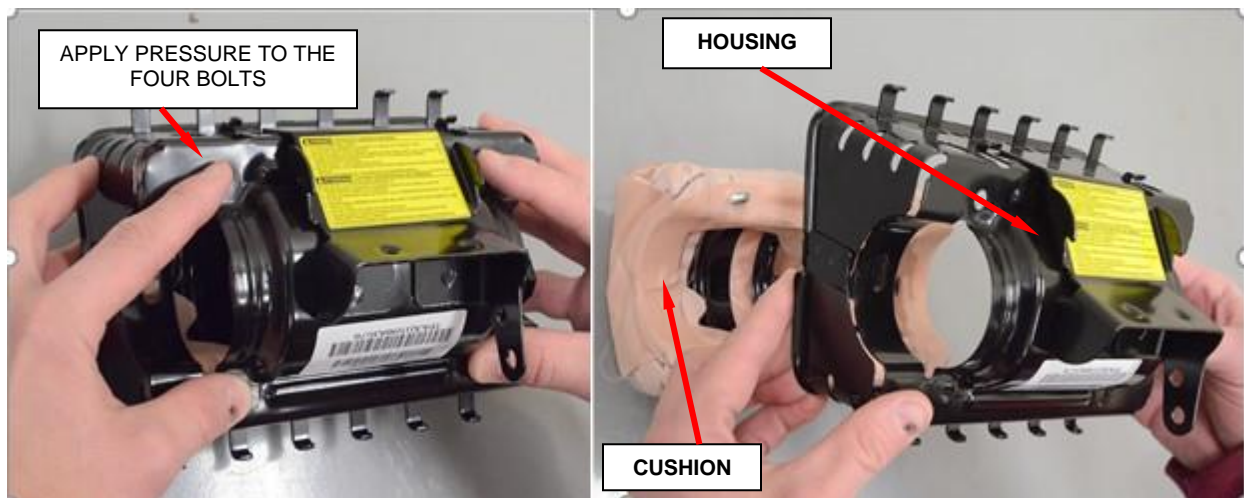


Figure 54 – Remove Airbag Cushion from Housing

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 55).

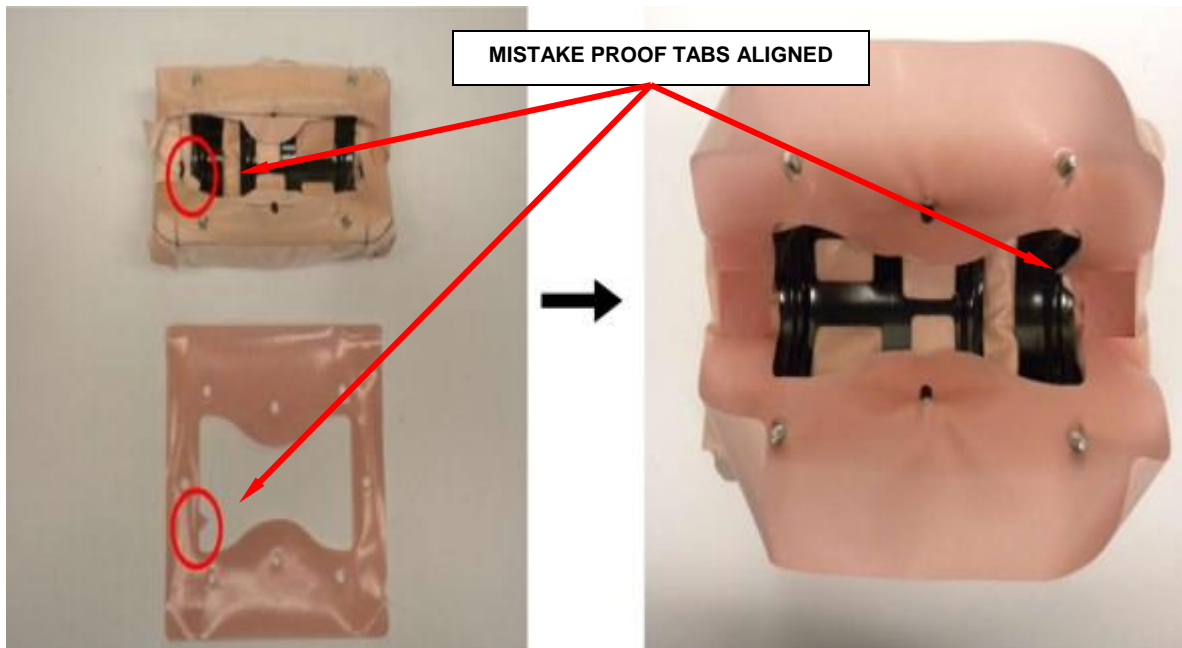


Figure 55 - Fabric Gasket to Cushion (Glossy Side Up)

Service Procedure (Continued)

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 56).



Figure 56 – 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 57).



Figure 57 – Insert Inflator

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 59).

1. Insert the cushion, pulling out both side flaps (Figure 58).

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

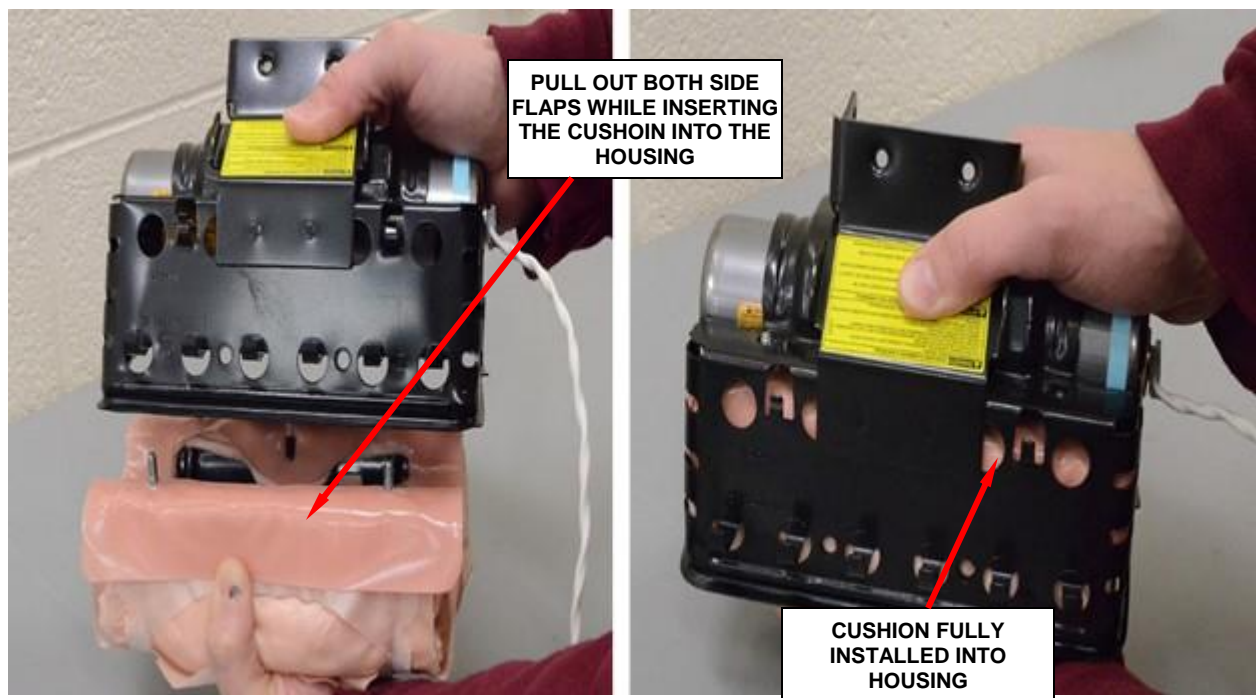


Figure 58 - Side Flaps Must Be Held Out

- 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 59).

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

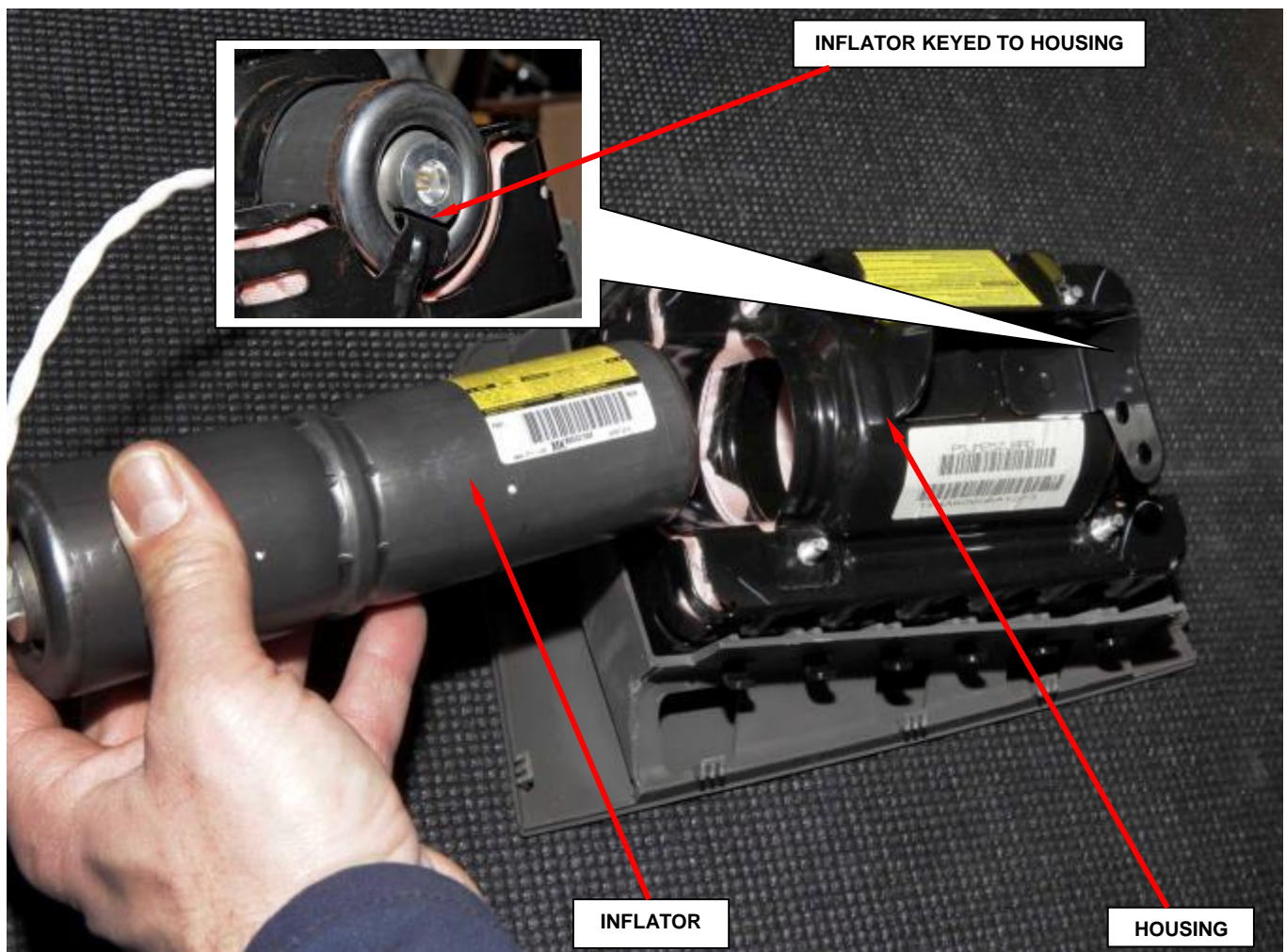


Figure 59 – Inflator Installation

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 L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**E. Replace Passenger Airbag Inflator: 2005-2010 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 60).
 - 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.
3. Use the following steps to remove the glove box.
 - a. Remove the check strap from the right side of the glove box (Figure 61).
 - 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 60 – Instrument Panel Silencer****Figure 61 – Check Strap**

Service Procedure (Continued)

4. Remove and save the three mounting screws to the inner glove box shield, if equipped (Figure 62).

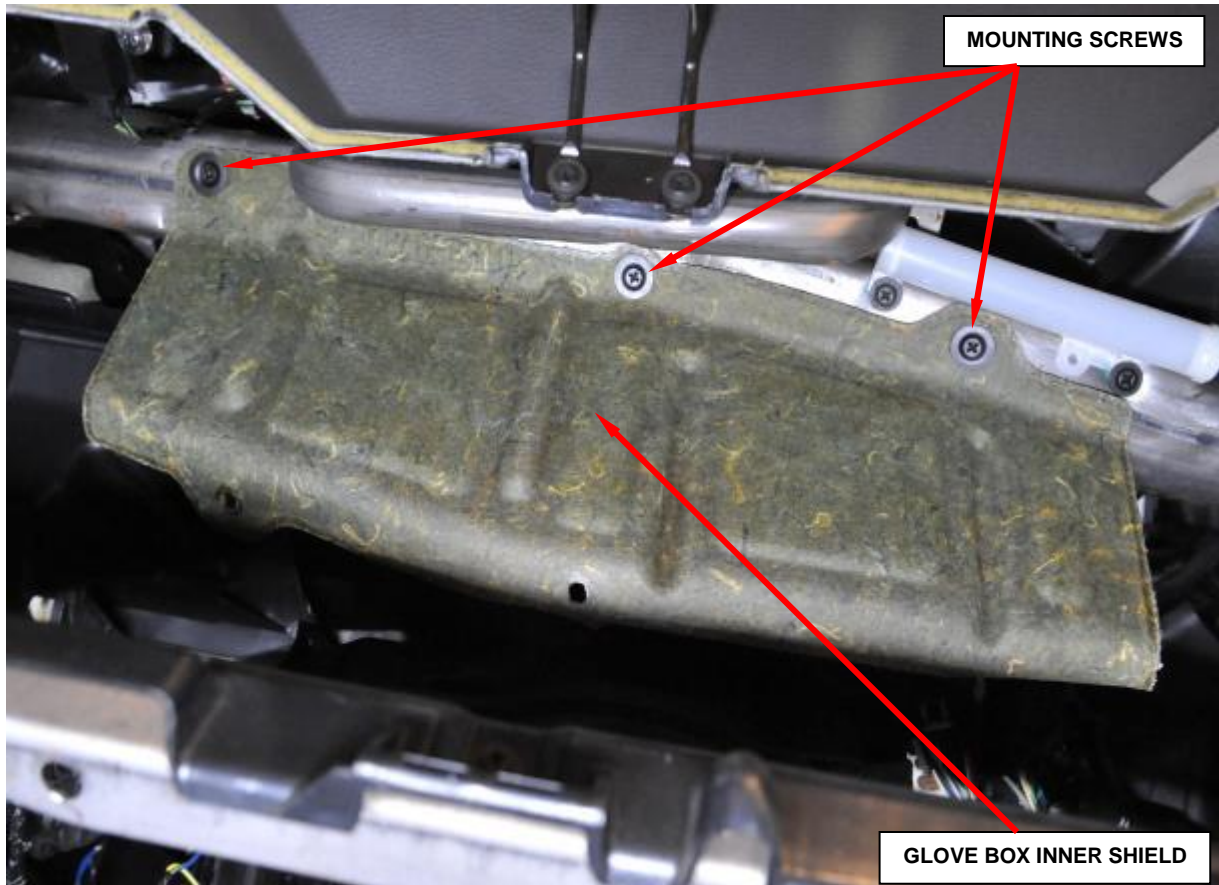
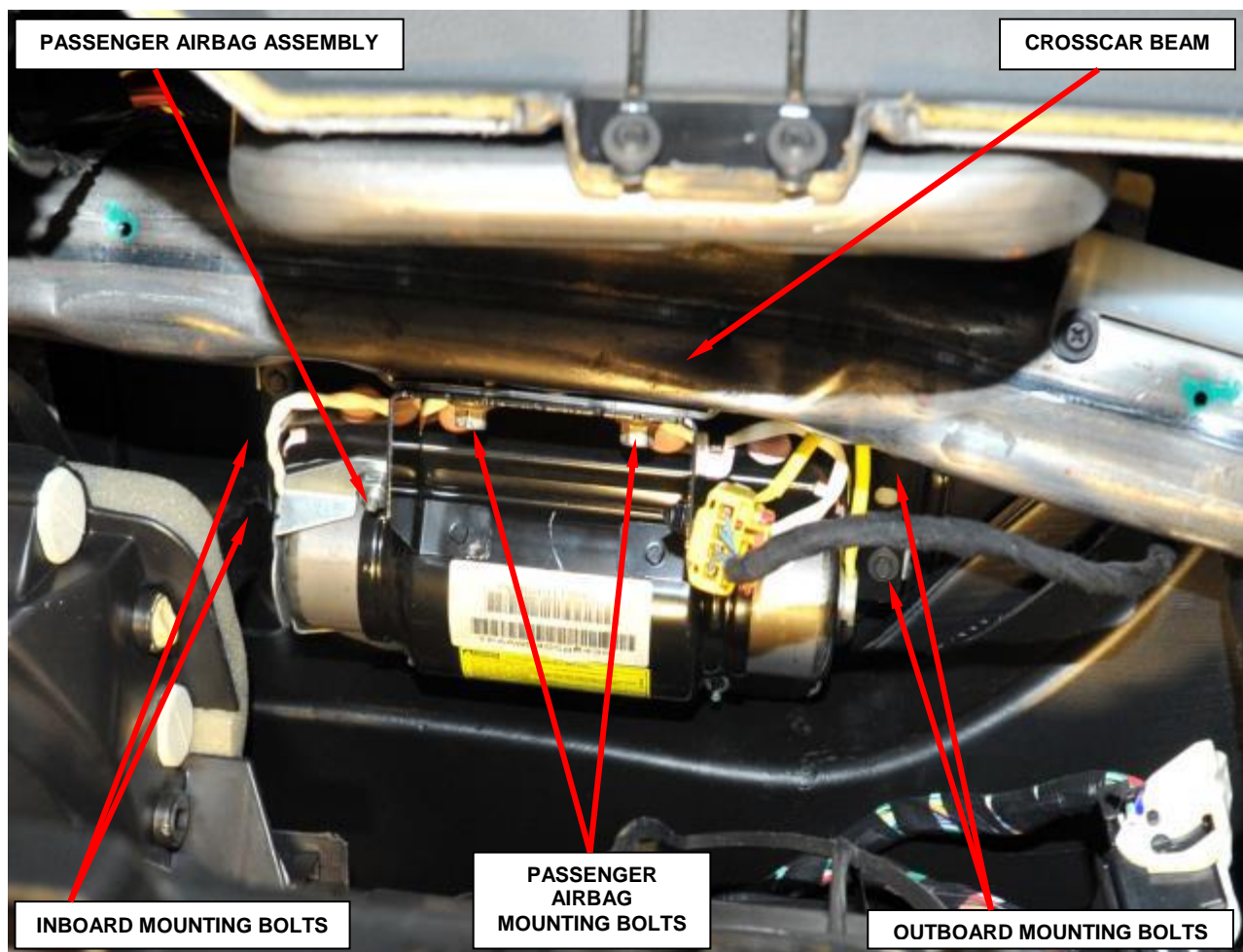


Figure 62 – Inner Glove Box Shield

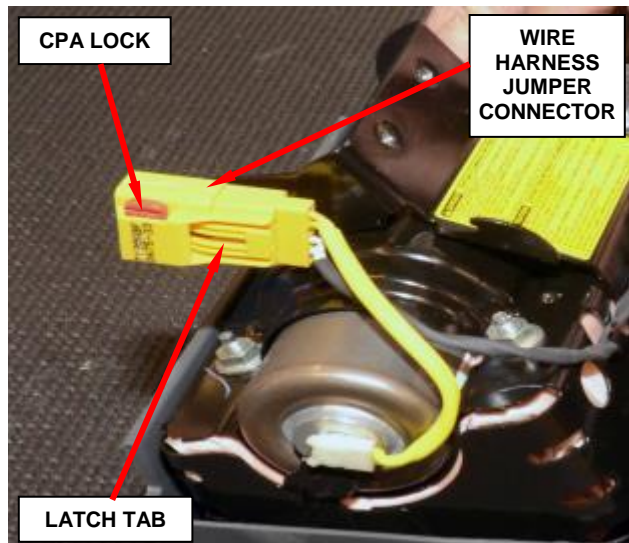
Service Procedure (Continued)

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 63).
6. Remove and save the two outboard mounting bolts to the passenger airbag assembly just below the distribution duct (Figure 63).
7. Remove and save the two passenger airbag assembly mounting bolts to the crosscar beam (Figure 63).

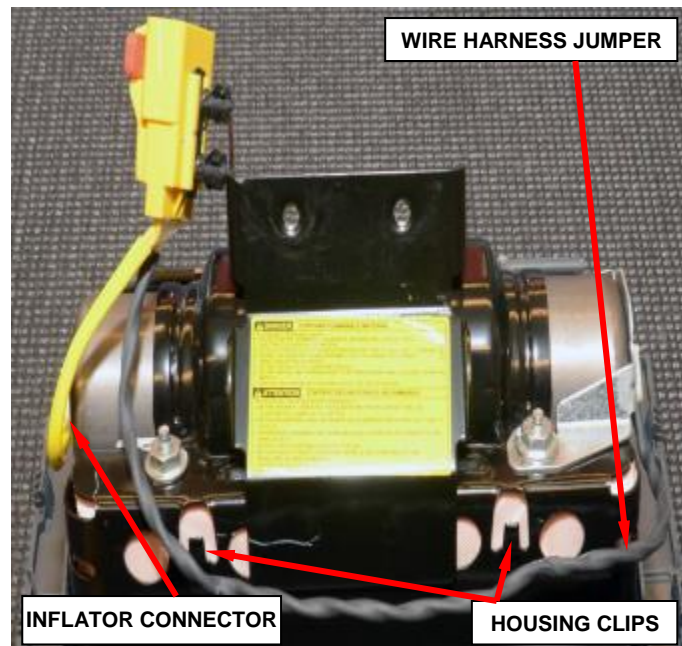
**Figure 63 – Passenger Airbag Mounting Locations**

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 64).
 - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.

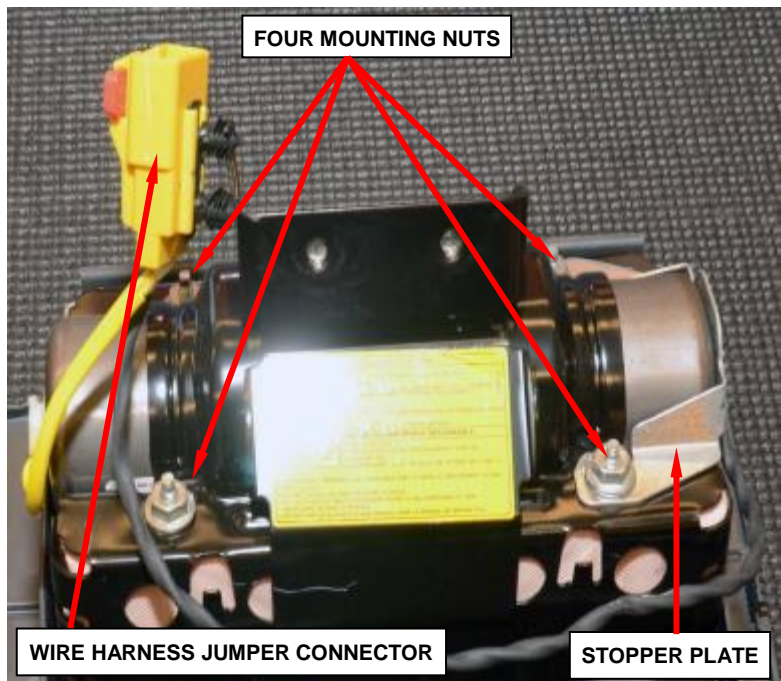
**Figure 64 – Wire Harness Jumper**

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 65).
 - c. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 65).

**Figure 65 – Wire Harness Jumper**

Service Procedure (Continued)

- d. Remove the yellow three way wire harness jumper connector from the housing bracket (Figure 66).
- e. Remove and **discard** the four mounting nuts, then remove the stopper plate from the passenger airbag module (Figure 66).
- f. Slide the inflator out of the passenger airbag module (Figure 72).

**Figure 66 – Airbag Module**

- For 2005-2009 MY LX vehicles using replacement inflator kit **CBXZS432AA (PSAN)** continue to Step m.
- For 2005-2009 MY LX vehicles using replacement inflator kit **CBXZS432AB or AC (GuNi)** continue to Step g.
- For 2010 MY LX vehicles, if using replacement inflator kit **CBXZS433AA (PSAN)**, then continue with Step m.
- 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 67).

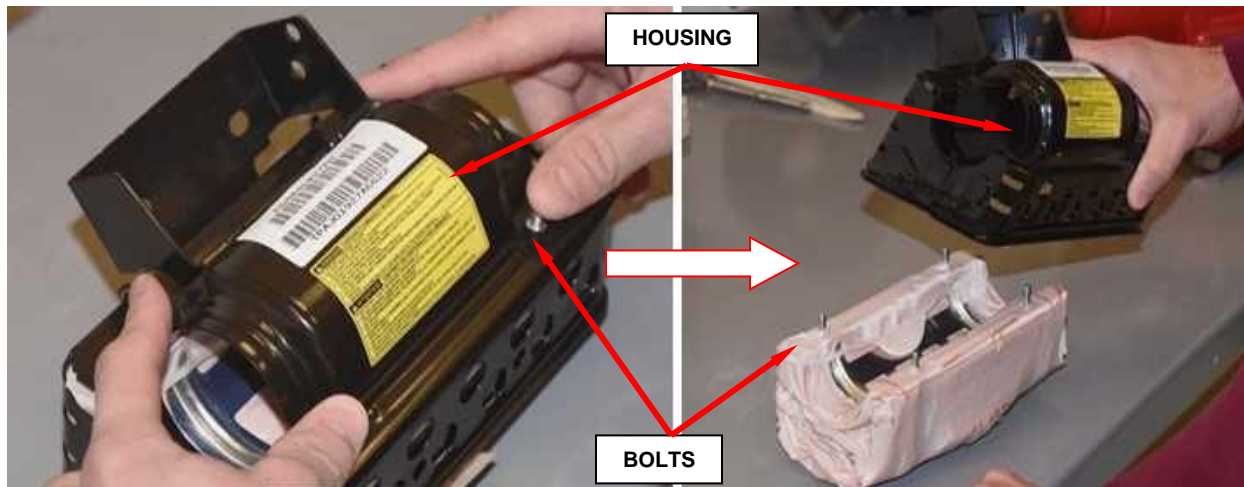


Figure 67 - Remove Airbag Cushion from Housing

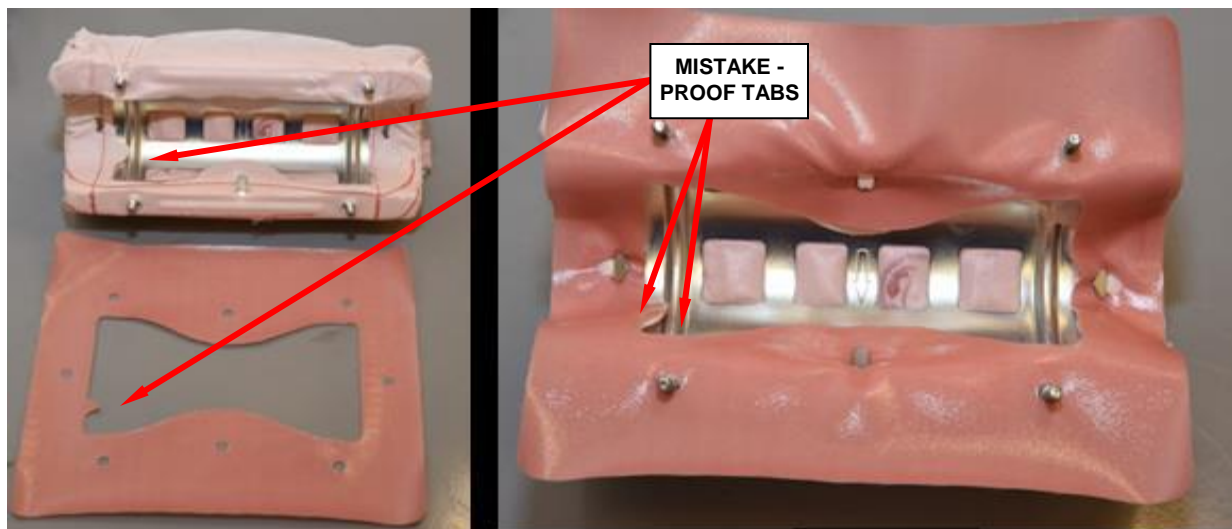


Figure 68 – Fabric Gasket to Cushion

- h. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 68).

Service Procedure (Continued)

- i. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 69).

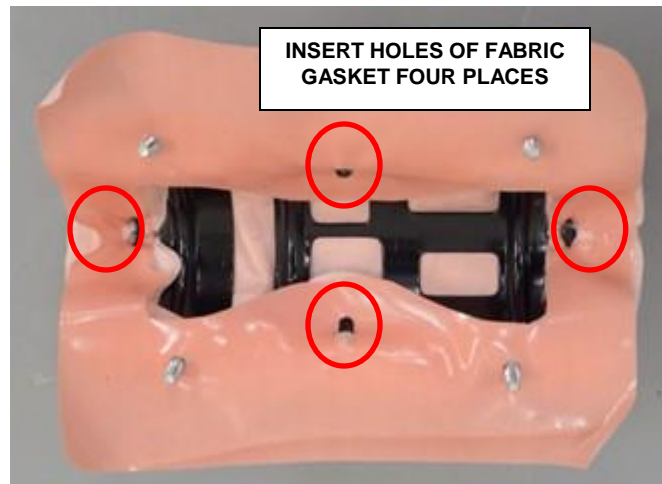


Figure 69 – Fabric Gasket

- 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 70).

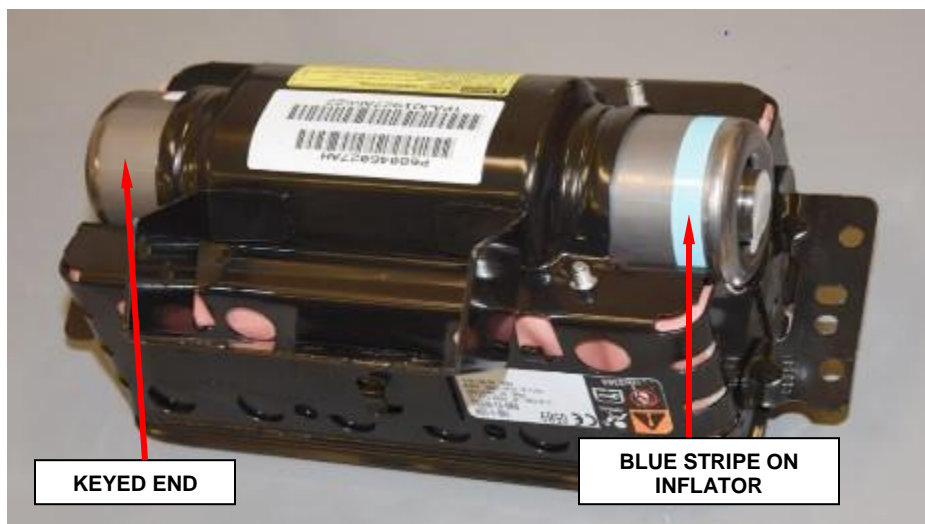


Figure 70 – Insert Inflator (Shown with Cushion Installed)

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 72).

k. Insert the cushion, pulling out both side flaps (Figure 71).

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

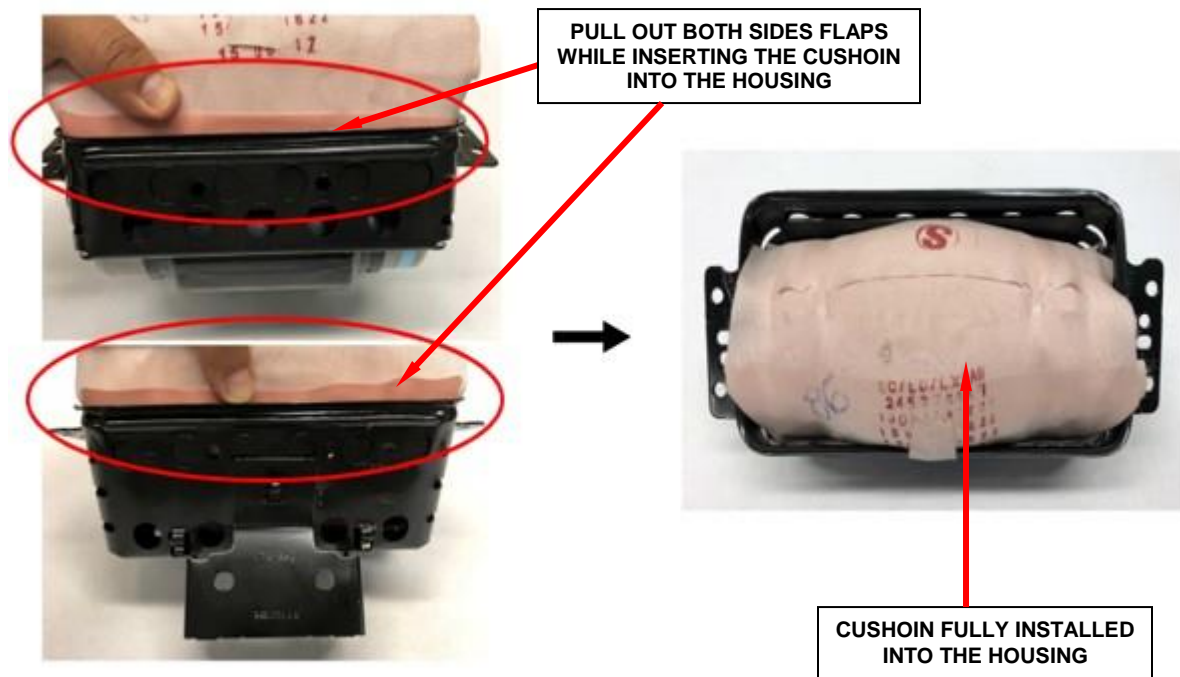


Figure 71 – Side Flaps Must Be Held Out

l. Continue with Step n to complete retrofit.

Service Procedure (Continued)

m. Slide the **new** inflator into the passenger airbag module (Figure 72).

NOTE: The inflator is keyed to fit into the housing (Figure 72).

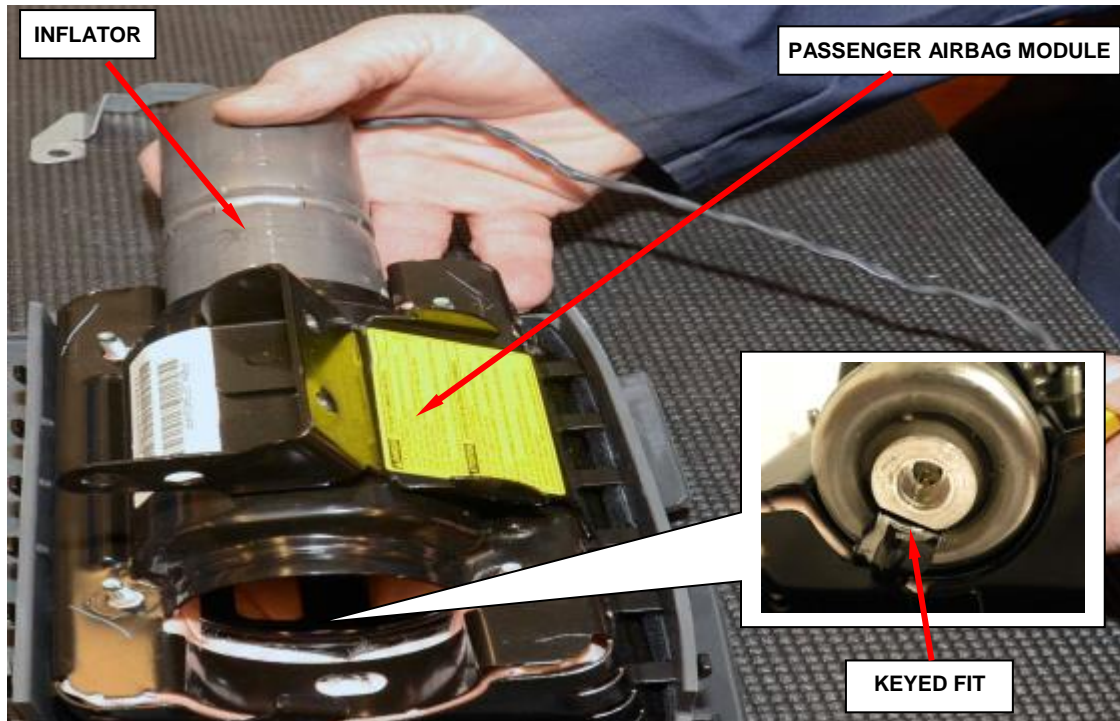


Figure 72 – Passenger Airbag Inflator to Housing

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 L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**F. Replace Passenger Airbag Inflator: 2011-2012 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 73).

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.

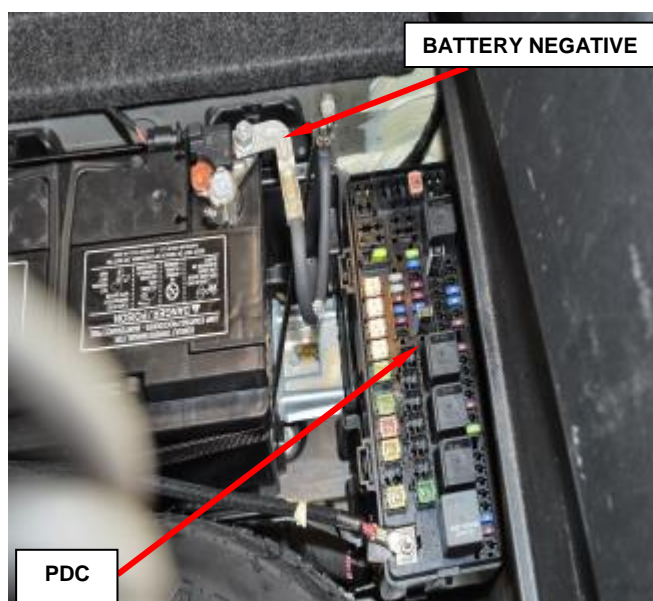
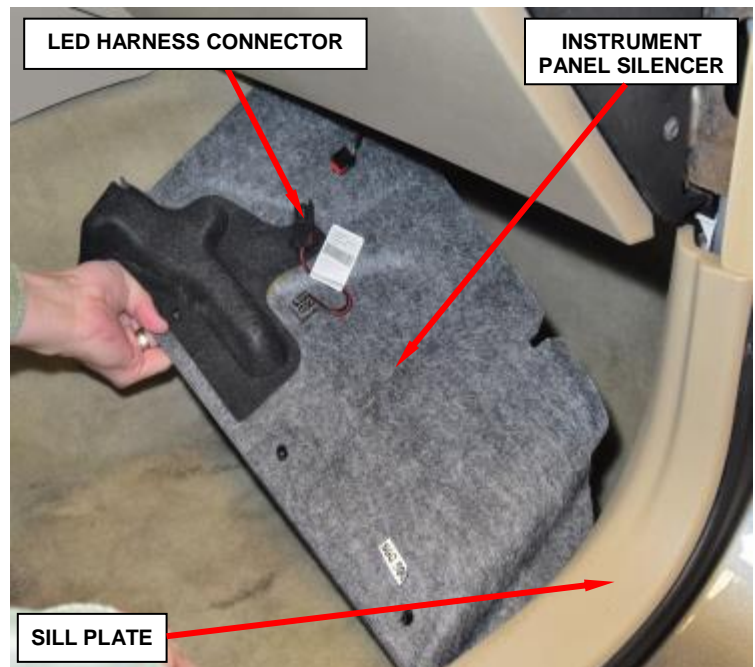
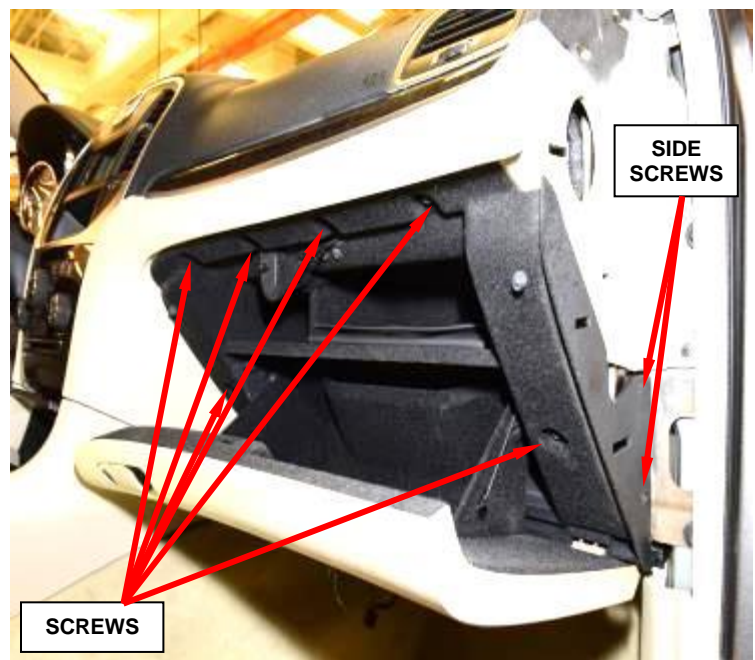


Figure 73 – Battery Negative

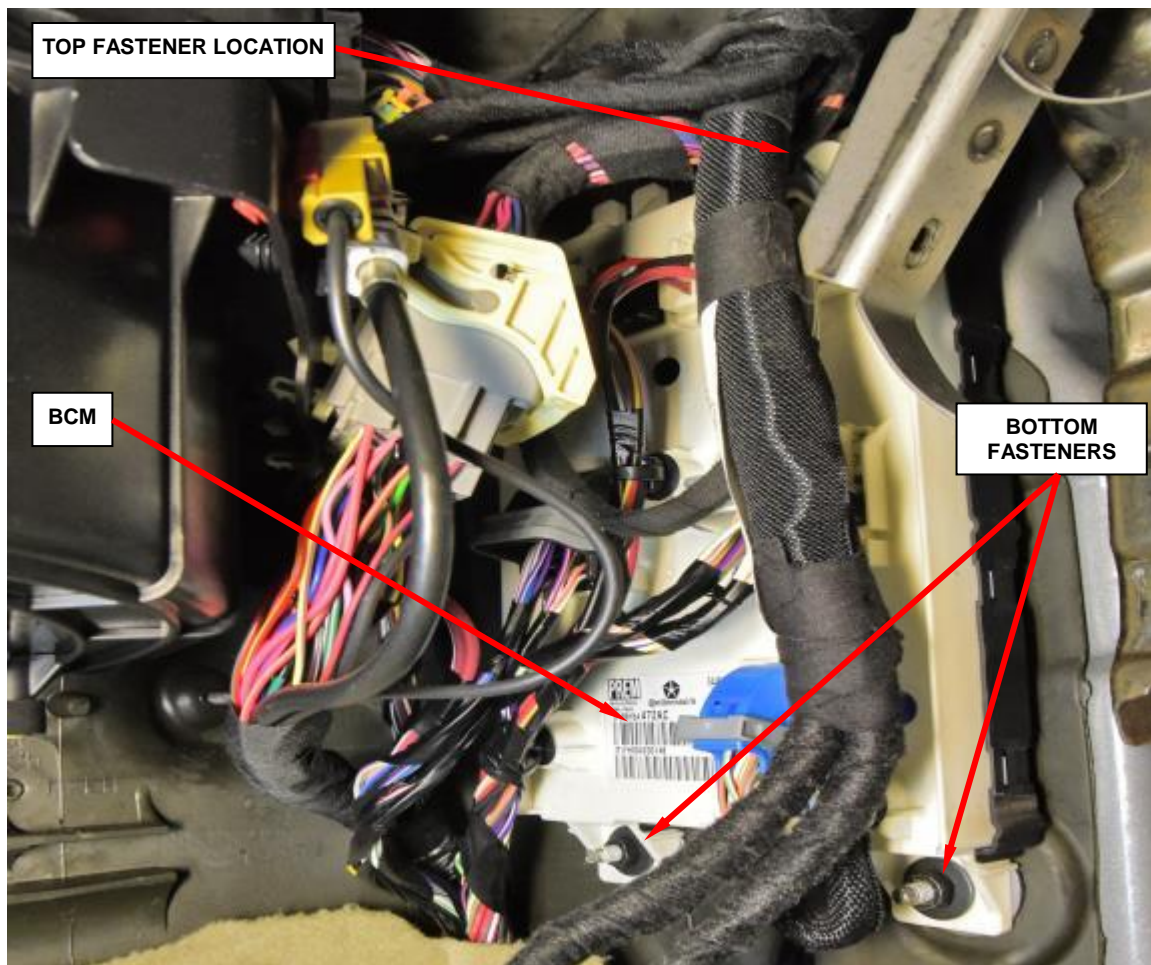
Service Procedure (Continued)

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 74).
 - c. Remove the three pushpins that secure the instrument panel silencer to the instrument panel (Figure 74).
 - d. Disconnect the harness connector(s) and remove the right side instrument panel silencer (Figure 74).
 - e. Open the glove box door.
 - f. Remove the two side screws from the glove box compartment (Figure 75).
 - g. Remove the six screws from the glove box compartment (Figure 75).
 - h. Disconnect the wiring harness connectors and remove the glove box compartment.

**Figure 74 – Instrument Panel Silencer****Figure 75 – 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 76).
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 76).
6. Pull the module away from the side bulk head and down and remove and save the module.

**Figure 76 – Body Control Module**

Service Procedure (Continued)

7. Disconnect the electrical connector from the HVAC module, located on the air inlet housing (Figure 77).

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 77).
9. Loosen the two screws that secure the front of the HVAC module to the air inlet housing (Figure 77).
10. Remove the one screw that secures the rear of the HVAC module to the air inlet housing (Figure 77).
11. Slide the HVAC module rearward to disengage the module from the two front retaining screws and remove the module.

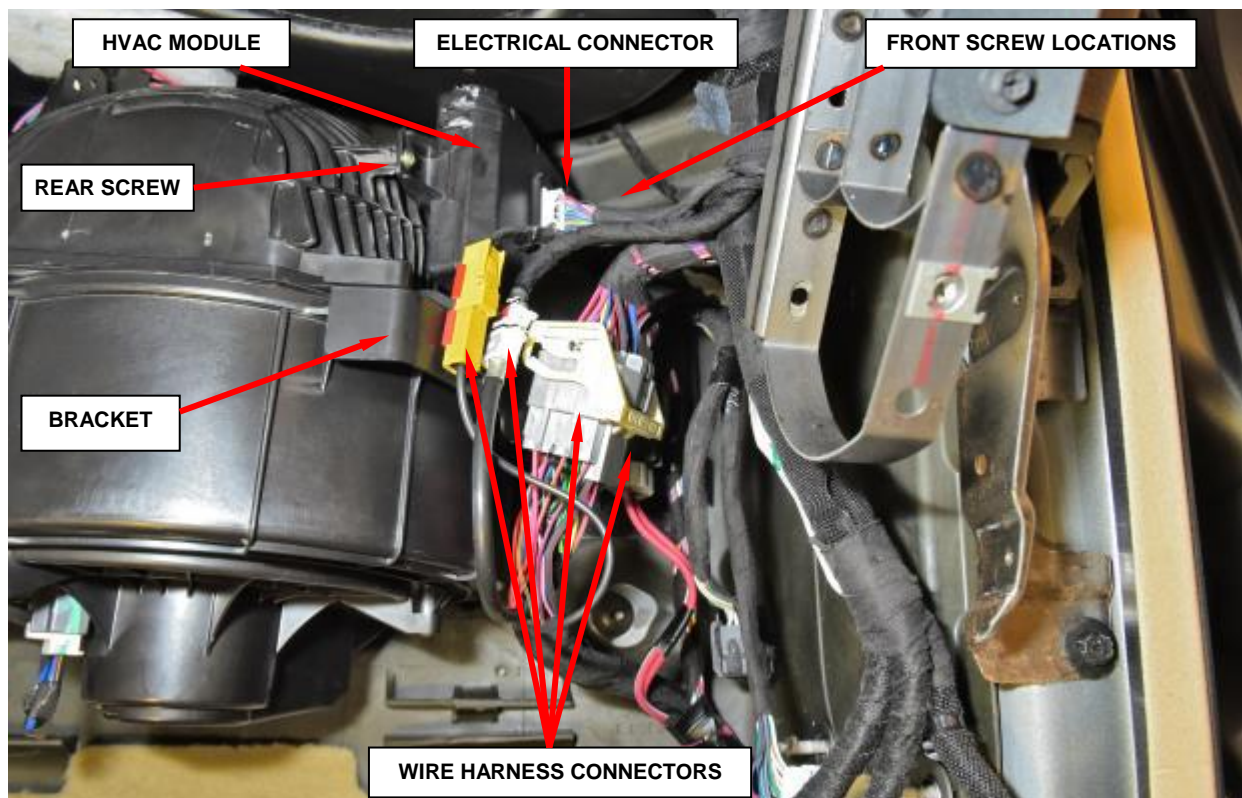
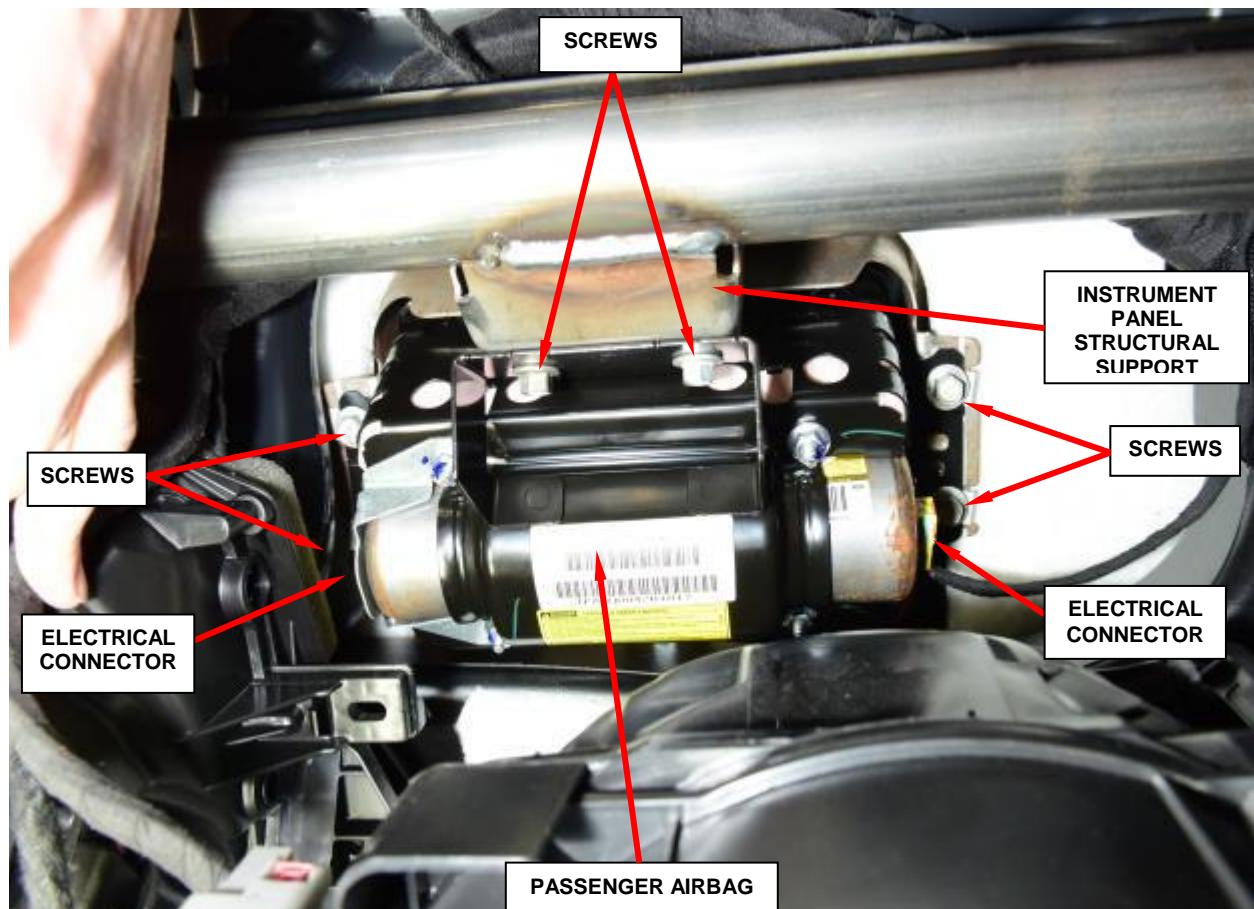


Figure 77 – HVAC Module

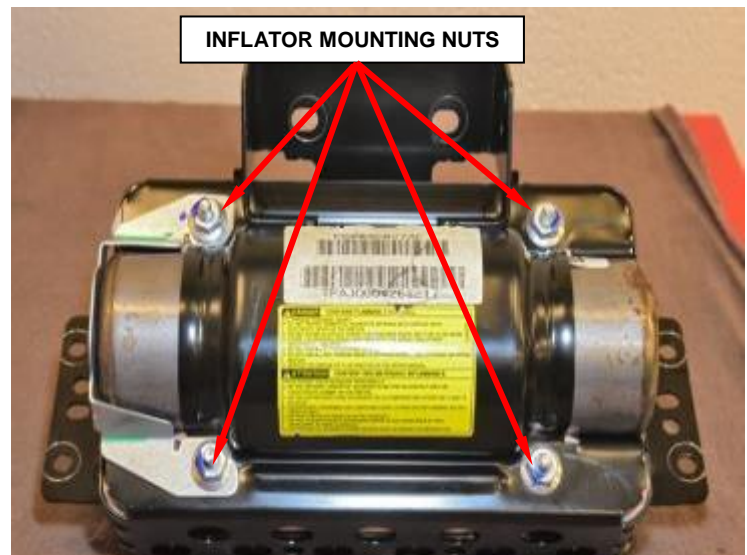
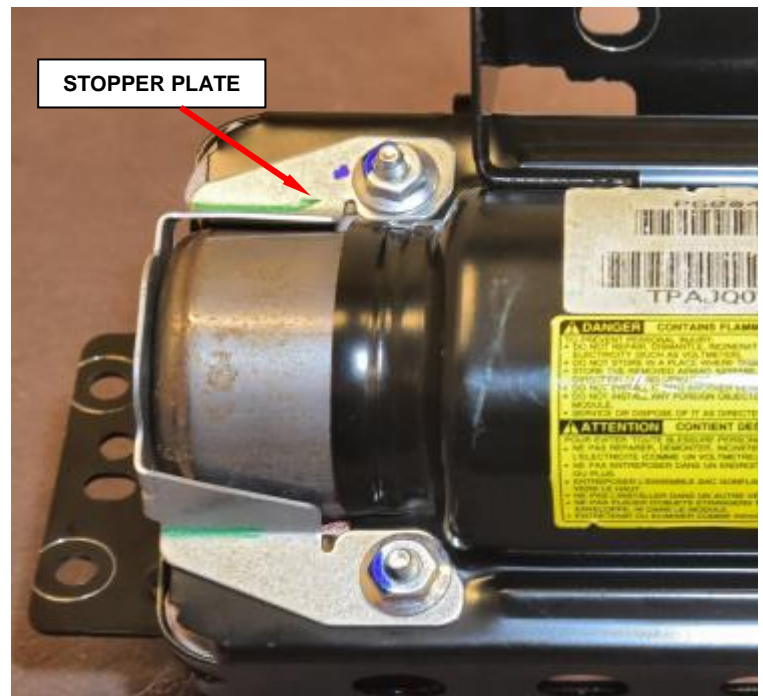
Service Procedure (Continued)

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 78).
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 78).
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 78).

**Figure 78 – 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 79).
 - c. Remove and save stopper plate from housing (Figure 80).
 - If using replacement inflator kit CBXZS434AB or AC (GuNi), continue with Step d.
 - If using replacement inflator kit CBXZS434AA, continue with Step k.

**Figure 79 – Mounting Nuts****Figure 80 – 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 81).

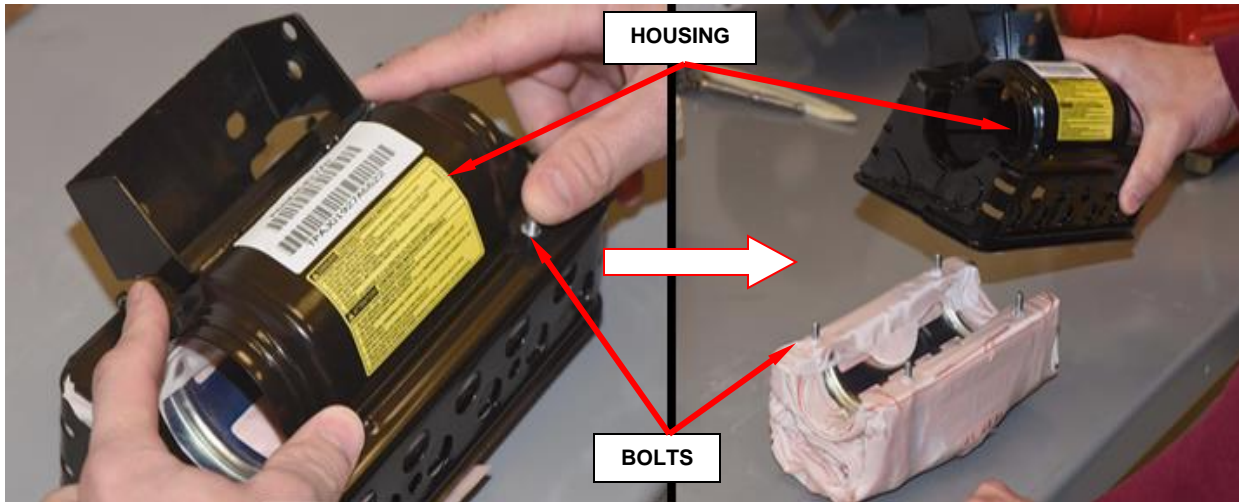


Figure 81 - Remove Airbag Cushion from Housing

- f. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 82).

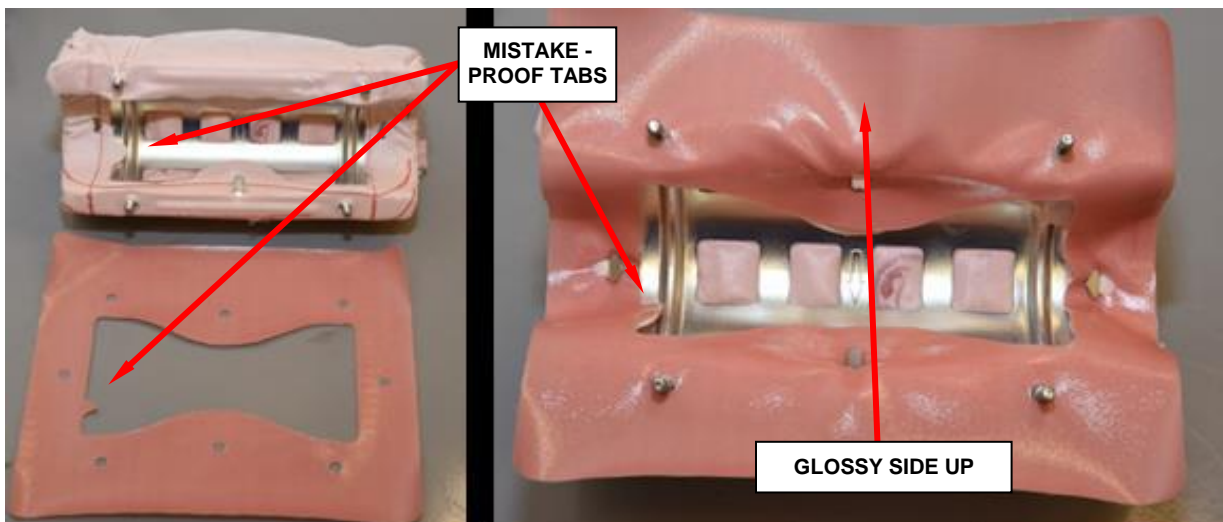


Figure 82 – Fabric Gasket to Cushion

Service Procedure (Continued)

- g. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 83).

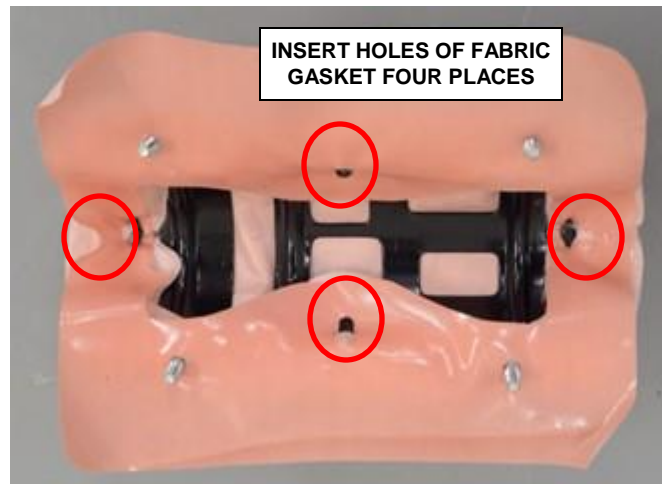


Figure 83 – Fabric Gasket

- 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 84).

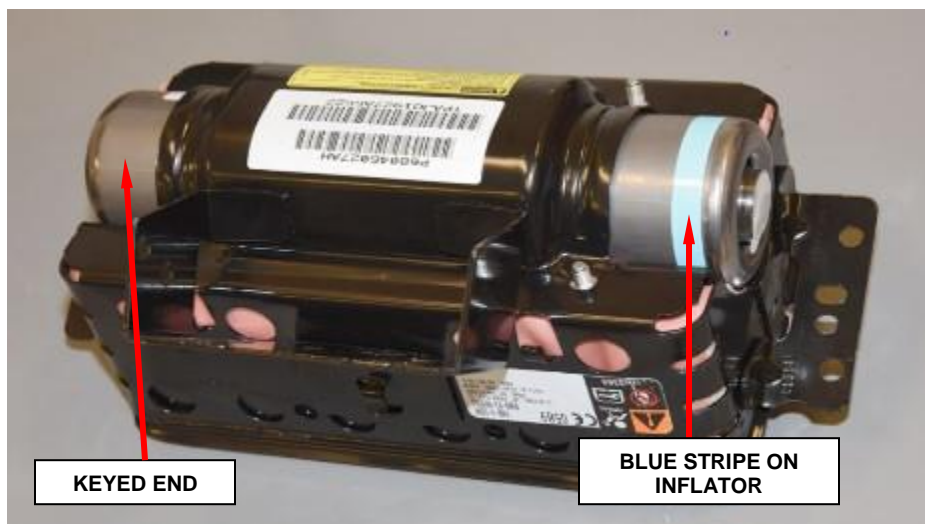


Figure 84 – Insert Inflator (Shown with Cushion Installed)

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 87).

- i. Insert the cushion, pulling out both side flaps (Figure 85).

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

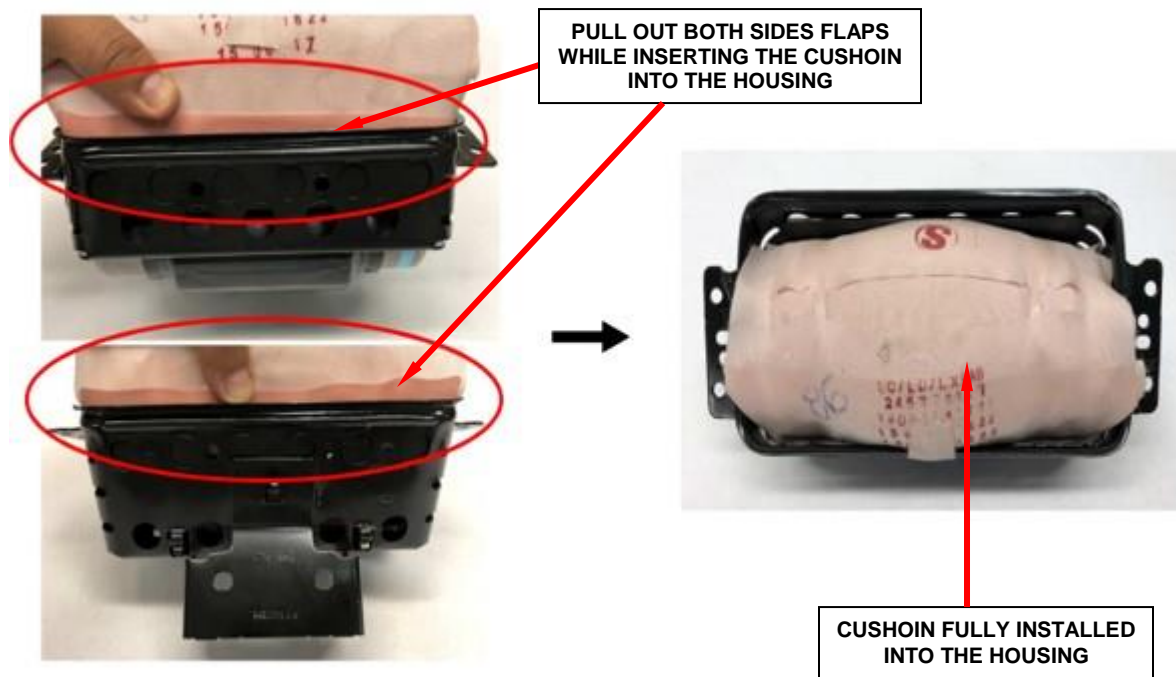


Figure 85 – Side Flaps Must Be Held Out

- j. Continue with Step m to complete retrofit.

Service Procedure (Continued)

- k. Slide the inflator out of the passenger airbag module housing (Figure 86).

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

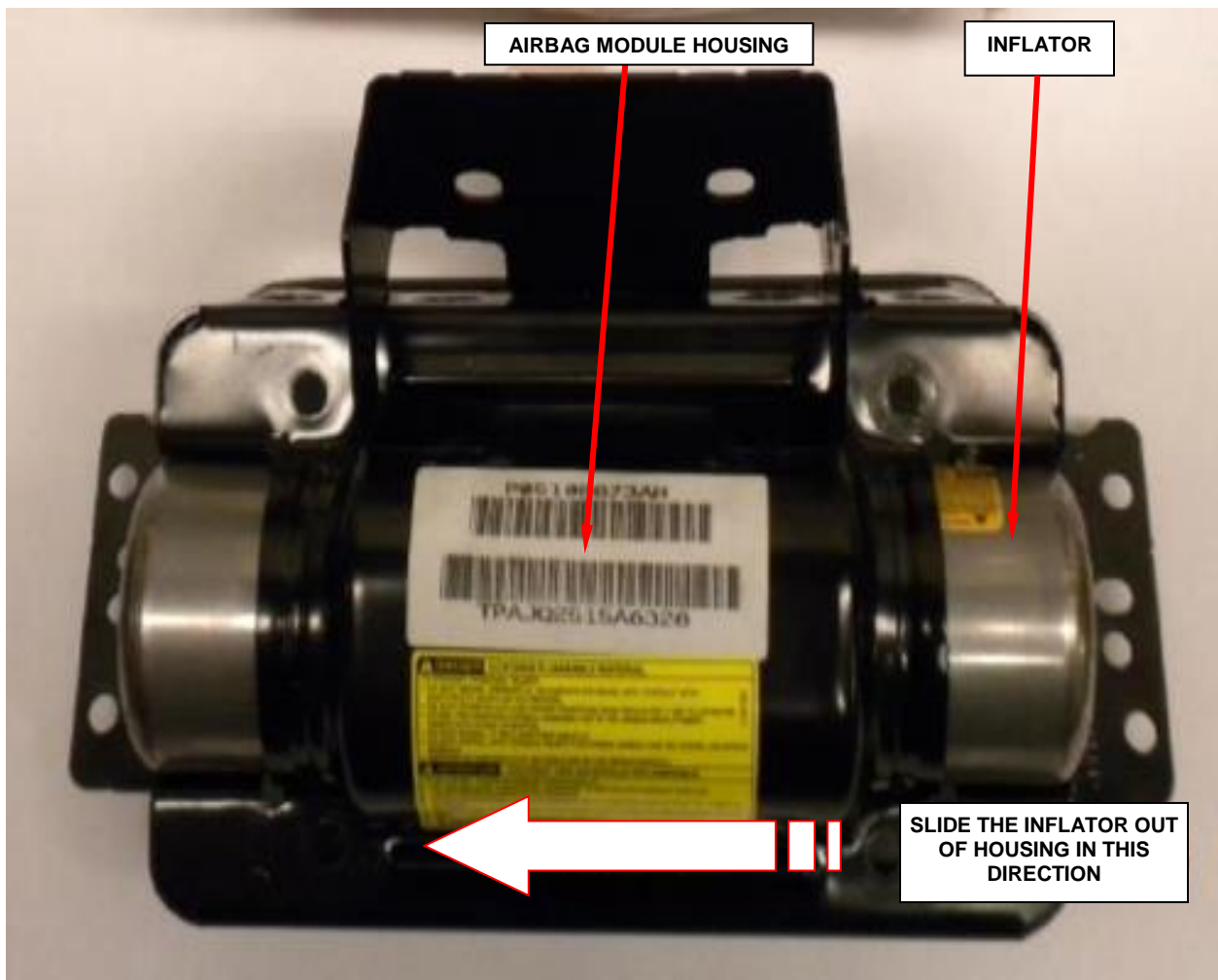


Figure 86 – Remove Airbag Inflator

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 87).

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

- m. Position the stopper plate to the airbag housing (Figure 80).
- n. Install the four **NEW** mounting nuts to the airbag housing and tighten to 53 in. lbs. (6 N·m) (Figure 79).

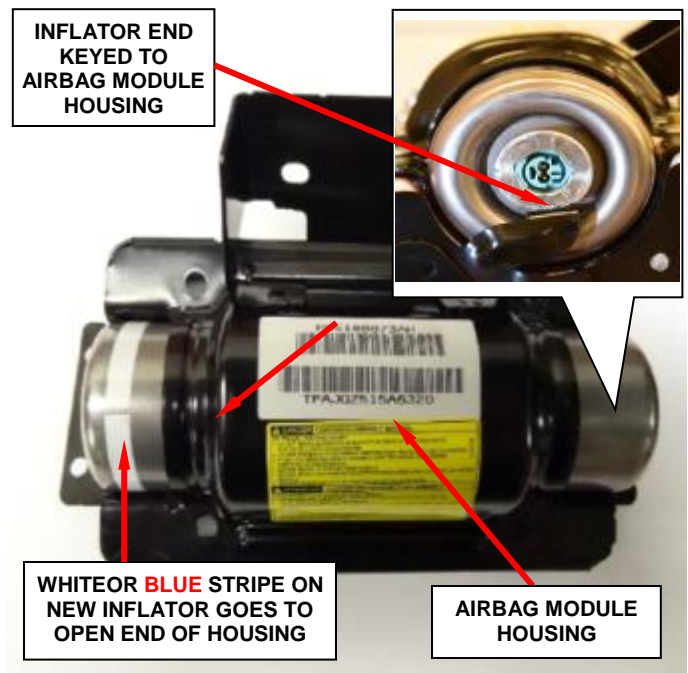


Figure 87 – Install New Inflator to Housing

- o. Passenger airbag retrofit is complete (Figure 88).



Figure 88 – 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 L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**G. Replace Passenger Airbag Inflator: 2008-2012 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 89).
8. Pull up on the shifter knob and remove from the shifter shaft (Figure 89).
9. Remove the shifter bezel and/or shifter boot (Figure 89).



Figure 89 – Shifter Knob

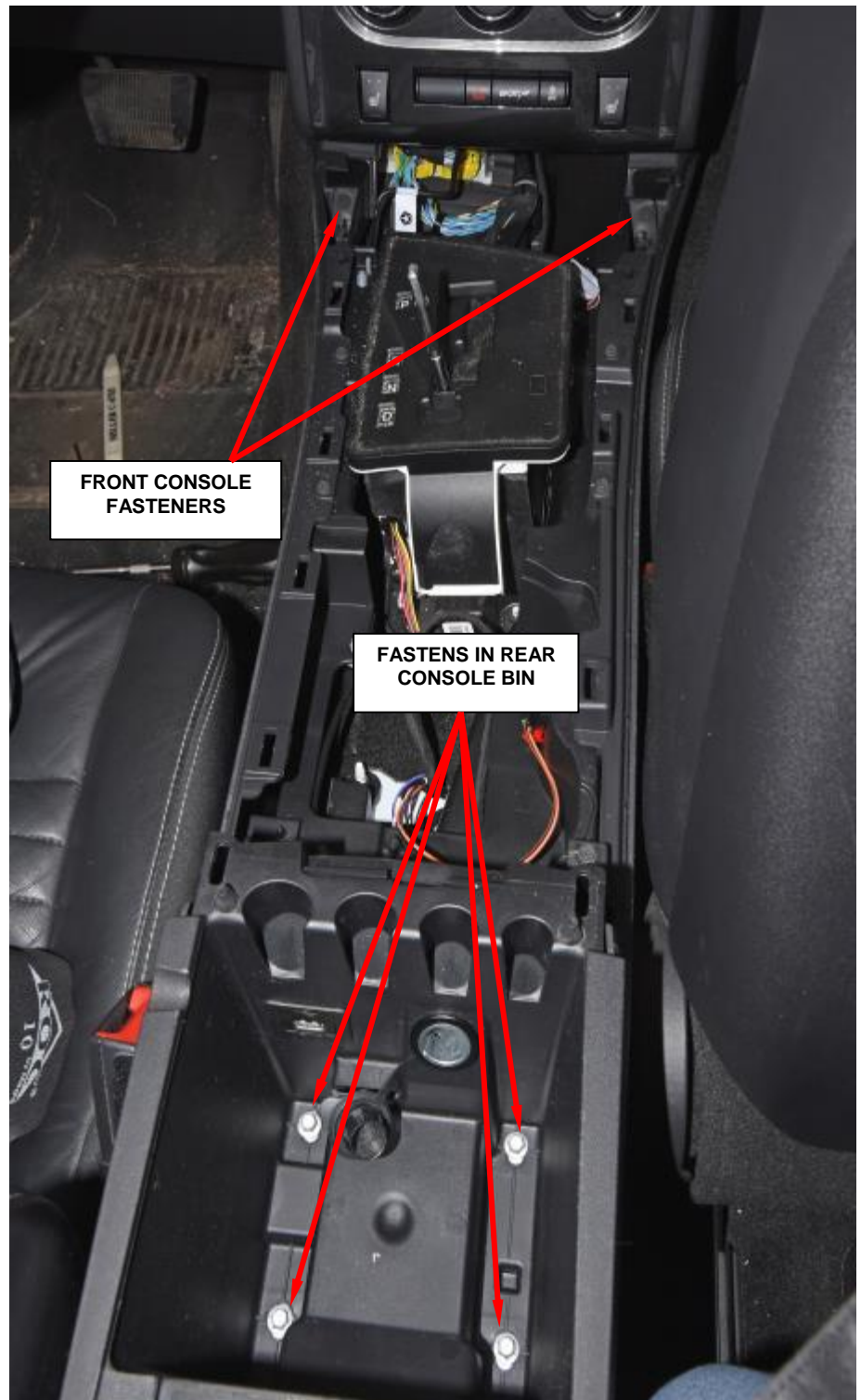
10. Open the lid of the console rear bin and remove the mat from the rear bin.
11. Using a trim stick, unsnap the console bezel from the console (Figure 90).
12. Disconnect the electrical connectors and remove the bezel.



Figure 90 - 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 91).
14. Remove the two fasteners that secure the front of the console to the instrument panel (Figure 91).
15. Slide the console rearward and disconnect the electrical connectors.
16. Remove the floor console from the vehicle.

**Figure 91 – Floor Console**

Service Procedure (Continued)

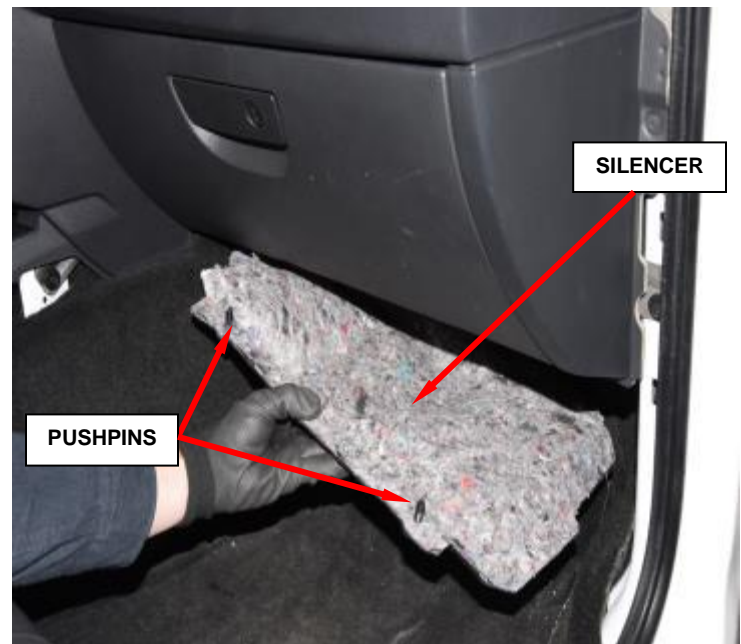
17. Using a trim stick C-4755 or equivalent, remove the right and left side lower A-pillar trim (Figure 92).
18. Using a trim stick C-4755 or equivalent, release the right and left side upper A-pillar trim then release the airbag tether and remove the trim (Figure 92).
19. Using a trim stick C-4755 or equivalent, remove the right and left side scuff panel trim (Figure 92).
20. Using a trim stick C-4755 or equivalent, remove the right and left side kick panel trim (Figure 92).



Figure 92 – Door Opening Trim (Right Side Shown, Left Side Similar)

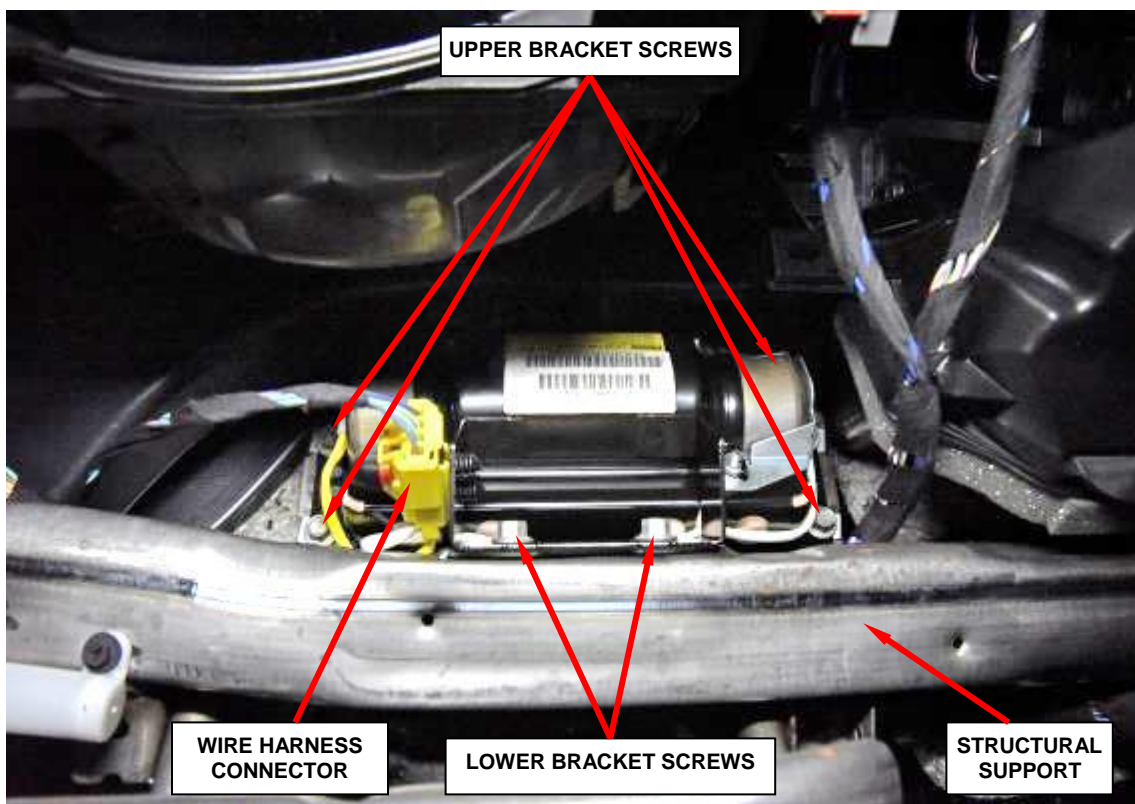
Service Procedure (Continued)

21. Remove the two pushpins that secure the passenger side instrument panel silencer to the instrument panel bracket (Figure 93).
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 94).
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 94).
28. Remove the glove box bin from the vehicle.

**Figure 93 – Passenger Side Silencer****Figure 94 – Glove Box Bin**

Service Procedure (Continued)

29. Disconnect the instrument panel wire harness connector from the PAB pigtail wire connector (Figure 95).
30. Remove the two screws that secure the PAB lower bracket to the instrument panel structural support (Figure 95).
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 95).
32. Allow the PAB housing, inflator and cushion as a unit to remain on the underside of the instrument panel cover until **Step 40**. **Do not pry or force the unit from the vehicle at this time.**



**Figure 95 – 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 96).

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.

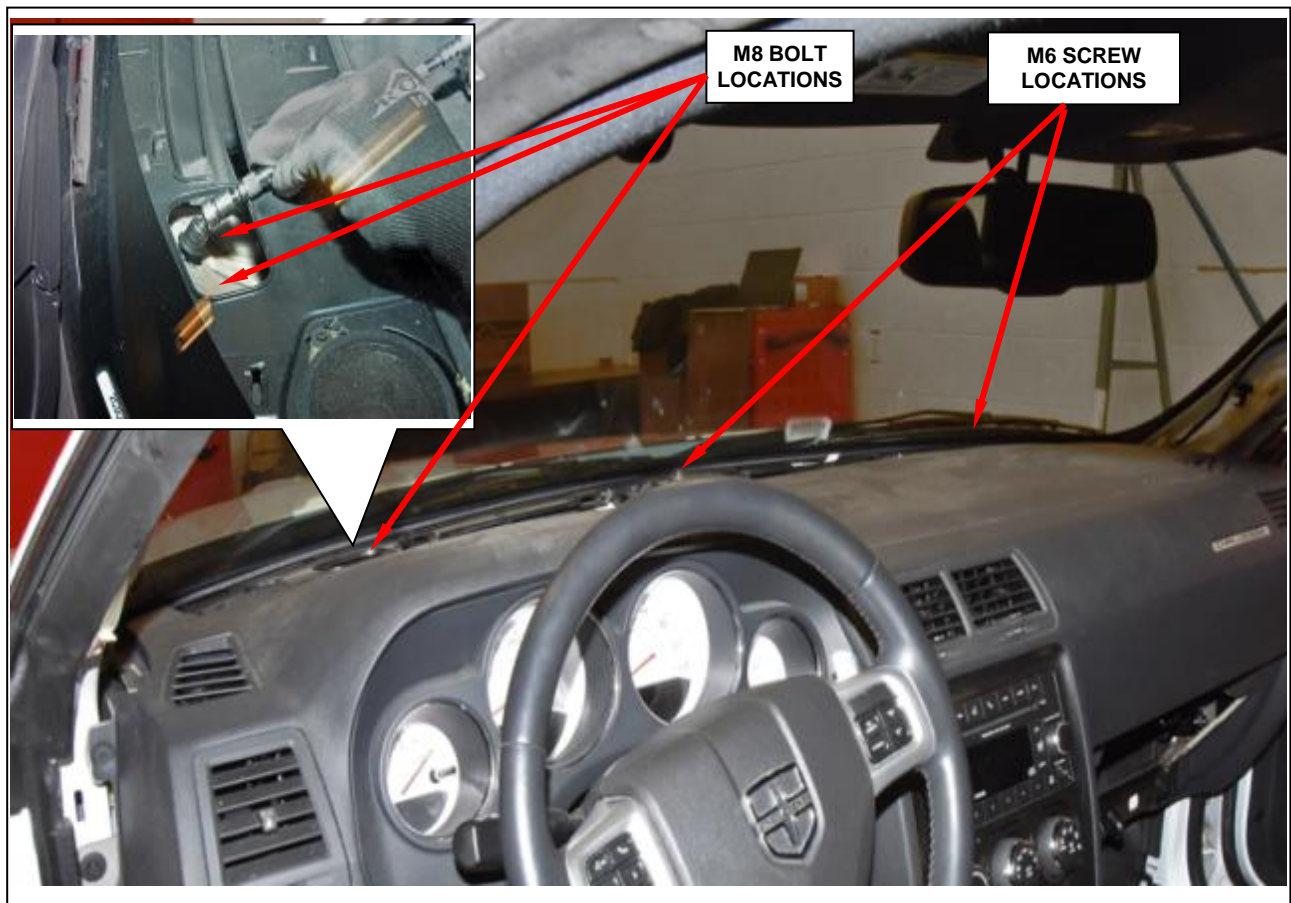


Figure 96 – Top Instrument Panel Fasteners

Service Procedure (Continued)

34. Remove and save the instrument panel side support bolts (Figure 97).
35. Remove and save the bolts that secure the bottom of the instrument panel (Figure 97).

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.

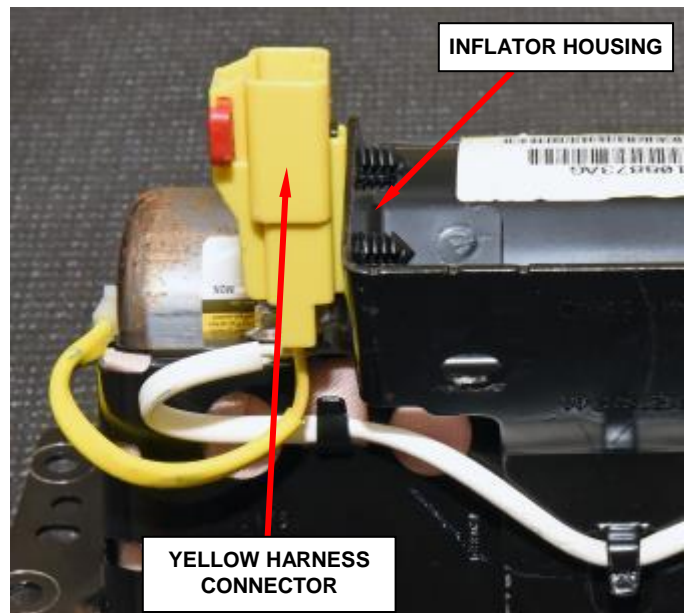
37. Remove the PAB housing, inflator and cushion as a unit.



Figure 97 – Side and Bottom Retaining Bolts

Service Procedure (Continued)

38. Use the following procedure to retrofit the passenger side airbag assembly.
- Place the passenger airbag assembly on a soft surface to prevent damage.
 - Use pliers to grasp the single yellow wire inflator connector then wiggle as you pull up until it is disconnected from the inflator (Figure 98).
 - Release the yellow wire harness connector from the inflator housing bracket (Figure 99).

**Figure 98 – Inflator Connector****Figure 99 – Wire Harness Connector**

Service Procedure (Continued)

- d. Release the white wire from the three housing hooks (Figure 100).

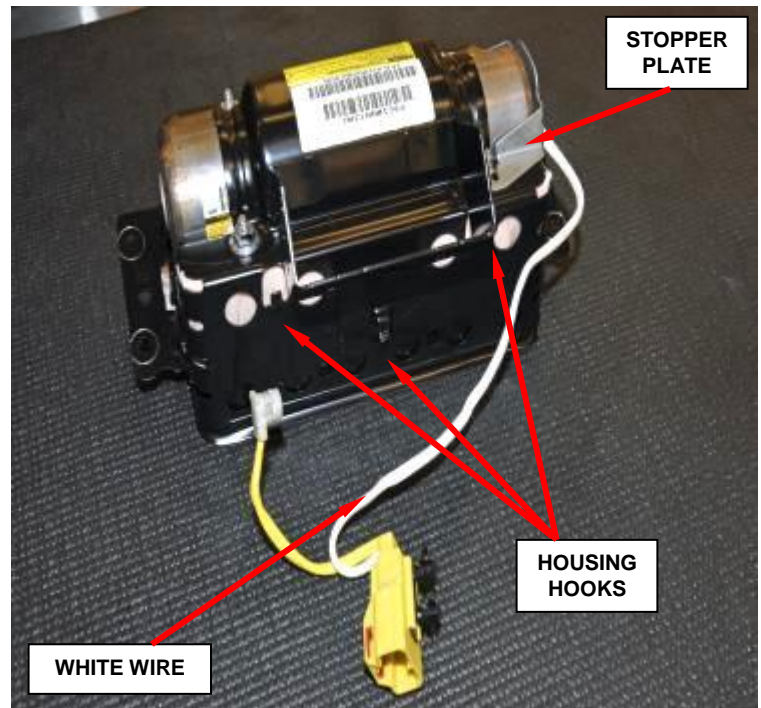


Figure 100 – White Wire Harness

- e. Remove and **discard** the four inflator mounting nuts (Figure 101).
- f. Remove and save stopper plate from housing (Figures 100 and 101).

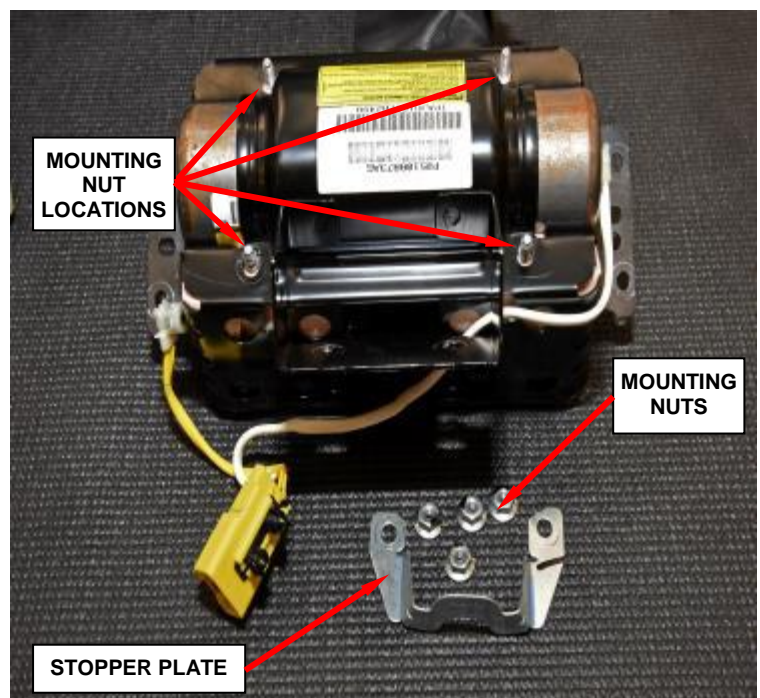


Figure 101 – Mounting Nuts and Stopper Plate

Service Procedure (Continued)

- g. Slide the inflator out of the housing (Figure 102).

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 (PSAN), continue with Step n.

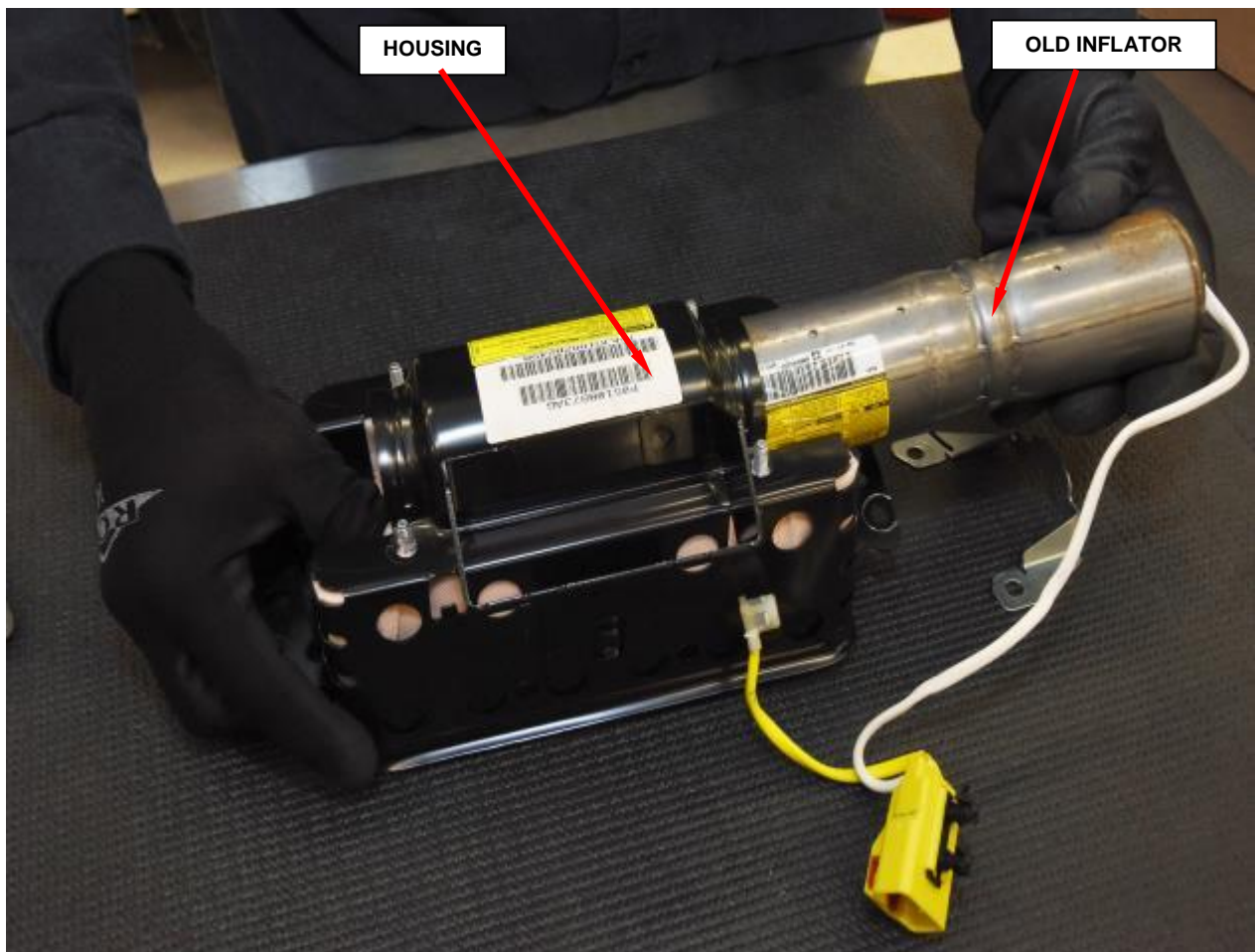


Figure 102 – Passenger Airbag Inflator Removal

Service Procedure (Continued)

- h. Remove airbag cushion from housing by applying pressure to the bolts, set cushion aside (Figure 103).

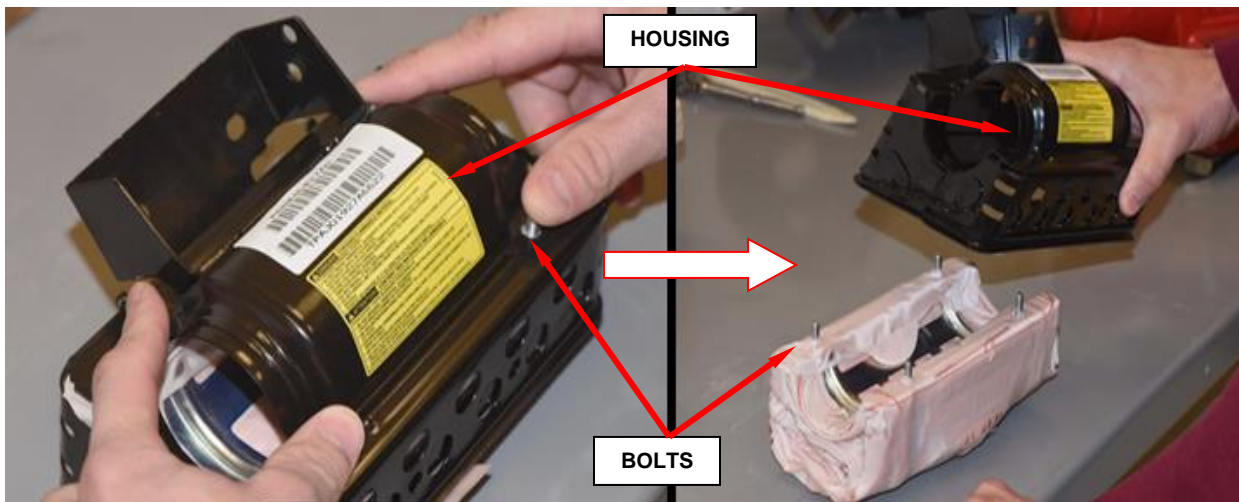


Figure 103 - Remove Airbag Cushion from Housing

- i. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 104).

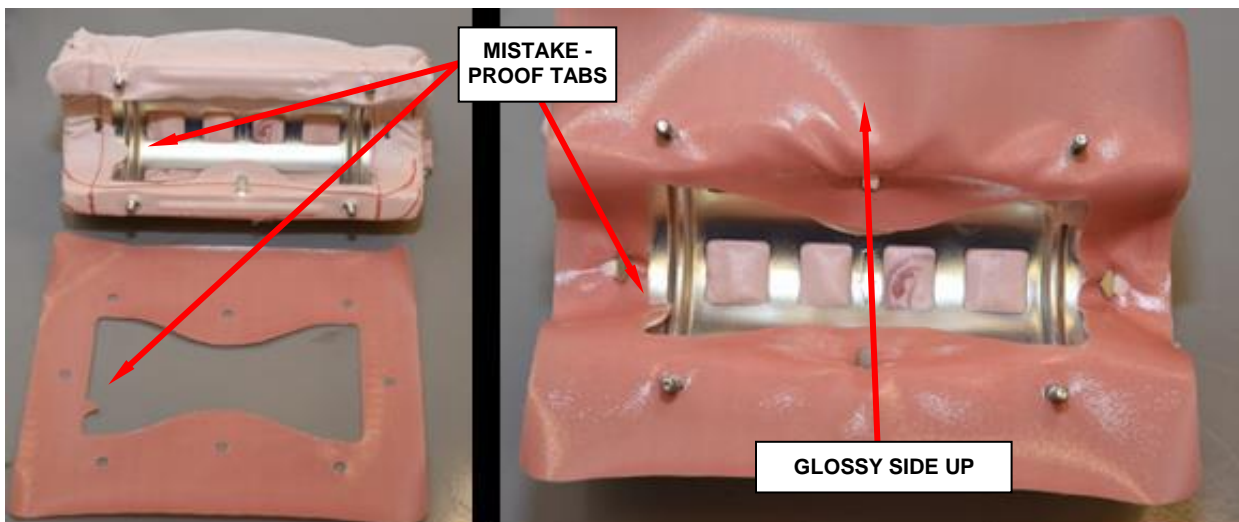


Figure 104 – Fabric Gasket to Cushion

Service Procedure (Continued)

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 105).

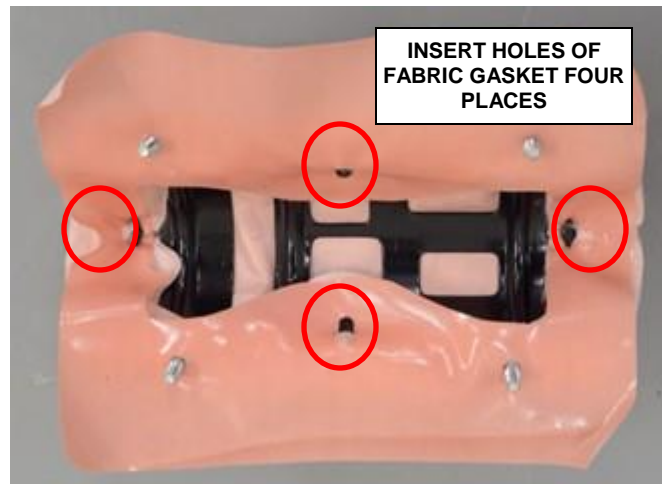


Figure 105 – Fabric Gasket

- 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 106).

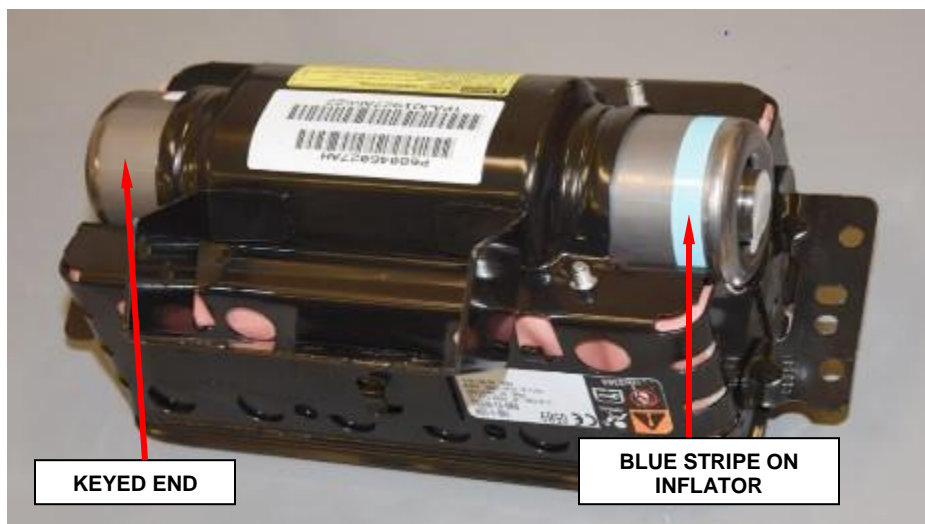


Figure 106 – Insert Inflator (Shown with Cushion Installed)

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 109).

1. Insert the cushion, pulling out both side flaps (Figure 107).

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

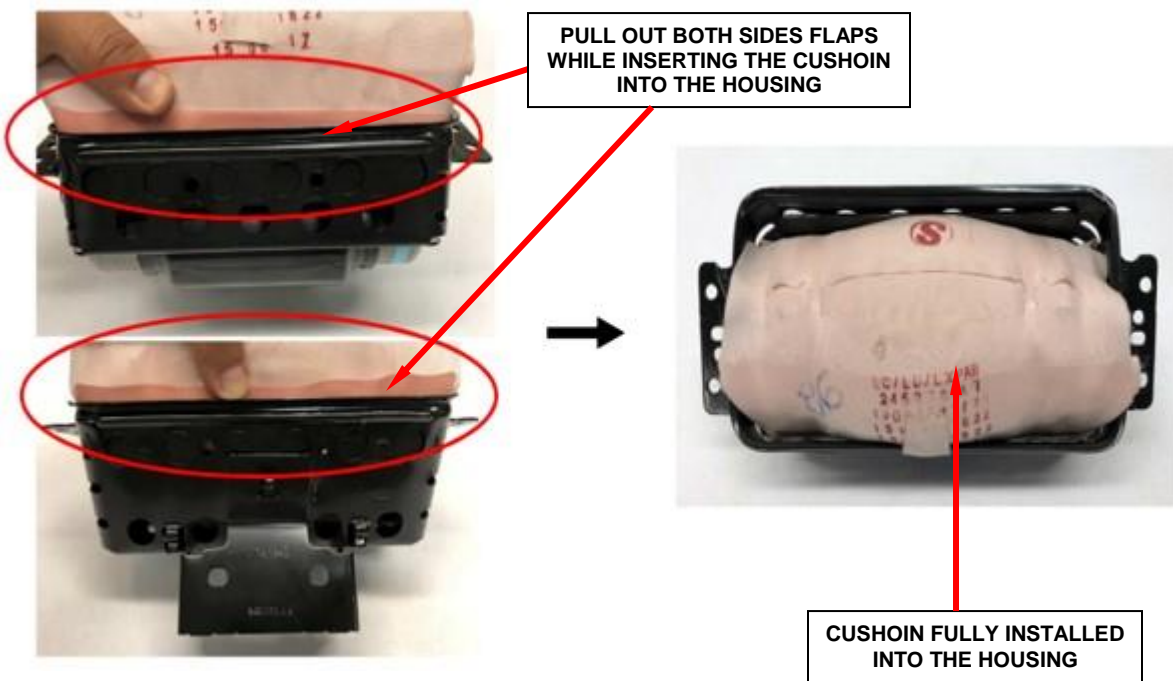


Figure 107 – Side Flaps Must Be Held Out

- 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 108 and 109).

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

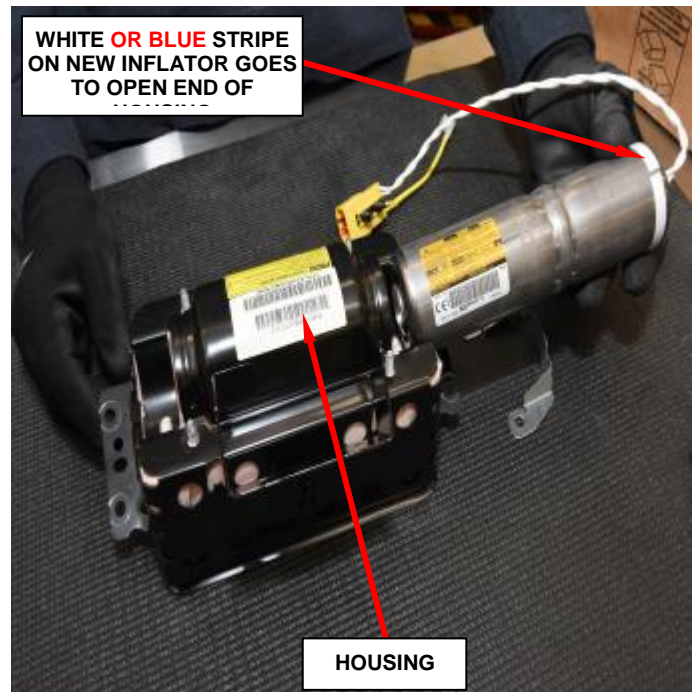


Figure 108 – Install New Inflator to Housing



Figure 109 – Inflator End Position

Service Procedure (Continued)

- o. Position the stopper plate to the airbag housing (Figure 110).

- p. Install the four **NEW** mounting nuts to the airbag housing and tighten to 53 in. lbs. (6 N·m) (Figure 110).

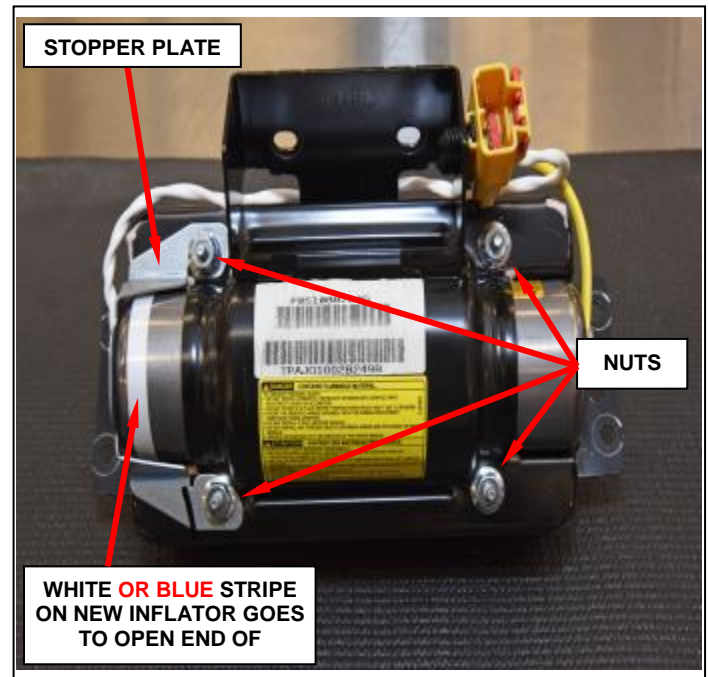


Figure 110 – Stopper Plate and Nuts

- q. Ensure that the inflator's key is still lined up with the housing's key (Figure 111).

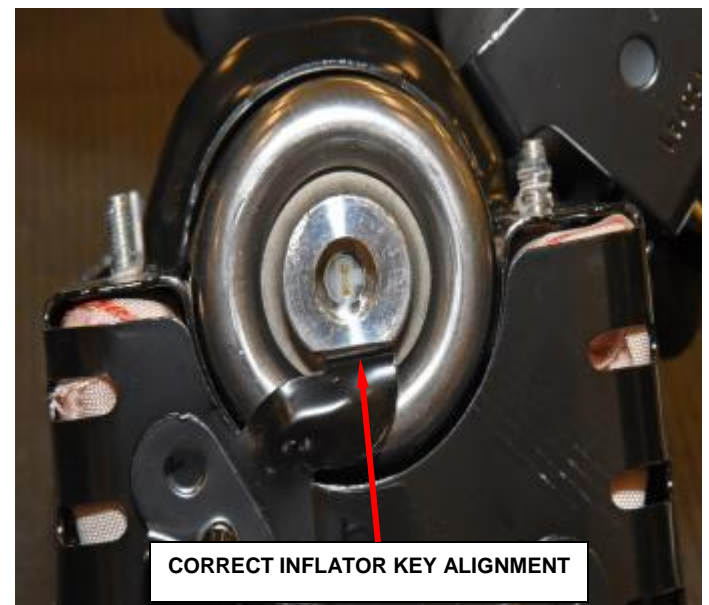


Figure 111 – Check for Inflator Key Alignment

Service Procedure (Continued)

- r. Attach the white wire to the three hooks on the housing (Figure 112).
- 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 112).
- u. Passenger airbag retrofit is complete (Figure 112).

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.

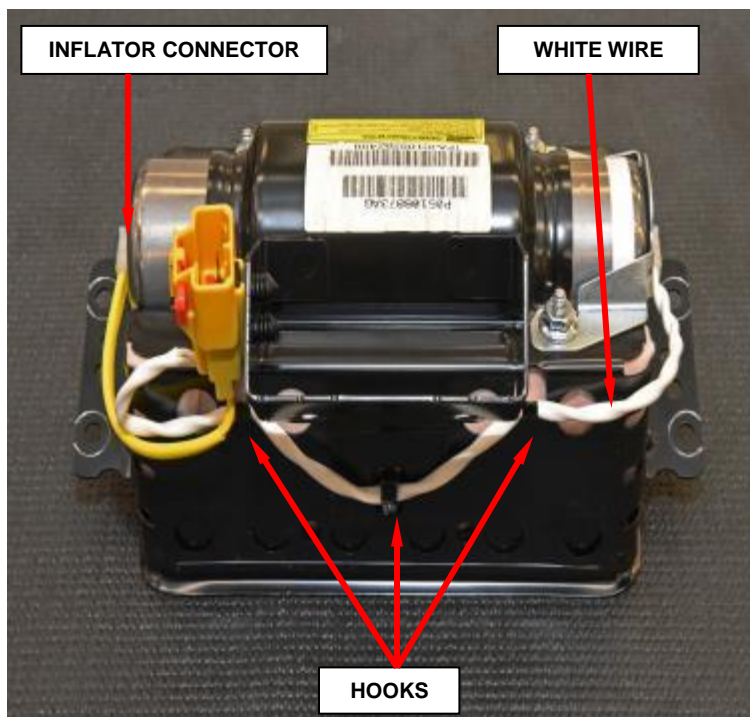


Figure 112 – Retrofit Complete

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.

Service Procedure (Continued)

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 L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**H. Replace Passenger Airbag Inflator: 2005 – 2007 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. Use the following steps to remove the defroster grille from the top of the instrument panel.

a. Open the trim covers in the driver side A-pillar grab handle and remove and save the bolts (Figure 113).

b. Remove the driver's side A-pillar trim (Figure 113)



Figure 113 – A-Pillar Trim

c. Open the trim covers in the passenger side A-pillar grab handle and remove and save the bolts.

d. Remove the passenger side A-pillar trim panel.

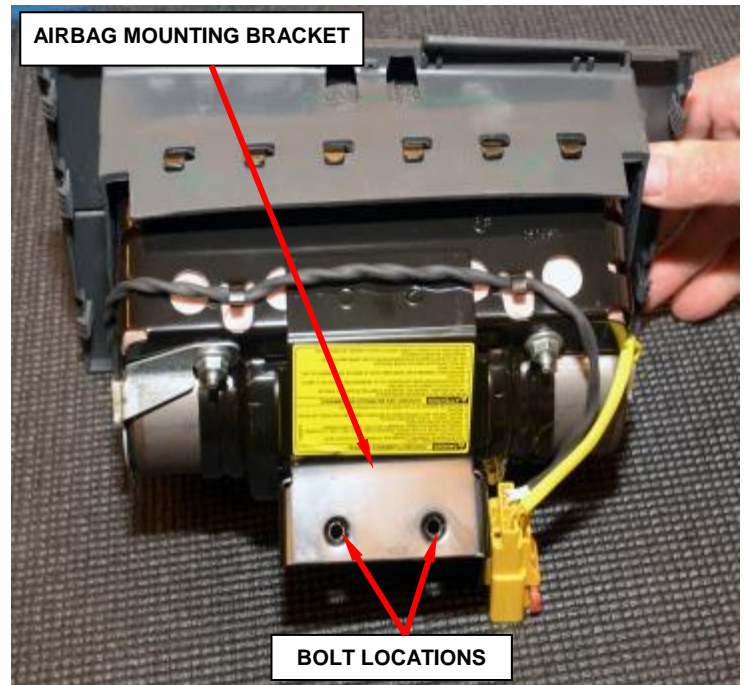
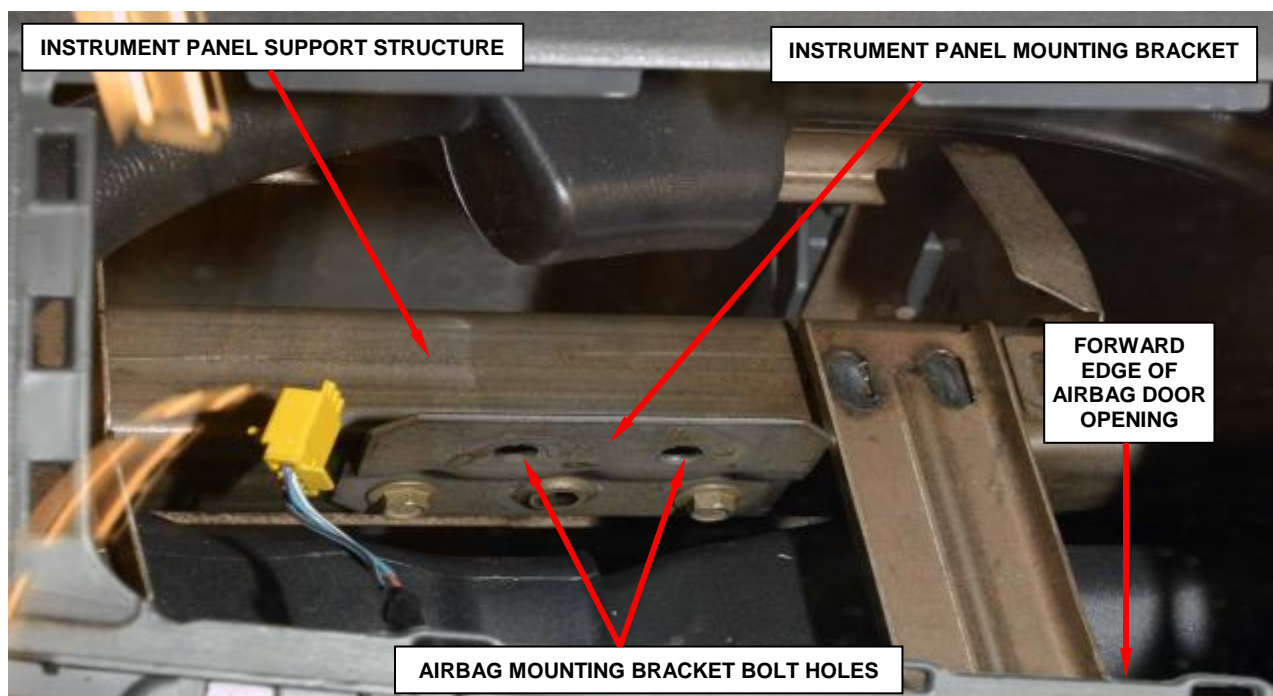
e. Using a trim stick, remove the instrument panel defroster grille (Figure 114).



Figure 114 – 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 bolts that secure the passenger airbag bracket to the instrument panel support structure (Figure 115) (Figure 116).

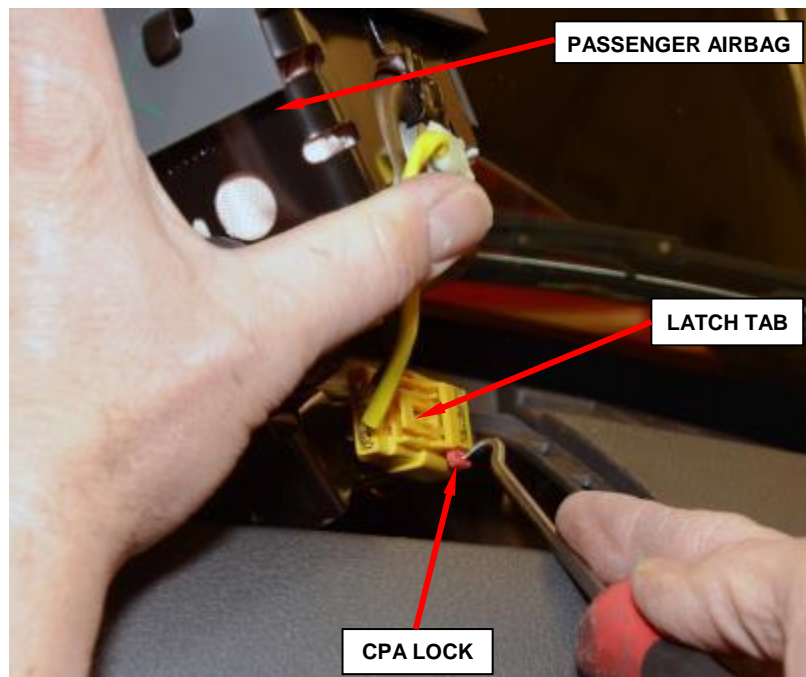
**Figure 115 – Passenger Airbag Mounting Bracket****Figure 116 – Instrument Panel Mounting Bracket Viewed through Windshield and Airbag Door Opening**

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 door from the receptacles in the instrument panel top pad (Figure 117).

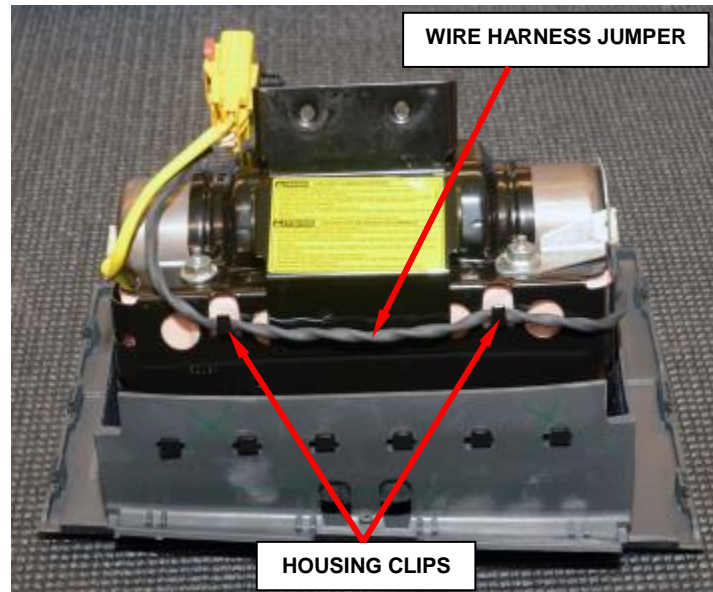
**Figure 117 – Passenger Airbag Door**

6. Pull the passenger airbag out of the instrument panel far enough to access and disconnect the instrument panel wire harness connector from the airbag inflator pigtail 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 118).
 - b. Depress the connector latch tab and pull the two halves of the connector straight away from each other.

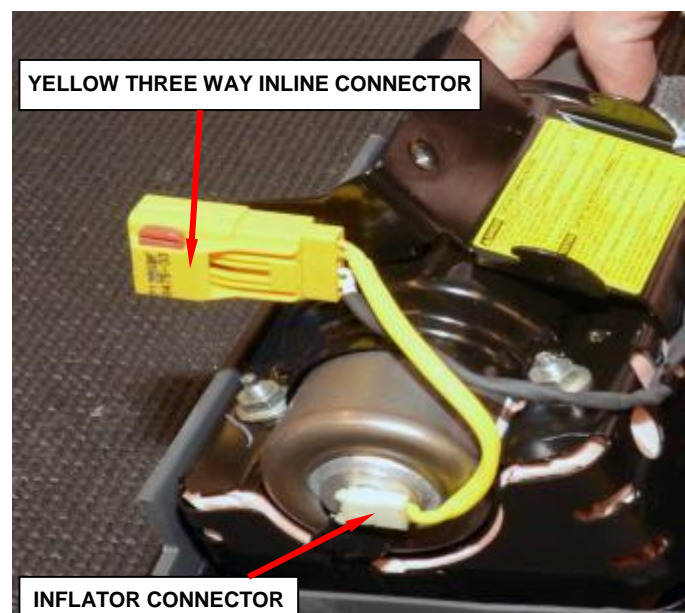
**Figure 118 – Airbag Inflator Pigtail Connector**

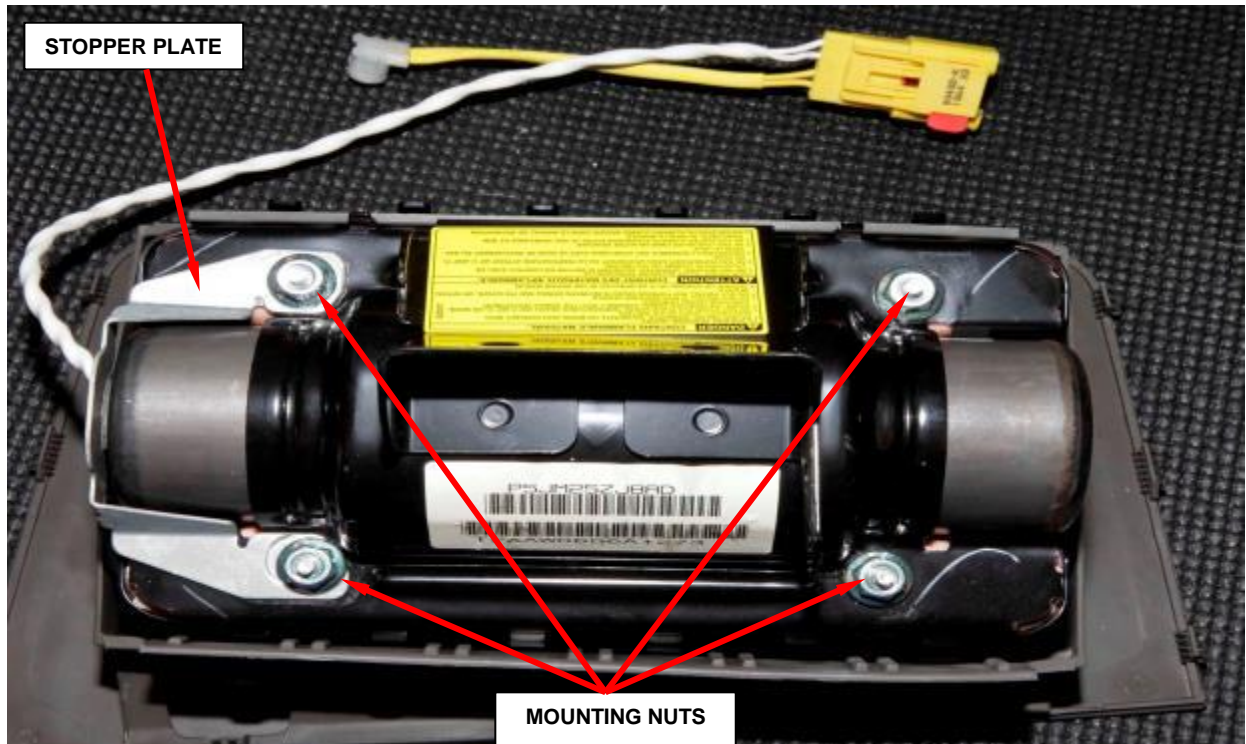
Service Procedure (Continued)

7. Remove the passenger airbag and airbag door from the instrument panel as a unit.
8. Use the following procedure to retrofit the passenger 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 119).

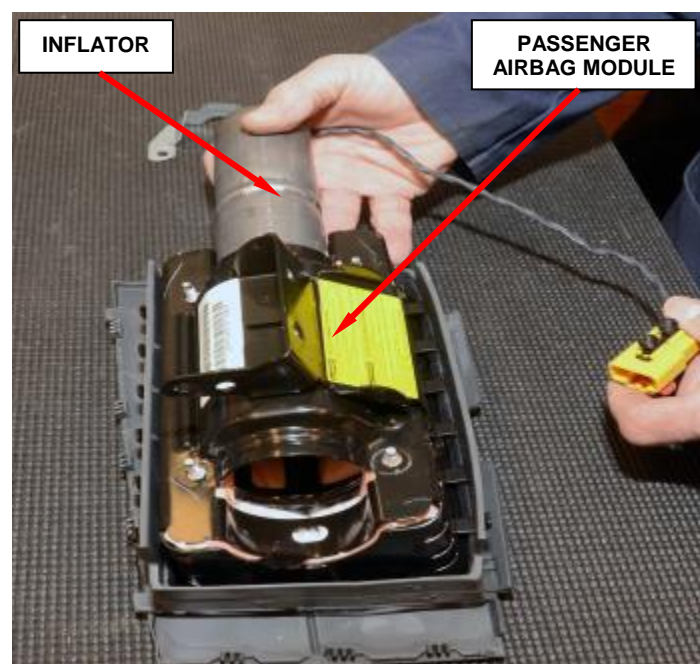
**Figure 119 – Passenger Airbag Assembly**

- c. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 120).
 - d. Remove the yellow three way inline connector from the housing bracket (Figure 120).

**Figure 120 – Inflator Connectors**

Service Procedure (Continued)**Figure 121 – Mounting Nuts and Stopper Plate**

- e. Remove and discard the four mounting nuts and stopper plate from the passenger airbag module (Figure 121).
- f. Slide the inflator out of the passenger airbag module (Figure 122).

**Figure 122 – Inflator Removal**

Service Procedure (Continued)

- For 2007 MY ND vehicles, continue to Step p.
 - For 2005-2006 MY ND vehicles, if using replacement inflator kit **CBXZS432AA (PSAN)**, then continue with Step p.
 - For 2005-2006 MY ND vehicles, if using replacement inflator kit **CBXZS433AB 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 123).

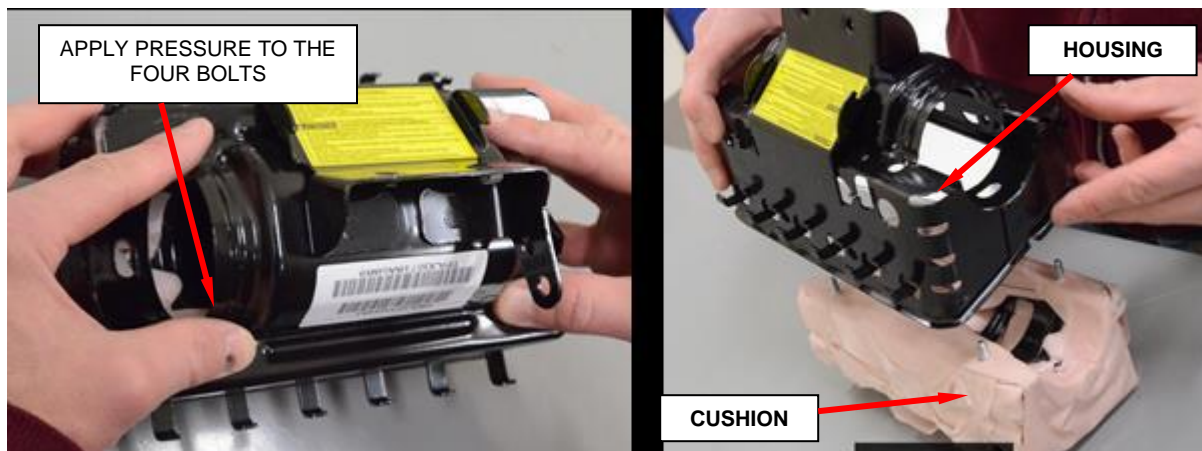


Figure 123 – Remove Airbag Cushion from Housing

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 124).

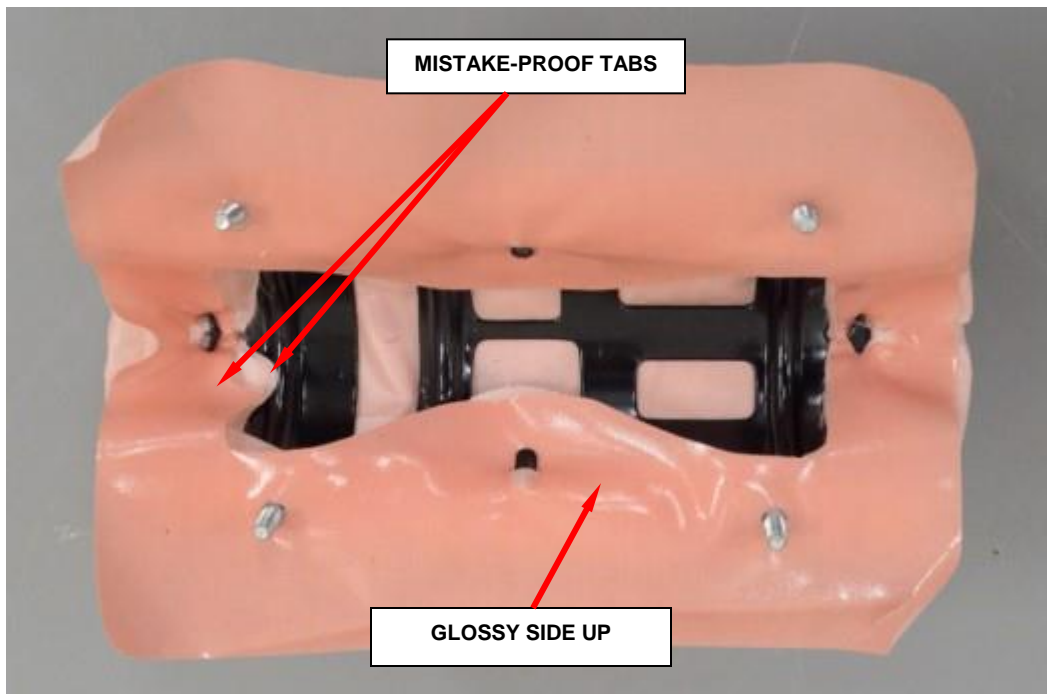


Figure 124 – Fabric Gasket to Cushion (Glossy Side Up)

Service Procedure (Continued)

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 125).

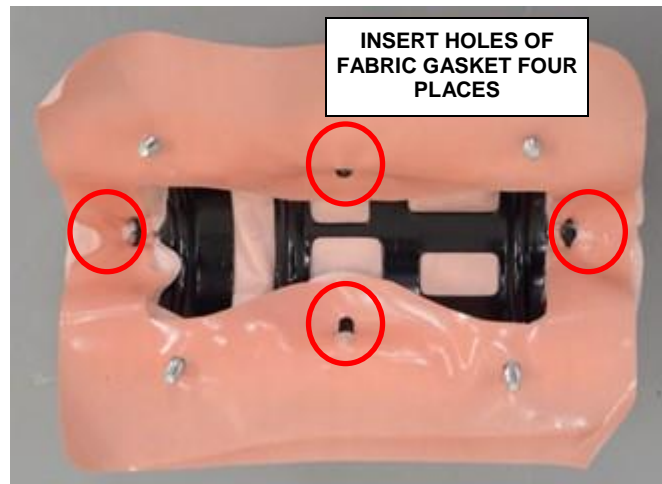


Figure 125 – Fabric Gasket

- 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 126).

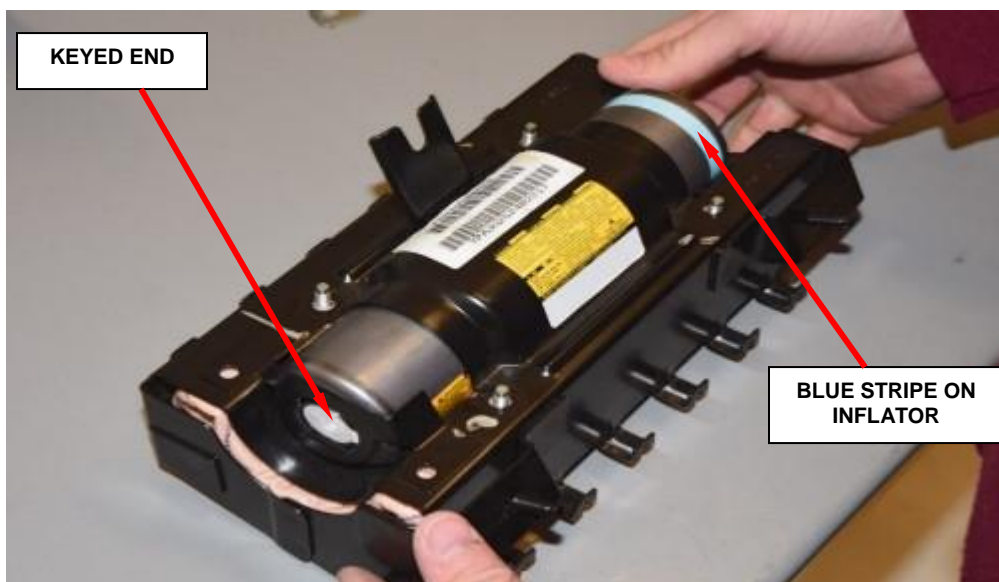


Figure 126 – Insert Inflator

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 128).

1. Insert the cushion, pulling out both side flaps (Figure 127).

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

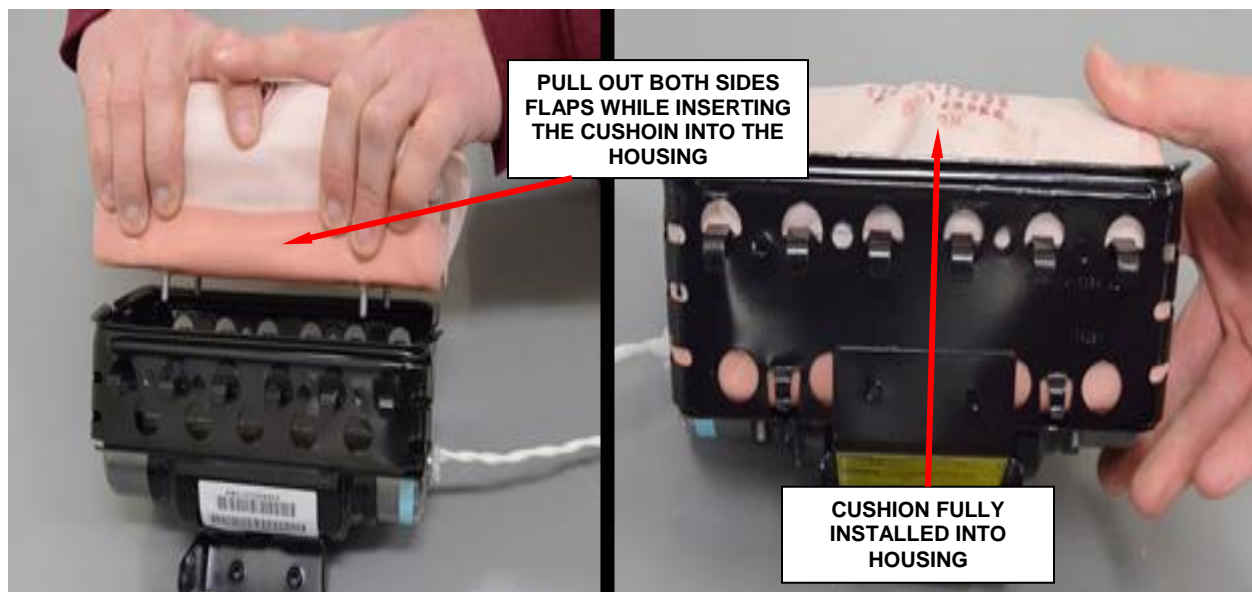


Figure 127 - Side Flaps Must Be Held Out

- 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 128).

NOTE: The inflator is keyed to fit into the housing (Figure 128).

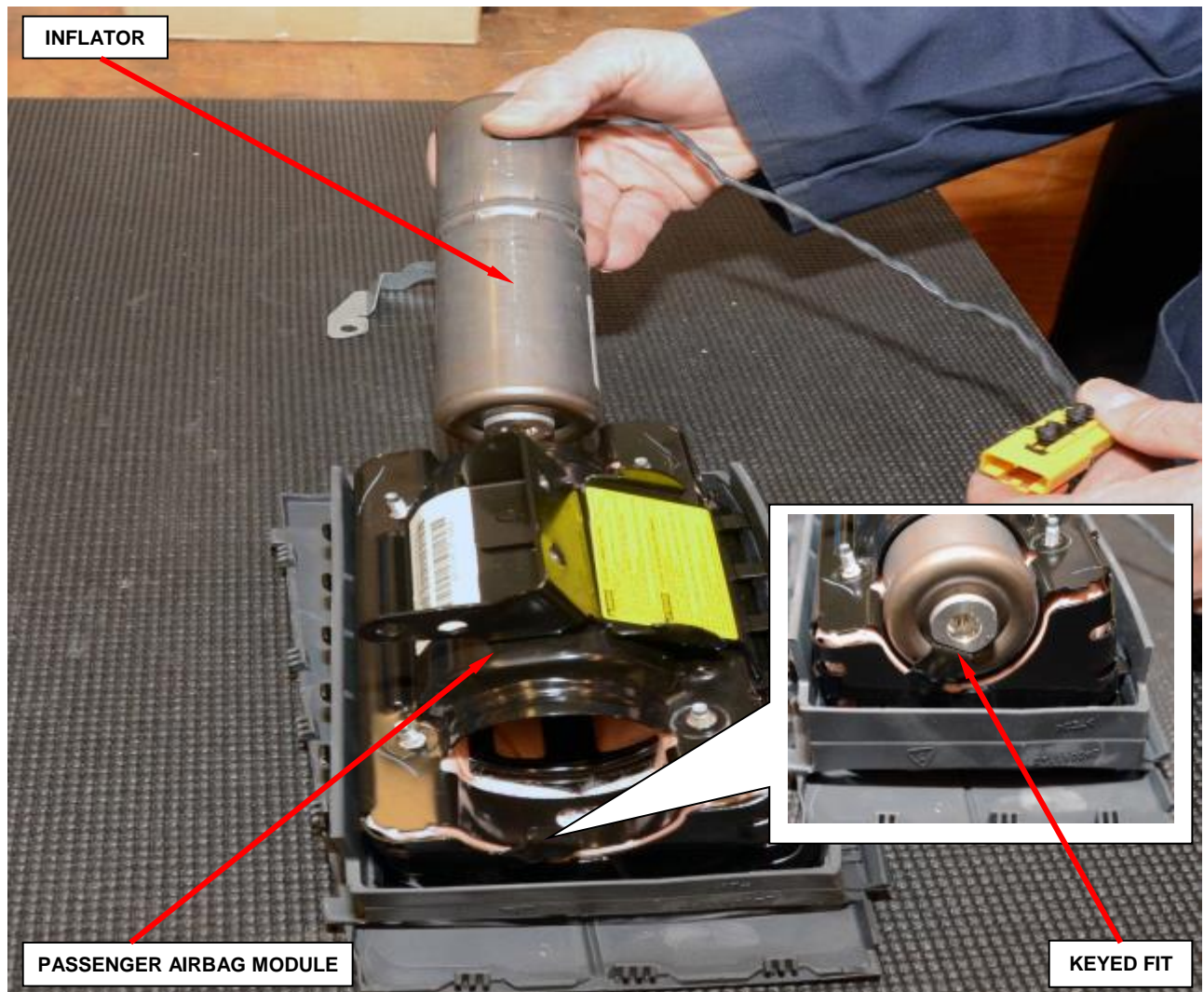


Figure 128 – Passenger Inflator Installation

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 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 harness jumper under the housing clips in two places (Figure 94).

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 passenger 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 bolts that secure the passenger airbag mounting bracket to the instrument panel support structure through the access holes. Tighten the screws 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. Install the defroster grille onto the top of the instrument panel.
17. Install the passenger side A-pillar trim.
18. Install the passenger side grab handle.
19. Install the driver's side A-pillar trim.
20. Install the driver side grab handle.
21. **Do not connect the battery negative cable at this time. Continue with Section L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**I. Replace Passenger Airbag Inflator: 2008 – 2011 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 129).
- e. Disconnect the console assembly wire harness connector located underneath the floor console and remove the floor console from the vehicle.

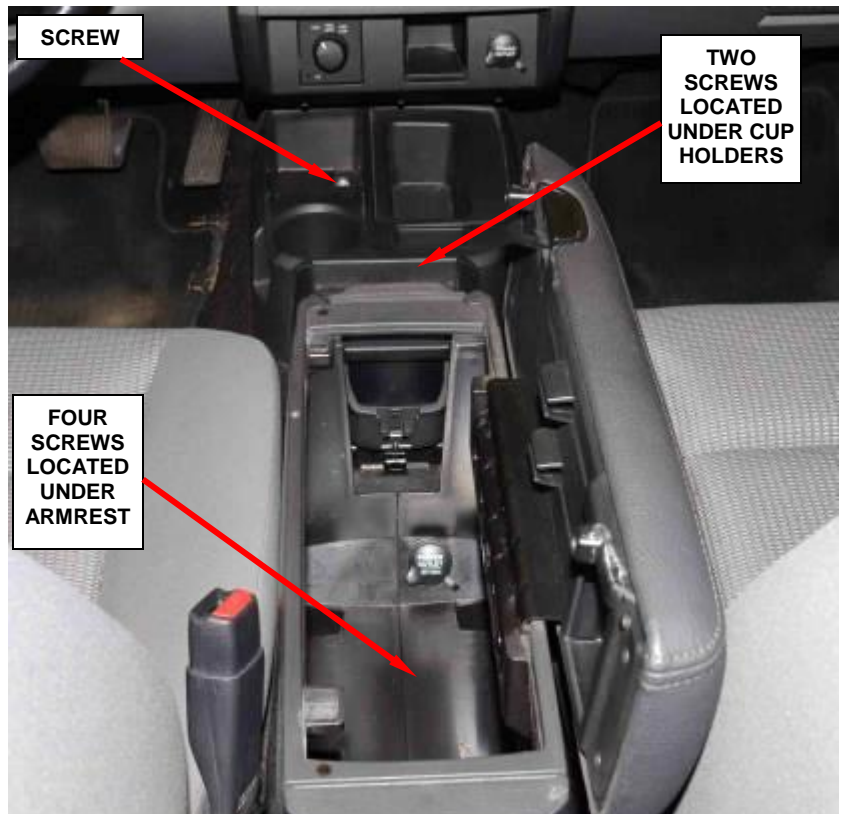


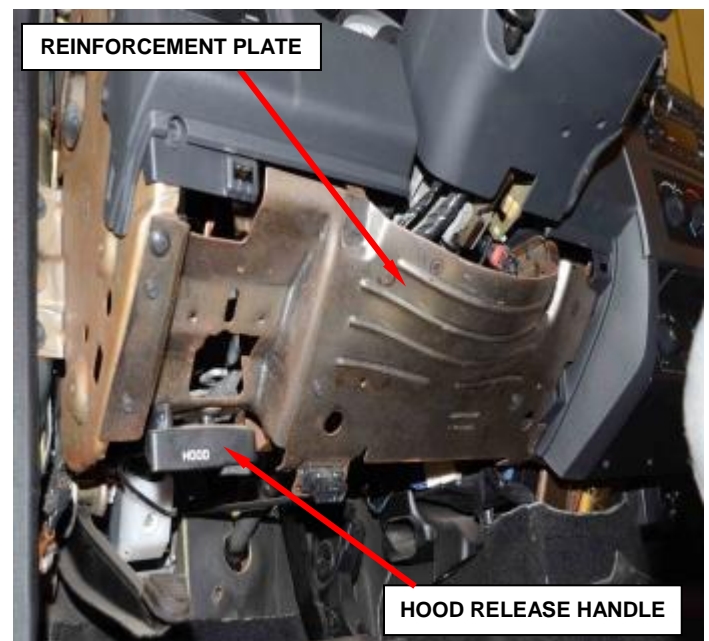
Figure 129 – Floor Console (ATX Shown)

Service Procedure (Continued)

3. Remove the driver and passenger side door sill trim cover (Figure 130).
4. Remove the driver and passenger side instrument panel end caps (Figure 130).
5. Remove the steering column opening cover and disconnect the parking brake linkage (Figure 131).
6. Remove the steering column reinforcement plate (Figure 131).
7. Remove the two hood release handle screws and position the handle to the side (Figure 131).



**Figure 130 – Door Sill Trim
(Driver Side Shown)**



**Figure 131 – Steering Column Reinforcement
Plate**

Service Procedure (Continued)

8. Position the front wheels straight ahead.
9. Remove the steering column tilt lever knob (Figure 132).
10. Remove the three screws from the lower steering column shroud and remove the upper and lower shrouds (Figure 132).
11. Disconnect the brake switch electrical connector (Figure 133).

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 132 – Steering Column Shrouds

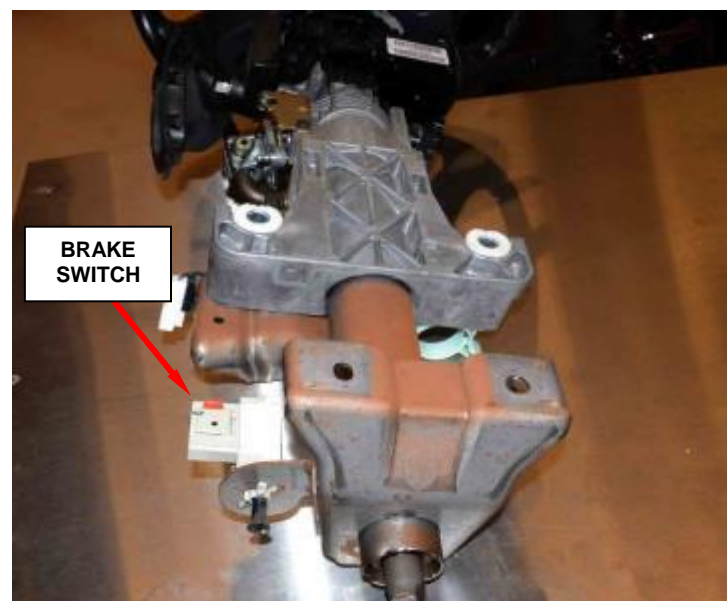


Figure 133 - Brake Switch Connector (Column out of Vehicle for Photographic Purposes)

Service Procedure (Continued)

12. Disconnect the wiring harness electrical connectors from the column (Figure 134).
 - a. Disconnect the accelerator position sensor electrical connector (Figure 134).

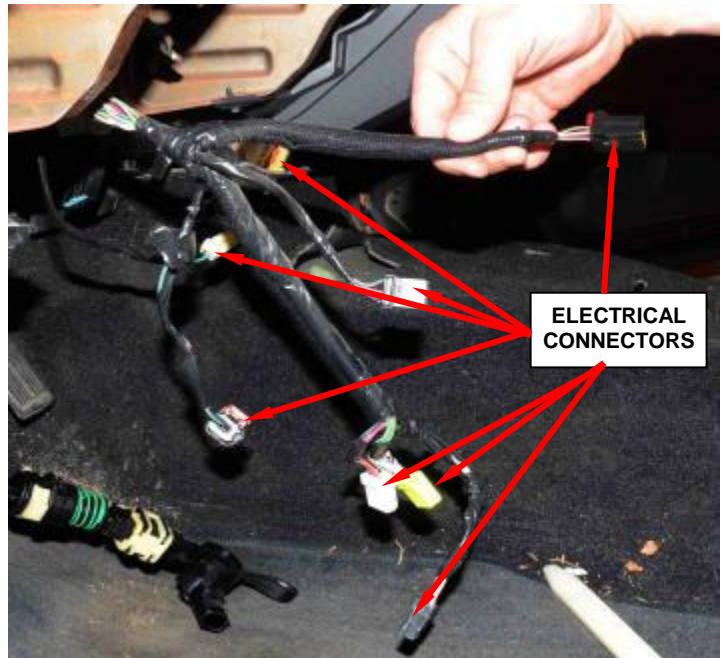


Figure 134 – Column Electrical Connectors

13. Disconnect the gearshift cable from the column (Figure 135).
 - a. Disconnect the BTSI wiring connector.
 - b. Disconnect cable at lower column bracket and shift lever pin.

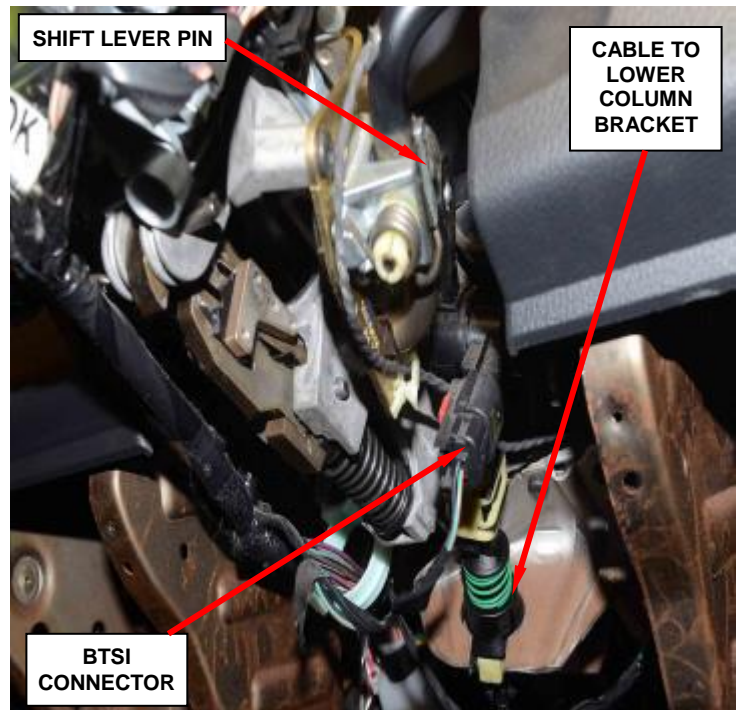


Figure 135 – Gear Shift Cable

Service Procedure (Continued)

14. Remove and **discard** the upper steering shaft coupler bolt from the column (Figure 136).
15. Separate the shaft from the coupler.

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

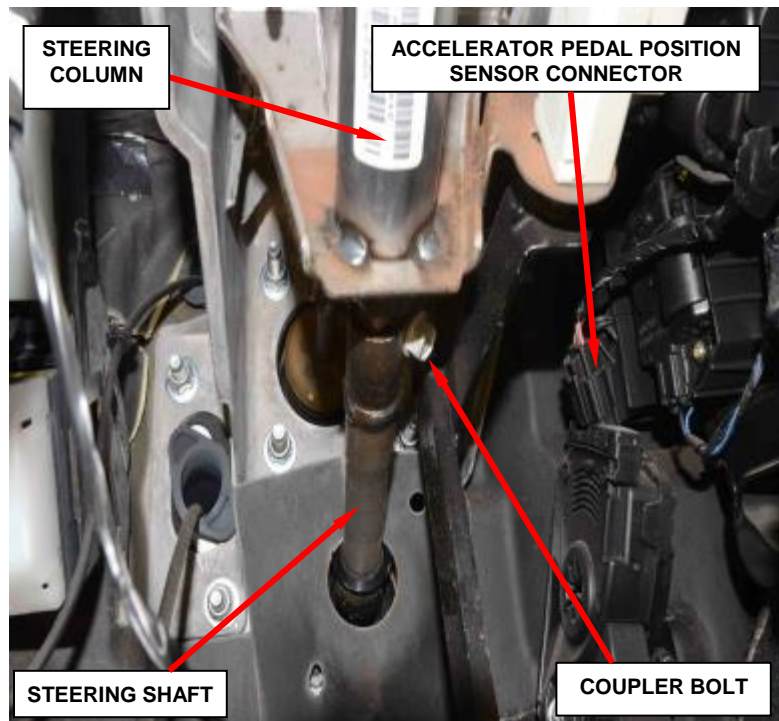


Figure 136 – Steering Shaft Coupler

16. Remove the four steering column mounting nuts (Figures 137 and 138).
17. Remove the steering column assembly from the vehicle.

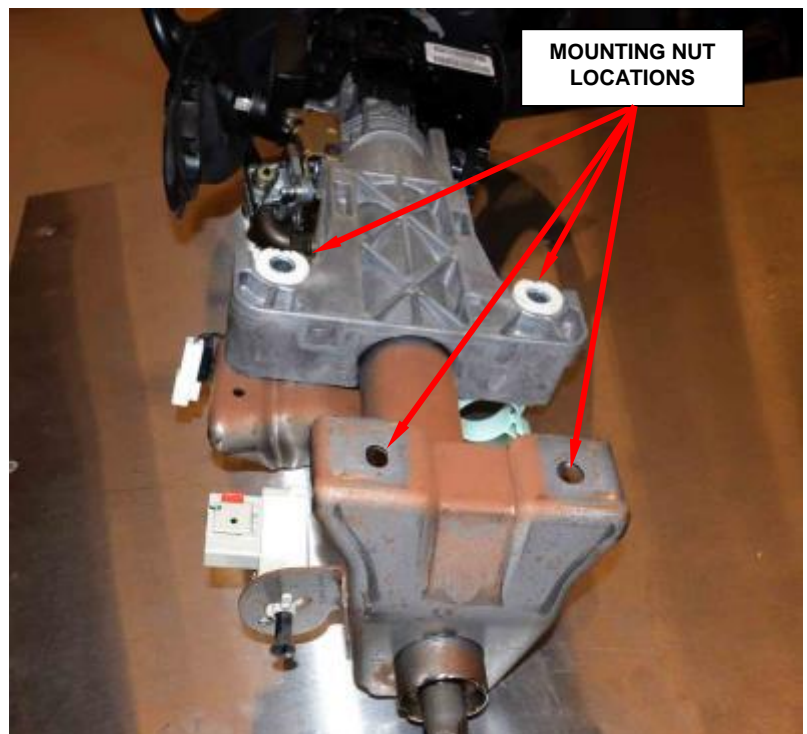


Figure 137 - Steering Column Mounting (Column Removed for Photographic Purposes)

Service Procedure (Continued)

18. Remove the bolts from the pedal support (Figure 138).

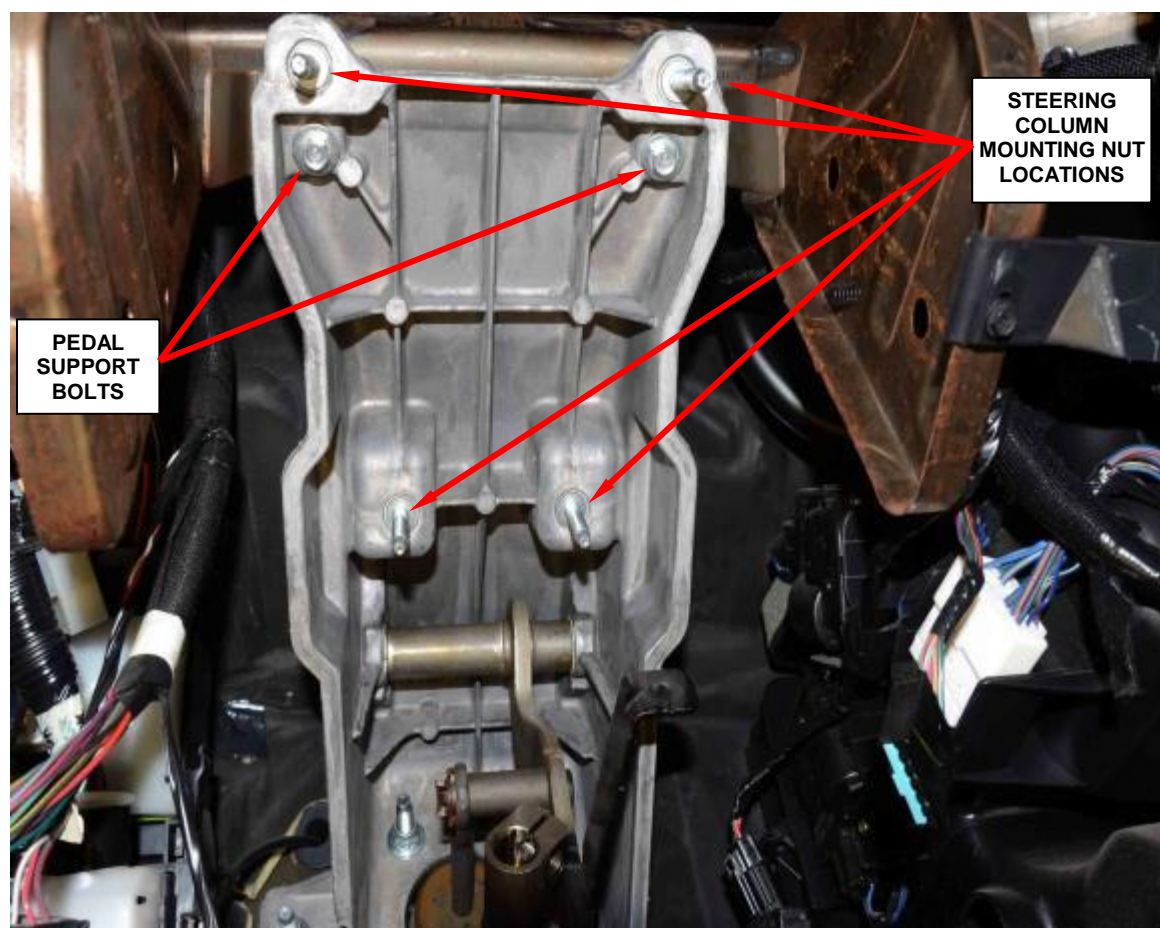


Figure 138 – Pedal Support Bolts

Service Procedure (Continued)

19. Loosen the screws and disconnect the electrical connectors (Figure 139).

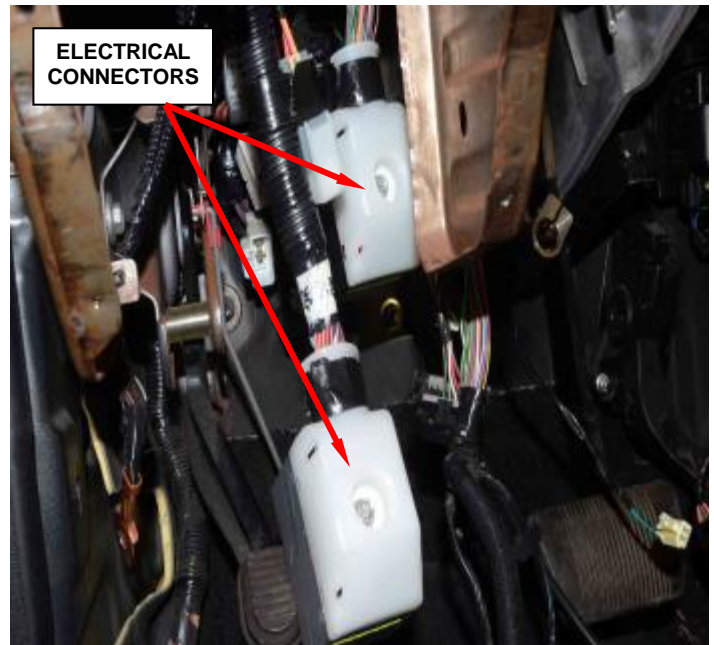


Figure 139 – Electrical Connectors

20. Remove the bolt and the ground from the left A-pillar (Figure 140).

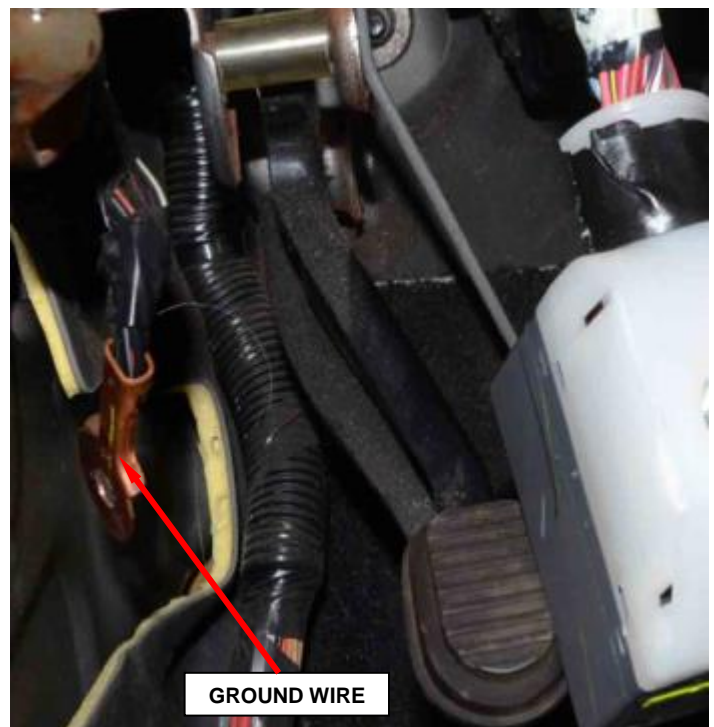


Figure 140 – Bolt and Ground Location

Service Procedure (Continued)

21. Disconnect one ORC module electrical connector (Figure 141).
22. Disconnect the HVAC electrical connector (Figure 141).
23. Disconnect the satellite antenna connector (Figure 141).
24. Remove the two center support bolts (Figure 142).
25. Remove the two left support bolts (Figure 142).

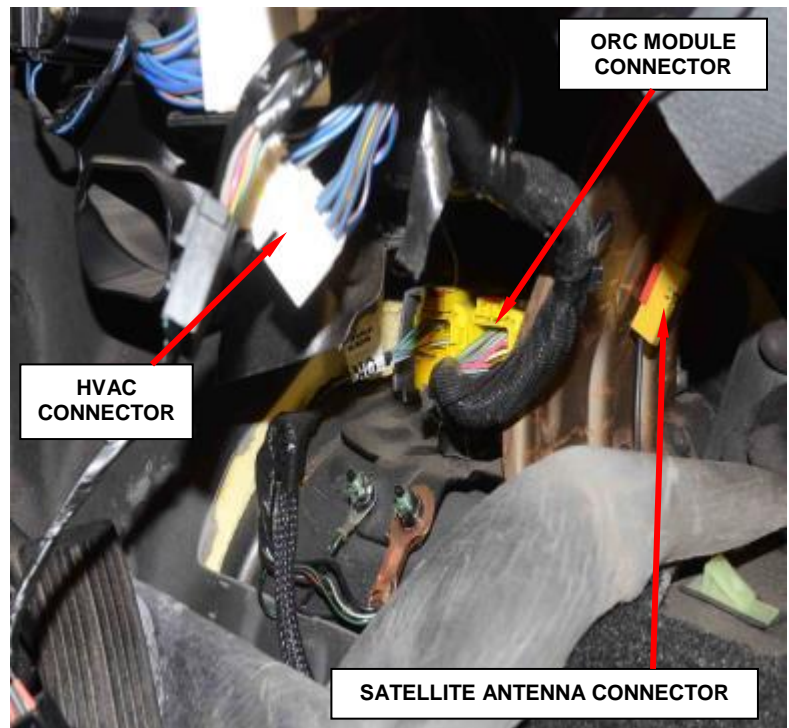


Figure 141 – ORC Module



Figure 142 - Support Bolts

Service Procedure (Continued)

26. Remove the bolt and nut and disconnect the grounds on the right A-pillar (Figure 143).
27. Disconnect the antenna cable (143).
28. Remove the right and left side A-pillar trim (Figure 144).

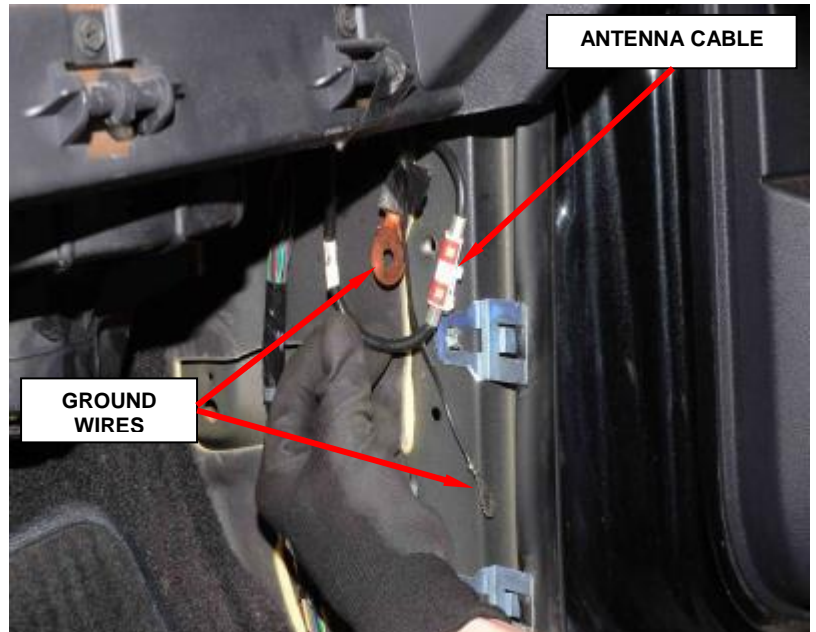


Figure 143 – Ground Bolt and Nut

29. Disconnect the right side A-pillar electrical connector (Figure 144).
30. Remove the defroster grille.

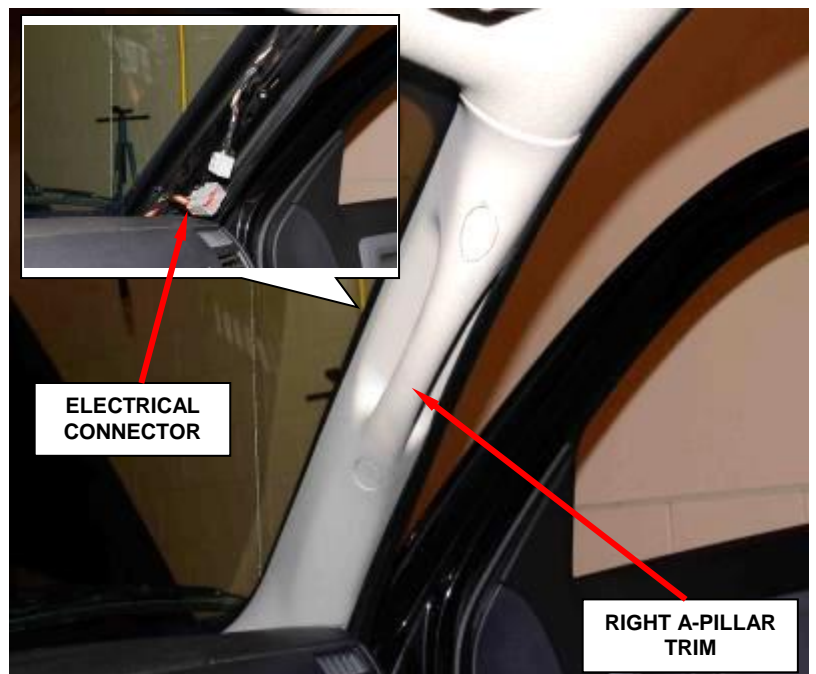


Figure 144 – A-Pillar Trim (Right Side Shown)

Service Procedure (Continued)

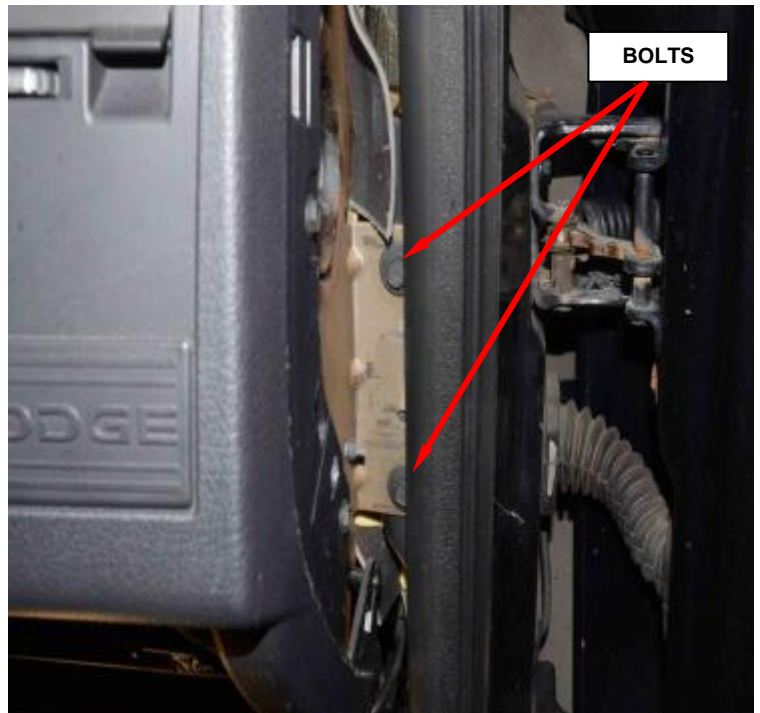
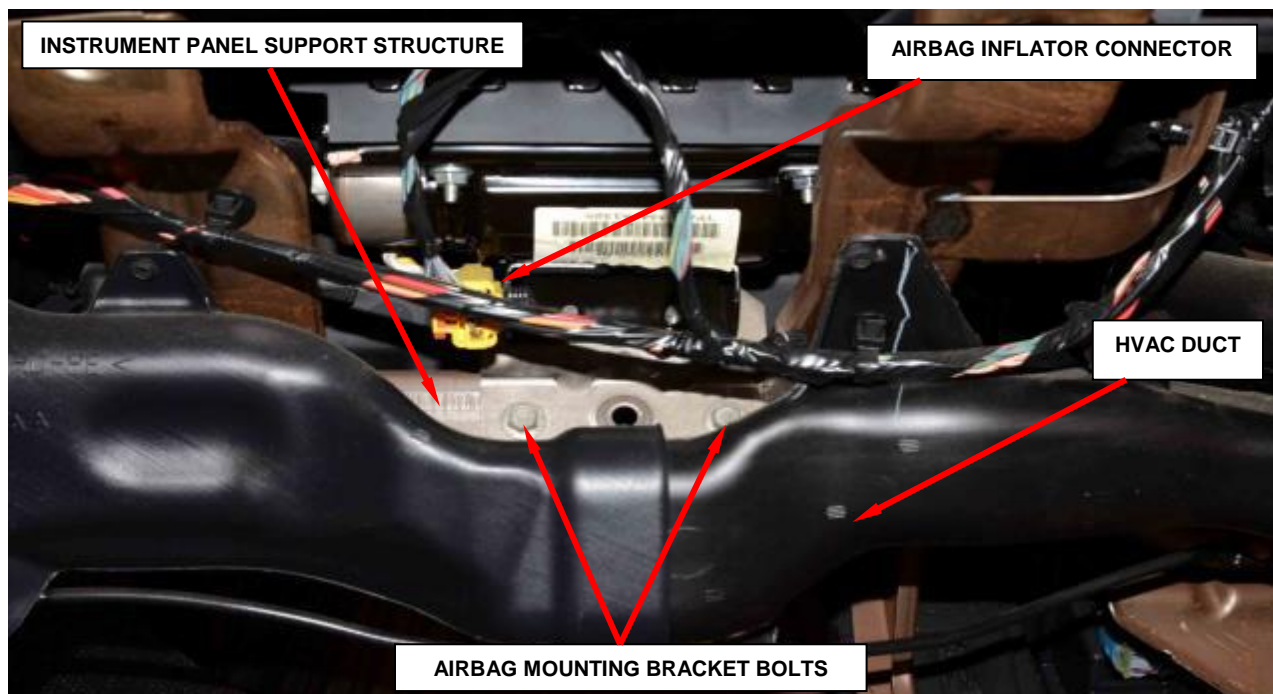
31. Remove the five upper fence line bolts (Figure 145).



Figure 145 - Fence Line Bolts

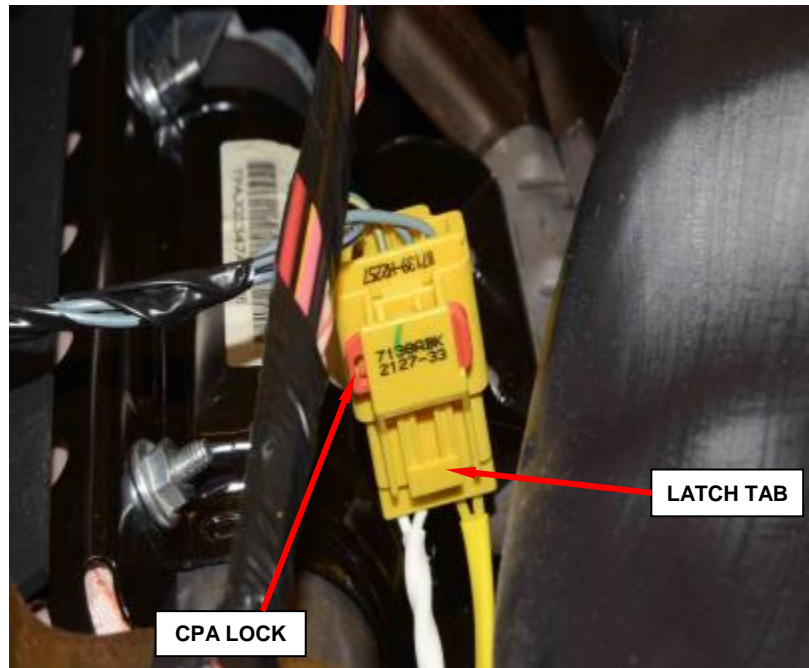
Service Procedure (Continued)

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 146).
33. Remove and save the two bolts that secure the passenger airbag bracket to the instrument panel support structure (Figure 147).

**Figure 146 - Right Side Support Bolts****Figure 147 – 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 147 and 148).
- Slide the red Connector Position Assurance (CPA) lock on the connector toward the side of the connector (Figure 148).
 - Depress the connector latch tab and pull the two halves of the connector straight away from each other.

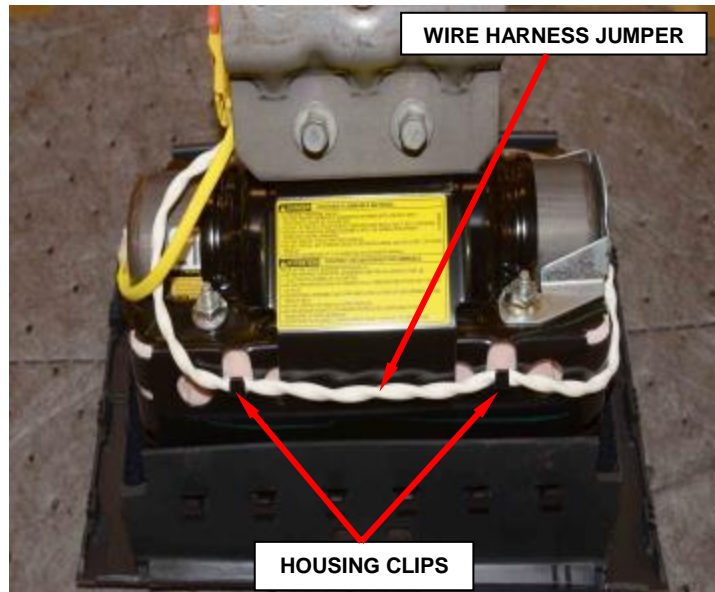
**Figure 148 - Airbag Inflator Pigtail Connector**

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 149).

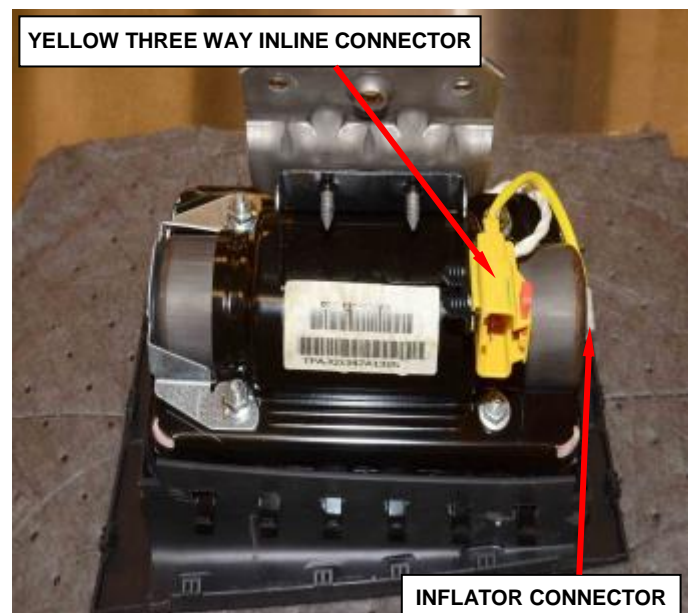
**Figure 149 – Passenger Airbag Door**

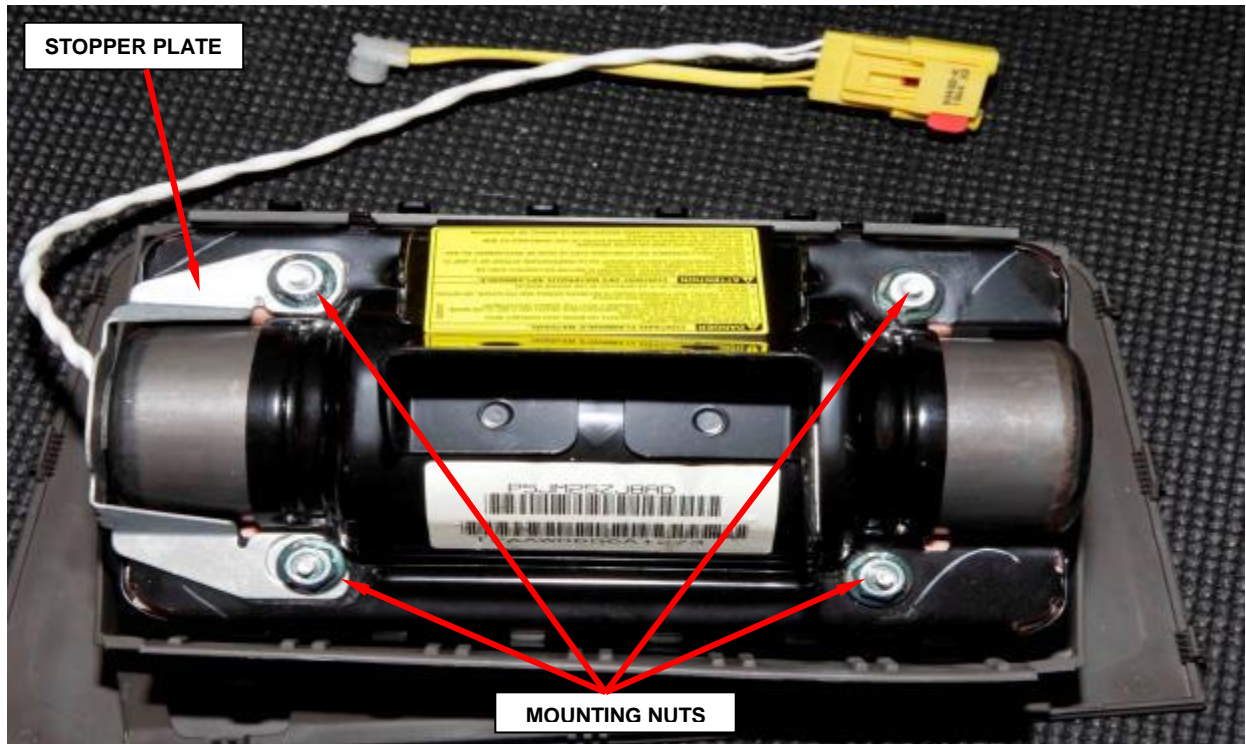
Service Procedure (Continued)

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 150).

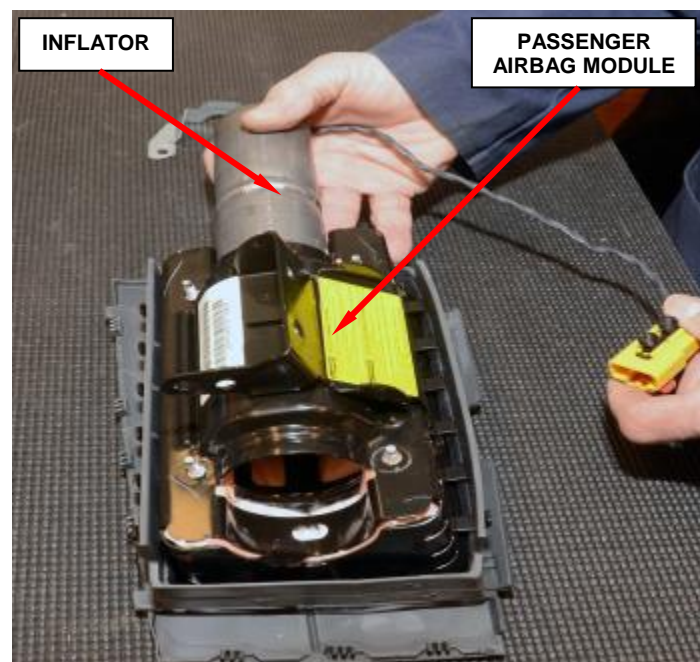
**Figure 150 – Passenger Airbag Assembly**

- c. Disconnect the single yellow wire inflator connector from the end of the inflator using pliers (Figure 151).
 - d. Remove the yellow three way inline connector from the housing bracket (Figure 151).

**Figure 151 – Inflator Connectors**

Service Procedure (Continued)**Figure 152 – Mounting Nuts and Stopper Plate**

- e. Remove and discard the four mounting nuts and stopper plate from the passenger airbag module (Figure 152).
- f. Slide the inflator out of the passenger airbag module (Figure 153).

**Figure 153 - Inflator Removal**

Service Procedure (Continued)

- For 2008-2011 MY ND vehicles, if using replacement inflator kit **CBXZS432AA (PSAN)**, then continue with Step p.
- For 2008-2011 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 154).

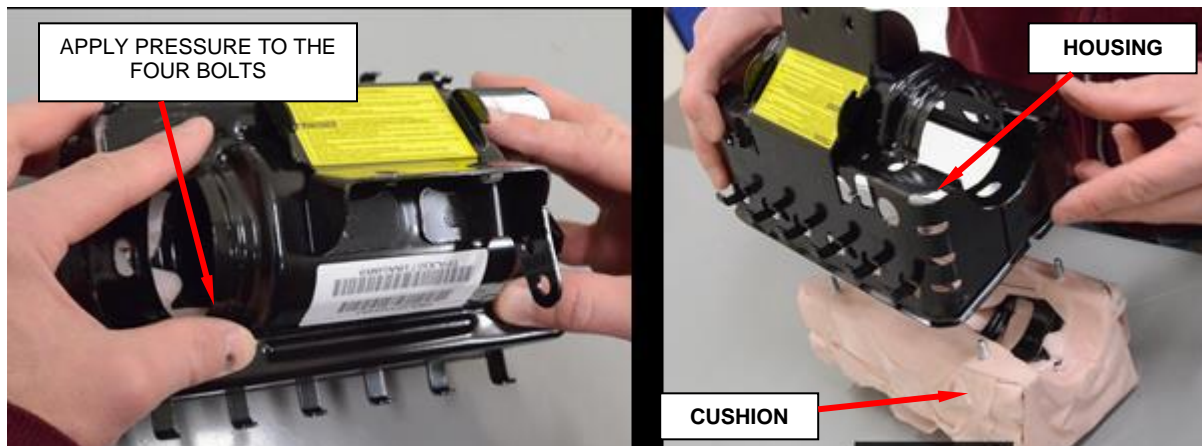


Figure 154 – Remove Airbag Cushion from Housing

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 155).

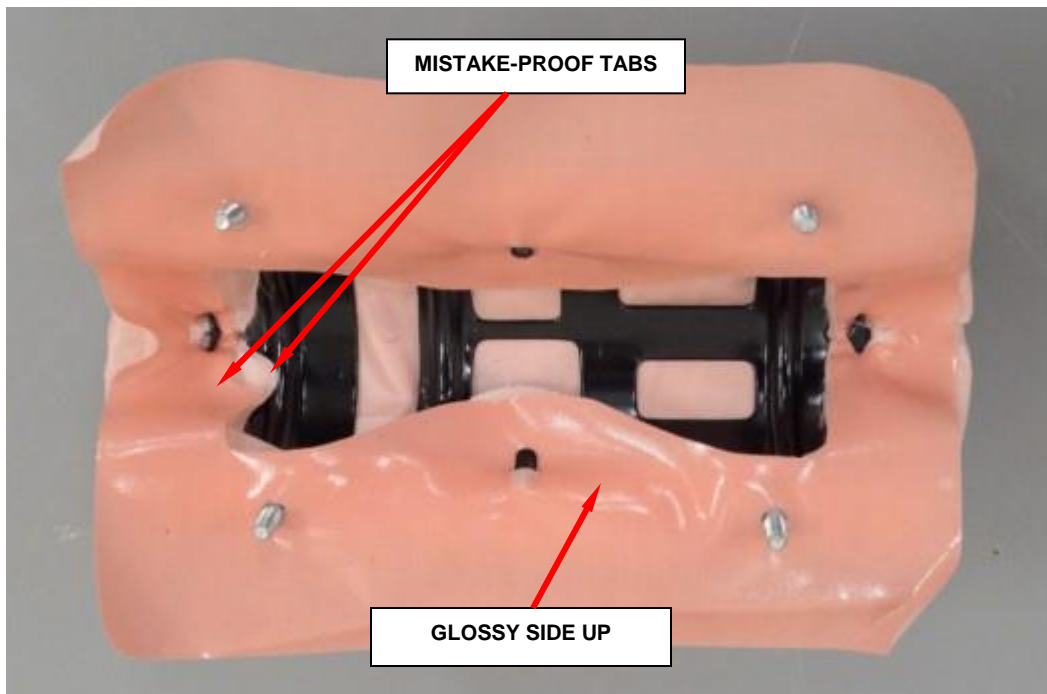


Figure 155 – Fabric Gasket to Cushion (Glossy Side Up)

Service Procedure (Continued)

- j. With the help of a trim tool insert the holes of fabric gasket, four places (Figure 156).

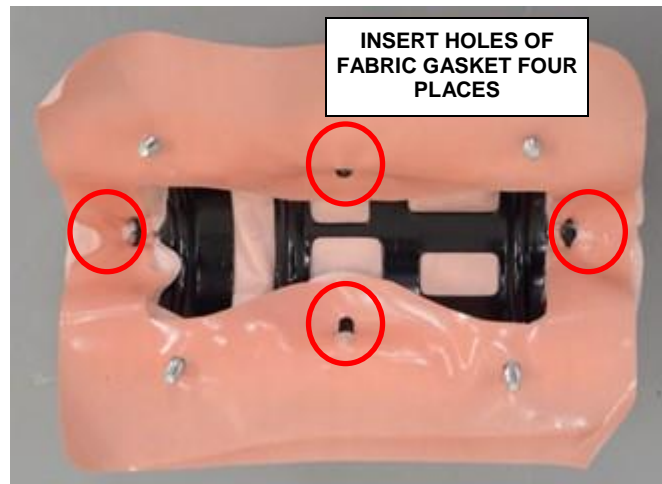


Figure 156 – Fabric Gasket

- 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 157).

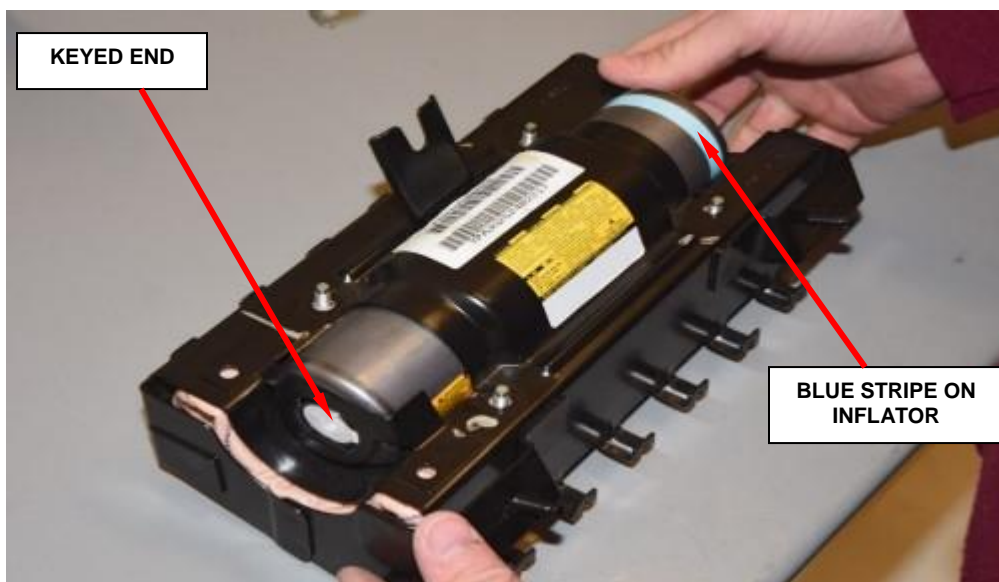


Figure 157 – Insert Inflator

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 159).

- l. Insert the cushion, pulling out both side flaps (Figure 158).

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

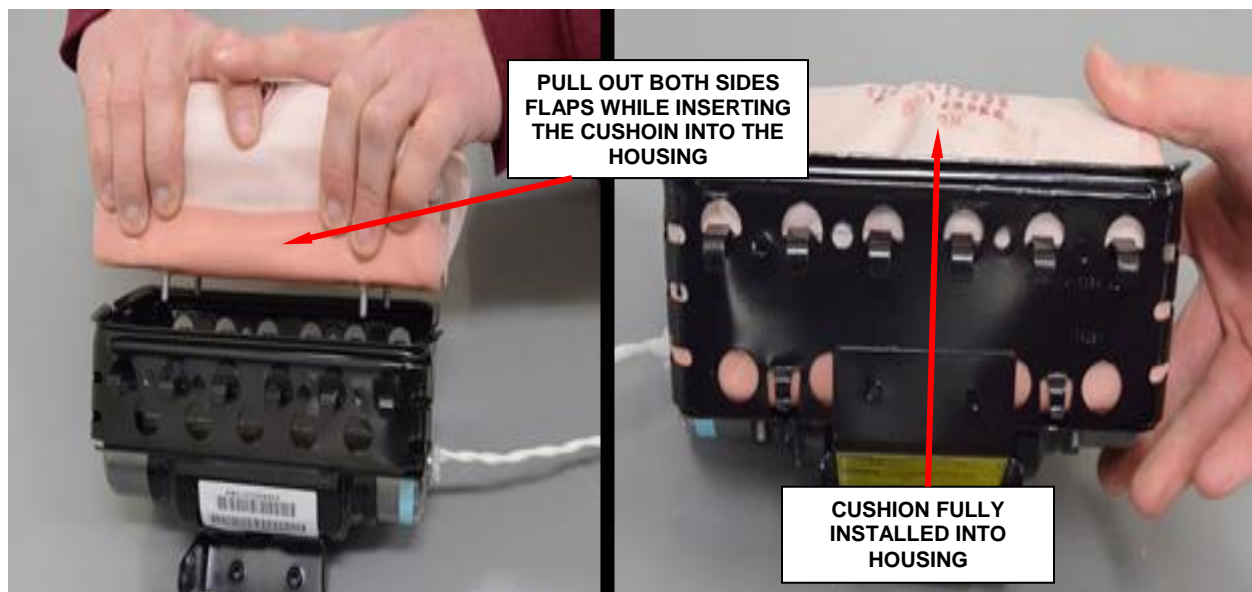


Figure 158 - Side Flaps Must Be Held Out

- 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 159).

NOTE: The inflator is keyed to fit into the housing (Figure 159).

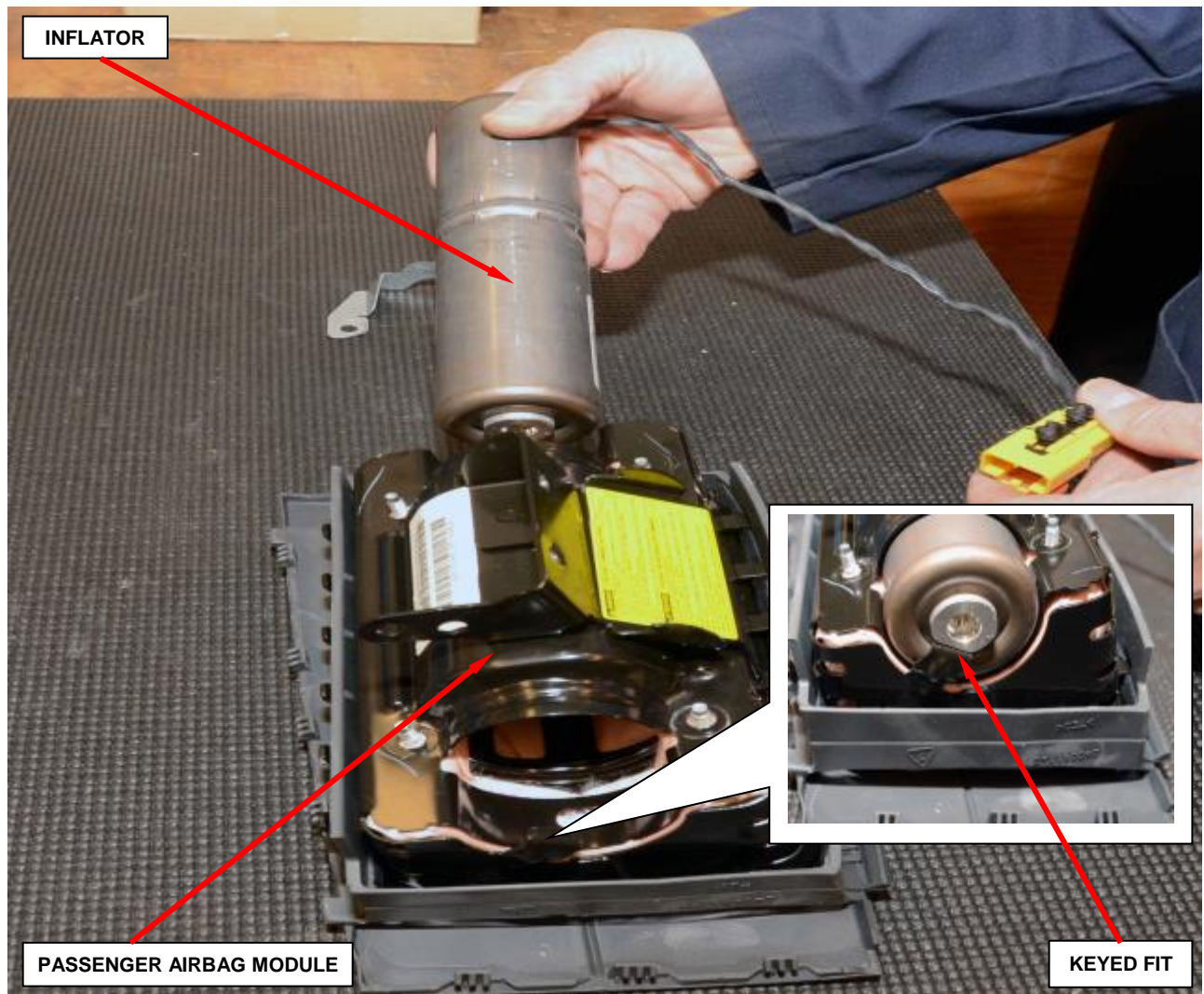


Figure 159 – Passenger Inflator Installation

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)**J. 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 2007 through 2010 JK vehicles, continue with **Step 2**.
- For 2011 and 2012 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 160).

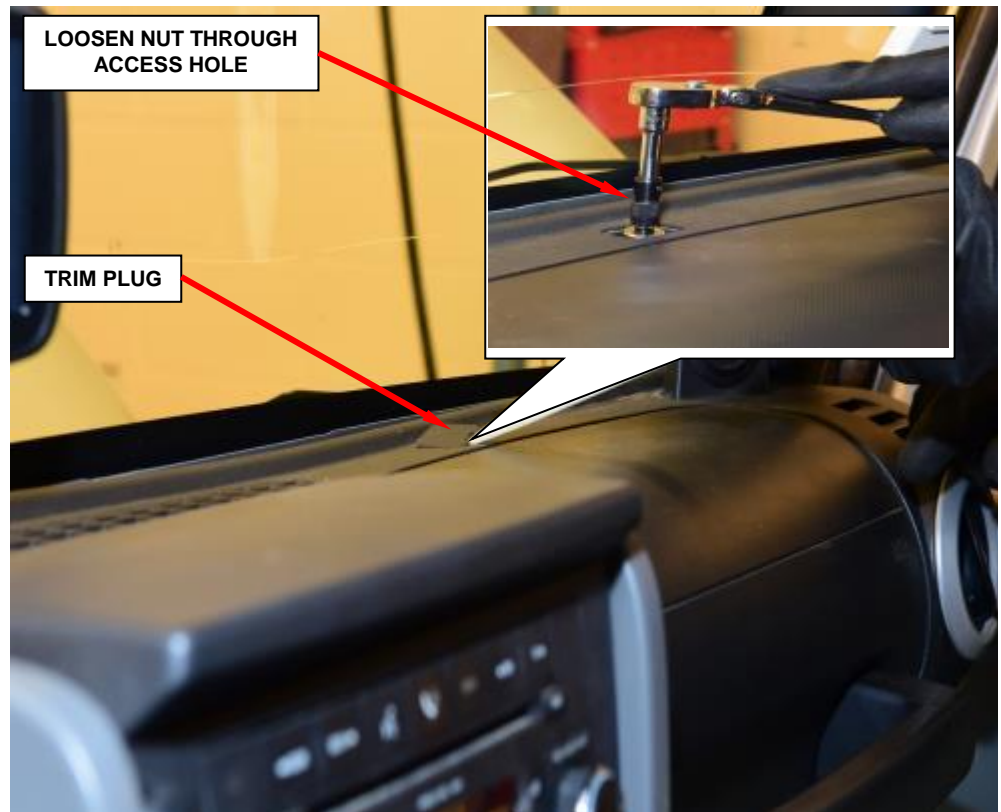


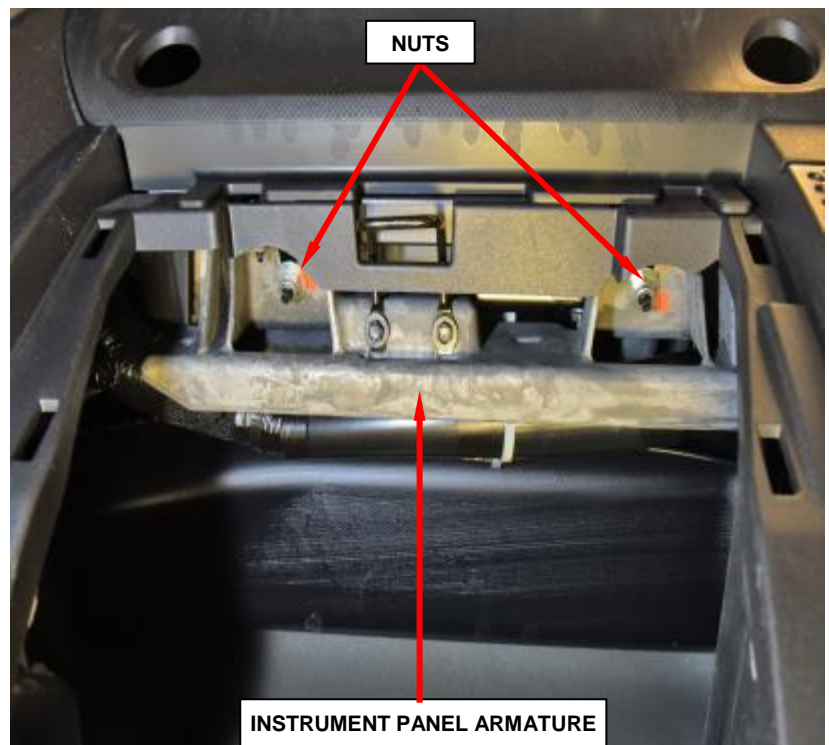
Figure 160 – Trim Plug Access Hole

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 160).

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 161).
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 162).

**Figure 161 – Grab Handle Bolts****Figure 162 – 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 163).
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.

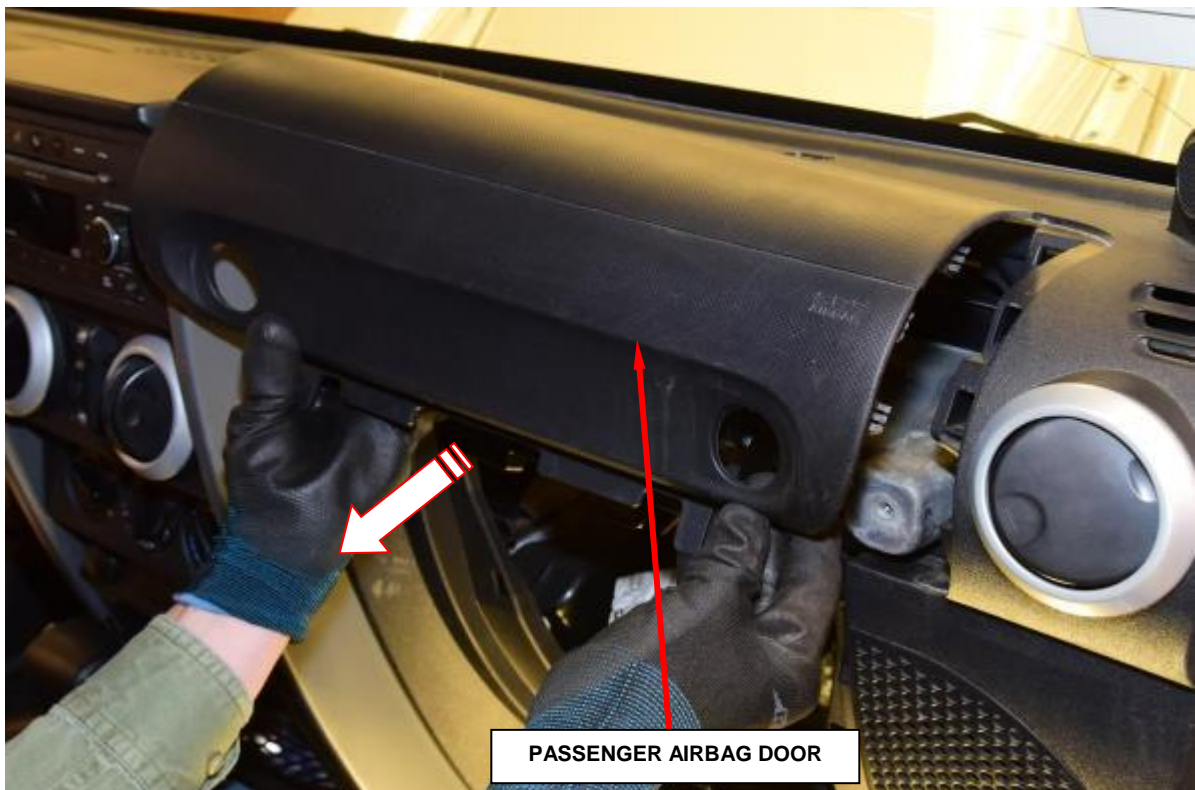
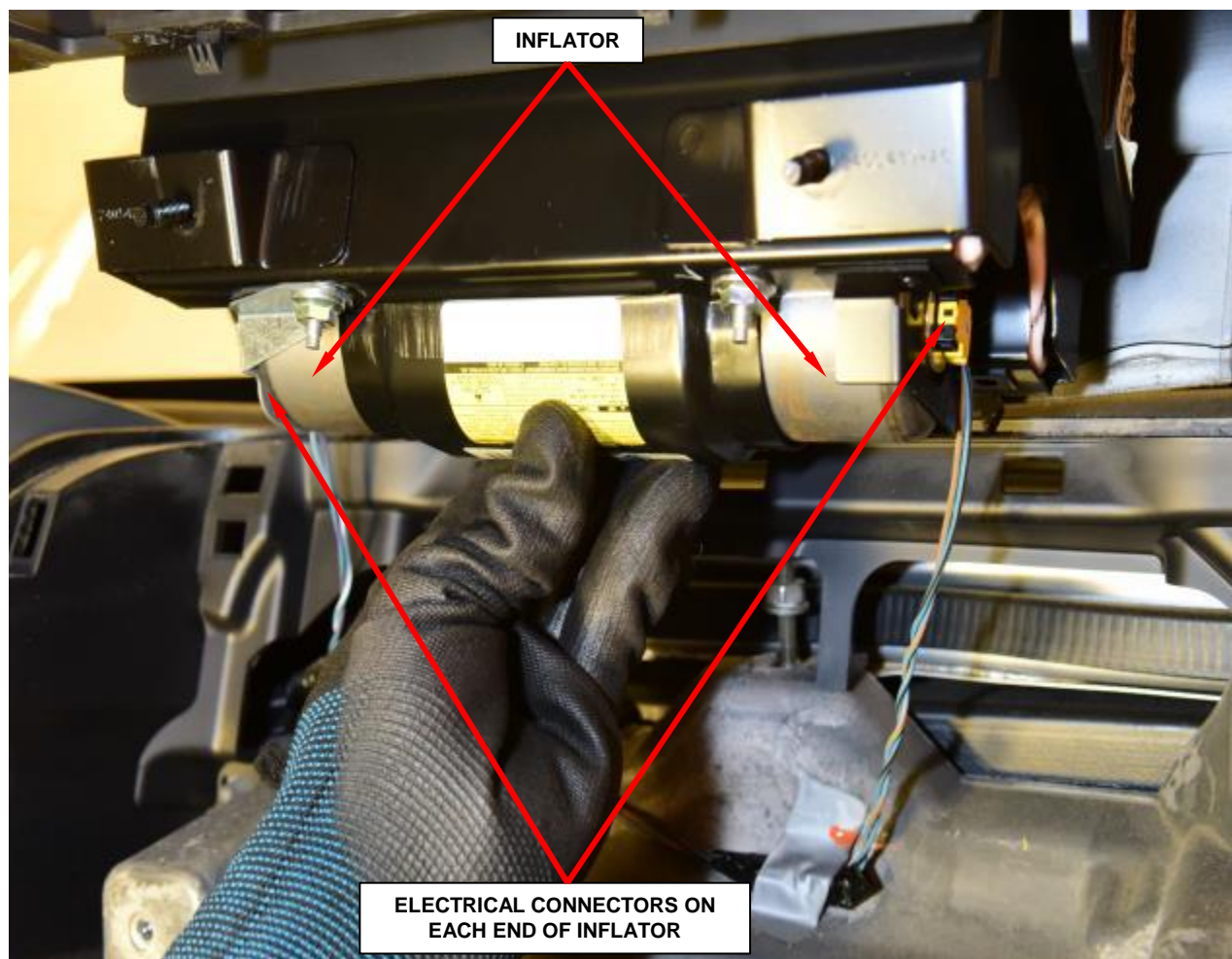


Figure 163 – Passenger Airbag Door

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 164).
10. Remove the passenger airbag and airbag door from the instrument panel as a unit and continue with Step 31.

**Figure 164 – Airbag Inflator Electrical Connectors**

Service Procedure (Continued)

11. Remove the three HVAC outlets (Figure 165).
 - 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 166).
 - 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 166).

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.



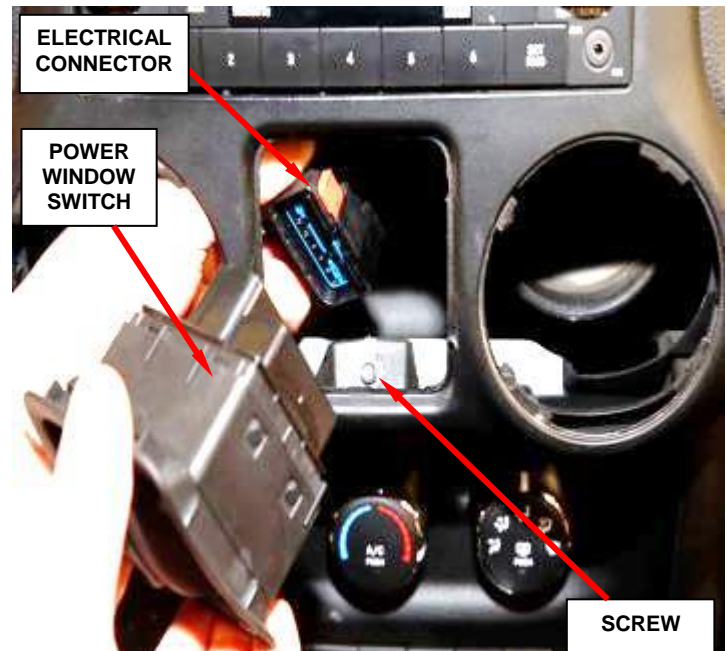
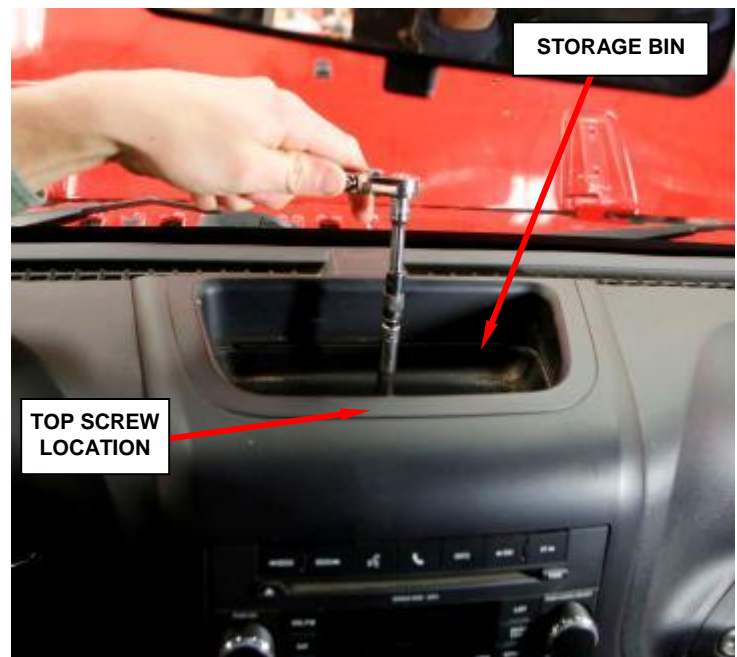
Figure 165 – HVAC Outlets



Figure 166 - 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 167).
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 167).
17. Remove the screw from the power window switch opening (Figure 167).
18. Remove the storage bin mat and remove the top screw (Figure 168).

**Figure 167 – Power Window Switch****Figure 168 – Center Bezel Screws**

Service Procedure (Continued)

19. Remove the two screws below the cluster on both sides of the steering column (Figure 169).

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.

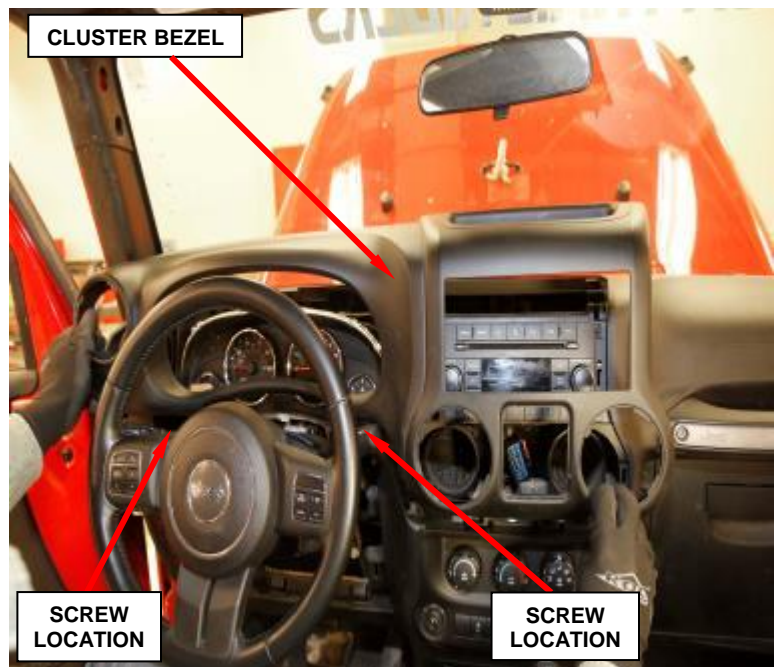


Figure 169 – Cluster Bezel Screws

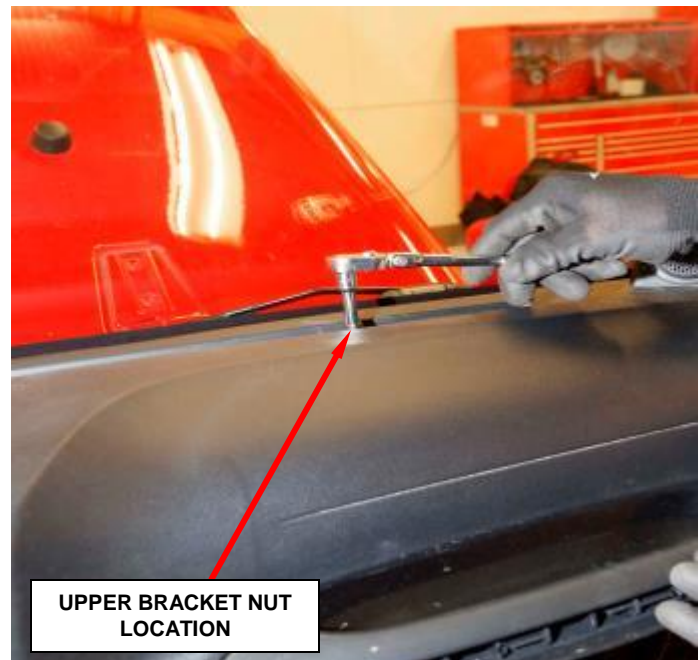
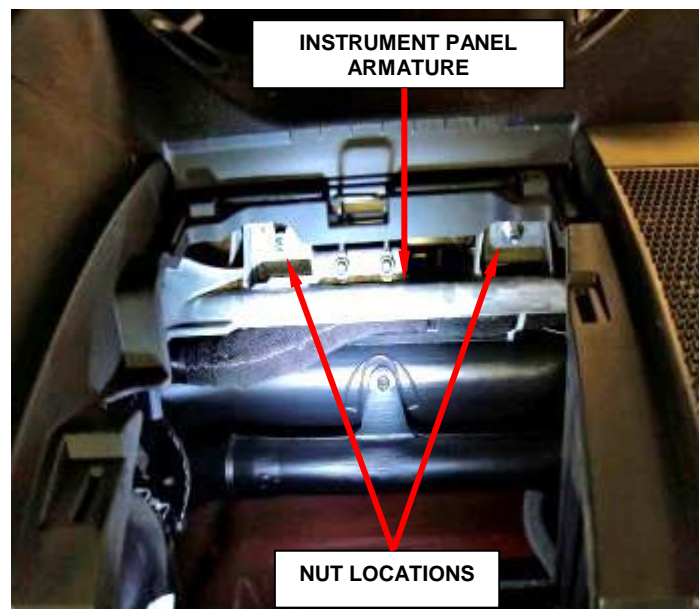
21. Release the remaining retaining clips and remove the bezel.
22. Remove the glove box from the instrument panel.
23. Using a trim stick C-4755 or equivalent, separate and remove the grab handle trim cover (Figure 170).
24. Remove the two bolts and remove the grab handle (Figure 170).



Figure 170 – 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 171).
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 172).

**Figure 171 – PAB Upper Bracket Nut****Figure 172 – 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 173).

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 173).
30. Remove the PAB and door from the instrument panel as a unit.

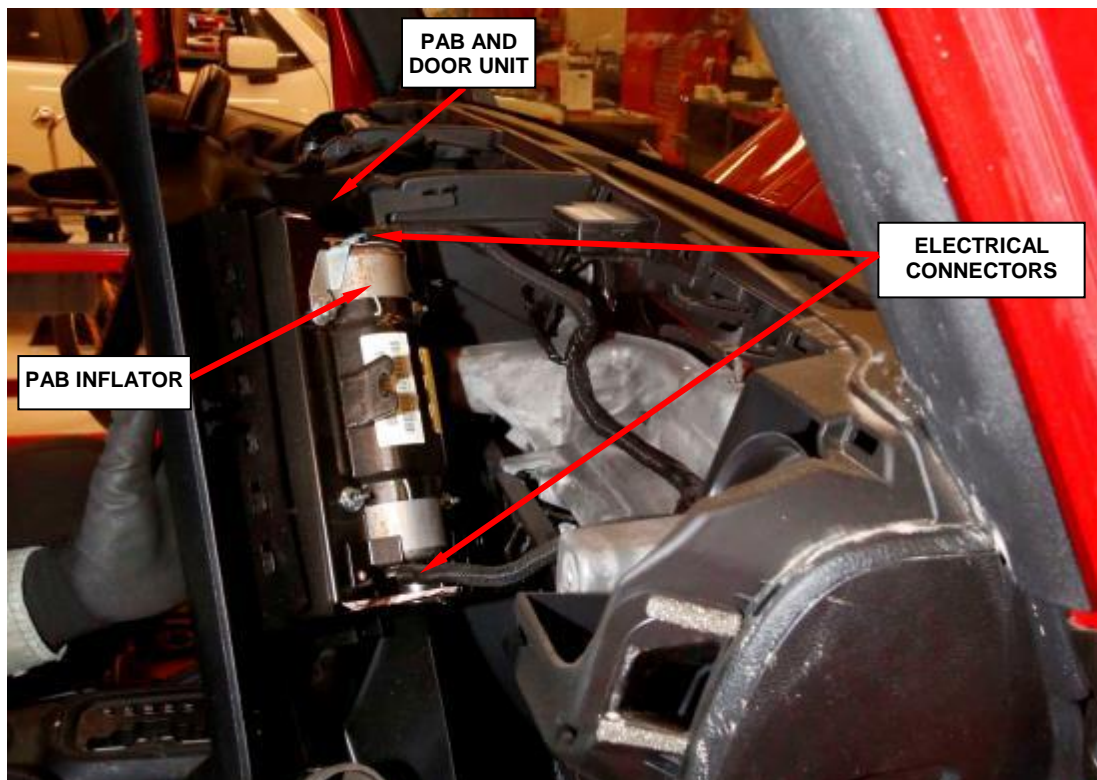


Figure 173 – Electrical Connectors

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 174).

c. Remove and save the stopper plate from the passenger airbag module (Figure 175).

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

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

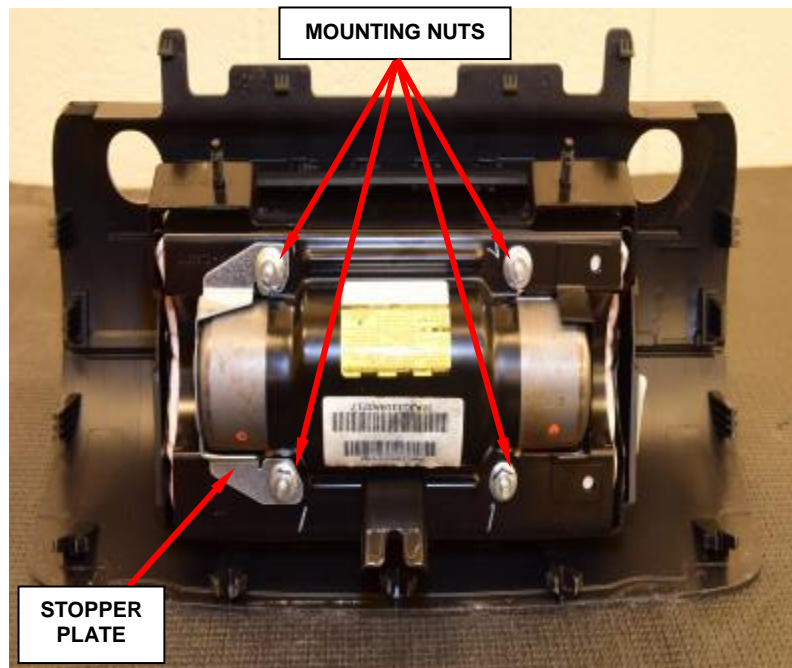


Figure 174 – Mounting Nuts

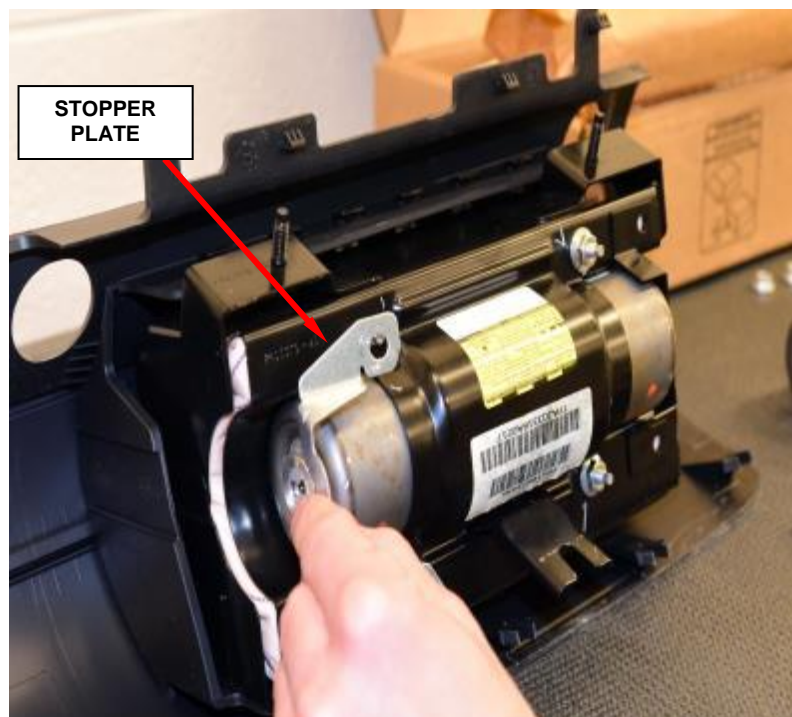


Figure 175 – Stopper Plate

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 176).

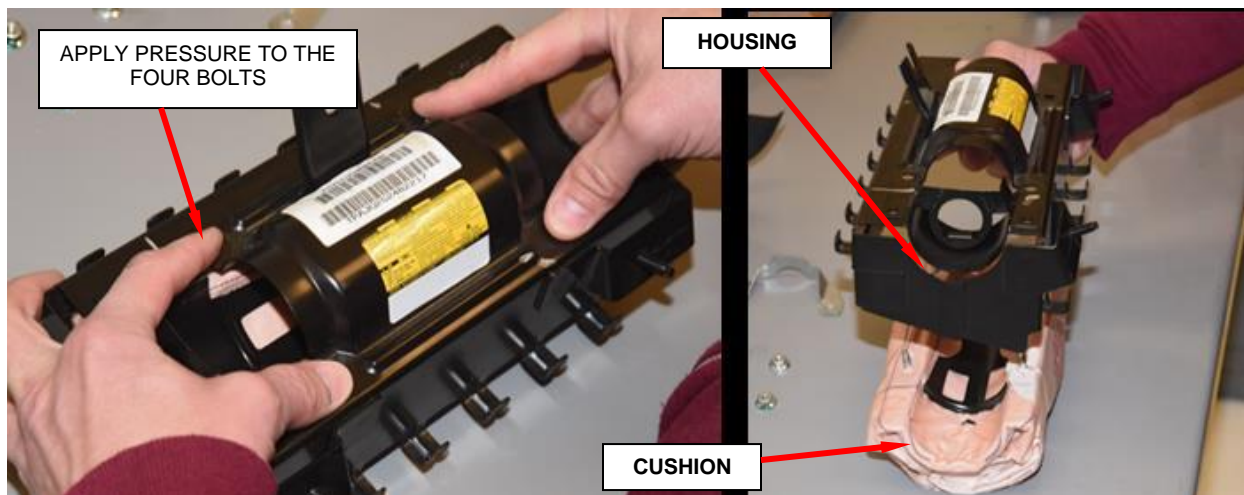


Figure 176 – Remove Airbag Cushion from Housing

- g. Place the fabric gasket, glossy side up, onto cushion. Mistake-proof tab should be aligned to the tab on the cushion (Figure 177).



Figure 177 – 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 178).

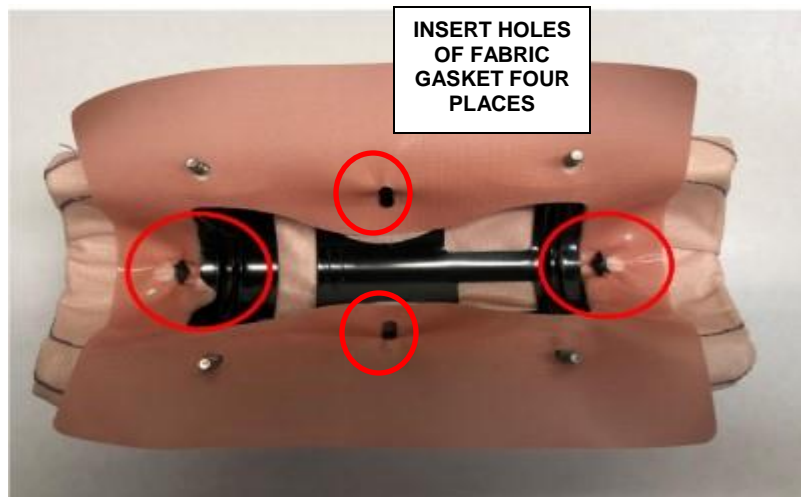


Figure 178 - Fabric Gasket

- 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 179).

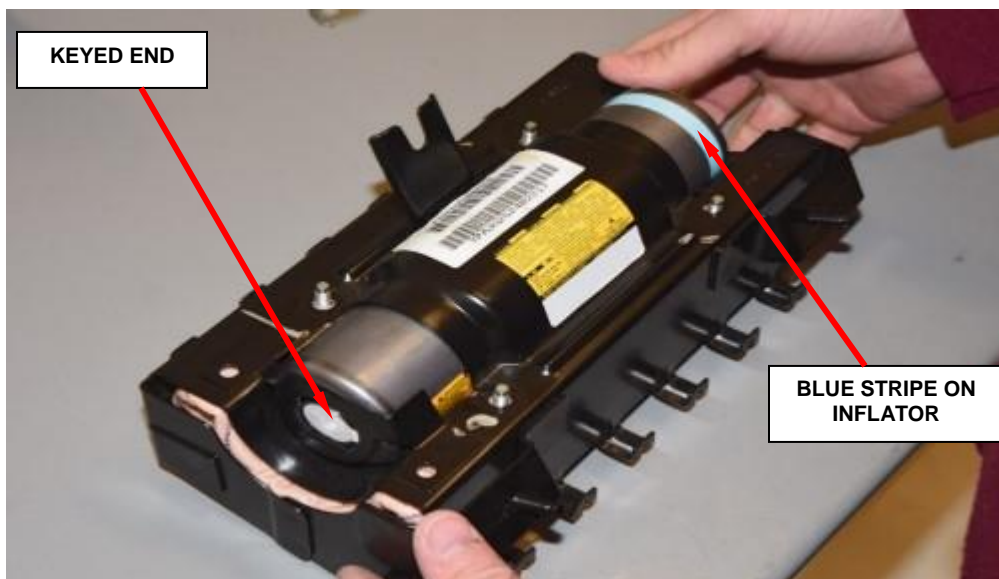


Figure 179 – Insert Inflator (Shown with Cushion Installed)

Service Procedure (Continued)

NOTE: The inflator's key **MUST** line up with the housing's key (Figure 181).

- j. Insert the cushion, pulling out both side flaps (Figure 180).

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

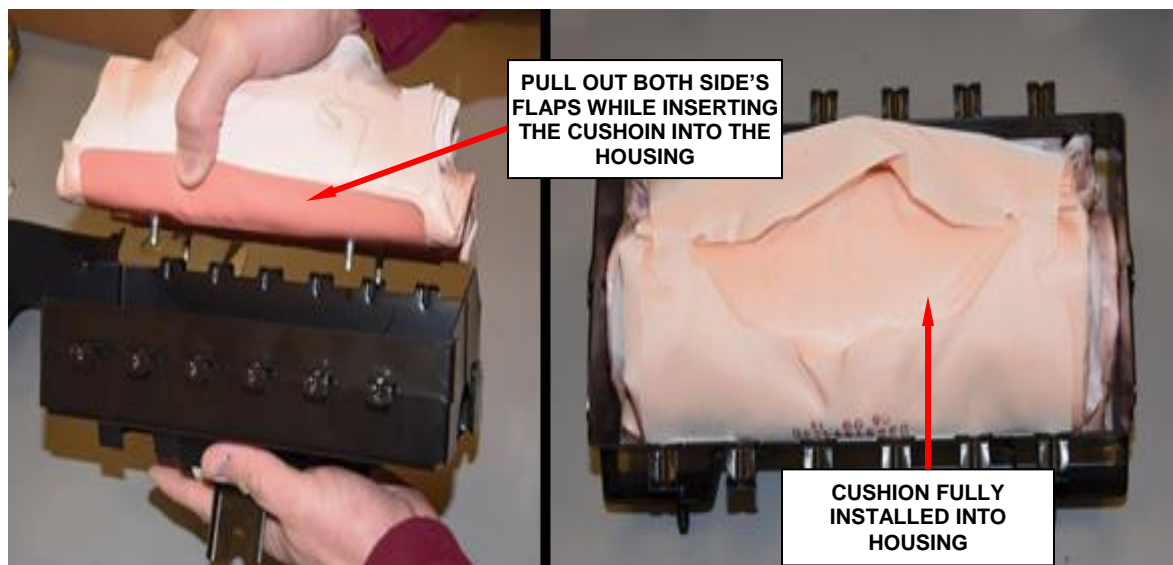


Figure 180 - Side Flaps Must Be Held Out

- 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 181).

- 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 181).

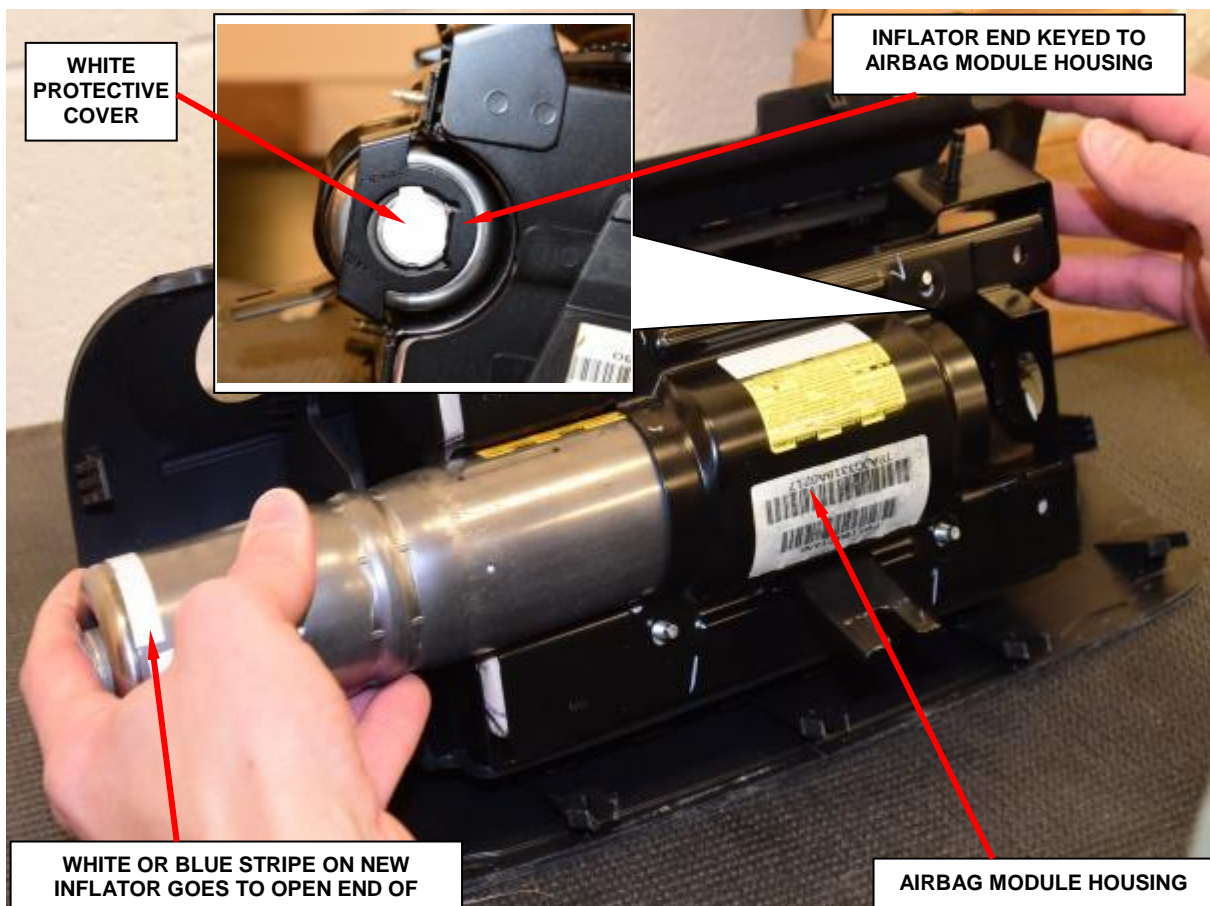


Figure 181 – Inflator Installation

Service Procedure (Continued)

- o. Install the stopper plate to the airbag module (Figure 182).
- p. Install the four new mounting nuts to the airbag module and tighten to 62 in. lbs. (7 N·m) (Figure 182).
- q. Passenger airbag retrofit is complete (Figure 182).

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.

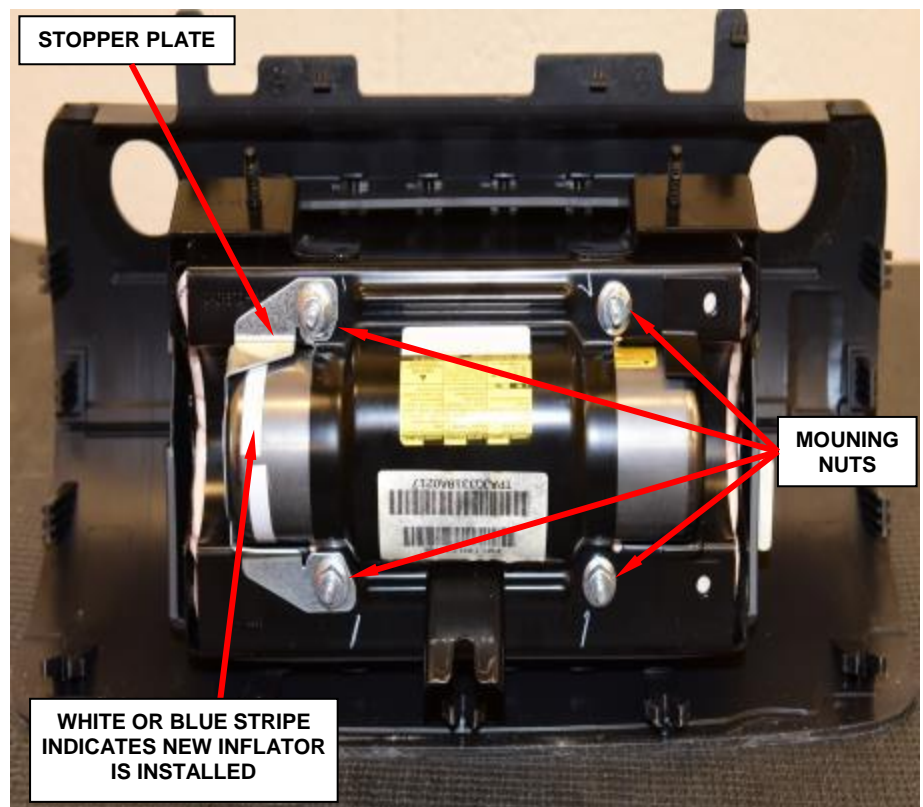


Figure 182 – Retrofit Complete

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 L. Supplemental Restraint System (SRS) Verification Test.

Service Procedure (Continued)**K. Replace Passenger Airbag Module: VB**

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting this service procedure. 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. Use the following steps to disconnect and isolate the battery negative cable(s).

CAUTION: Some vehicles may be equipped with an auxiliary battery located under the hood. Be sure to disconnect both battery negative cables if equipped.

- a. Remove and save the three screws from the door sill scuff plate and remove the door sill scuff plate (Figure 183).
- b. Remove the rubber mat (Figure 183).

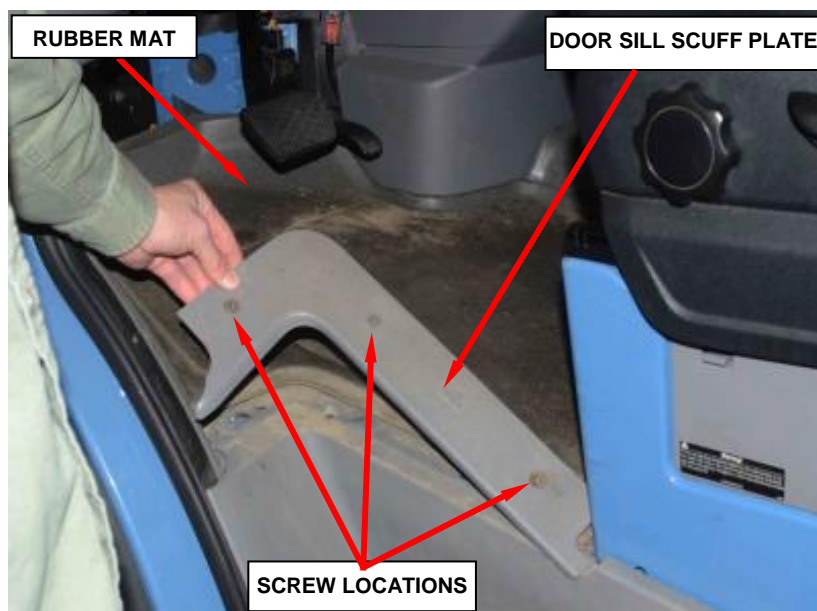


Figure 183 – Door Sill Scuff Plate

Service Procedure (Continued)

- c. Remove and save the four screws from the battery cover and remove the battery cover (Figure 184).
- d. Disconnect and isolate the battery negative cable(s). Wait two minutes for the system capacitor to discharge before further service (Figure 184).

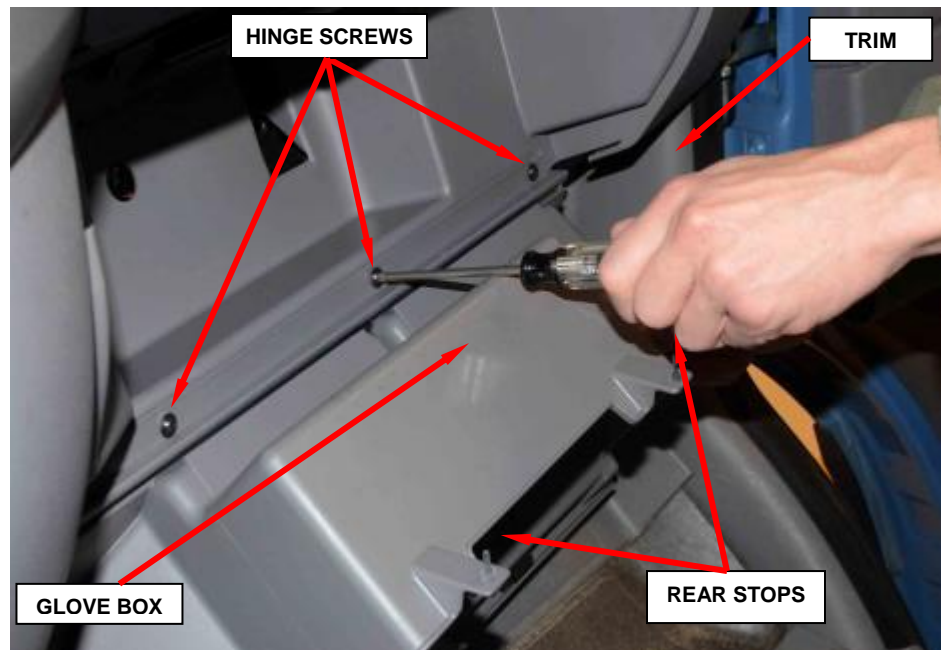
**Figure 184 – Battery Location**

Service Procedure (Continued)

2. Open the glove box, push up on the two rear stops and fold the box down completely (Figure 185).

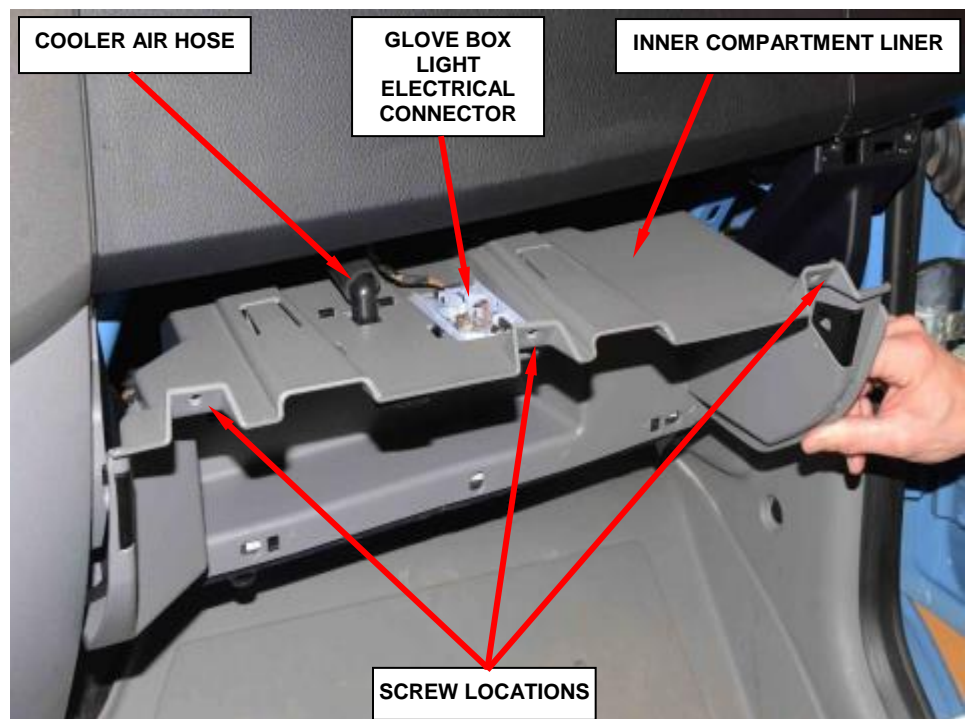
3. Remove and save the hinge screws and remove the glove box (Figure 185).

4. Remove and save the screw securing the trim below the right outboard air outlet bezel and remove the trim (Figure 185).

**Figure 185 – Glove Box Hinge Screws**

5. Remove and save the three inner compartment liner screws and remove the inner compartment liner (Figure 186).

6. Disconnect the glove box light electrical connector and remove the cooler air hose (Figure 186).

**Figure 186 – Inner Compartment Liner**

Service Procedure (Continued)

7. Remove the right front speaker grill (Figure 187).

8. Partially remove the right front door seal near the A-Pillar (Figure 187).

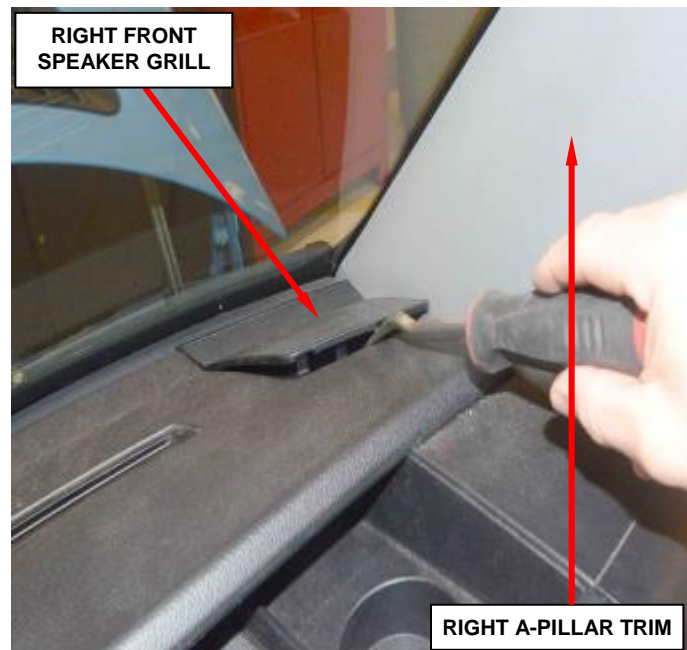


Figure 187 – Right Front Speaker Grill

9. Remove the right A-Pillar trim and position off to the side (Figure 188).

NOTE: The A-Pillar tether strap does not need to be disconnected.

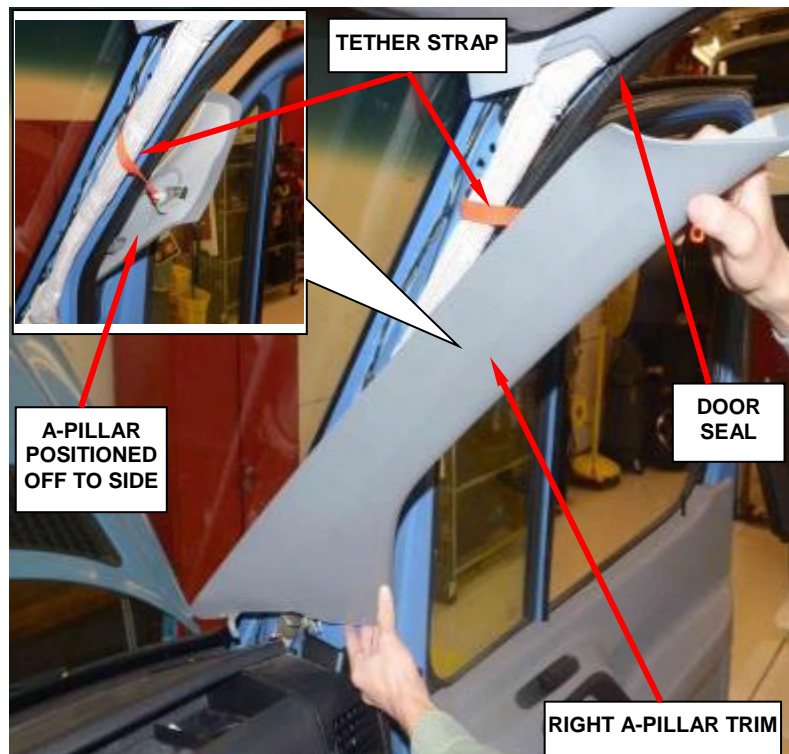


Figure 188 – Right A-Pillar Trim

Service Procedure (Continued)

10. Remove and save the three right side air outlet bezel screws and remove the right air outlet bezel (Figure 189).

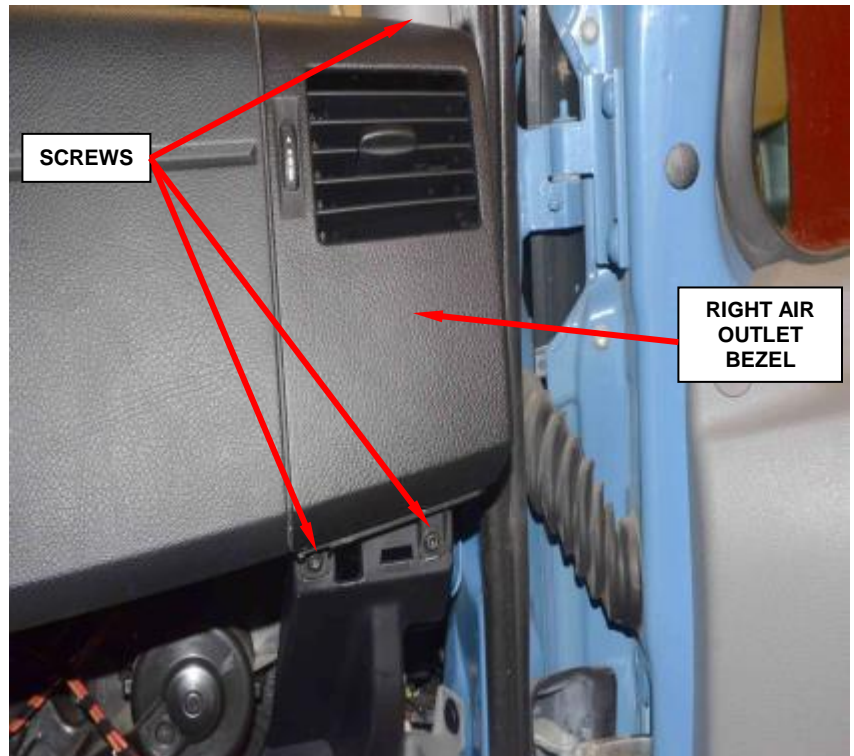


Figure 189 – Right Air Outlet Bezel

11. Remove the center radio bezel and position to the side (Figure 190).



Figure 190 – Center Radio Bezel

Service Procedure (Continued)

12. Remove and save the two center air outlet bezel screws and remove the bezel (Figure 191).

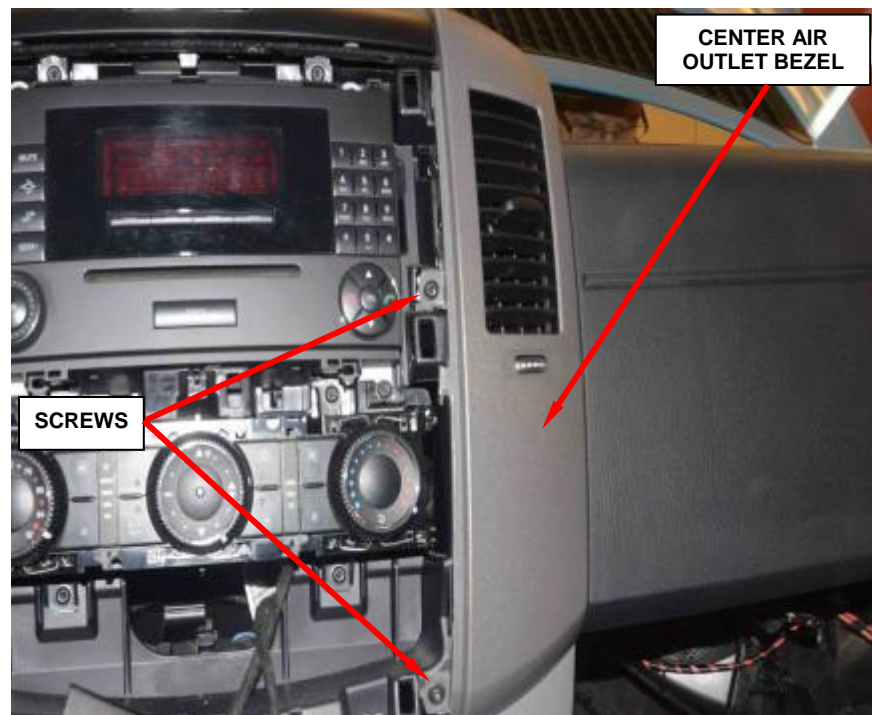


Figure 191 – Center Air Outlet Bezel

13. Remove and save the four screws that secure the tabs on the inboard and outboard ends of the passenger airbag door to the instrument panel base trim (Figure 192).

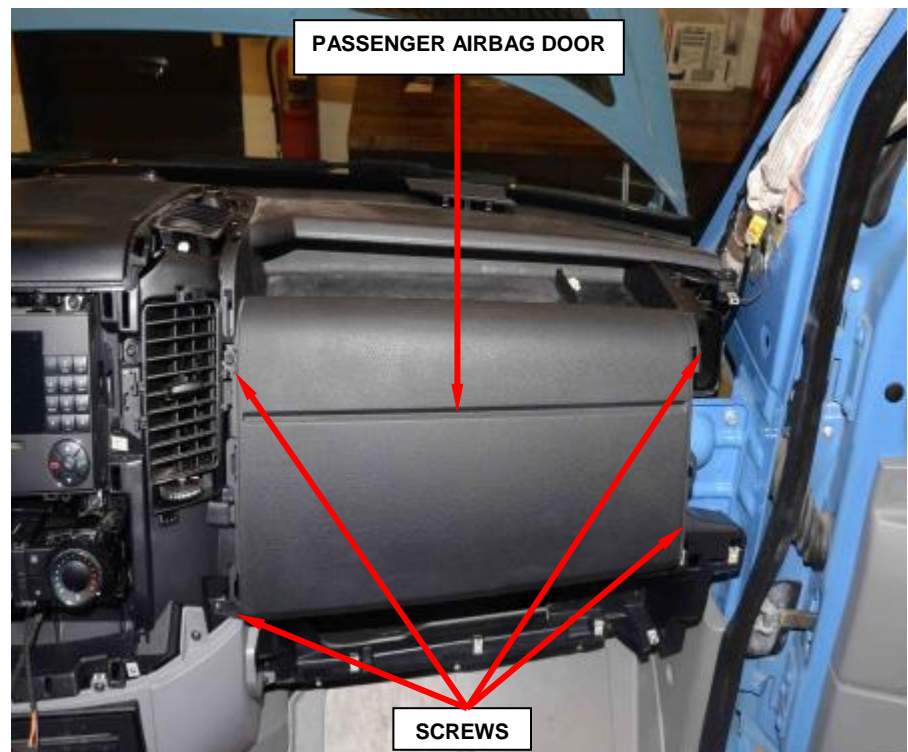
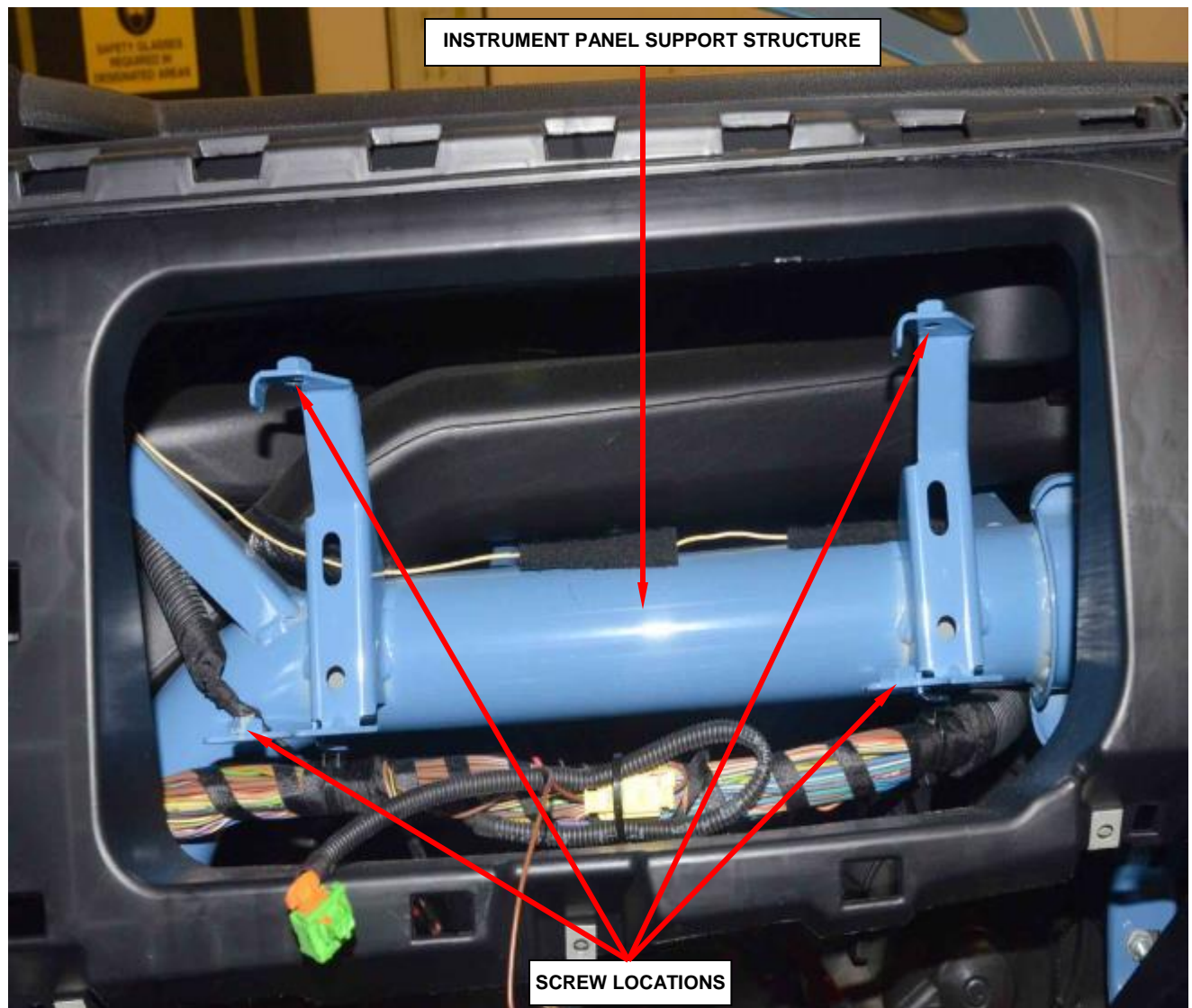


Figure 192 – Passenger Airbag Door

Service Procedure (Continued)

14. Reach up into the instrument panel glove box opening to access and remove the four screws that secure the stanchions on the back of the passenger airbag module to the brackets on the instrument panel support structure. **Discard the removed screws** (Figure 193).



**Figure 193 – Mounting Screw Locations
(Passenger Airbag Module Removed for Photographic Purposes)**

Service Procedure (Continued)

15. Pull the passenger airbag module rearward far enough to access the airbag electrical connector on the inboard end of the unit (Figure 194 and 195).

CAUTION: Do not pull on the wires to disengage the connector from the passenger airbag inflator connector receptacle. Improper removal of the connector insulator can result in damage to the airbag circuits or the connector insulator.

16. Disconnect the airbag electrical connector from the airbag inflator connector receptacle, which is located on the inboard end of the passenger airbag housing. To disconnect the connector:
 - a. Slide the orange Connector Position Assurance (CPA) lock on the connector toward the top of the connector.
 - b. Depress the connector latch tab and pull the connector straight away from the inflator initiator.

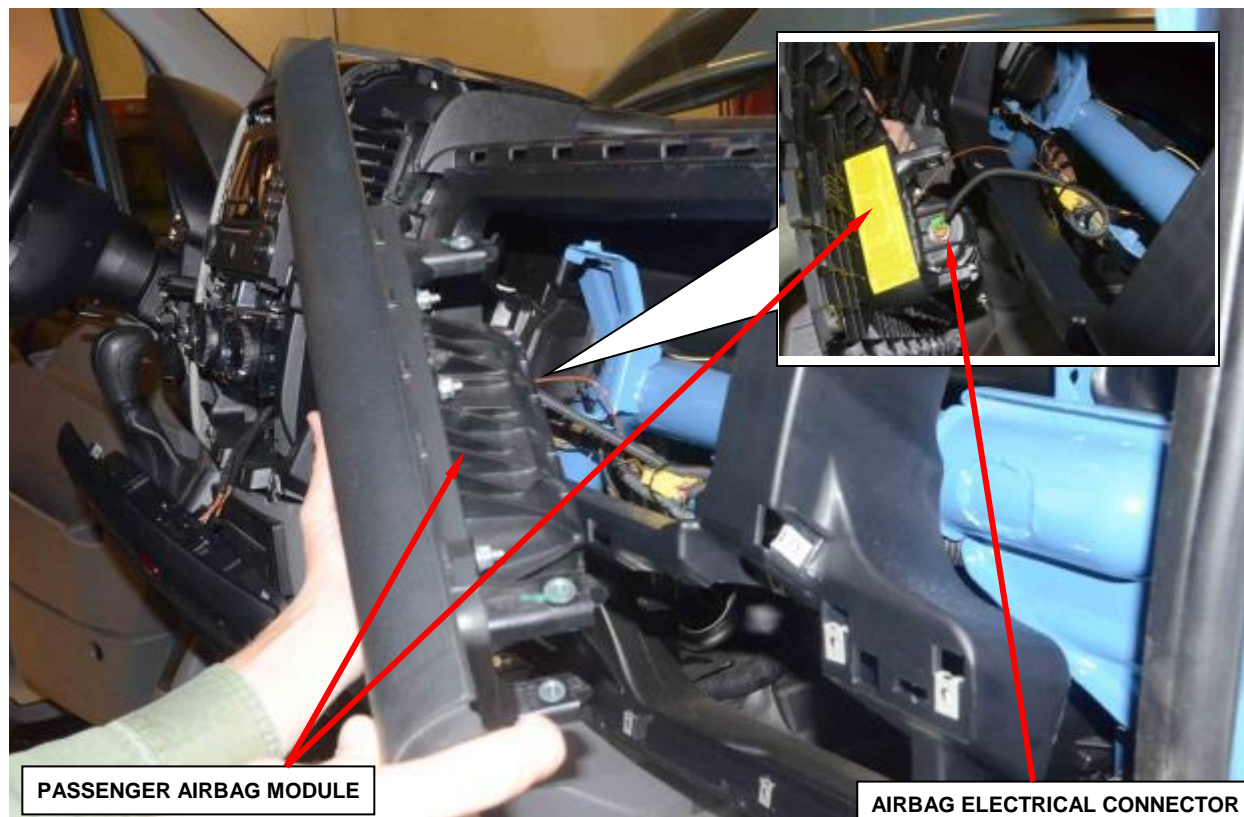
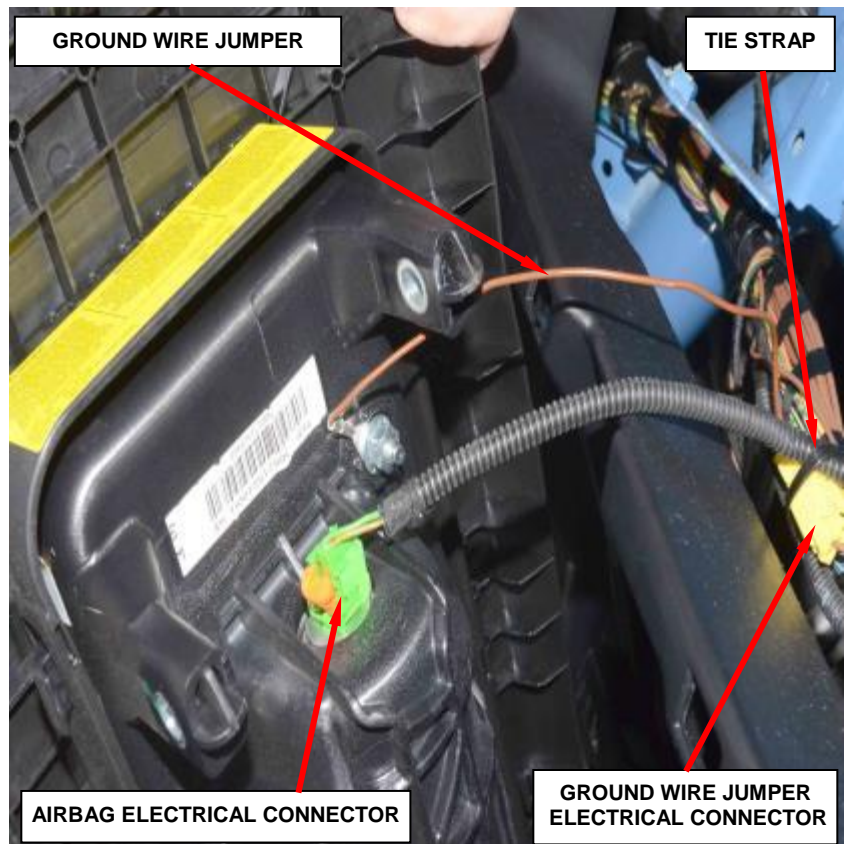
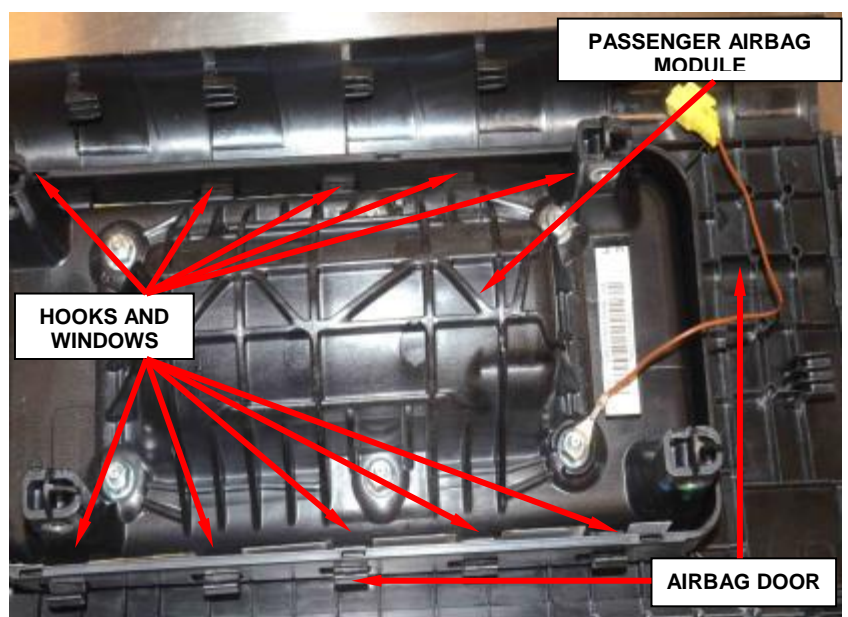


Figure 194 – Passenger Airbag Module

Service Procedure (Continued)

17. Remove and **discard** the tie strap securing the yellow ground wire jumper electrical connector to the instrument panel wire harness (Figure 195).
18. Disconnect the yellow ground wire jumper electrical connector from the instrument panel wire harness (Figure 195).
19. Remove the passenger airbag and airbag door from the instrument panel as a unit.
20. Carefully position the passenger airbag module and airbag door unit on a soft surface to prevent damage.
21. Release the passenger airbag module hooks from the airbag door windows (Figure 196).
22. Gently pull the passenger airbag module up slowly making sure that the hooks are clear from the windows on all sides.

**Figure 195 – Ground Wire Jumper****Figure 196 – Release Passenger Airbag Module**

Service Procedure (Continued)

23. Install the NEW passenger airbag module to the original airbag door cover by first inserting the bottom hooks into the windows.
24. Snap the remaining hooks on the opposite side into place.
25. Carefully position the passenger airbag module and airbag door unit to the instrument panel.
26. Connect the yellow ground wire jumper electrical connector to the instrument panel wire harness.
27. Secure the ground wire jumper electrical connector to the instrument panel wire harness using a **NEW** tie strap.
28. Connect the airbag electrical connector to the airbag inflator connector receptacle, which is located on the inboard end of the passenger airbag housing. Be certain that the latch on the connector and the orange Connector Position Assurance (CPA) lock are each fully engaged.

Service Procedure (Continued)

29. Slide the passenger airbag module fully forward into the instrument panel opening.
30. Reach up into the instrument panel glove box opening to access, install and tighten the four **NEW** screws to secure the stanchions on the back of the passenger airbag housing to the brackets on the instrument panel support structure. **Never reuse the old screws.** Tighten the screws to 71 in. lbs. (8 N·m).
31. Install and tighten the four screws on the inboard and outboard ends of the passenger airbag door to the instrument panel base trim. Tighten the screws securely.
32. Position the center air outlet bezel to the instrument panel and install the two screws. Tighten the screws securely.
33. Install the center radio bezel.
34. Position the right air outlet bezel to the instrument panel and install the three screws. Tighten the screws securely.
35. Install the A-Pillar trim panel.
36. Install the right front door seal to the A-Pillar.

Service Procedure (Continued)

37. Install the right front speaker grill.
38. Install the cooler air hose to the inner glove box liner and connect the glove box light electrical connector.
39. Install the inner glove box liner and install the three screws. Tighten the screws securely.
40. Install the glove box and install the three hinge screws then tighten securely.
41. Position the glove box up into the instrument panel and engage the rear retaining stop tabs.
42. Install the trim panel below the air outlet.
43. **Do not connect the battery negative cable at this time. Continue with Section L. Supplemental Restraint System (SRS) Verification Test.**

Service Procedure (Continued)**L. 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. Install the airbag module fuses, if applicable.
6. Open the wiTECH Diagnostic application.
7. Starting at the “Select Tool” screen, select the row/tool for the wiPOD device you are using, then select “Next”.
8. Enter your “**User id**” and “**Password**”, then select “**Finish**”.

NOTE: If wiTECH is unable to identify the connected vehicle, click on the **Launch DRB III** button and use the **DRB III Emulator** tool.

Service Procedure (Continued)

9. Clear all DTC's in all modules using either the wiTECH or the DRB III mode.

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".

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 and 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.

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2004-2009 HB/HG)	08-S4-31-82	0.8 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2005-2010 LX)	08-S4-31-82	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2012 LX/LD)	08-S4-31-82	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2008-2012 LC)	08-S4-31-82	1.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2005-2007 ND)	08-S4-31-82	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2008-2011 ND)	08-S4-31-82	1.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2004-2005 DR/DH)	08-S4-31-82	1.1 hours

Completion Reporting and Reimbursement (Continued)

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2006-2010 DR/DH/DC/DM/D1)	08-S4-31-82	0.8 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2007-2010 JK)	08-S4-31-82	0.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2012 JK)	08-S4-31-82	0.6 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2009 VB) (Canadian Vehicles Only)	08-S4-31-83	0.8 hours
Optional Equipment Equipped with Manual Transmission (2004-2005 DR/DH only)	08-S4-31-60	0.2 hours
Equipped with Police Group (sales code AHB only) (2005-2012 MY only)	08-S4-31-61	0.5 hours

Completion Reporting and Reimbursement (Continued)

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

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2004-2005 DR/DH)	08-S4-31-84	1.1 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2006-2010 DR/DH/DC/DM/D1)	08-S4-31-84	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2004-2009 HB/HG)	08-S4-31-84	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2008-2011 ND)	08-S4-31-84	1.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2005-2007 ND)	08-S4-31-84	0.9 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2008-2012 LC)	08-S4-31-84	1.5 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2005-2010 LX)	08-S4-31-84	1.0 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2012 LX/LD)	08-S4-31-84	1.0 hours

Completion Reporting and Reimbursement (Continued)

Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2007-2010 JK)	08-S4-31-84	0.6 hours
Replace Passenger Airbag Inflator and Conduct Supplemental Restraint System Verification Test (2011-2012 JK)	08-S4-31-84	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