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May 31, 2018

**TO:** All U.S. Ford and Lincoln Dealers

**SUBJECT:** **Safety Recall 18S01 – Supplement # 1**  
 Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion, Milan, MKZ,  
 Edge and MKX Vehicles  
 Passenger Airbag Inflator Replacement

**New! REASON FOR THIS SUPPLEMENT**

- *Repairs are now available for all Mustang and Ranger vehicles in safety recall 18S01.*
- *Parts for Mustang and Ranger vehicles are now available for open order.*
- *Dealers should also perform safety recall 15S21 on the driver side airbag for Mustang vehicles if this recall has not yet been completed.*
- *Dealers with Quick Lanes may now use Quick Lane service bays and Quick Lane technicians to perform Takata Airbag Recalls **ONLY**. Reference the Quick Lane Repairs section for further details.*

**REASON FOR THIS SAFETY RECALL**

NHTSA and Takata have determined that the propellant in certain Takata airbag inflators can experience an alteration over time with exposure to certain climate conditions. A combination of time, high temperature fluctuations, and humidity contribute to the degradation of the propellant in the inflators. This degradation can cause the propellant to burn too quickly, creating high pressure inside the inflator, and in extreme cases causing the inflator to rupture in the event of a crash necessitating airbag deployment. A ruptured inflator can send inflator parts toward vehicle occupants resulting in serious injury or death. Additional information regarding Takata recalls can be found at [www.nhtsa.gov](http://www.nhtsa.gov) and [www.safercar.gov](http://www.safercar.gov).

**AFFECTED VEHICLES**

Vehicles included in this safety recall were **originally sold or at some point registered** in certain states only. Affected vehicles are identified in OASIS and FSA VIN Lists.

**REPAIRS ARE CURRENTLY AVAILABLE FOR THE FOLLOWING VEHICLES ONLY**

| Vehicle       | Zone A*<br>Model Year | Zone B*<br>Model Year | Zone C*<br>Model Year | Assembly Plant     |
|---------------|-----------------------|-----------------------|-----------------------|--------------------|
| Mustang       | 2013                  | 2010                  | 2009                  | Flat Rock          |
| <i>Ranger</i> | <i>N/A</i>            | <i>2010</i>           | <i>2009</i>           | <i>Twin Cities</i> |

\*Refer to Figure 1.

***NOTE:*** *Repairs are currently only available for Mustang and Ranger vehicles covered under safety recall 18S01. Repairs for most other vehicles affected by this safety recall are expected to become available throughout the second and third quarters of 2018. Dealers are encouraged to refer to the [Takata Airbag Inflator Recall Information for Dealers](#) document on the FMC dealer homepage for the latest parts status for all Takata airbag recalls. The dealer bulletin will also be updated as repair information becomes available. Parts are not interchangeable between different vehicle models so a repair should not be attempted on vehicles that repairs are not currently published for.*

Due to owner relocations and vehicle resale activity, dealers located in other Zones may have some vehicles assigned to their FSA VIN list. All vehicles affected by this safety recall must be repaired, regardless of the vehicle's current location. Always use OASIS to identify affected vehicles. The Takata airbag recall zones have been defined by the NHTSA, based on temperature and humidity.

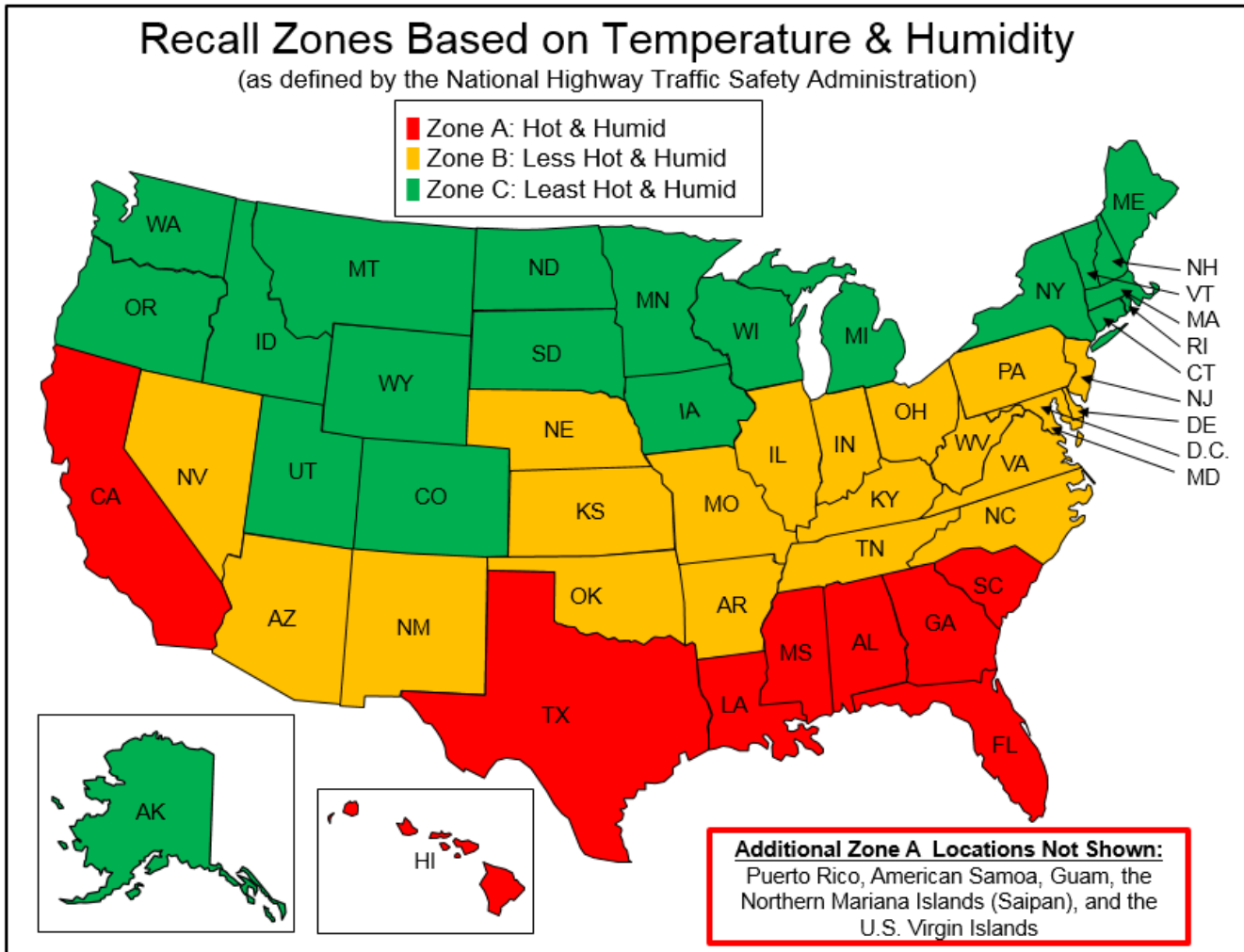


FIGURE 1

**New! SERVICE ACTION**

Dealers are to replace the passenger airbag inflator. This service must be performed on all affected vehicles at no charge to the vehicle owner.

*For Mustang vehicles, dealers should check OASIS to determine if safety recall 15S21 is open for the driver side airbag. If safety recall 15S21 is open, then it should be completed in addition to safety recall 18S01. Parts are readily available to complete safety recall 15S21.*

**New! OWNER NOTIFICATION MAILING SCHEDULE**

*Mustang customers were mailed the week of May 14, 2018 notifying them that a repair is available for their vehicle. Letters for Ranger customers are expected to be mailed the week of June 4, 2018 to notify them that a repair is available for their vehicle.*

*Dealers should repair any affected vehicles that arrive at their dealerships that have repairs available, whether or not the customer has received a letter.*

**PLEASE NOTE:**

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$21,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

**New! ATTACHMENTS**

- Attachment I: Administrative Information*
- Attachment II: Labor Allowances and Parts Ordering Information*
- Attachment III: Technical Information – 2009 Mustang*
- Attachment IV: Technical Information – 2010 & 2013 Mustang*
- Attachment V: Technical Information – 2009-2010 Ranger*
- Attachment VI: Dealer Q & A*
- Attachment VII: Regional Core Recovery Center – Airbag Inflator Return Process – Parts with Core Charges

Owner Notification Letters

**QUESTIONS & ASSISTANCE**

For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. The SSSC Web Contact Site can be accessed through the Professional Technician Society (PTS) website using the SSSC link listed at the bottom of the OASIS VIN report screen or listed under the SSSC tab.

Sincerely,



David J. Johnson

**Safety Recall 18S01 - Supplement # 1**  
Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
Milan, MKZ, Edge and MKX Vehicles  
Passenger Airbag Inflator Replacement

### **OASIS ACTIVATION**

OASIS was activated on February 15, 2018.

### **New! FSA VIN LISTS ACTIVATION**

*FSA VIN Lists will be available through <https://web.fsavinlists.dealerconnection.com> on May 31, 2018 for vehicles that can be repaired at this time.*

**NOTE:** Your FSA VIN Lists may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

### **SOLD VEHICLES**

- Owners of affected vehicles will be directed to dealers for this repair.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS. Give the customer a copy of the Owner Notification Letter (when available) and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.
- Dealers are to prioritize customer vehicles over used vehicle inventory.

### **STOCK VEHICLES**

- Dealers should use OASIS to identify any affected vehicles in your used vehicle inventory and perform the repair.

### **DEALER-OPERATED RENTAL VEHICLES**

The Fixing America's Surface Transportation (FAST) Act law effective June 2016 prohibits a rental company from selling, renting or leasing vehicles subject to a safety or compliance recall. Please consult your legal counsel for legal advice.

### **TITLE BRANDED / SALVAGED VEHICLES**

Affected title branded and salvaged vehicles are eligible for this recall.

### **New! QUICK LANE REPAIRS**

- *At the dealers discretion, dealers with Quick Lanes may now use Quick Lane service bays and Quick Lane technicians to perform Takata Airbag Recalls **ONLY**.*
- *Claim processing, hazardous material handling and parts returns **MUST** be processed through the main dealership's warranty submission process and parts department.*
- *Quick Lanes are authorized to perform Takata Airbag Recalls **ONLY**. **NO** other warranty or recall repairs are allowed at Quick Lanes at this time.*

### **OWNER REFUNDS**

- Refunds are not approved for this program.

**Safety Recall 18S01 - Supplement # 1**

Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
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Passenger Airbag Inflator Replacement

**New! RENTAL VEHICLES**

For Fusion, Milan, MKZ, Edge and MKX vehicles, if the customer requests a rental vehicle while waiting for parts to become available, dealers should contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site for rental approval.

**To request rental vehicle coverage:**

- Submit a SSSC web contact under rental program 18A03.
- The SSSC Web Contact Site can be accessed through the Professional Technician Society (PTS) website using the SSSC link listed at the bottom of the OASIS VIN report screen or listed under the SSSC tab.
- Rental vehicles provided can be from either dealer owned rental inventory or local rental agencies.
- Dealers are not authorized to store customer vehicles. Customers retain their recalled vehicle and drive the rental vehicle until recall repairs are completed.
- Ford and Lincoln dealers are to assist customers with requests to obtain a rental vehicle.

For Ranger and Mustang vehicles, parts are readily available to complete the recall on these vehicles. With proper dealer parts ordering and service appointment scheduling, rental vehicles should not be required.

**CLAIMS PREPARATION AND SUBMISSION**

- Enter claims using Dealer Management System (DMS) or One Warranty Solution (OWS) online.
  - When entering claims, select claim type 31: Field Service Action. The FSA number (18S01) is the sub code.
  - For additional claims preparation and submission information, refer to the Recall and Customer Satisfaction Program (CSP) Repairs in the OWS User Guide.
- Additional labor and/or parts must be claimed as related damage on a separate repair line from the FSA. **IMPORTANT:** Click the radio button on the Related Damage Indicator.

**NOTE:** The serial number of the new passenger airbag inflator must be provided to Ford for the claim to be processed. The Technical Information in this bulletin advises technicians to document the serial number from the new airbag inflator on the repair order. The passenger airbag inflator serial number is 11 characters. Enter the serial number of the new airbag inflator in the claim as follows:

- For claims submitted using DMS or OWS on-line, enter the serial numbers in the Test Results Section.
  - Select DTC REQUIRED MEASUREMENT OR RESULTS from the drop down list.
  - Enter the serial number in the CODE field.
  - The serial number must entered without spaces or dashes.

Example:

- 2NU 818 3Y CMN – **incorrect**
- 2NU8183YCMN – **CORRECT**

**Safety Recall 18S01 - Supplement # 1**  
Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
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Passenger Airbag Inflator Replacement

**New! ADDITIONAL REPAIR (LABOR TIME AND/OR PARTS)**

Additional repairs identified as necessary to complete the FSA should be managed as follows:

- *For vehicles that the airbags have deployed or that have other modifications preventing the recall repair from being completed:*
  - *Submit a VIN specific request to the SSSC Web Contact Site prior to attempting a repair.*
  - *Attach pictures of the vehicles airbag modules to the request.*
- For related damage and access time requirements, refer to the Warranty and Policy Manual – Section 6 – Ford/Lincoln Program Policies – Field Service Actions (FSA) – Related Damage.
- Submit an Approval Request to the SSSC Web Contact Site prior to completing the repair.

**Safety Recall 18S01 - *Supplement # 1***  
 Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
 Milan, MKZ, Edge and MKX Vehicles  
 Passenger Airbag Inflator Replacement

**New! LABOR ALLOWANCES (only vehicles that repairs are currently available for are listed)**

| Description  | Labor Operation | Labor Time       |
|--|-----------------|------------------|
| Replace Passenger Airbag Inflator – 2009-2010 & 2013 Mustang | 18S01B          | 0.5 Hours        |
| <i>Replace Passenger Airbag Inflator – 2009-2010 Ranger</i>  | <i>18S01C</i>   | <i>0.5 Hours</i> |

Performing the supplemental restraint depower procedure and clearing DTCs was included in previous airbag inflator recall 14S28, but is no longer required.

**New! PARTS REQUIREMENTS / ORDERING INFORMATION**

*Repairs are currently only available for Mustang and Ranger vehicles covered under safety recall 18S01. Repairs for most other vehicles affected by this safety recall are expected to become available throughout the second and third quarters of 2018. Dealers are encouraged to refer to the [Takata Airbag Inflator Recall Information for Dealers](#) document on the FMC dealer homepage for the latest parts status for all Takata airbag recalls. The dealer bulletin will also be updated as repair information becomes available.*

**Note:** *The parts used in this safety recall may physically appear to be identical, but they have differing operating characteristics. It is crucial that parts are NOT interchanged or substituted.*

**PARTS REQUIREMENTS (only vehicles that repairs are currently available for are listed)**

| Part Number            | Description   | Order Quantity | Claim Quantity |
|------------------------|---|----------------|----------------|
| 6G7Z-63044A74-A        | Passenger Airbag Inflator – 2010 & 2013 Mustang     | 1              | 1              |
| 5R3Z-63044A74-B        | Passenger Airbag Inflator – 2009 Mustang            | 1              | 1              |
| <i>8L5Z-10044A74-E</i> | <i>Passenger Airbag Inflator – 2009-2010 Ranger</i> | <i>1</i>       | <i>1</i>       |

*Passenger airbag inflators 6G7Z-63044A74-A, 5R3Z-63044A74-B, and 8L5Z-10044A74-E were previously seed stocked to dealers that had vehicles assigned to them on their FSA VIN list as part of FSAs 16S26 and 17S01. If additional parts are required, order your parts through normal order processing channels. To guarantee the shortest delivery time, an emergency order for parts should be placed.*

The DOR/COR number for this recall is 51122.

**PARTS RETENTION AND RETURN**

**It is critical that all original passenger airbag inflators removed from vehicles are not allowed back into the market. Therefore, all passenger airbag inflators under this safety recall have been assigned a \$100 core charge to ensure they will be properly returned.**

The Regional Core Recover Center (RCRC), **including dealers in Alaska and Hawaii**, will pick up these airbag inflators along with all other core returns during your normal core retrieval visit.

For additional information, refer to Attachment VI: Regional Core Recovery Center – Airbag Inflator Return Process.

**DEALER PRICE**

For latest prices, refer to DOES II.

**EXCESS STOCK RETURN**

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

## CERTAIN 2009 MUSTANG VEHICLES — PASSENGER AIRBAG INFLATOR REPLACEMENT

### OVERVIEW

NHTSA and Takata have determined that the propellant in certain Takata airbag inflators can experience an alteration over time with exposure to certain climate conditions. A combination of time, high temperature fluctuations, and humidity contribute to the degradation of the propellant in the inflators. This degradation can cause the propellant to burn too quickly, creating high pressure inside the inflator, and in extreme cases causing the inflator to rupture in the event of a crash necessitating airbag deployment. A ruptured inflator can send inflator parts toward vehicle occupants resulting in serious injury or death.

Dealers are to replace the passenger airbag inflator. The serial number from the new airbag inflator must be recorded on the repair order. Place the replaced inflator into the packaging from the new part and provide to the appropriate dealership personnel for part returns.

**NEW ! NOTE:** For vehicles that the airbags have deployed or that have other modifications preventing the recall repair from being completed, submit a VIN specific request to the SSSC Web Contact Site prior to attempting a repair. Attach pictures of the vehicles airbag modules to the request.

### SERVICE PROCEDURE

#### Recommended Tools:

|                                   |
|-----------------------------------|
| 1/4" Drive Deep Socket - 7mm      |
| 1/4" Drive Ratchet                |
| 1/4" Drive Extension - 6" (152mm) |
| 1/4" Drive Shallow Socket - 8mm   |
| 1/4" Drive Impact Driver          |
| 1/4" Drive Torque Wrench          |
| Side Cutters                      |
| Utility Knife                     |
| Needle Nose Pliers                |
| Pocket Screwdriver                |






## AIRBAG INFLATOR REPLACEMENT

**NEW** NOTE: The following repair instructions only apply to 2009 Mustang vehicles. Repair instructions will be published in separate attachments for the other vehicle lines included in this recall as parts become available for those vehicles. The parts used in this safety recall may physically appear to be identical, but they have differing operating characteristics. It is crucial that parts are not interchanged or substituted.

**WARNING:** Failure to follow the instructions and warnings in the Workshop Manual (WSM) may result in injury.

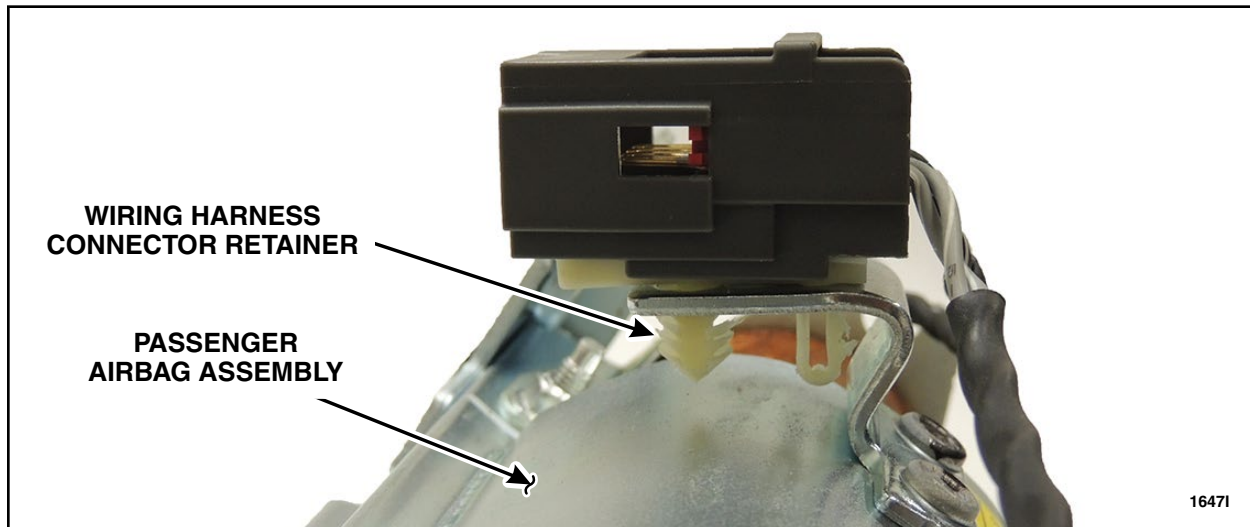
**NOTE:** If the Airbag Readiness light indicates no Supplemental Restraint System (SRS) faults are present, it is not necessary to follow the WSM SRS Depowering and Repowering steps. Turn the ignition to OFF and wait 1 minute, then it is safe to proceed with airbag inflator replacement.

**NOTE:** The ignition must remain OFF until this service procedure is completed.

**NOTE:** To view a video demonstration of this repair procedure, click the video icon. 



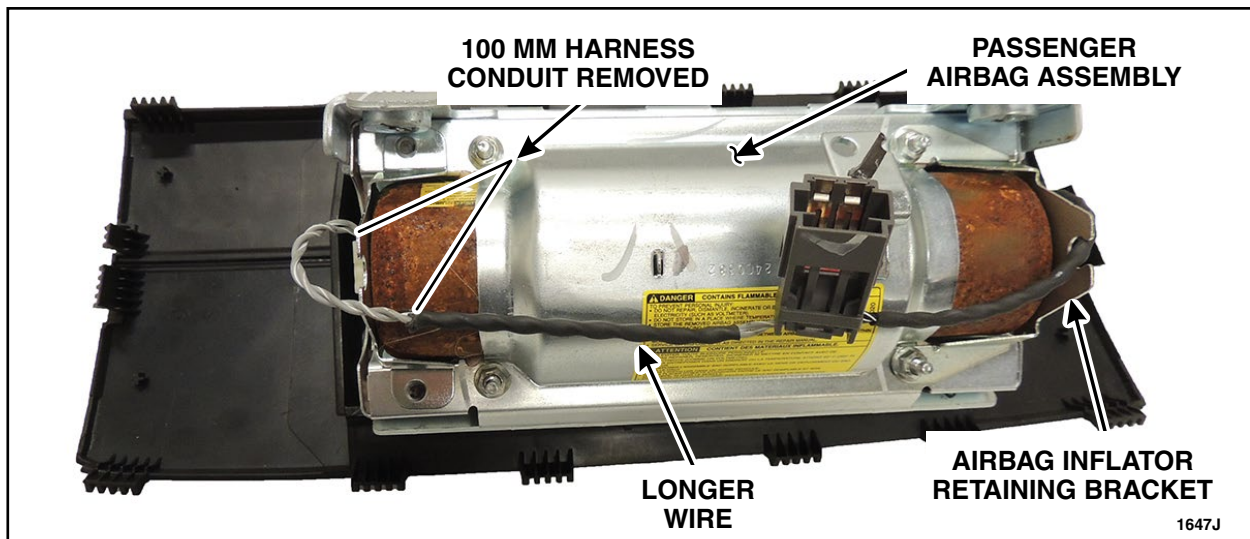
1. Remove the passenger airbag from the vehicle. Please follow the WSM procedures in Section 501-20B.
2. Set the airbag face down onto a surface that will not scratch or damage the airbag face.
3. Remove the wiring harness connector retainer from the passenger airbag assembly. See Figure 1.



**FIGURE 1**

**NOTE:** Carry out this step on the longer wire on the end opposite of the airbag inflator retaining bracket. See Figure 2.

4. Remove approximately 100 mm (3.93 in) of the conduit from the passenger airbag assembly wire harness. See Figure 2.



**FIGURE 2**



5. Position the shorting clip onto the harness wires, and crimp the shorting clip together one side at a time using pliers. See Figure 3.

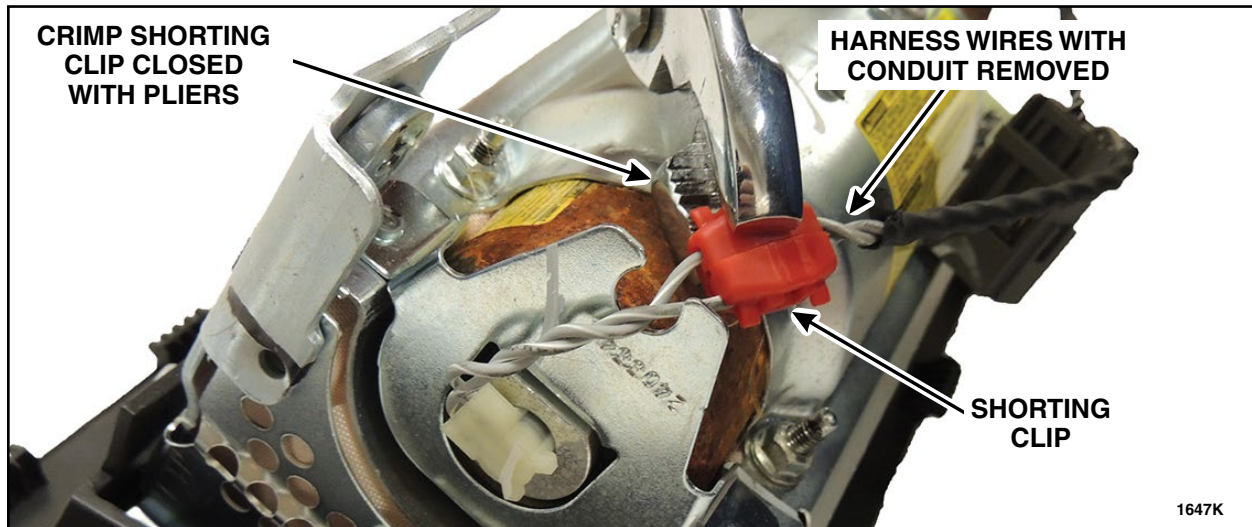


FIGURE 3

6. Cut the harness wires between the shorting clip and the harness connector. See Figure 4.

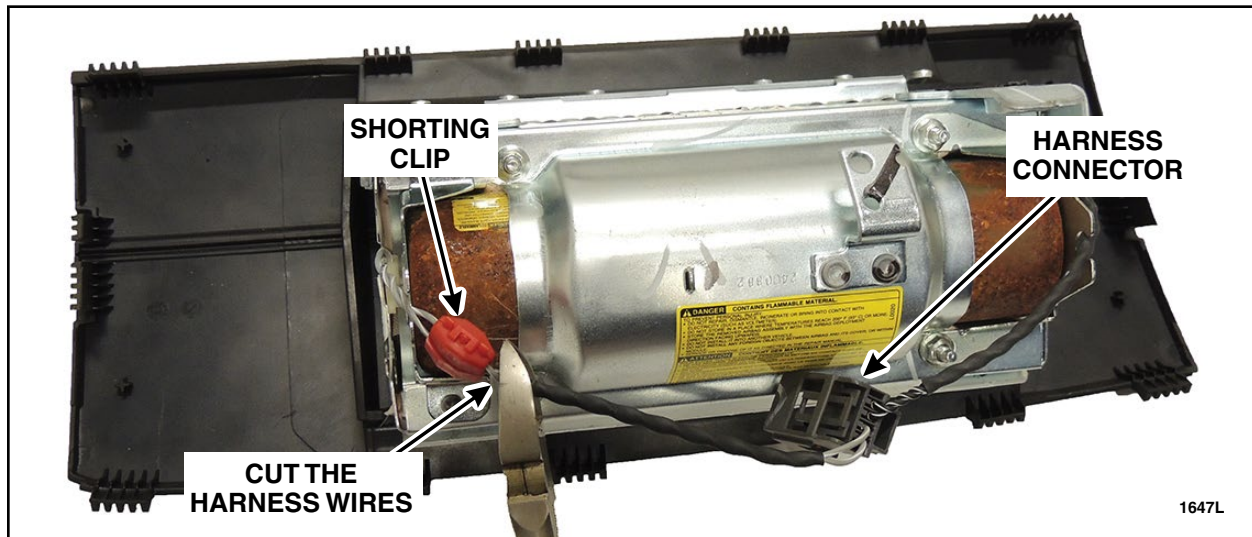


FIGURE 4



7. Remove and discard the four passenger airbag inflator retaining bracket nuts and the retaining bracket. See Figure 5.

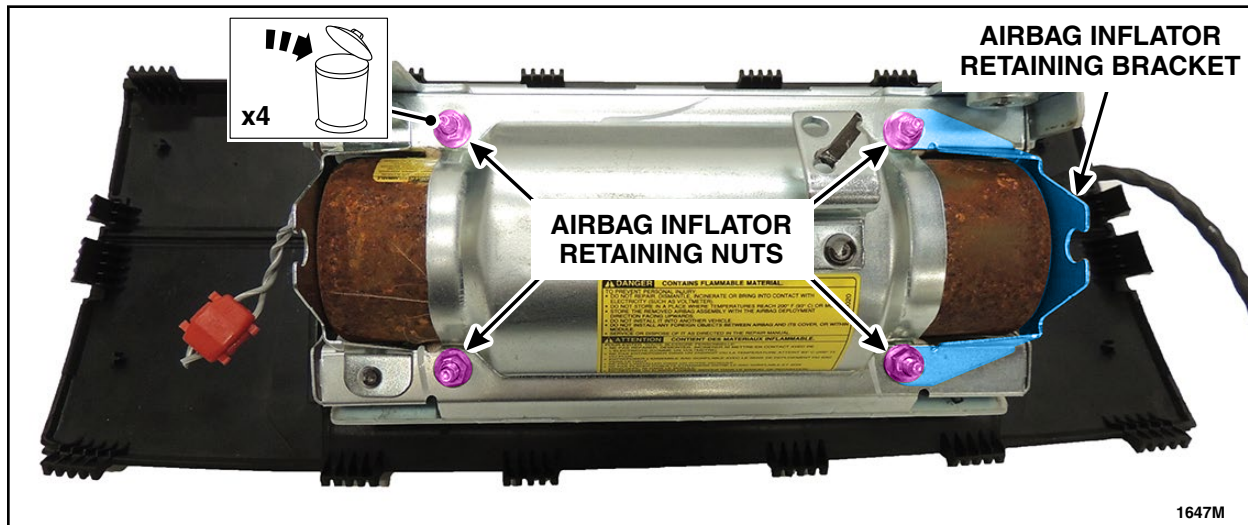


FIGURE 5

**⚠ WARNING:** Do not allow any debris on or around the airbag once the inflator is removed.

8. With an assistant holding the passenger airbag assembly, remove the inflator from the assembly by pushing outward on the inflator. Set the airbag inflator aside for return shipping. See Figure 6.
- If required, use of a brass punch is permitted (only at the location shown) to free the inflator from its mounted position.

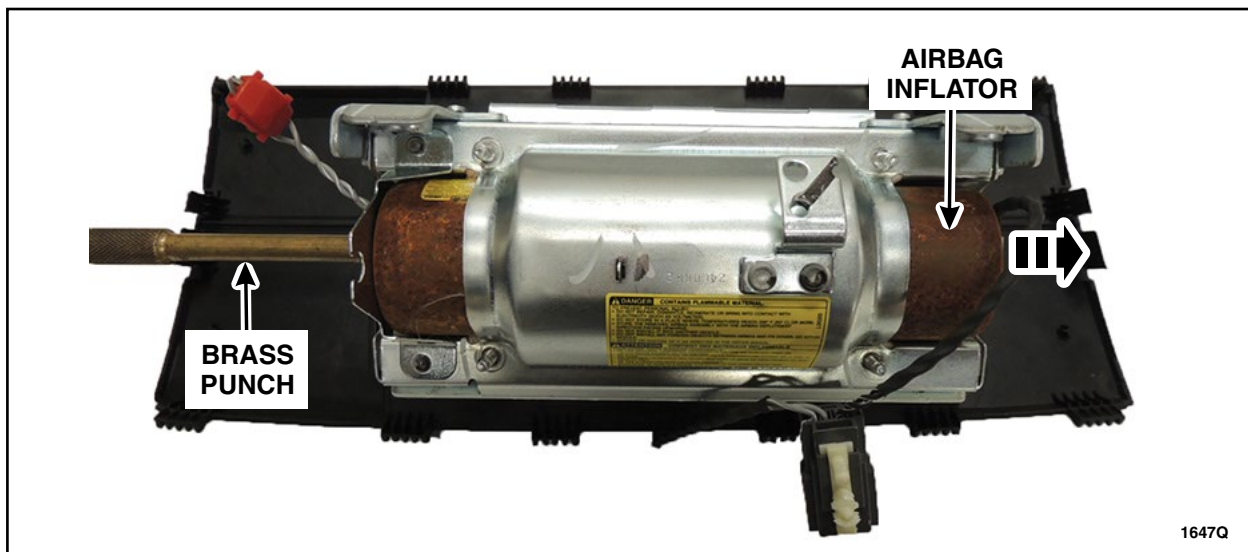


FIGURE 6





**NOTE: The serial number of the new airbag inflator must be provided to Ford for the warranty claim to be processed.**

9. Record the 11 character serial number of the *new* airbag inflator on the repair order. See Figure 7.



**FIGURE 7**



10. **NOTE:** Both *new* inflator end caps are specific to their respective end of the inflator and must be fully seated.

**NOTE:** The tail end cap does not have an alignment tab and may be installed in any orientation. Make sure the tail end cap is fully seated or you will not be able to install the inflator retaining bracket.

Install both *new* inflator end caps making sure the alignment feature on the cap nearest the inflator retaining bracket is properly oriented. See Figure 8.

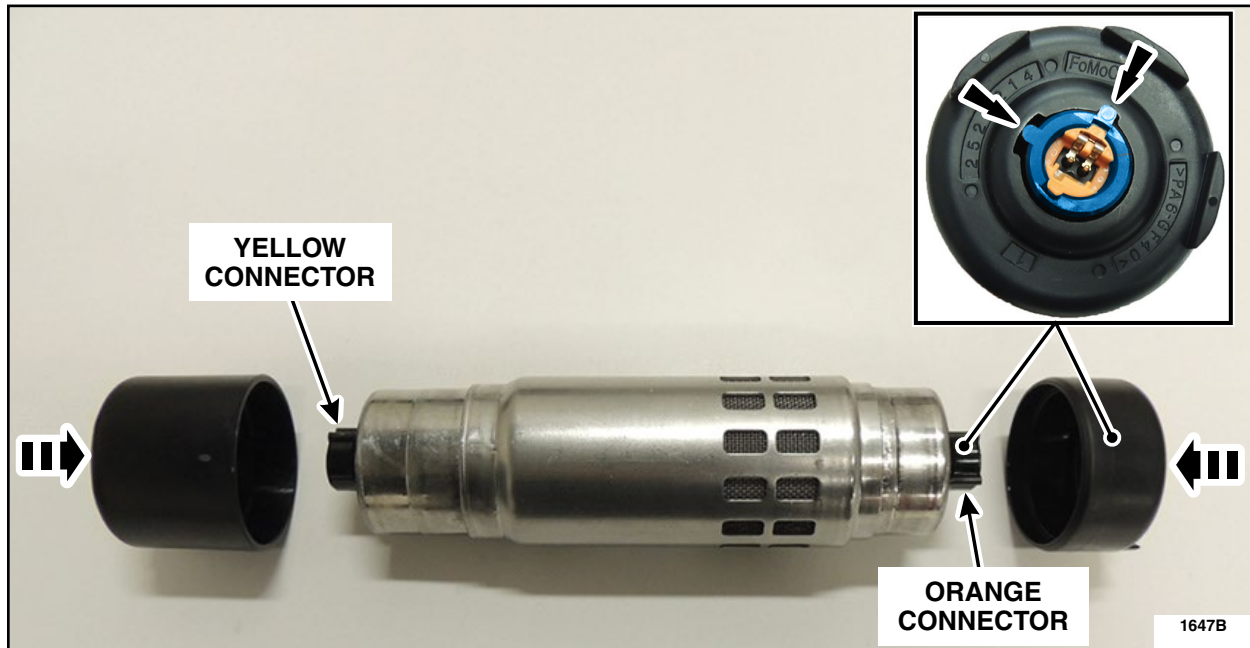


FIGURE 8

11. Install the inflator into the passenger airbag assembly with the orange connector end facing out. Align the three tabs on the cap nearest the inflator retaining bracket with the airbag module lower channel (facing down). See Figure 9.

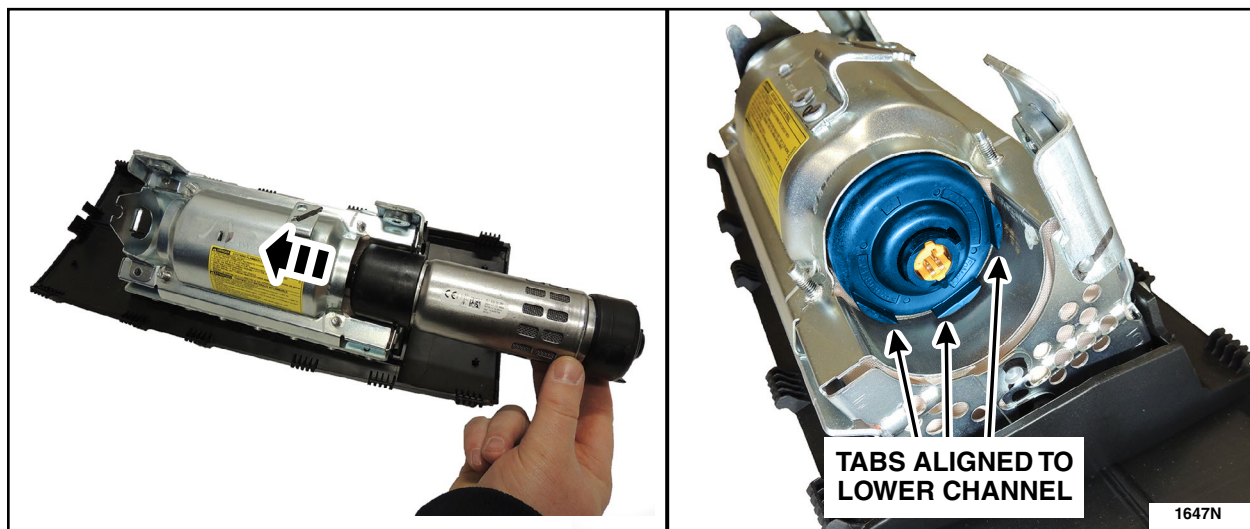


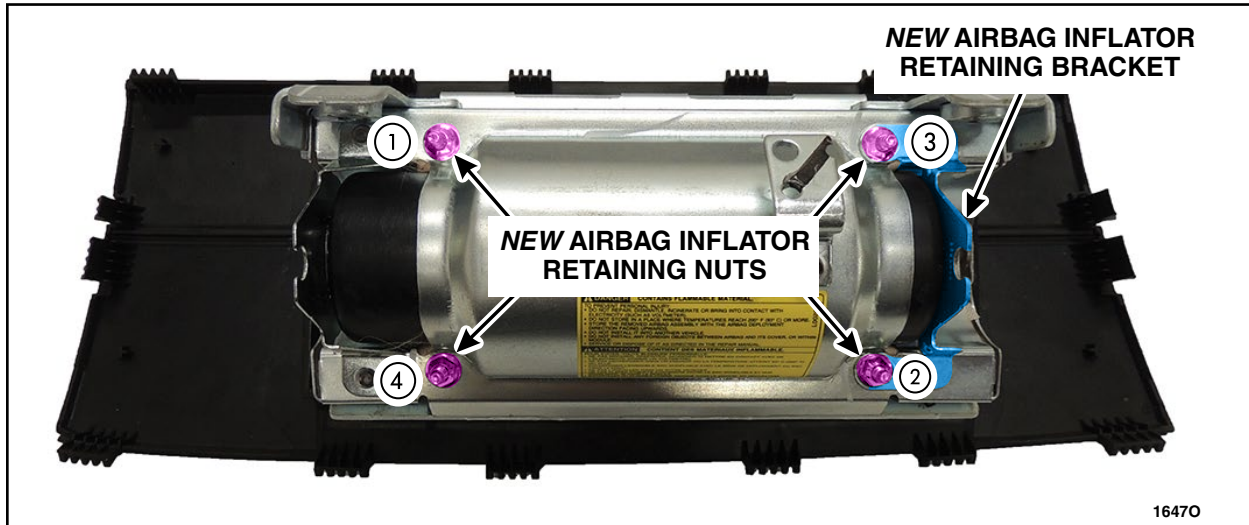
FIGURE 9



**NOTE:** If the inflator retaining bracket is unable to be installed, ensure the inflator tail end cap is fully seated.

12. Install the *new* passenger airbag inflator retaining bracket and *new* nuts. See Figure 10.

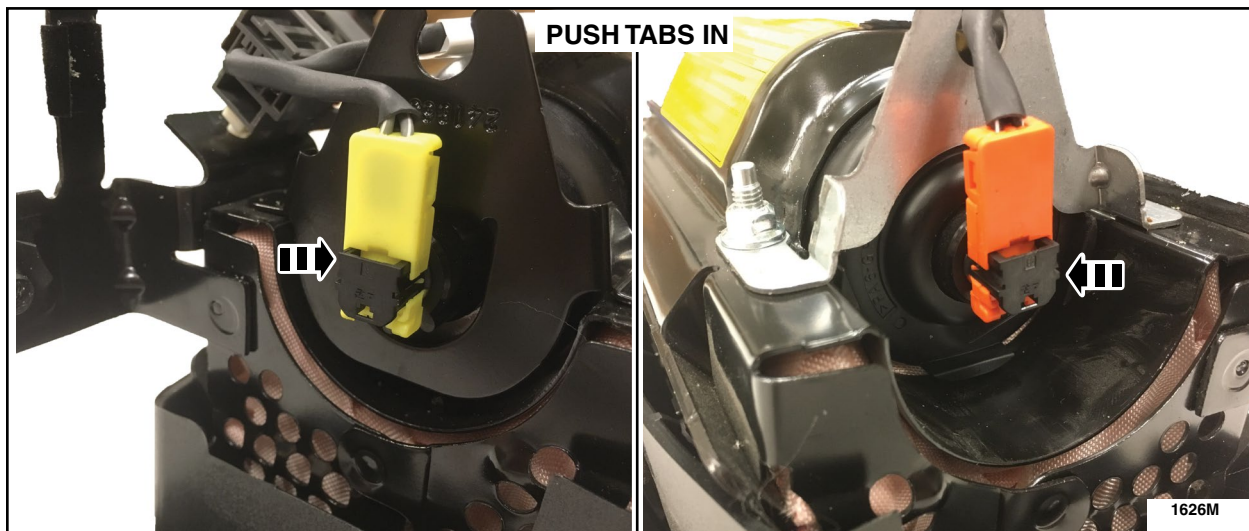
- Tighten to 4 Nm (35 lb-in).



**FIGURE 10**

13. Align the T-shape index on both the wiring harness electrical connector and the airbag inflator. Install the *new* wiring harness onto the passenger airbag module and connect to both sides of the inflator and fully seat the orange and yellow tabs. See Figure 11.

**NOTE:** Pull gently on the wiring harness to ensure it is properly seated.



**FIGURE 11**

14. Re-install the passenger airbag. Please follow WSM procedures in Section 501-20B.

15. Package the replaced inflator in the *new* part box and provide to the appropriate dealership personnel for part returns.



## CERTAIN 2010 AND 2013 MUSTANG VEHICLES — PASSENGER AIRBAG INFLATOR REPLACEMENT

### OVERVIEW

NHTSA and Takata have determined that the propellant in certain Takata airbag inflators can experience an alteration over time with exposure to certain climate conditions. A combination of time, high temperature fluctuations, and humidity contribute to the degradation of the propellant in the inflators. This degradation can cause the propellant to burn too quickly, creating high pressure inside the inflator, and in extreme cases causing the inflator to rupture in the event of a crash necessitating airbag deployment. A ruptured inflator can send inflator parts toward vehicle occupants resulting in serious injury or death.

Dealers are to replace the passenger airbag inflator. The serial number from the new airbag inflator must be recorded on the repair order. Place the replaced inflator into the packaging from the new part and provide to the appropriate dealership personnel for part returns.

**NEW ! NOTE:** For vehicles that the airbags have deployed or that have other modifications preventing the recall repair from being completed, submit a VIN specific request to the SSSC Web Contact Site prior to attempting a repair. Attach pictures of the vehicles airbag modules to the request.

### SERVICE PROCEDURE

#### Recommended Tools:

|                                   |
|-----------------------------------|
| 1/4" Drive Deep Socket - 7mm      |
| 1/4" Drive Ratchet                |
| 1/4" Drive Extension - 6" (152mm) |
| 1/4" Drive Shallow Socket - 8mm   |
| 1/4" Drive Impact Driver          |
| 1/4" Drive Torque Wrench          |
| Side Cutters                      |
| Utility Knife                     |
| Needle Nose Pliers                |
| Pocket Screwdriver                |






## AIRBAG INFLATOR REPLACEMENT

**NEW** NOTE: The following repair instructions only apply to 2010 and 2013 Mustang vehicles. Repair instructions will be published in separate attachments for the other vehicle lines included in this recall as parts become available for those vehicles. The parts used in this safety recall may physically appear to be identical, but they have differing operating characteristics. It is crucial that parts are not interchanged or substituted.

**WARNING:** Failure to follow the instructions and warnings in the Workshop Manual (WSM) may result in injury.

**NOTE:** If the Airbag Readiness light indicates no Supplemental Restraint System (SRS) faults are present, it is not necessary to follow the WSM SRS Depowering and Repowering steps. Turn the ignition to OFF and wait 1 minute, then it is safe to proceed with airbag inflator replacement.

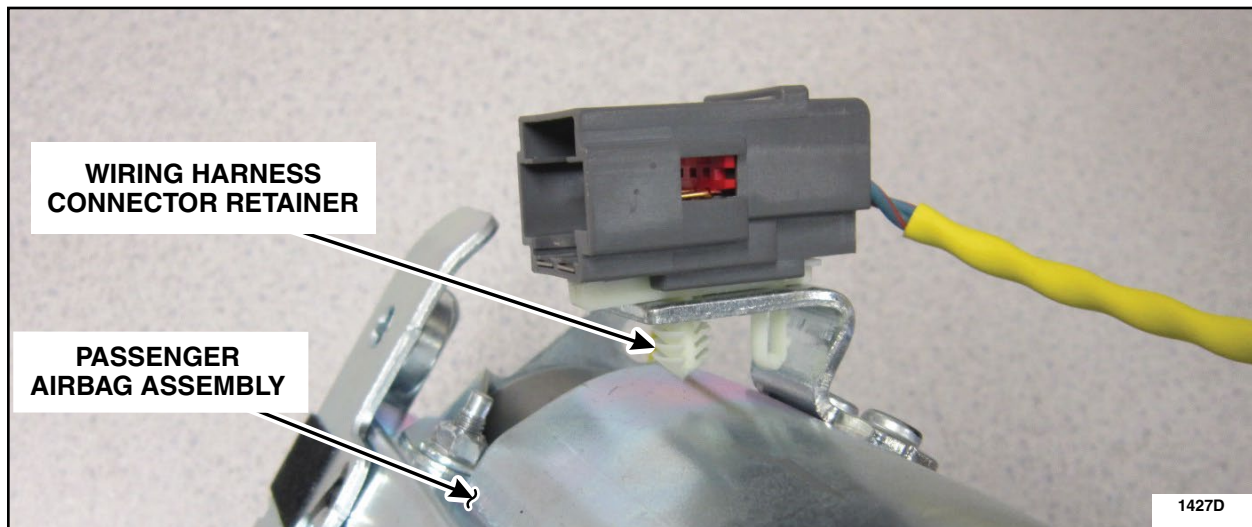
**NOTE:** The ignition must remain OFF until this service procedure is completed.

**NOTE:** To view a video demonstration of this repair procedure, click the video icon. 



**NOTE:** For Mustang vehicles equipped with SYNC, it is not necessary to remove the Accessory Protocol Interface Module (APIM) retainers to access the passenger airbag module. Unclip the APIM mounting bracket and position the APIM aside.

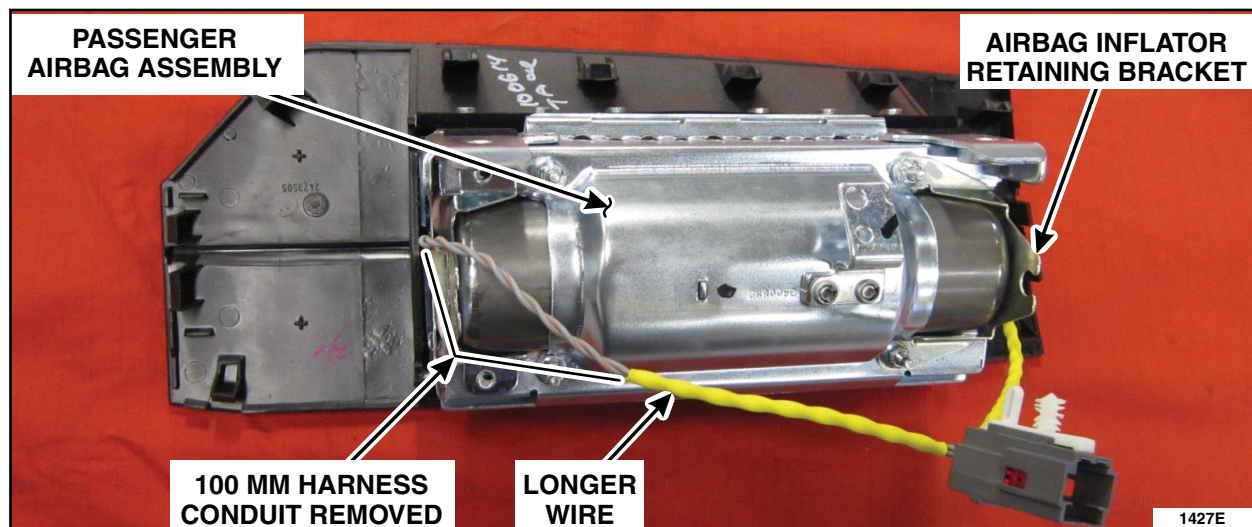
1. Remove the passenger airbag from the vehicle. Please follow the WSM procedures in Section 501-20B.
2. Set the airbag face down onto a surface that will not scratch or damage the airbag face.
3. Remove the wiring harness connector retainer from the passenger airbag assembly. See Figure 1.



**FIGURE 1**

**NOTE:** Carry out this step on the longer wire on the end opposite of the airbag inflator retaining bracket. See Figure 2.

4. Remove approximately 100 mm (3.93 in) of the yellow conduit from the passenger airbag assembly wire harness. See Figure 2.



**FIGURE 2**



5. Position the shorting clip onto the harness wires, and crimp the shorting clip together one side at a time using pliers. See Figure 3.

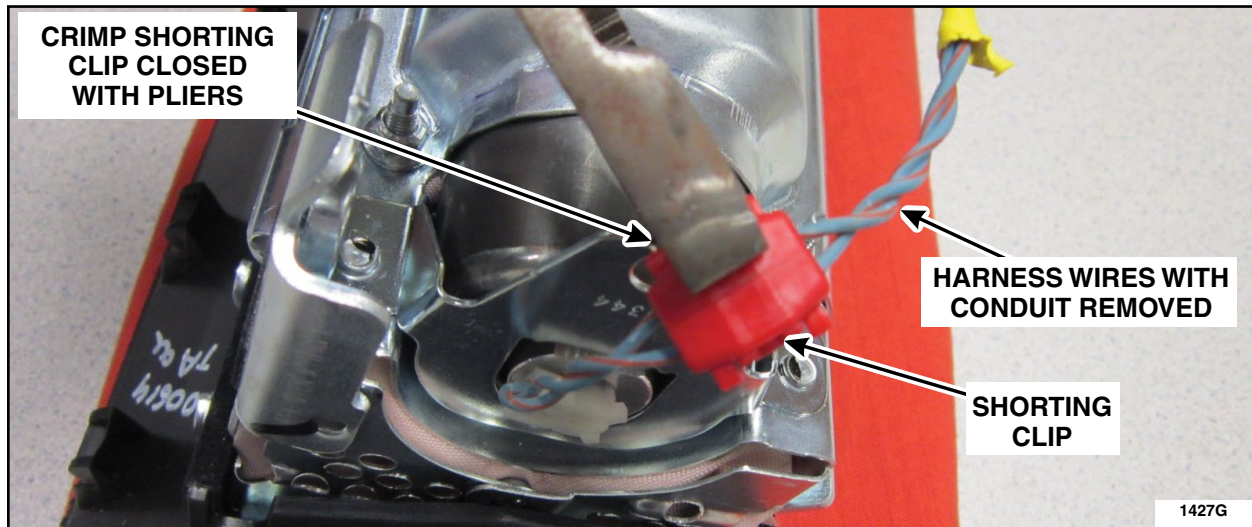


FIGURE 3

6. Cut the harness wires between the shorting clip and the harness connector. See Figure 4.

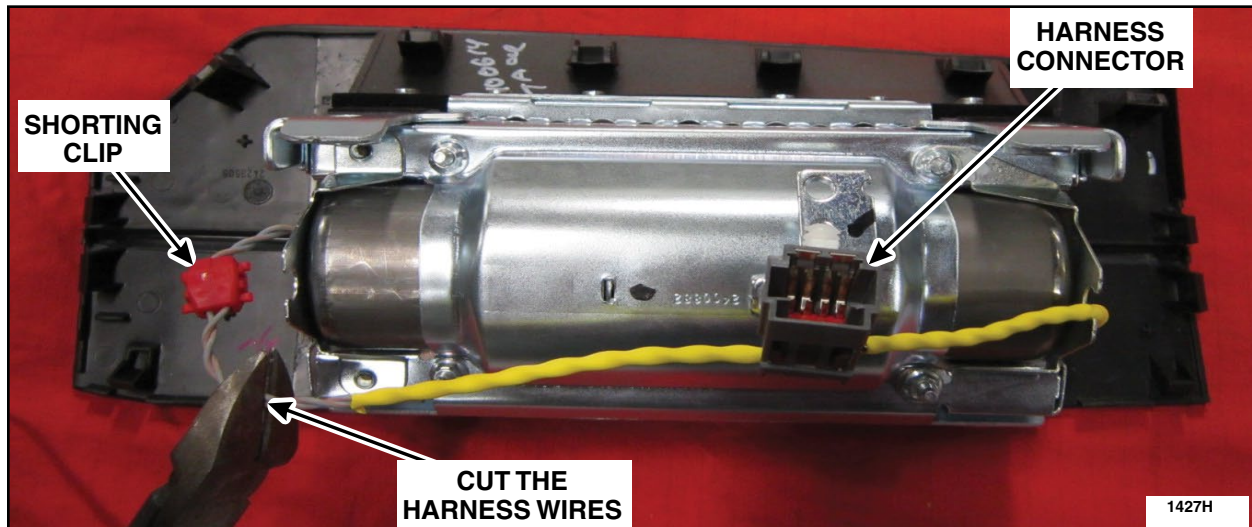


FIGURE 4





7. Remove and discard the four passenger airbag inflator retaining bracket nuts and the retaining bracket. See Figure 5.

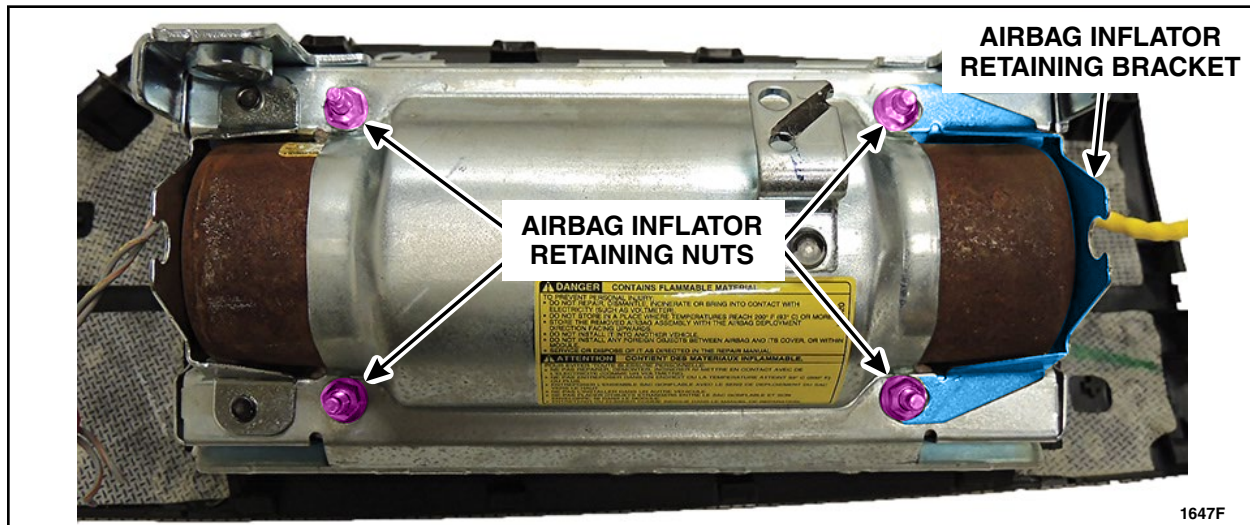


FIGURE 5

**⚠ WARNING:** Do not allow any debris on or around the airbag once the inflator is removed.

8. With an assistant holding the passenger airbag assembly, remove the inflator from the assembly by pushing outward on the inflator. Set the airbag inflator aside for return shipping. See Figure 6.
- If required, use of a brass punch is permitted (only at the location shown) to free the inflator from its mounted position.

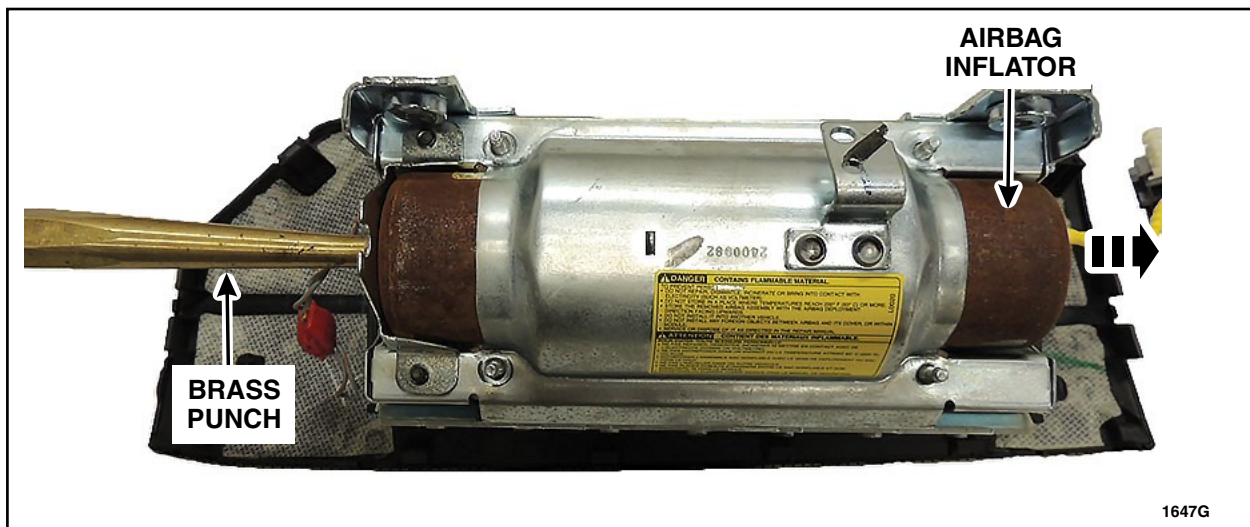


FIGURE 6



**NOTE: The serial number of the new airbag inflator must be provided to Ford for the warranty claim to be processed.**

9. Record the 11 character serial number of the *new* airbag inflator on the repair order. See Figure 7.



**FIGURE 7**



10. **NOTE:** Both *new* inflator end caps are specific to their respective end of the inflator and must be fully seated.

**NOTE:** The tail end cap does not have an alignment tab and may be installed in any orientation.

Install both *new* inflator end caps making sure the alignment feature on the cap nearest the inflator retaining bracket is properly oriented. See Figure 8.

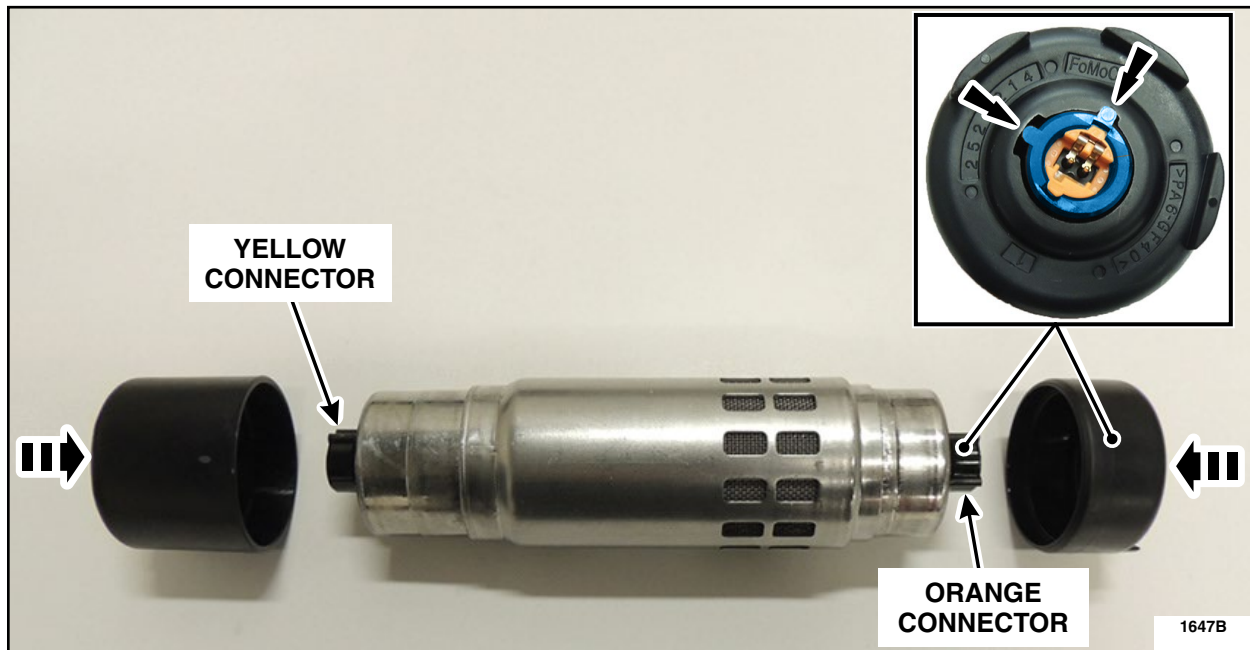


FIGURE 8

11. Install the inflator into the passenger airbag assembly with the orange connector end facing out. Align the three tabs on the cap nearest the inflator retaining bracket with the airbag module lower channel (facing down). See Figure 9.

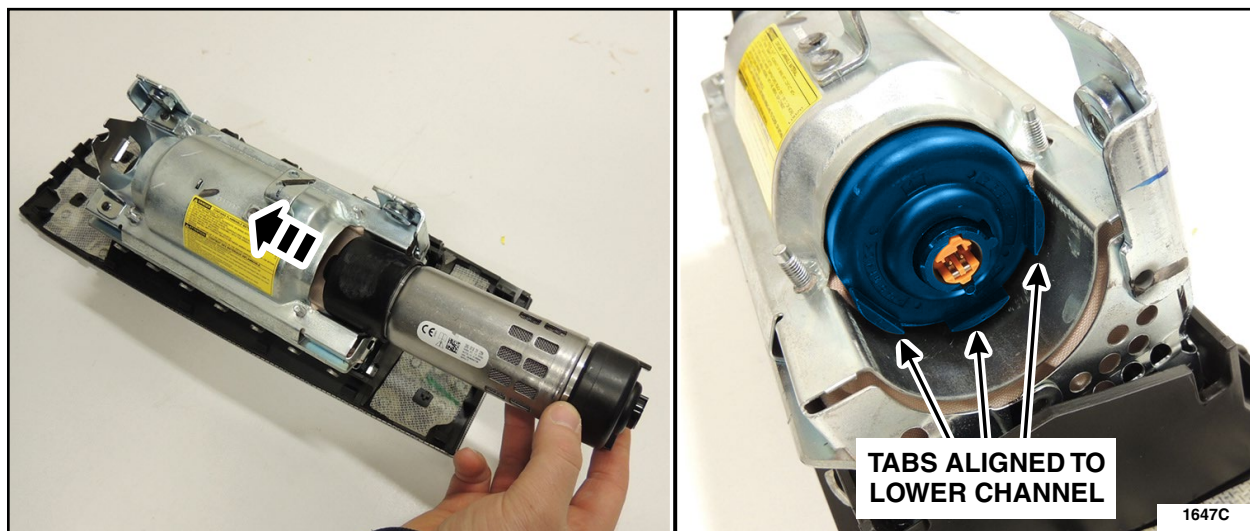


FIGURE 9

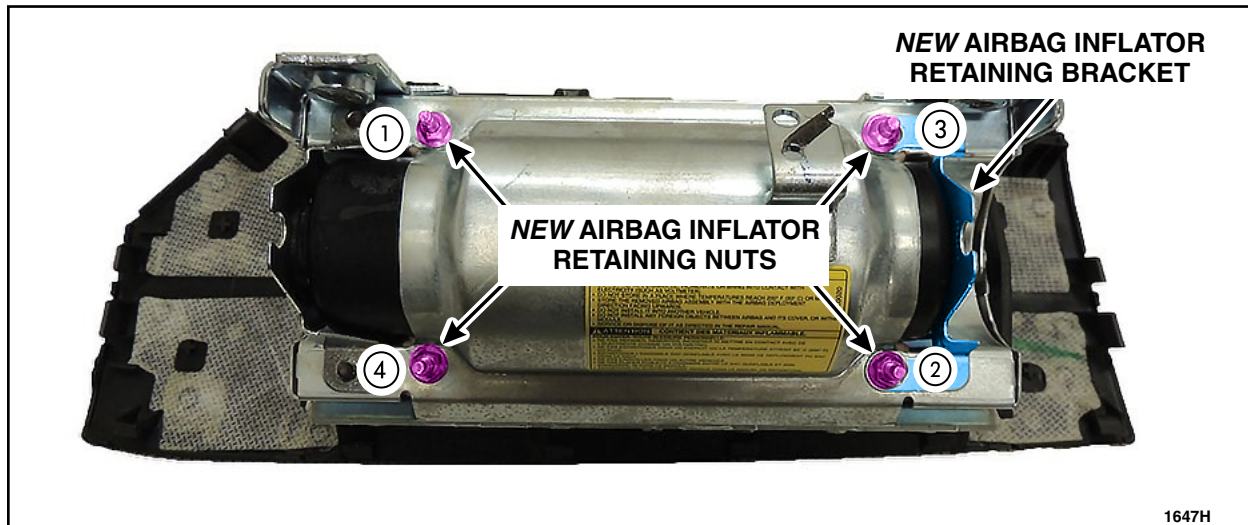




**NOTE:** If the inflator retaining bracket is unable to be installed, ensure the inflator tail end cap is fully seated.

12. Install the *new* passenger airbag inflator retaining bracket and *new* nuts. See Figure 10.

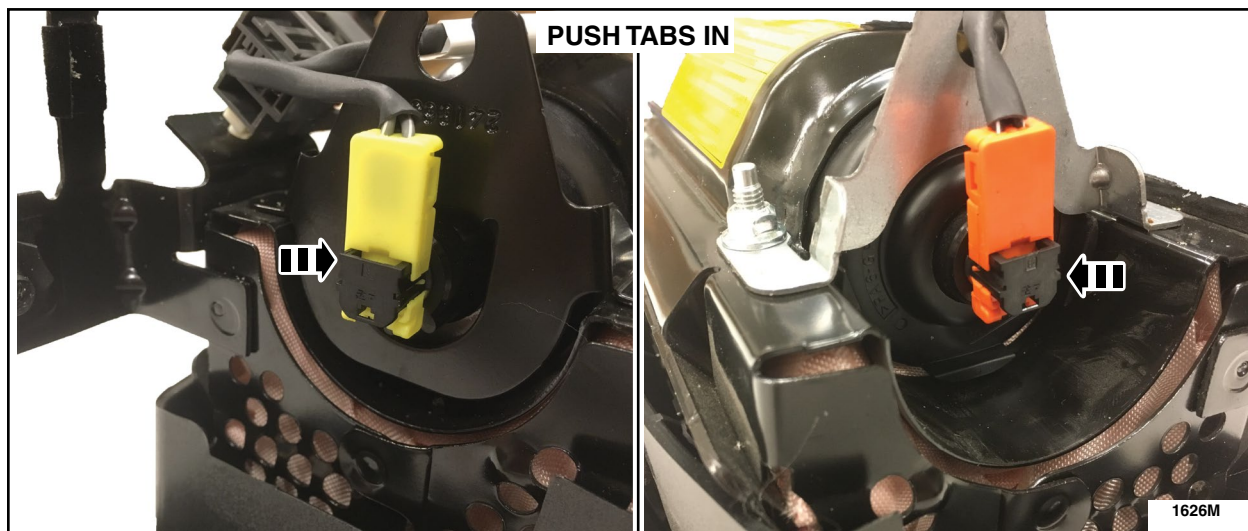
- Tighten to 4 Nm (35 lb-in).



**FIGURE 10**

13. Align the T-shape index on both the wiring harness electrical connector and the airbag inflator. Install the *new* wiring harness onto the passenger airbag module and connect to both sides of the inflator and fully seat the orange and yellow tabs. See Figure 11.

**NOTE:** Pull gently on the wiring harness to ensure it is properly seated.



**FIGURE 11**

14. Re-install the passenger airbag. Please follow WSM procedures in Section 501-20B.

15. Package the replaced inflator in the *new* part box and provide to the appropriate dealership personnel for part returns.



**NEW!** CERTAIN 2009-2010 RANGER VEHICLES — PASSENGER AIRBAG INFLATOR REPLACEMENT

**OVERVIEW**

NHTSA and Takata have determined that the propellant in certain Takata airbag inflators can experience an alteration over time with exposure to certain climate conditions. A combination of time, high temperature fluctuations, and humidity contribute to the degradation of the propellant in the inflators. This degradation can cause the propellant to burn too quickly, creating high pressure inside the inflator, and in extreme cases causing the inflator to rupture in the event of a crash necessitating airbag deployment. A ruptured inflator can send inflator parts toward vehicle occupants resulting in serious injury or death.

Dealers are to replace the passenger airbag inflator. The serial number from the new airbag inflator must be recorded on the repair order. Place the replaced inflator into the packaging from the new part and provide to the appropriate dealership personnel for part returns.

**NOTE:** For vehicles that the airbags have deployed or that have other modifications preventing the recall repair from being completed, submit a VIN specific request to the SSSC Web Contact Site prior to attempting a repair. Attach pictures of the vehicles airbag modules to the request.

**SERVICE PROCEDURE**

**Recommended Tools:**

|                                   |
|-----------------------------------|
| 1/4" Drive Deep Socket - 7mm      |
| 1/4" Drive Ratchet                |
| 1/4" Drive Extension - 6" (152mm) |
| 1/4" Drive Shallow Socket - 8mm   |
| 1/4" Drive Impact Driver          |
| 1/4" Drive Torque Wrench          |
| Side Cutters                      |
| Utility Knife                     |
| Needle Nose Pliers                |
| Pocket Screwdriver                |





## AIRBAG INFLATOR REPLACEMENT

**NOTE:** The following repair instructions only apply to 2009 - 2010 Ranger vehicles. Repair instructions will be published in separate attachments for the other vehicle lines included in this recall as parts become available for those vehicles. The parts used in this safety recall may physically appear to be identical, but they have differing operating characteristics. It is crucial that parts are not interchanged or substituted.

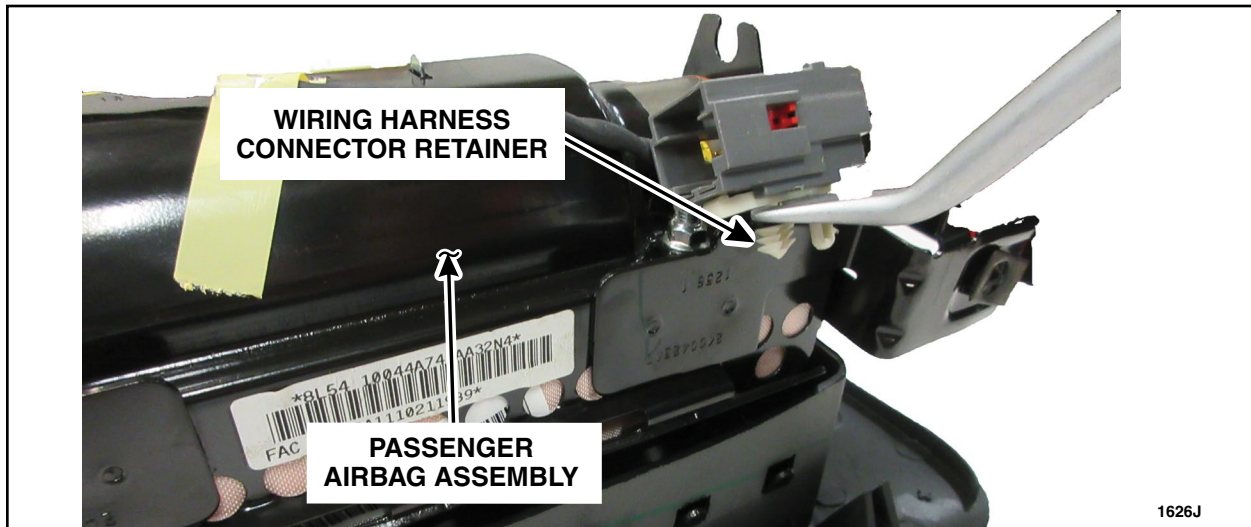
 **WARNING:** Failure to follow the instructions and warnings in the Workshop Manual (WSM) may result in injury.

**NOTE:** If the Airbag Readiness light indicates no Supplemental Restraint System (SRS) faults are present, it is not necessary to follow the WSM SRS Depowering and Repowering steps. Turn the ignition to OFF and wait 1 minute, then it is safe to proceed with airbag inflator replacement.

**NOTE:** The ignition must remain OFF until this service procedure is completed.



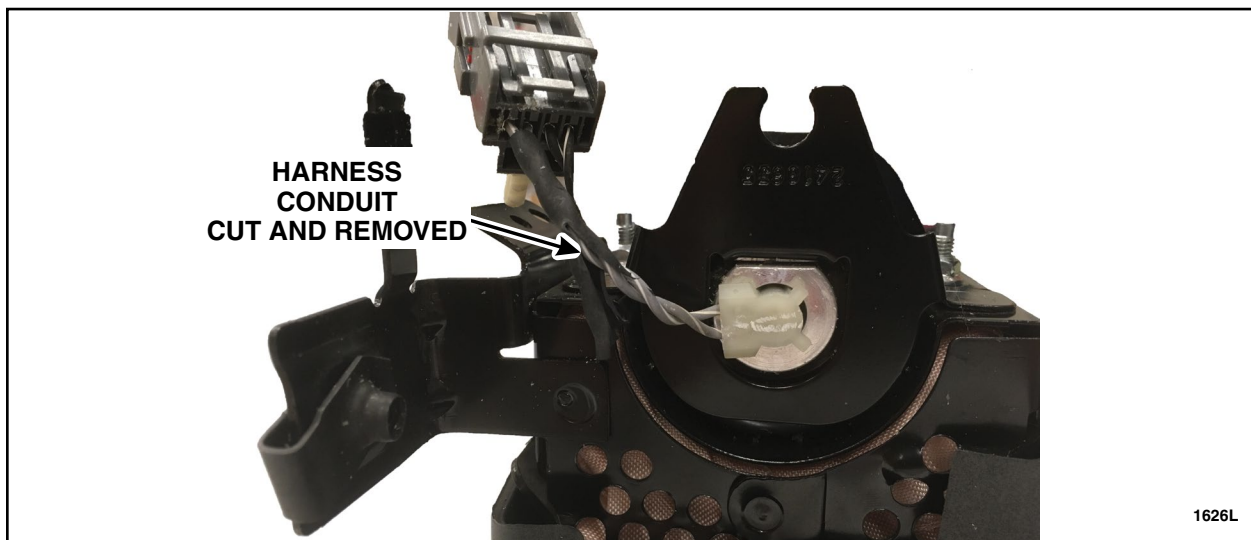
1. Remove the passenger airbag from the vehicle. Please follow the WSM procedures in Section 501-20B.
2. Set the airbag face down onto a surface that will not scratch or damage the airbag face.
3. Remove the wiring harness connector retainer from the passenger airbag assembly. See Figure 1.



**FIGURE 1**

**NOTE:** Carry out this step on the shorter wire on the end opposite of the airbag inflator retaining bracket. See Figure 2.

4. Remove the black conduit from the passenger airbag assembly wire harness in the area shown. See Figure 2.



**FIGURE 2**



5. Position the shorting clip onto the harness wires, and crimp the shorting clip together one side at a time using pliers. See Figure 3.
6. Cut the harness wires between the shorting clip and the harness connector. See Figure 3.

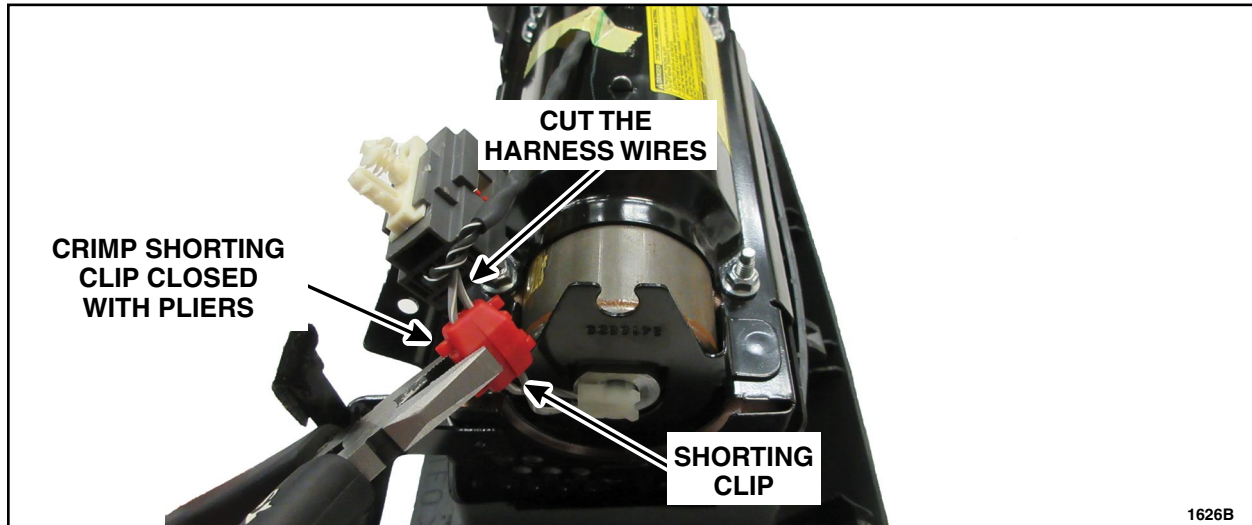


FIGURE 3

7. Remove and discard the four passenger airbag inflator retaining bracket nuts and the retaining bracket. See Figure 4.

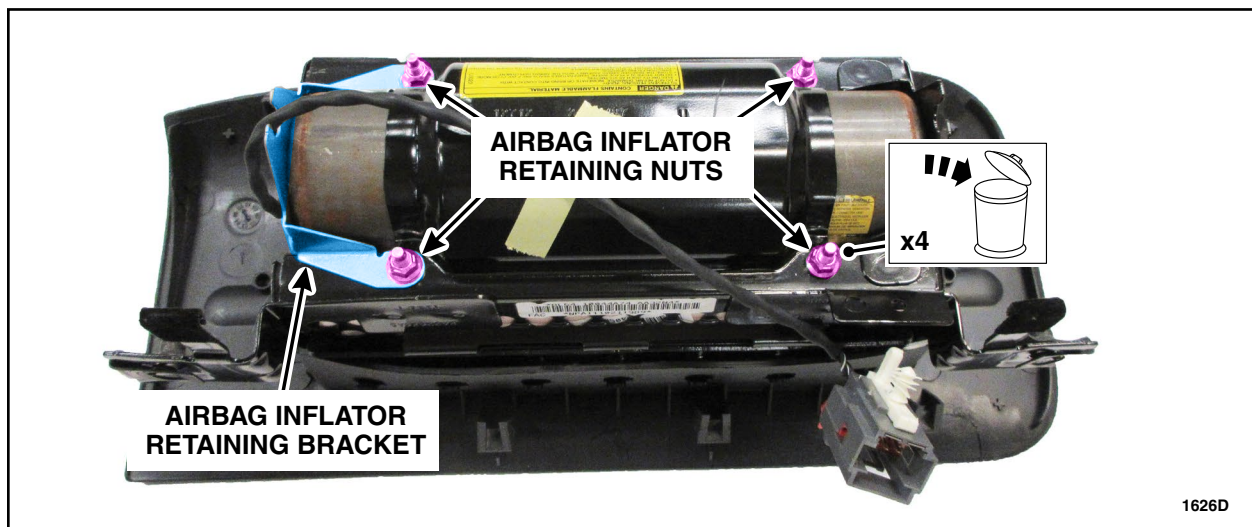


FIGURE 4



**⚠ WARNING:** Do not allow any debris on or around the airbag once the inflator is removed.

8. With an assistant holding the passenger airbag assembly, remove the inflator from the assembly by pushing outward on the inflator. Set the airbag inflator aside for return shipping. See Figure 5.

- If required, use of a brass punch is permitted (only at the location shown) to free the inflator from its mounted position.

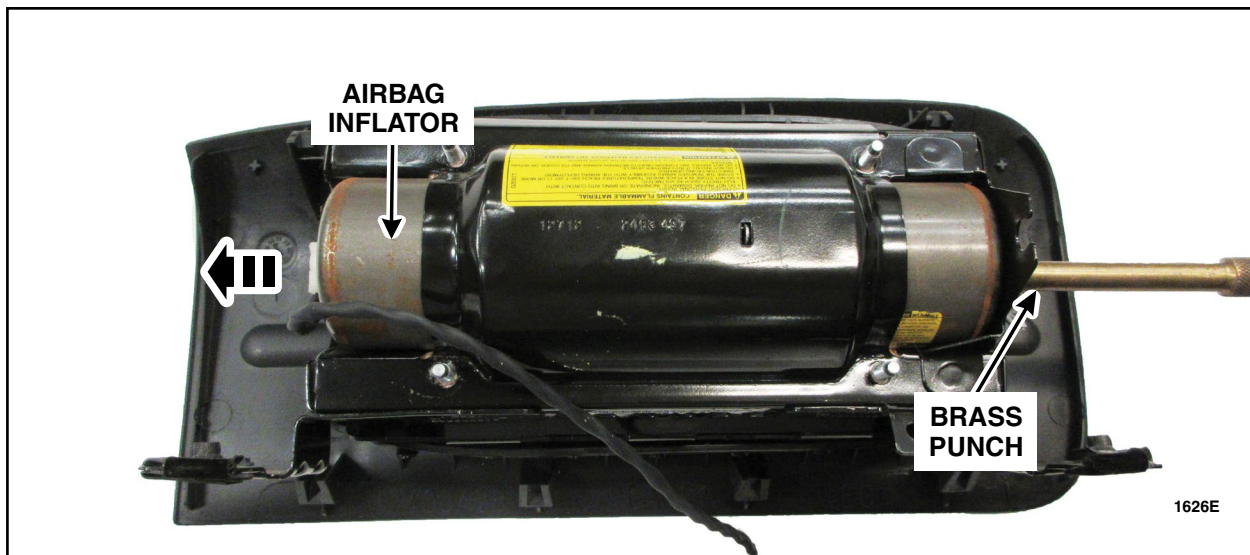


FIGURE 5

**NOTE:** The serial number of the new airbag inflator must be provided to Ford for the warranty claim to be processed.

9. Record the 11 character serial number of the *new* airbag inflator on the repair order. See Figure 6.

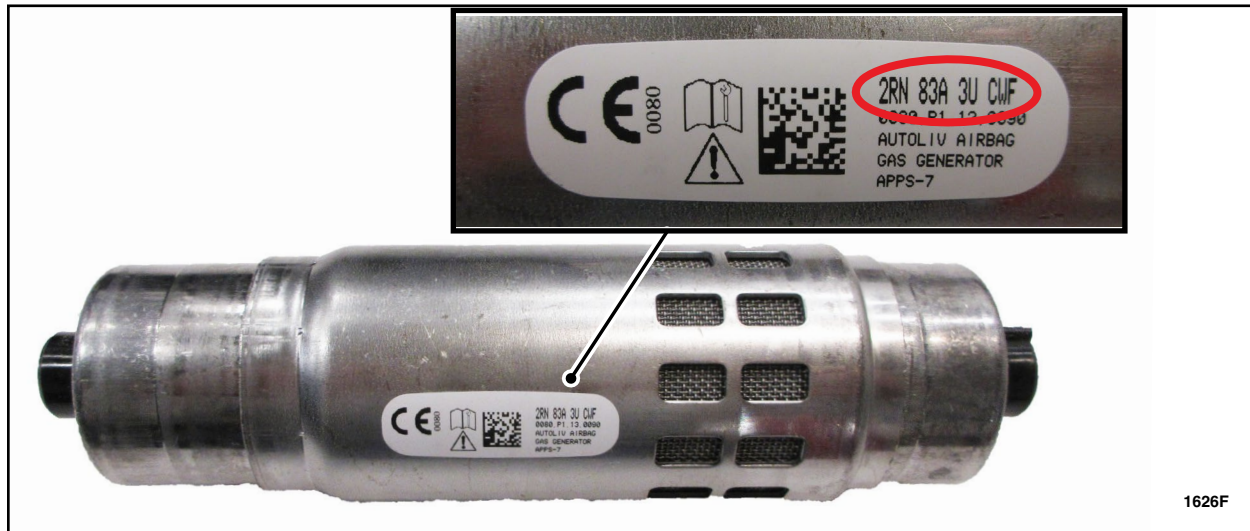


FIGURE 6



10. **NOTE:** Both *new* inflator end caps are specific to their respective end of the inflator and must be fully seated.

**NOTE:** The tail end cap does not have an alignment tab and may be installed in any orientation. Make sure the tail end cap is fully seated or you will not be able to install the inflator retaining bracket.

Install both *new* inflator end caps making sure the alignment feature on the cap nearest the inflator retaining bracket is properly oriented. See Figure 7.

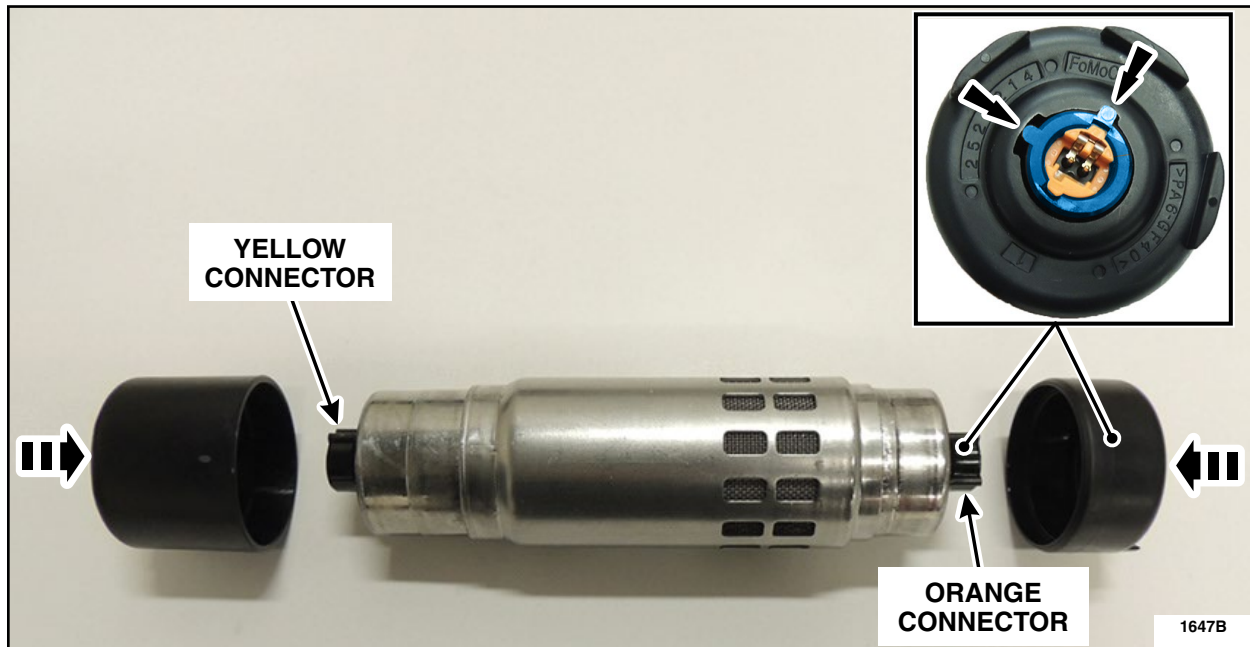
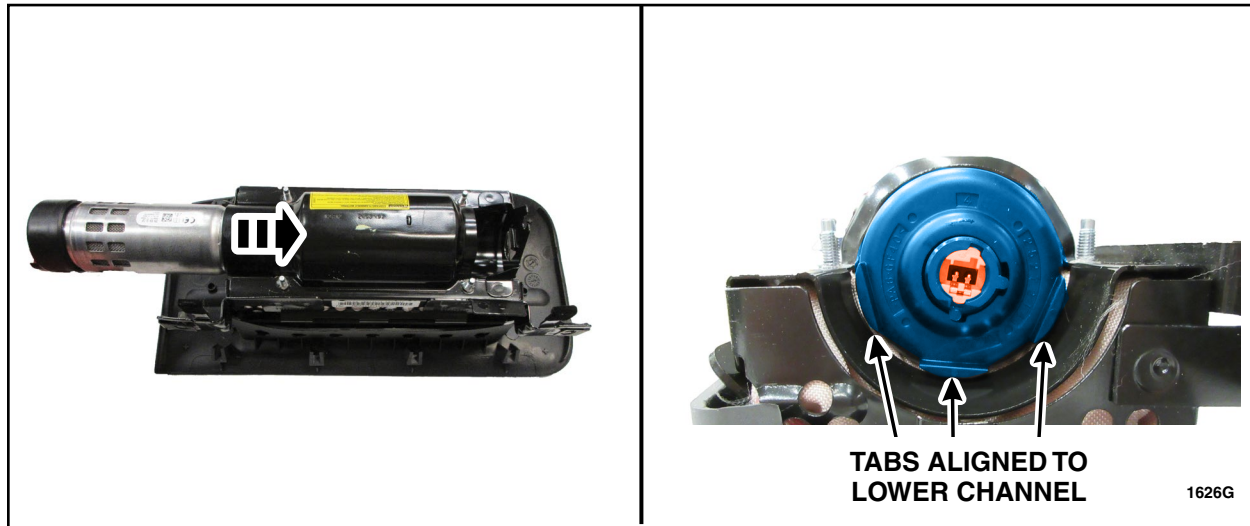


FIGURE 7





11. Install the inflator into the passenger airbag assembly with the orange connector end facing out. Align the three tabs on the cap nearest the inflator retaining bracket with the airbag module lower channel (facing down). See Figure 8.

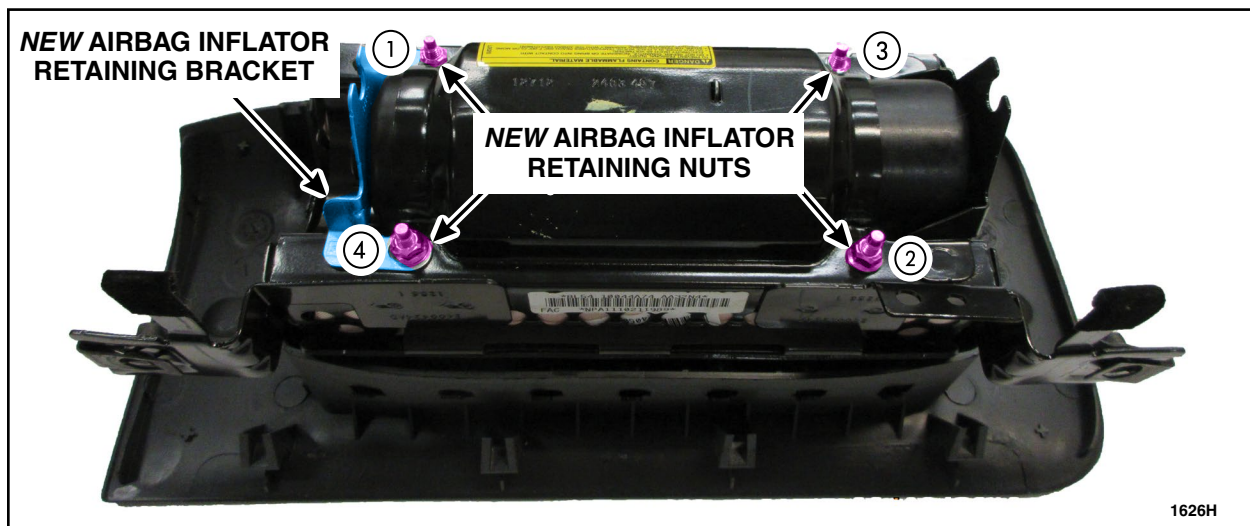


**FIGURE 8**

**NOTE:** If the inflator retaining bracket is unable to be installed, ensure the inflator tail end cap is fully seated.

12. Install the *new* passenger airbag inflator retaining bracket and *new* nuts. See Figure 9.

- Torque the new retaining nuts in the sequence shown below. Tighten to 4 Nm (35 lb in).

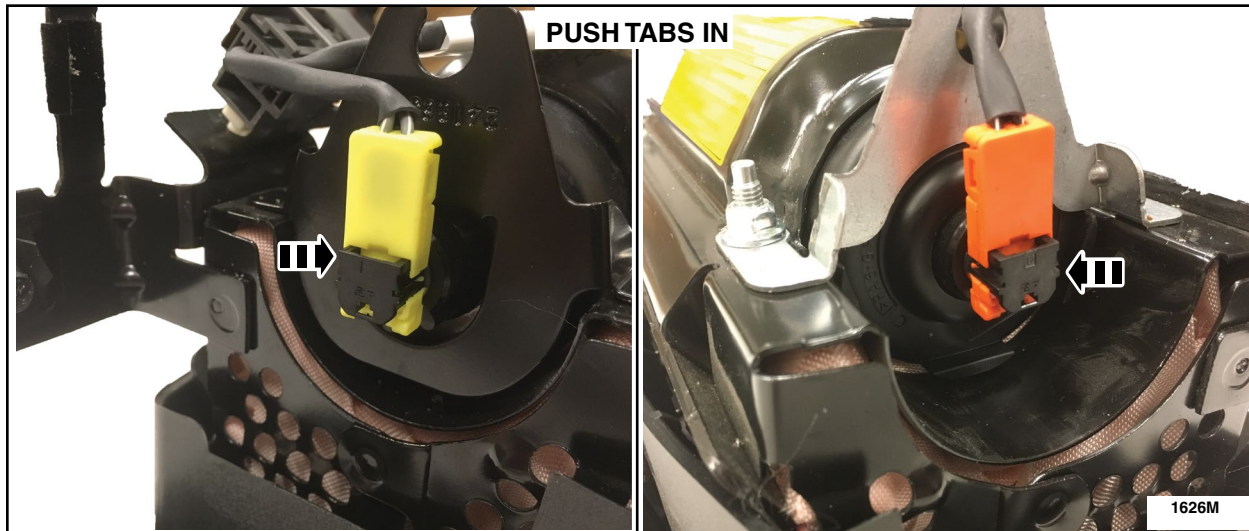


**FIGURE 9**



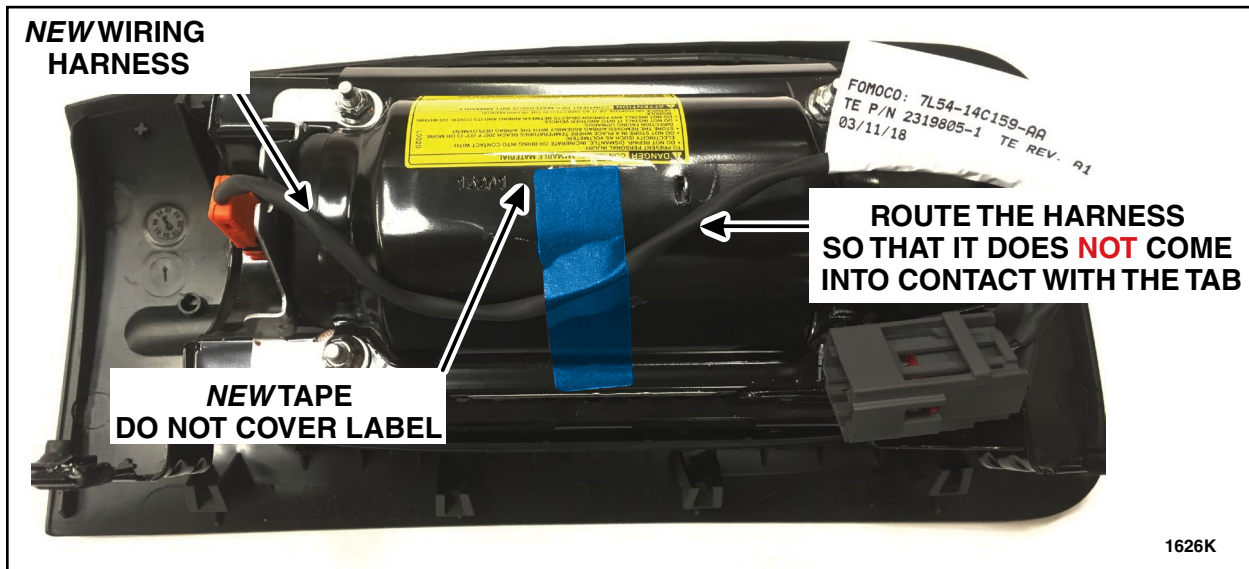
- Align the T-shape index on both the wiring harness electrical connector and the airbag inflator. Install the *new* wiring harness onto the passenger airbag module and connect to both sides of the inflator and fully seat the orange and yellow tabs. See Figure 10.

**NOTE:** Pull gently on the wiring harness to ensure it is properly seated.



**FIGURE 10**

- Install the *new* tape to the wiring harness and airbag assembly, do not cover the airbag warning label with the new tape. For correct placement See Figure 11.



**FIGURE 11**

- Re-install the passenger airbag. Please follow WSM procedures in Section 501-20B.
- Package the replaced inflator in the *new* part box and provide to the appropriate dealership personnel for part returns.



**Safety Recall 18S01 - Supplement # 1**  
Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
Milan, MKZ, Edge and MKX Vehicles  
Passenger Airbag Inflator Replacement

**DEALER Q & A**

- Q1. Why can't vehicles other than Mustang and Ranger be repaired now?**
- A. Repairs for other vehicles require a different part and repair procedure. Parts and repair instructions for most other vehicles affected by this recall are expected to be available throughout the second and third quarters of 2018.
- Q2. How will I know when parts are available for other vehicles affected by this recall?**
- A. *Dealers are encouraged to refer to the [Takata Airbag Inflator Recall Information for Dealers](#) document on the FMC dealer homepage for the latest parts status for all Takata airbag recalls. The dealer bulletin will also be updated as repair information becomes available.*
- Q3. Are rental vehicles available for vehicles where parts are not currently available?**
- A. *For Fusion, Milan, MKZ, Edge and MKX vehicles*, if the customer requests a rental vehicle while waiting for parts to become available, dealers should contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site for rental approval.  
*For Ranger and Mustang vehicles*, parts are readily available to complete the recall on these vehicles. With proper dealer parts ordering and service appointment scheduling, rental vehicles should not be required.
- Q4. Why is a core charge applied to the parts for this program when that has not been the case on previous Takata recalls?**
- A. This is an effort to make it easier to do business with Ford and reduce the amount of paperwork required for dealers.  
**NOTE:** All previously published Takata safety recalls will continue to use the FCS-700 tag process (15S21, 17S42 and 18S02).
- Q4. How should I handle a vehicle with airbags that have already deployed?**
- A. *For vehicles that the airbags have deployed or that have other modifications preventing the recall repair from being completed:*
- *Submit a VIN specific request to the SSSC Web Contact Site prior to attempting a repair.*
  - *Attach pictures of the vehicles airbag modules to the request.*



**Safety Recall 18S01 - Supplement # 1**  
Certain 2009-2010 and 2013 Mustang, 2009-2010 Ranger, Fusion,  
Milan, MKZ, Edge and MKX Vehicles  
Passenger Airbag Inflator Replacement

**REGIONAL CORE RECOVERY CENTER**  
**AIRBAG INFLATOR RETURN PROCESS – PARTS WITH CORE CHARGES**

**DEALER PART RETURN INSTRUCTIONS AND SHIPPING DOCUMENTATION**

Parts used under safety recall 18S01 have a core charge and will be identified as such with the yellow core label on the packaging. The Regional Core Recover Center (RCRC), including dealers in Alaska and Hawaii, will pick up these airbag inflators along with all other core returns during your normal core retrieval visit.

**THE AIRBAG INFLATOR REMOVED FROM THE VEHICLE MUST BE RETURNED IN THE NEW REPLACEMENT INFLATOR PACKAGING.**

- **Ensure that you have processes in place to safeguard the packaging.**
- **The Dealer provided Haz-Mat Materials must also be returned in the packaging.**
- **RCRC's will not accept any airbag inflators without correct packaging or Haz-Mat documentation.**
- **The new replacement service part packaging is certified with the appropriate DOT marks and labels.**
- **Ensure that all marks and labels are present prior to tendering to the RCRC for core credit.**

**Airbag Inflator Haz-Mat Return Instructions**

Print and provide both of the following completed documents to the RCRC driver:

1. Hazardous Materials Shipping Document (Page 2)
  - a. In the box titled Shipper, enter your dealership name and address.
  - b. In the box titled Receiver, enter the address of your Regional Core Recovery Center.  
**NOTE:** Page 4 contains a list of RCRC locations. If you are unsure of which RCRC location serves your dealership, please consult the RCRC driver.
  - c. In the box titled **Number/Type of Package**, enter the number of boxed airbag inflators.
  - d. In the box titled **Weight**, enter the total shipment weight of all boxed airbag inflators.
  - e. At the bottom of the Hazardous Materials Shipping Document, complete the Shipper's Certification
2. North American Emergency Response Guide 171 (Page 3)

**HAZARDOUS MATERIALS SHIPPING DOCUMENT – GROUND TRANSPORTATION**

| SHIPPER   | RECEIVER                      |
|---|-------------------------------|
| Dealership Name:  | Ford Motor Company            |
|   | Regional Core Recovery Center |
| Address:  | Address:                      |
|   |                               |
|   |                               |
| Phone:  | Phone:                        |
| <b>24-HOUR EMERGENCY CONTACT: INFOTRAC 1-800-535-5053 (Domestic) 1-352-323-3500 (International)</b> |                               |

**General Instructions:** Pursuant to 49 CFR each person who offers a hazardous material for transportation shall perform the following pre-transportation functions: (1) Determine the hazard class of the material (2) Select authorized hazmat packaging (3) Fill hazmat packaging (4) Properly close hazmat packaging (5) Properly mark the package (6) Properly label the package (7) Prepare shipping document (8) Provide and maintain emergency response information (9) Review shipping paper to verify compliance to 49 CFR (10) Sign shipping document to certify shipment is in conformance to 49 CFR (11) Load hazardous material in transport vehicle (12) Segregate hazardous material from incompatible cargo (13) Select, provide or affix placards to transport vehicle to indicate that it holds hazardous materials.

Also, pursuant to 49 CFR an employer must ensure any employee performing any function affecting the transport of hazardous materials must be appropriately trained for the function the employee performs and must be retrained every thirty-six months.

| DOT Shipping Description |  |             |
|--------------------------|--|-------------|
| Number/Type of Package   | UN Number, Proper Shipping Name, Hazard Class, Packing Group | Weight      |
| <b>Box(es)</b>           | <b>UN3268, Safety Devices, Class 9</b>                       | <b>Lbs.</b> |
|                          |  |             |
|                          |  |             |
|                          |  |             |
|                          |  |             |
|                          |  |             |
|                          |  |             |
|                          |  |             |

**Shipper’s Certification (49 CFR 172.204):** This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

**NAME:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

| <b>GUIDE</b><br>171<br>SUBSTANCES (LOW TO MODERATE HAZARD)  | ERG2012  | <b>GUIDE</b><br>171<br>SUBSTANCES (LOW TO MODERATE HAZARD)  | ERG2012  |
|---|--|---|--|
| <p><b>EMERGENCY RESPONSE</b></p> <p><b>FIRE</b></p> <p><b>Small Fire</b></p> <ul style="list-style-type: none"> <li>• Dry chemical, CO<sub>2</sub>, water spray or regular foam.</li> </ul> <p><b>Large Fire</b></p> <ul style="list-style-type: none"> <li>• Water spray, fog or regular foam.</li> <li>• Do not scatter spilled material with high pressure water streams.</li> <li>• Move containers from fire area if you can do it without risk.</li> <li>• Dike fire-control water for later disposal.</li> </ul> <p><b>Fire Involving Tanks</b></p> <ul style="list-style-type: none"> <li>• Cool containers with flooding quantities of water until well after fire is out.</li> <li>• Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.</li> <li>• ALWAYS stay away from tanks engulfed in fire.</li> </ul>   | <p><b>POTENTIAL HAZARDS</b></p> <p><b>FIRE OR EXPLOSION</b></p> <ul style="list-style-type: none"> <li>• Some may burn but none ignite readily.</li> <li>• Containers may explode when heated.</li> <li>• Some may be transported hot.</li> </ul> <p><b>HEALTH</b></p> <ul style="list-style-type: none"> <li>• Inhalation of material may be harmful.</li> <li>• Contact may cause burns to skin and eyes.</li> <li>• Inhalation of Asbestos dust may have a damaging effect on the lungs.</li> <li>• Fire may produce irritating, corrosive and/or toxic gases.</li> <li>• Some liquids produce vapors that may cause dizziness or suffocation.</li> <li>• Runoff from fire control may cause pollution.</li> </ul> <p><b>PUBLIC SAFETY</b></p> <ul style="list-style-type: none"> <li>• <b>CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.</b></li> <li>• As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.</li> <li>• Keep unauthorized personnel away.</li> <li>• Stay upwind.</li> </ul> <p><b>PROTECTIVE CLOTHING</b></p> <ul style="list-style-type: none"> <li>• Wear positive pressure self-contained breathing apparatus (SCBA).</li> <li>• Structural firefighters' protective clothing will only provide limited protection.</li> </ul> <p><b>EVACUATION</b></p> <p><b>Spill</b></p> <ul style="list-style-type: none"> <li>• See Table 1 - Initial Isolation and Protective Action Distances for highlighted materials. For non-highlighted materials, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".</li> </ul> <p><b>Fire</b></p> <ul style="list-style-type: none"> <li>• If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.</li> </ul> | <p><b>EMERGENCY RESPONSE</b></p> <p><b>FIRE</b></p> <p><b>Small Fire</b></p> <ul style="list-style-type: none"> <li>• Dry chemical, CO<sub>2</sub>, water spray or regular foam.</li> </ul> <p><b>Large Fire</b></p> <ul style="list-style-type: none"> <li>• Water spray, fog or regular foam.</li> <li>• Do not scatter spilled material with high pressure water streams.</li> <li>• Move containers from fire area if you can do it without risk.</li> <li>• Dike fire-control water for later disposal.</li> </ul> <p><b>Fire Involving Tanks</b></p> <ul style="list-style-type: none"> <li>• Cool containers with flooding quantities of water until well after fire is out.</li> <li>• Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.</li> <li>• ALWAYS stay away from tanks engulfed in fire.</li> </ul>   | <p><b>POTENTIAL HAZARDS</b></p> <p><b>FIRE OR EXPLOSION</b></p> <ul style="list-style-type: none"> <li>• Some may burn but none ignite readily.</li> <li>• Containers may explode when heated.</li> <li>• Some may be transported hot.</li> </ul> <p><b>HEALTH</b></p> <ul style="list-style-type: none"> <li>• Inhalation of material may be harmful.</li> <li>• Contact may cause burns to skin and eyes.</li> <li>• Inhalation of Asbestos dust may have a damaging effect on the lungs.</li> <li>• Fire may produce irritating, corrosive and/or toxic gases.</li> <li>• Some liquids produce vapors that may cause dizziness or suffocation.</li> <li>• Runoff from fire control may cause pollution.</li> </ul> <p><b>PUBLIC SAFETY</b></p> <ul style="list-style-type: none"> <li>• <b>CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.</b></li> <li>• As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.</li> <li>• Keep unauthorized personnel away.</li> <li>• Stay upwind.</li> </ul> <p><b>PROTECTIVE CLOTHING</b></p> <ul style="list-style-type: none"> <li>• Wear positive pressure self-contained breathing apparatus (SCBA).</li> <li>• Structural firefighters' protective clothing will only provide limited protection.</li> </ul> <p><b>EVACUATION</b></p> <p><b>Spill</b></p> <ul style="list-style-type: none"> <li>• See Table 1 - Initial Isolation and Protective Action Distances for highlighted materials. For non-highlighted materials, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".</li> </ul> <p><b>Fire</b></p> <ul style="list-style-type: none"> <li>• If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.</li> </ul> |
| <p><b>SPILL OR LEAK</b></p> <ul style="list-style-type: none"> <li>• Do not touch or walk through spilled material.</li> <li>• Stop leak if you can do it without risk.</li> <li>• Prevent dust cloud.</li> <li>• Avoid inhalation of asbestos dust.</li> </ul> <p><b>Small Dry Spill</b></p> <ul style="list-style-type: none"> <li>• With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.</li> </ul> <p><b>Small Spill</b></p> <ul style="list-style-type: none"> <li>• Take up with sand or other non-combustible absorbent material and place into containers for later disposal.</li> </ul> <p><b>Large Spill</b></p> <ul style="list-style-type: none"> <li>• Dike far ahead of liquid spill for later disposal.</li> <li>• Cover powder spill with plastic sheet or tarp to minimize spreading.</li> <li>• Prevent entry into waterways, sewers, basements or confined areas.</li> </ul> | <p><b>FIRST AID</b></p> <ul style="list-style-type: none"> <li>• Move victim to fresh air.</li> <li>• Call 911 or emergency medical service.</li> <li>• Give artificial respiration if victim is not breathing.</li> <li>• Administer oxygen if breathing is difficult.</li> <li>• Remove and isolate contaminated clothing and shoes.</li> <li>• In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.</li> <li>• Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</li> </ul>  | <p><b>SPILL OR LEAK</b></p> <ul style="list-style-type: none"> <li>• Do not touch or walk through spilled material.</li> <li>• Stop leak if you can do it without risk.</li> <li>• Prevent dust cloud.</li> <li>• Avoid inhalation of asbestos dust.</li> </ul> <p><b>Small Dry Spill</b></p> <ul style="list-style-type: none"> <li>• With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.</li> </ul> <p><b>Small Spill</b></p> <ul style="list-style-type: none"> <li>• Take up with sand or other non-combustible absorbent material and place into containers for later disposal.</li> </ul> <p><b>Large Spill</b></p> <ul style="list-style-type: none"> <li>• Dike far ahead of liquid spill for later disposal.</li> <li>• Cover powder spill with plastic sheet or tarp to minimize spreading.</li> <li>• Prevent entry into waterways, sewers, basements or confined areas.</li> </ul> | <p><b>FIRST AID</b></p> <ul style="list-style-type: none"> <li>• Move victim to fresh air.</li> <li>• Call 911 or emergency medical service.</li> <li>• Give artificial respiration if victim is not breathing.</li> <li>• Administer oxygen if breathing is difficult.</li> <li>• Remove and isolate contaminated clothing and shoes.</li> <li>• In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.</li> <li>• Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</li> </ul>  |
| <p><b>ERG2012</b></p>   | <p><b>ERG2012</b></p>  | <p><b>ERG2012</b></p>   | <p><b>ERG2012</b></p>  |

| <b>RCRC Locations</b> |               |                                    |               |              |            |
|-----------------------|---------------|------------------------------------|---------------|--------------|------------|
| <b>RCRC CODE</b>      | <b>Parent</b> | <b>Address</b>                     | <b>City</b>   | <b>State</b> | <b>Zip</b> |
| 00708                 | HPD           | 2511 Lovi Rd B/L 3/3A              | FREEDOM       | PA           | 15042      |
| 01183                 | HPD           | 20501 PENNSYLVANIA ROAD STE 140    | BROWNSTOWN    | MI           | 48192      |
| 01326                 | HPD           | 9040 BURROUGH DOVER LANE           | PENNSAUKEN    | NJ           | 08110      |
| 01615                 | AER           | 144 MAKAAALA ST                    | HILO          | HI           | 96720      |
| 01728                 | AER           | 1123 Buffalo Run                   | Missouri City | TX           | 77489      |
| 01729                 | AER           | 5915 CORRIDOR PARKWAY              | SCHERTZ       | TX           | 78154      |
| 02276                 | AER           | 4300 Round Lake Rd. W. Unit 200    | ARDEN HILLS   | MN           | 55112      |
| 02454                 | AER           | 1605 SURVEYOR BLVD.                | CARROLLTON    | TX           | 75006      |
| 03001                 | AER           | 8333 WASHINGTON PL NE Suite E      | ALBUQUERQUE   | NM           | 87113      |
| 03199                 | AER           | 7103 E. 47TH AVE. Dr.              | DENVER        | CO           | 80216      |
| 03956                 | FMP           | 300 Calais Dr STE #1               | ANCHORAGE     | AK           | 99503      |
| 04861                 | AER           | 5503 F ST                          | OMAHA         | NE           | 68117      |
| 05399                 | FJ            | 1002 South 56th Ave                | PHOENIX       | AZ           | 85043      |
| 05495                 | AER           | 4161 DIXON AVE                     | DES MONIES    | IA           | 50313      |
| 05514                 | HPD           | 3645 DEVELOPERS RD.                | INDIANAPOLIS  | IN           | 46227      |
| 06201                 | FJ            | 1040 S Rockefeller                 | Ontario       | CA           | 91761      |
| 06583                 | AER           | 600 South Theresa Ave.             | ST LOUIS      | MO           | 63103      |
| 06586                 | FJ            | 11515 Granite St                   | CHARLOTTE     | NC           | 28273      |
| 06615                 | HPD           | 8242 SANDY COURT                   | JESSUP        | MD           | 20794      |
| 06952                 | FJ            | 7145 INDUSTRIAL                    | EL PASO       | TX           | 79915      |
| 06953                 | FJ            | 550 Gills Drive                    | ORLANDO       | FL           | 32824      |
| 06954                 | FJ            | 5286 Georgia Hwy 85, Suite 200     | FOREST PARK   | GA           | 30297      |
| 06955                 | FJ            | 545 Ford Avenue                    | JACKSON       | MS           | 39209      |
| 06959                 | FJ            | 6200 SW 29th Ste A                 | OKLAHOMA CITY | OK           | 73179      |
| 07089                 | FJ            | 4304 Eubank Road                   | RICHMOND      | VA           | 23231      |
| 07748                 | AER           | 1049 KIKOWAENA PLACE               | HONOLULU      | HI           | 96819      |
| 07953                 | AER           | 231 PAPA ST.                       | KAHULUI       | HI           | 96732      |
| 08263                 | AER           | 11 Chapin Road, Unit A             | PINE BROOK    | NJ           | 07058      |
| 08453                 | AER           | 18637 72nd Ave S                   | KENT          | WA           | 98032      |
| 08454                 | AER           | 5220 N. E. 152ND PLACE             | PORTLAND      | OR           | 97230      |
| 08587                 | AER           | 2999 MILLER STREET                 | SAN LEANDRO   | CA           | 94577      |
| 08731                 | AER           | 8250 NE Underground Dr. Pillar 153 | KANSAS CITY   | MO           | 64161      |
| 08858                 | AER           | 2233 S. 1800 WEST                  | WEST VALLEY   | UT           | 84119      |
| 09001                 | AER           | 3311 CORPORATE DR                  | JOLIET        | IL           | 60431      |
| 09121                 | HPD           | 444 WHITNEY ST                     | NORTHBOROUGH  | MA           | 01532      |
| 09252                 | HPD           | 1901 LEMOYNE AVE.                  | SYRACUSE      | NY           | 13208      |