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January 10, 2018

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

**SUBJECT:** **Safety Recall 18S02 – DO NOT DRIVE VEHICLES**  
 Certain 2006 Model Year Ranger Vehicles  
 Driver and Passenger Airbag Inflator Replacement Higher Risk Vehicles

**REF :** **Safety Recall 17S42 – Supplement #1**  
 Certain 2004-2006 Model Year Ranger Vehicles  
 Driver and Passenger Airbag Inflator Replacement

**Safety Recall 16S03**  
 All 2004-2006 Model Year Ranger Vehicles  
 Driver Airbag Inflator Replacement

**Safety Recall 15S22**  
 Certain 2004-2006 Model Year Ford Ranger Vehicles  
 Passenger Airbag Inflator Replacement

**Customer Satisfaction Program 14B04**  
 Certain 2005-2006 Ford GT, 2005-2008 Mustang and 2004-2005 Ranger Vehicles  
 Operated in Florida, Hawaii, Puerto Rico, or the U.S. Virgin Islands  
 Airbag Inflator Replacement

**AFFECTED VEHICLES**

Vehicle	Model Year	Assembly Plant	Build Dates
Ranger	2006	Twin Cities	August 10, 2005 through December 15, 2005

Affected vehicles are identified in OASIS and FSA VIN Lists.

**THE VEHICLES IN THIS PROGRAM ARE NOT TO BE DRIVEN UNTIL THIS REPAIR HAS BEEN PERFORMED**

**Within the overall population of vehicles affected by the Takata inflator issue, a subset of approximately 3000 vehicles were built with a particular batch of driver airbag inflators shown to have a significantly higher risk of overaggressive combustion which may result in death or serious injury. Two inflators built on the same day as the driver side airbag inflator in this population of vehicles have ruptured causing fatal injuries. This subset population of vehicles were previously included in safety recall 17S42.**

**REASON FOR THIS SAFETY RECALL**

Takata has determined that the propellant wafers in some airbag inflators may experience an alteration over time, which could potentially lead to an over-aggressive combustion in the event of a crash that requires airbag deployment. This potential condition could create excessive internal pressure when the airbag is deployed, which could result in the body of the inflator rupturing upon deployment increasing the risk of injury to occupants.

## **SERVICE ACTION**

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

Customers are being advised not to drive their vehicles until this repair has been completed. To assist vehicle owners to have this repair completed, dealers are to offer customers the following services:

- Towing the owners vehicle to the dealership for repairs
- Re-delivery of the owners vehicle after repairs have been completed
- Remote repairs at the vehicle owners location

Refer to the **Vehicle Special Handling** section for further details.

**NOTE:** This is a final / permanent repair. Even if a vehicle has been previously serviced under Safety Recall 14B04, 15S22 and/or 16S03, the vehicle must still have this repair performed.

## **OWNER NOTIFICATION AND MAILING SCHEDULE**

Ford is placing outbound calls to vehicle owners of record to help schedule service appointments to have repairs completed. These calls are expected to begin January 12, 2018.

Owner letters are expected to be mailed the week of January 15, 2018. Dealers should repair any affected vehicles that arrive at their dealerships, 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.**

## **ATTACHMENTS**

Attachment I: Administrative Information  
Attachment II: Labor Allowances and Parts Ordering Information  
Attachment III: Technical Information  
Attachment IV: Regional Core Recovery Center Airbag Inflator Return Process  
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 18S02**  
Certain 2006 Model Year Ranger Vehicles  
Driver and Passenger Airbag Inflator Replacement Higher Risk Vehicles

**OASIS ACTIVATION**

OASIS will be activated on January 10, 2018.

**FSA VIN LISTS ACTIVATION**

FSA VIN Lists will be available through <https://web.fsavinlists.dealerconnection.com> on January 10, 2018. Owner names and addresses will be available on January 10, 2018.

**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 contact dealers to have their vehicle towed to the dealer for repair. At the dealerships and customers preference, remote repairs can be performed in lieu of having the vehicle towed to the dealership.
- Dealers are directed to use their FSA VIN List to identify and immediately contact any of the affected customers to schedule repairs.
- 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 repairs of customer vehicles over repairs of 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.

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

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

- Submit an Approval Request to the SSSC Web Contact Site prior to completing the repair.

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**OWNER REFUNDS**

Refunds are not approved for this program.

**RENTAL VEHICLES**

Dealers are pre-approved for up to 2 days for a comparable rental vehicle. Follow Extended Service Plan (ESP) guidelines for dollar amounts. Rentals will only be reimbursed for the day(s) the vehicle is at the dealership for part replacement. Prior approval for more than 2 rental day(s) is required from the SSSC via the SSSC Web Contact Site.

**VEHICLE SPECIAL HANDLING**

Dealers are authorized to claim up to a maximum combined value of \$200 to provide unique services for completing this program. Examples of potential services include:

- Technician travel to vehicle location for remote repair
- Vehicle transportation (towing/flatbed) to dealership
- Vehicle re-delivery to the owners location after repairs have been completed

**CLAIMS PREPARATION AND SUBMISSION**

- Enter claims using One Warranty Solution (OWS).
  - OWS: when entering claims in DMS software, select claim type 31: Field Service Action. The FSA number 18S02 is the sub code.
- Part numbers for both the driver and passenger inflator kits must be entered into the claim to ensure FCS-700 tags are generated for both parts.
- Additional labor and/or parts must be claimed as related damage on a separate repair line from the FSA.
- Old parts (8L5Z-10044A74-A and 4L5Z-63043B13-A) used under 14B04, 15S22 and/or 16S03 must no longer to be installed in vehicles, and can be returned via the FSA parts return process. Please use "CG" as the claim code and note in the shipper field the FSA bulletin number 18S02.

**NOTE:** The serial numbers of the new driver and passenger airbag inflators must be provided to Ford for the claim to be processed. The Technical Information in this bulletin advises technicians to document the serial numbers from the new airbag inflators on the repair order. The driver airbag inflator serial number is 12 characters, and the passenger airbag inflator serial number is 14 characters. Enter the serial numbers of the new airbag inflators 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 one serial number per CODE field.
    - Driver airbag inflator serial number is 12 characters
    - Passenger airbag inflator serial number is 14 characters
  - The serial number must entered without spaces or dashes.

Example:

- 86 17 157 04 59907 – **incorrect**
- 86171570459907 – **CORRECT**

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**CLAIMS PREPARATION AND SUBMISSION (continued)**

- For Vehicle Special Handling, claim up to a maximum of \$200. All Special Handling must be on the same repair line the FSA is claimed. Claim Special Handling under Misc. Expense Code "OTHER."
- For rental vehicle claiming, follow Extended Service Plan (ESP) guidelines for dollar amounts. Enter the total amount of the rental expense under Miscellaneous Expense code RENTAL.

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**LABOR ALLOWANCES**

Description	Labor Operation	Labor Time
Replace Driver and Passenger Airbag Inflator	18S02B	0.7 Hours

Performing the supplemental restraint depower procedure and clearing DTCs was included in previous airbag inflator recalls 14B04, 15S22 and/or 16S03, but is no longer required.

**PARTS REQUIREMENTS / ORDERING INFORMATION**

Part Number	Description	Order Quantity
4L5Z-10043B13-D	Driver Airbag Inflator Kit	1
8L5Z-10044A74-D	Passenger Airbag Inflator Kit	1

The DOR/COR number for this recall is 51114.

**IMPORTANT:** Old parts (8L5Z-10044A74-A and 4L5Z-63043B13-A) used under 14B04, 15S22 and/or 16S03 must no longer be installed in vehicles, and can be returned via the FSA parts return process. Please use "CG" as the claim code and note in the shipper field the FSA bulletin number 18S02.

Between December 18, 2017 and January 5, 2018, a seed stock of driver and passenger airbag inflators were sent to dealers in Alabama, California, Florida, Georgia, Louisiana, Hawaii, Mississippi, South Carolina and Texas. Dealers in the remaining states will receive a seed stock of driver and passenger airbag inflators by the end of January 2018. Refer to safety recall **17S42** for additional details on the seed stock program.

**NOTE:** Driver and passenger airbag inflators may not arrive at the same time.

**If additional parts are required to satisfy customer demand, contact the SSSC via the SSSC Web Contact Site.**

Part ordering is expected to be opened by the end of February 2018. Dealers will be notified via a DOES II communication if circumstances warrant a change in part supply strategy and when open ordering begins.

**Safety Recall 18S02**

Certain 2006 Model Year Ranger Vehicles

Driver and Passenger Airbag Inflator Replacement Higher Risk Vehicles

**PARTS RETENTION AND RETURN**

**NOTE:** All replaced driver and passenger airbag inflators must be returned in the new part box. If the new part box is damaged or lost, contact Miguel Prigadaa at 210-250-5078 or SCTakataRestraints\_International@xpo.com for a replacement box.

**NOTE:** RCRC will only pick-up parts that have a corresponding FCS-700 Tag.

- Part return instructions:
  - Dealers must monitor their PEARS register. A FCS-700 tag will be generated for each driver and passenger airbag inflator. Parts will be picked up by the RCRCs.
  - The RCRC will not pick up parts that are not properly packaged in the new part box.
  - Refer to Attachment IV for specific part return instructions and documentation.
  - Disregard prepaid FedEx shipping instructions that may be included in new part boxes.
- Part return instructions for **dealers outside of the lower 48 United States:**
  - Continue to follow the previous FedEx airbag inflator return process of contacting Miguel Prigadaa at 210-250-5078 or [Miguel.Prigadaa@email.xpo.com](mailto:Miguel.Prigadaa@email.xpo.com).
- Follow the provisions of the Warranty and Policy Manual, Section 1 “WARRANTY PARTS RETENTION AND RETURN POLICIES.”

**IMPORTANT:** If a FCS-700 Tag is not issued, or the PEARS register directs to “Scrap” a part replaced under this safety recall, please submit a General Request to the SSSC Web Contact Site stating that you were directed to scrap a part.

**EXCESS STOCK RETURN**

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

**DEALER PRICE**

For latest prices, refer to DOES II.

## CERTAIN 2006 RANGER VEHICLES — DRIVER AND PASSENGER AIRBAG INFLATOR REPLACEMENT

### OVERVIEW

Takata has determined that the propellant wafers in some airbag inflators may experience an alteration over time, which could potentially lead to an over-aggressive combustion in the event of a crash that requires airbag deployment. This potential condition could create excessive internal pressure when the airbag is deployed, which could result in the body of the inflator rupturing upon deployment increasing the risk of injury to occupants.

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

### 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

### DRIVER AIRBAG INFLATOR REPLACEMENT

**⚠ 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.

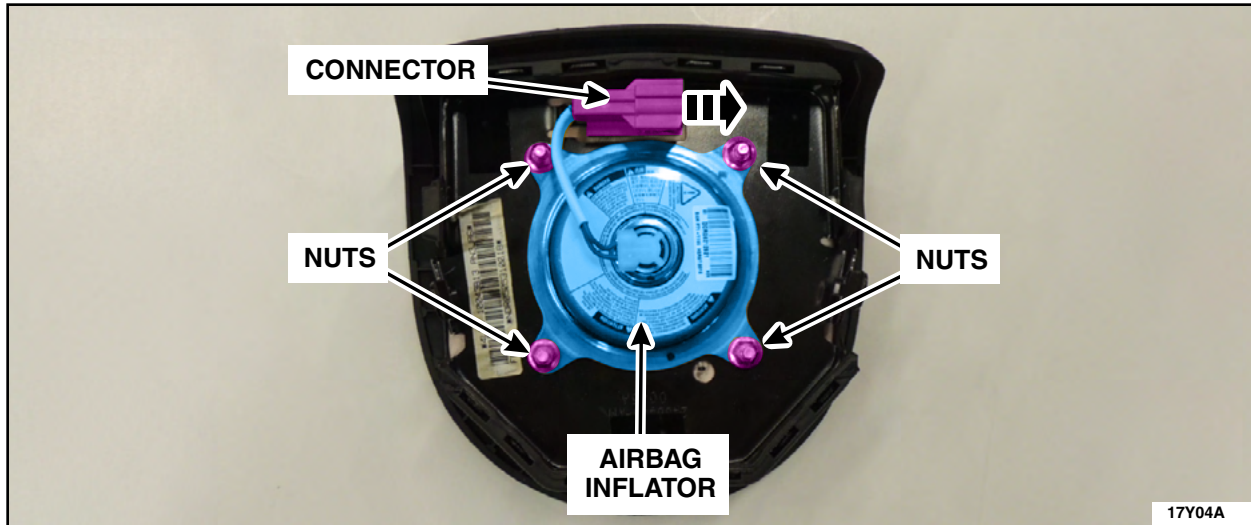
1. Remove the driver airbag from the vehicle. Please follow the WSM procedures in Section 501-20B.
2. Set the airbag face down onto a surface that will not scratch or damage the airbag face.





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

3. Release the retaining tab and slide the driver airbag inflator connector off of the tang. See Figure 1.
4. Remove and discard the four airbag inflator retaining nuts from the driver side airbag. See Figure 1.



**FIGURE 1**

5. **NOTE:** In order to verify the correct airbag inflator is installed, mark the old airbag inflator with a felt tip marker prior to removal.

Remove the airbag inflator and set aside for return shipping. See Figure 1.

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

Record the 12 character serial number of the *new* driver airbag inflator on the repair order. See Figure 2.



**FIGURE 2**



7. **NOTE:** The *new* airbag inflator must be installed in the same orientation as the original part to ensure the inflator module and airbag harness electrical connector T-shape indexes are aligned properly. See Figures 1 and 3.

Install the *new* driver airbag inflator and install four *new* nuts. See Figure 3.

- Tighten to 6.5 Nm (57 lb-in) in the specified sequence.

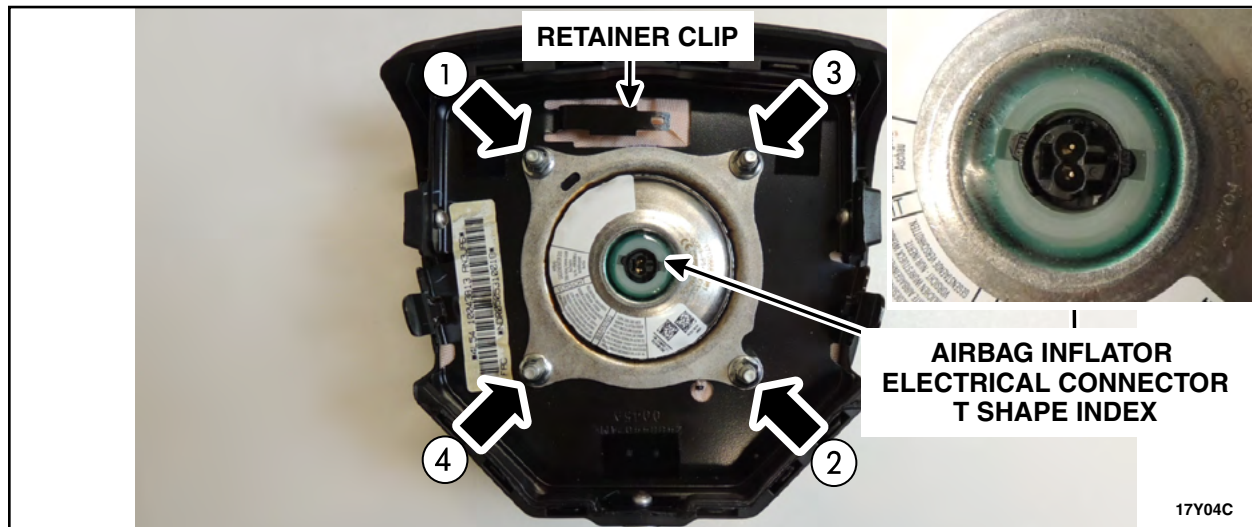


FIGURE 3

8. Align the T-shape index on both the wiring harness electrical connector and the airbag inflator, connect the *new* airbag wiring harness to the inflator module and fully seat the orange tab. See Figure 4.
9. Ensure the connection between the wiring harness electrical connector and the airbag inflator by pulling gently on the wiring harness to ensure it is properly seated. See Figure 4.
10. Slide the airbag inflator connector onto the tang. See Figure 4.

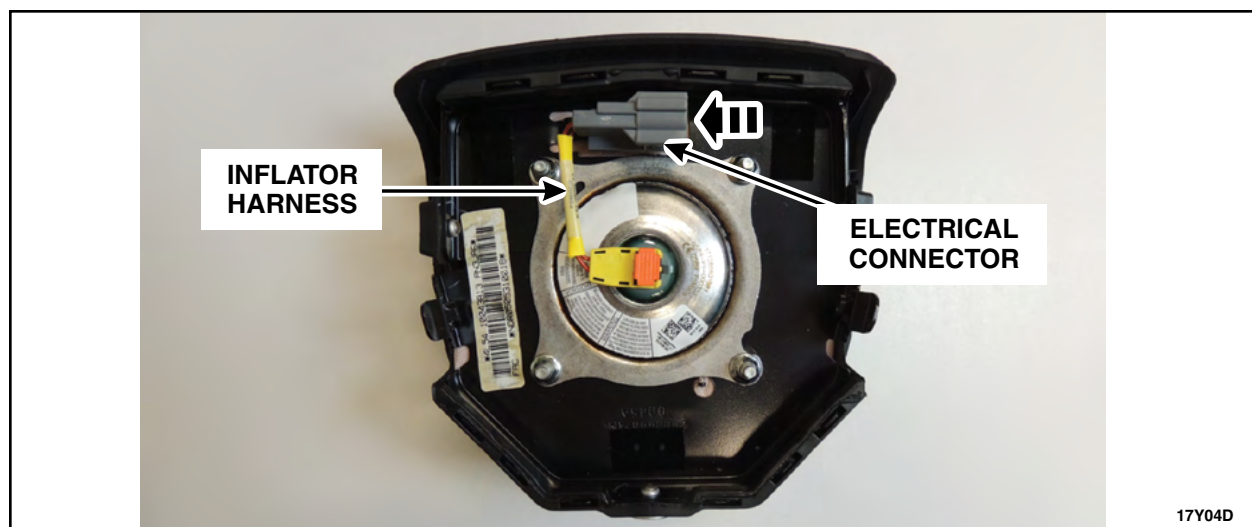


FIGURE 4



11. Re-install the driver airbag. Please follow the WSM procedures in Section 501-20B.
12. Confirm that the airbag readiness light still indicates no SRS faults are present.
13. Package the replaced inflator in the *new* part box and provide to the appropriate dealership personnel for part returns.

## PASSENGER AIRBAG INFLATOR REPLACEMENT

**⚠ 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.

**NOTE:** Care must be taken as to not pierce the inflator harness wiring.

3. Cut and peel back wiring sleeve to expose inflator wiring. See Figure 5.

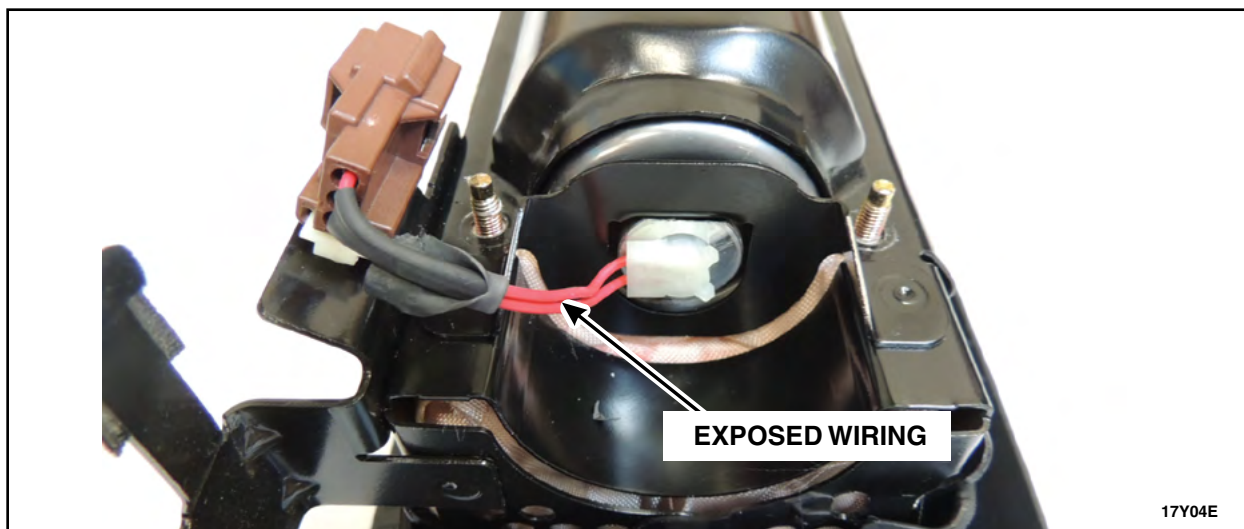
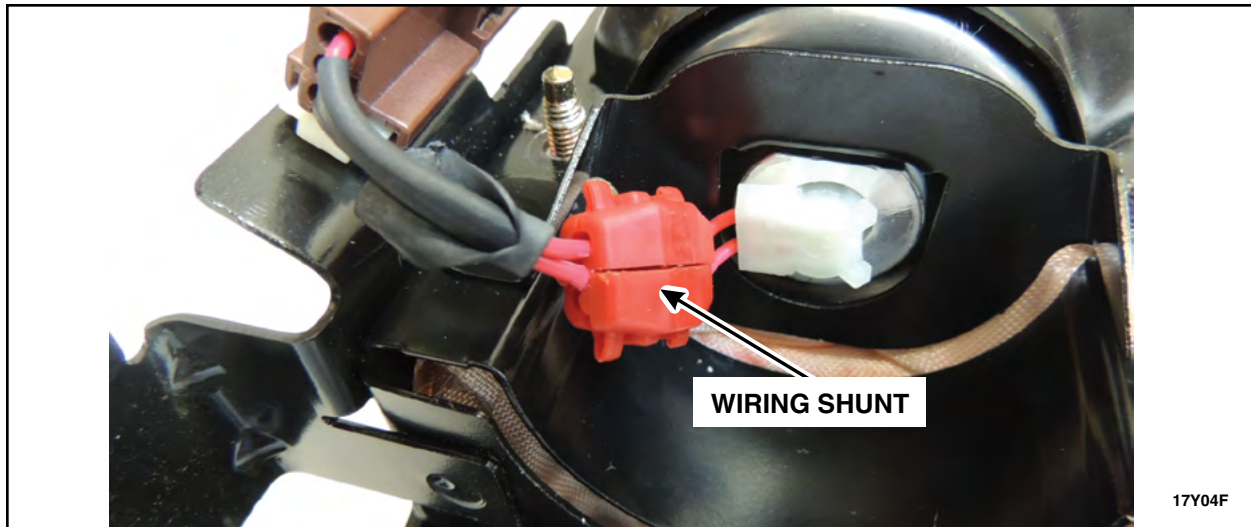


FIGURE 5

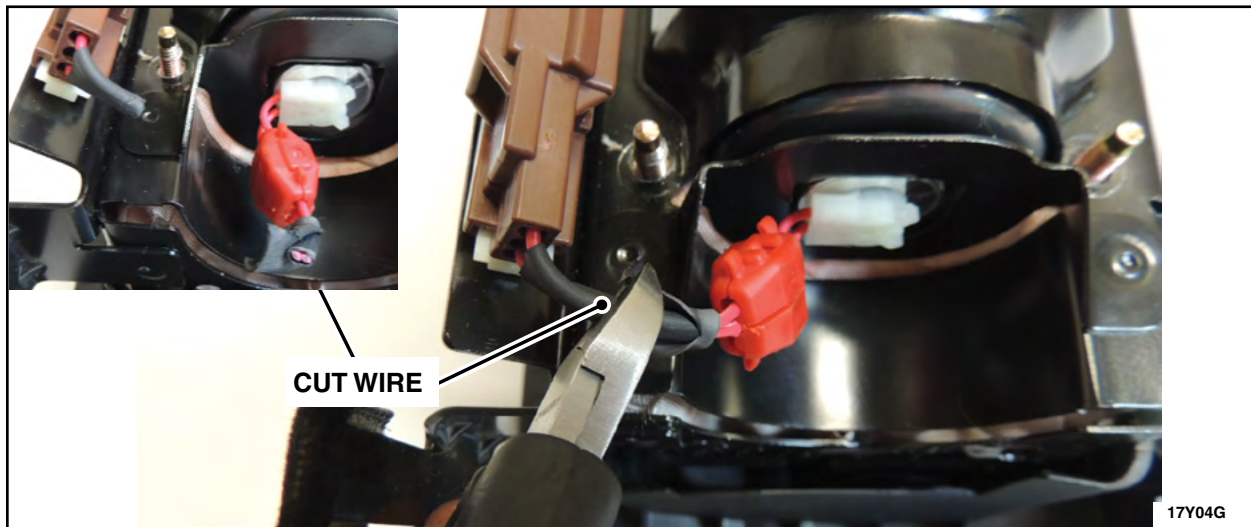


4. Install a wiring shunt between the inflator wiring connector and the inflator body, this will cause the inflator to become inert. See Figure 6.



**FIGURE 6**

5. Cut the inflator wiring between connector and the shunt. See Figure 7.



**FIGURE 7**



6. Remove and discard the four airbag inflator retaining nuts and the bracket. See Figure 8.

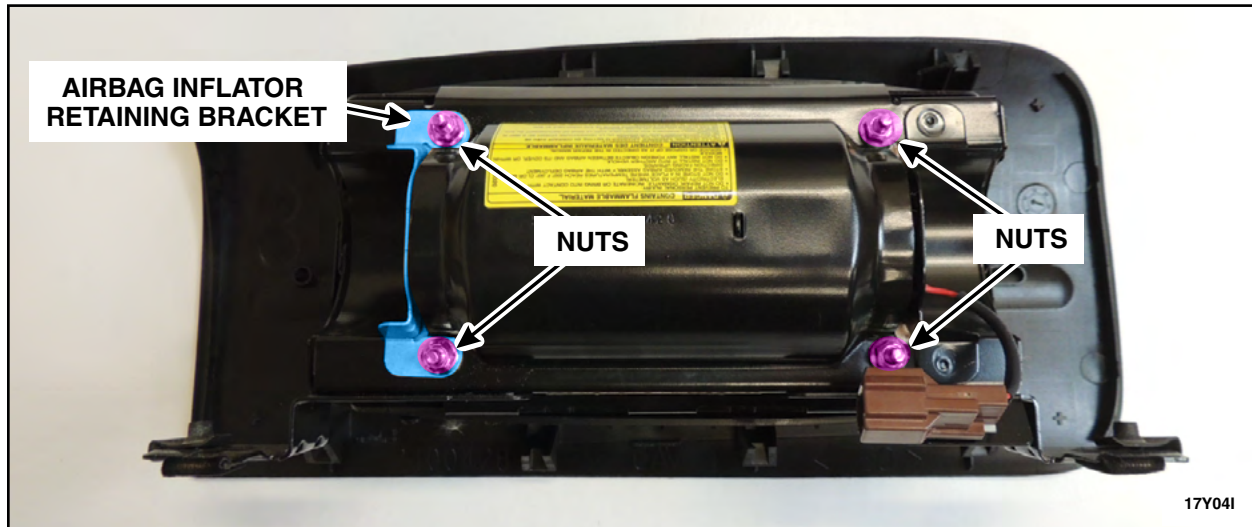


FIGURE 8

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

7. With an assistant holding the airbag assembly, remove the inflator from the airbag assembly by pushing outward on the inflator. See Figure 9.

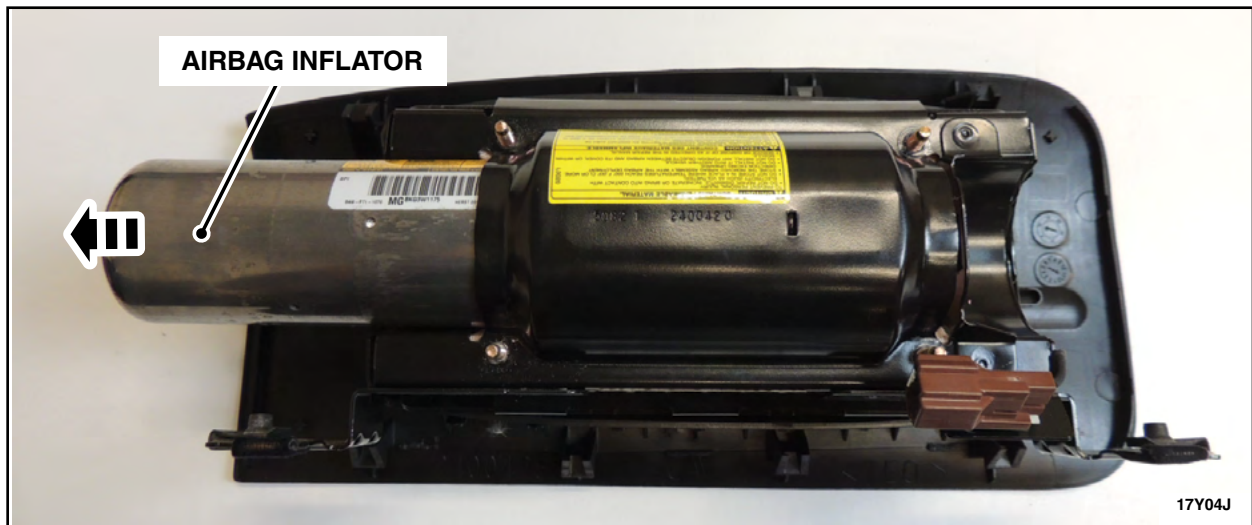


FIGURE 9



8. Remove the airbag inflator harness electrical connector. See Figure 10.

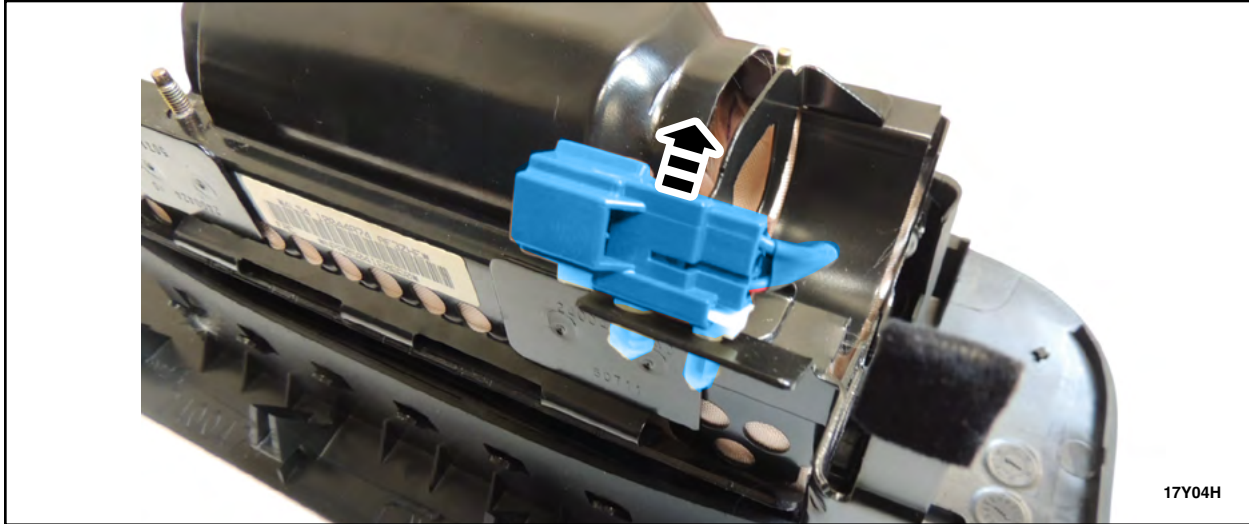


FIGURE 10

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

Record the 14 character serial number of the *new* passenger airbag inflator on the repair order. See Figure 11.



FIGURE 11



10. **NOTE:** Both *new* inflator connector end caps must be installed with the tab features aligned and fully seated. Both end caps are specific to either end of the Inflator.

**NOTE:** The tail end cap does not have an alignment tab.

Align and install both *new* inflator end caps. See Figure 12 and 13.

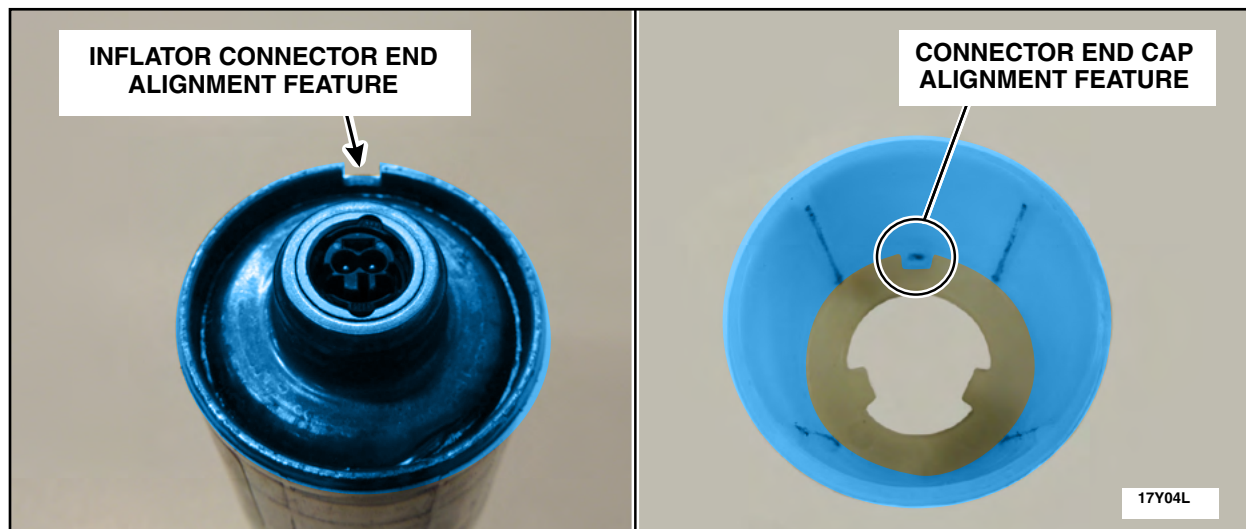


FIGURE 12

11. Install inflator into air bag assembly with connector end facing out, so that the alignment feature is aligned directly facing up. See Figure 13.

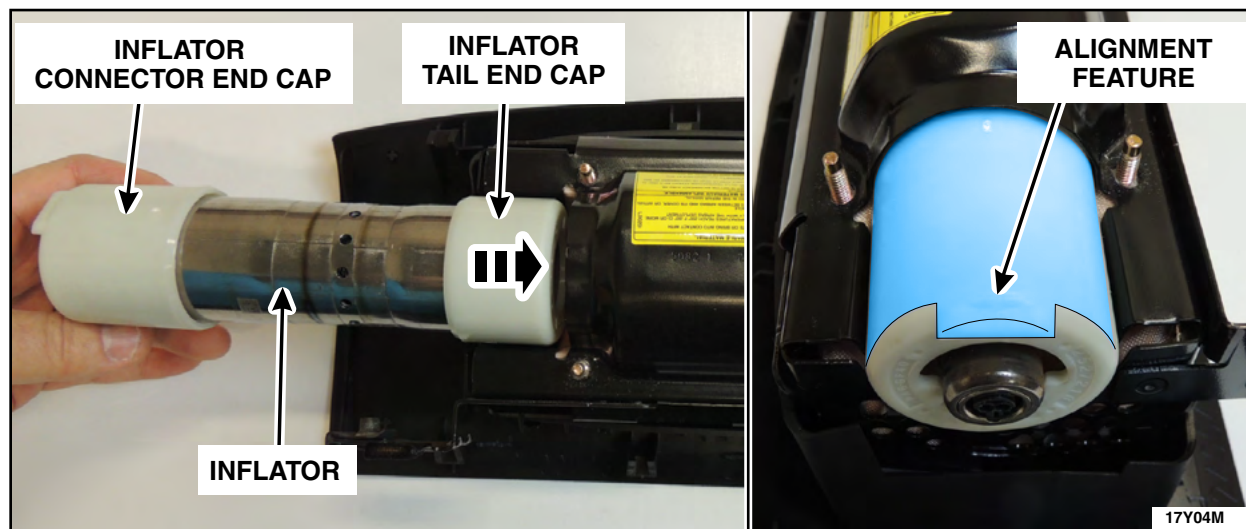


FIGURE 13



12. Align and Install the *new* inflator retaining bracket . See Figure 14.

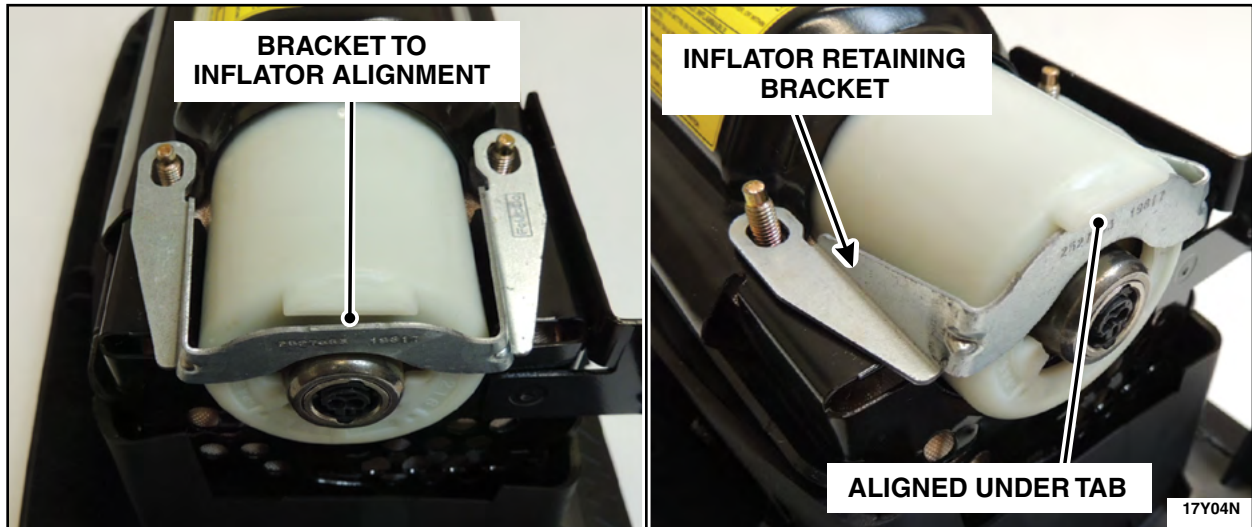


FIGURE 14

13. Install four *new* nuts. Assure pop-up indicator on air bag assembly is present. See Figure 15.

- Tighten to 3.9 Nm (35 lb-in) in the specified sequence.

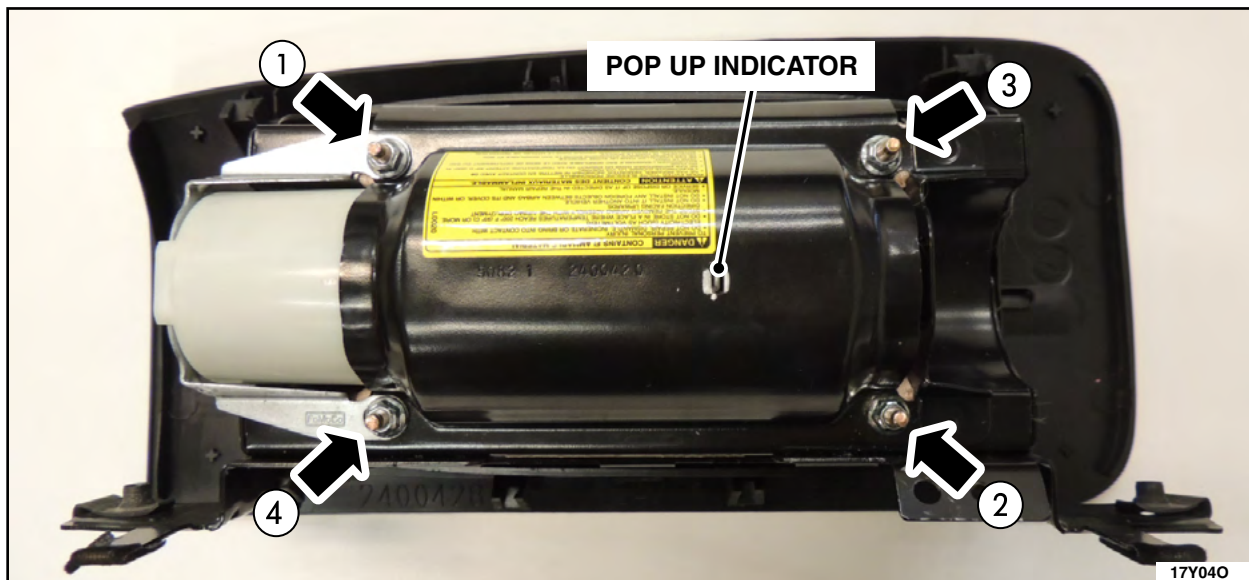
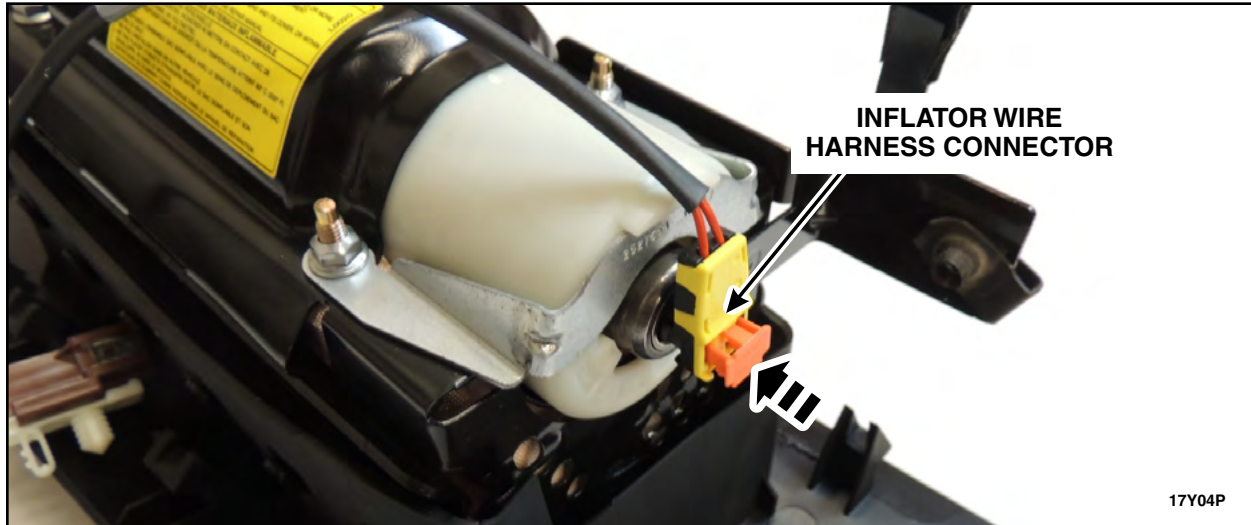


FIGURE 15



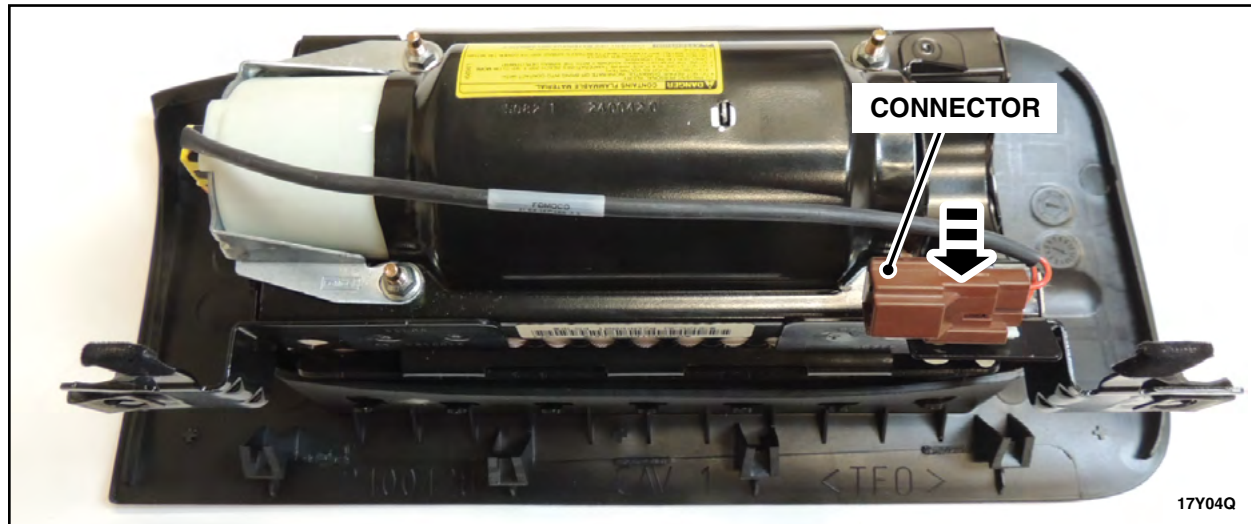


14. Align the T-shape index on both the wiring harness electrical connector and the airbag inflator, connect the *new* airbag wiring harness to the inflator module and fully seat the orange tab. See Figure 16.
15. Ensure the connection between the wiring harness electrical connector and the airbag inflator by pulling gently on the wiring harness to ensure it is properly seated. See Figure 16.



**FIGURE 16**

16. Install inflator harness connector to the air bag assembly bracket. See Figure 17.



**FIGURE 17**

17. Re-install the passenger airbag. Please follow the WSM procedures in Section 501-20B.
18. Confirm that the airbag Readiness light still indicates no SRS faults are present.
19. Package the replaced inflator in the new part box and provide to the appropriate dealership personnel for part returns.



## **REGIONAL CORE RECOVERY CENTER AIRBAG INFLATOR RETURN PROCESS**

### **PART RETURN INSTRUCTIONS AND SHIPPING DOCUMENTATION**

The Regional Core Recover Center (RCRC) will only pick up airbag inflators with a corresponding FCS-700 tag, and the replaced inflator must be packaged in the box from the new inflator. A FCS-700 tag will be generated for each airbag inflator on claims paid on or after January 10, 2018.

**NOTE:** If the new airbag inflator box is damaged or lost, contact Miguel Prigadaa at 210-250-5078 or [SCTakataRestrains\\_International@xpo.com](mailto:SCTakataRestrains_International@xpo.com) for a replacement box.

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, consult the RCRC driver.
  - c. In the box titled Number/Type of Package, enter the number of boxed inflators.
  - d. In the box titled Weight, enter the total shipment weight of all boxed 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> 171 SUBSTANCES (LOW TO MODERATE HAZARD)	ERG2012	<b>GUIDE</b> 171 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>Small Spill</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>POTENTIAL HAZARDS</b></p>
		<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>

## RCRC Locations

RCRC CODE	Address	City	State	Zip
00708	TRI COUNTY COMMERCE PARK, BLDG. 3/3A, 2511 LOVI ROAD	FREEDOM	PA	15042
01183	20501 PENNSYLVANIA ROAD STE 140	BROWNSTOWN Twp	MI	48192
01326	9040 BURROUGH DOVER LANE	PENNSAUKEN	NJ	08110
01728	3700 CLAYMOORE PK. DR., S. 160	HOUSTON	TX	77043
01729	5915 CORRIDOR PARKWAY	SCHERTZ	TX	78154
02276	4300 ROUND LAKE ROAD W. UNIT 200	ARDEN HILLS	MN	55112
02454	1605 SURVEYOR BLVD.	CARROLLTON	TX	75006
03001	8333 WASHINGTON PL NE Suite E	ALBUQUERQUE	NM	87113
03199	7103 E. 47TH AVE.	DENVER	CO	80216
04861	5503 F ST	OMAHA	NE	68117
05399	3421 W. WELDON.	PHOENIX	AZ	85017
05495	4161 DIXON AVE	DES MONIES	IA	50313
05514	3645 DEVELOPERS RD.	INDIANAPOLIS	IN	46227
06201	3737 S. CAPITOL AVE.	WHITTIER	CA	90601
06583	600 SOUTH THERESA AVE.	ST LOUIS	MO	63103
06586	4444 SOUTH BLVD.	CHARLOTTE	NC	28209
06615	8242 SANDY COURT	JESSUP	MD	20794
06952	7145 INDUSTRIAL	EL PASO	TX	79915
06953	550 GILLS DRIVE	ORLANDO	FL	32824
06954	5286 GEORRGIA HWY 85, SUITE 200	FOREST PARK	GA	30297
06955	545 FORD AVE	JACKSON	MS	39209
06959	900 W. MAIN	OKLAHOMA CITY	OK	73106
07089	4304 EUBANK ROAD	RICHMOND	VA	23231
08263	11 CHAPIN RD, UNIT A	PINE BROOK	NJ	07058
08453	18637 72nd AVE S	KENT	WA	98032
08454	5220 N. E. 152ND PLACE	PORTLAND	OR	97230
08587	2999 MILLER STREET	SAN LEANDRO	CA	94577
08731	8250 NE UUNDERGROUND DRIVE PILLAR 153	KANSAS CITY	MO	64161
08858	2333 S. 1800 WEST	WEST VALLEY CITY	UT	84119
09001	3311 CORPORATE DR	JOLIET	IL	60431
09121	444 WHITNEY ST	NORTHBOROUGH	MA	01532
09252	1901 LEMOYNE AVE.	SYRACUSE	NY	13208