

# IMPORTANT UPDATE

**TECHNICAL INSTRUCTIONS  
FOR  
SAFETY RECALL DSC  
FRONT PASSENGER AIRBAG INFLATOR MODULE  
CERTAIN 2002 – 2003 & 1 (one) 2004 MODEL YEAR SC430**

**SSC DLC is no longer valid and has been replaced by SSC DSC**

**Updated 4/15/15**

- The VIN range has been removed; always check TIS to verify vehicle eligibility.

All dealership associates involved in the recall process are required to successfully complete E-Learning course LSC13A. To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to have successfully completed E-Learning course LSC13B, in addition to LSC13A, and currently hold at least one of the following certifications levels:

- MASTER SERVICE TECHNICIANS
- MASTER DIAGNOSTIC SPECIALISTS

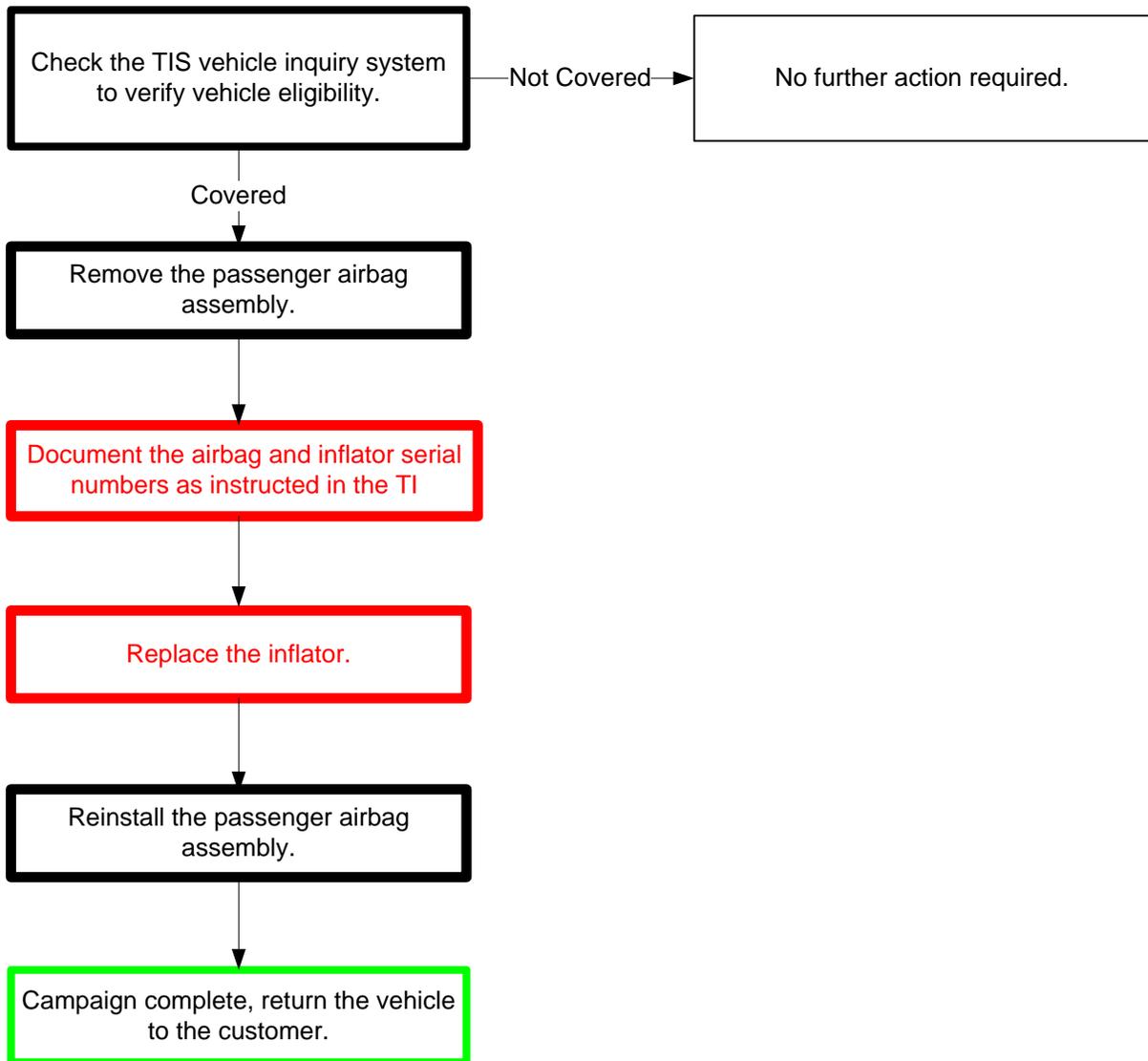
NOTE: To support additional service capacity, Lexus Certified and Senior Service Technicians, with at least 36 months Lexus experience AND L652 course credit, may also perform this repair following successful completion of course LSC13B.

**[Complete DSC Technical Video Supplement](#)**

NOTE: The videos in this document still reflect the inspection process under DLC that has been eliminated. For Airbag Assembly and Inflator Serial Number scanning/recording reference the technical instructions. The videos are currently being edited to reflect the new process and will be posted as soon as they are available.

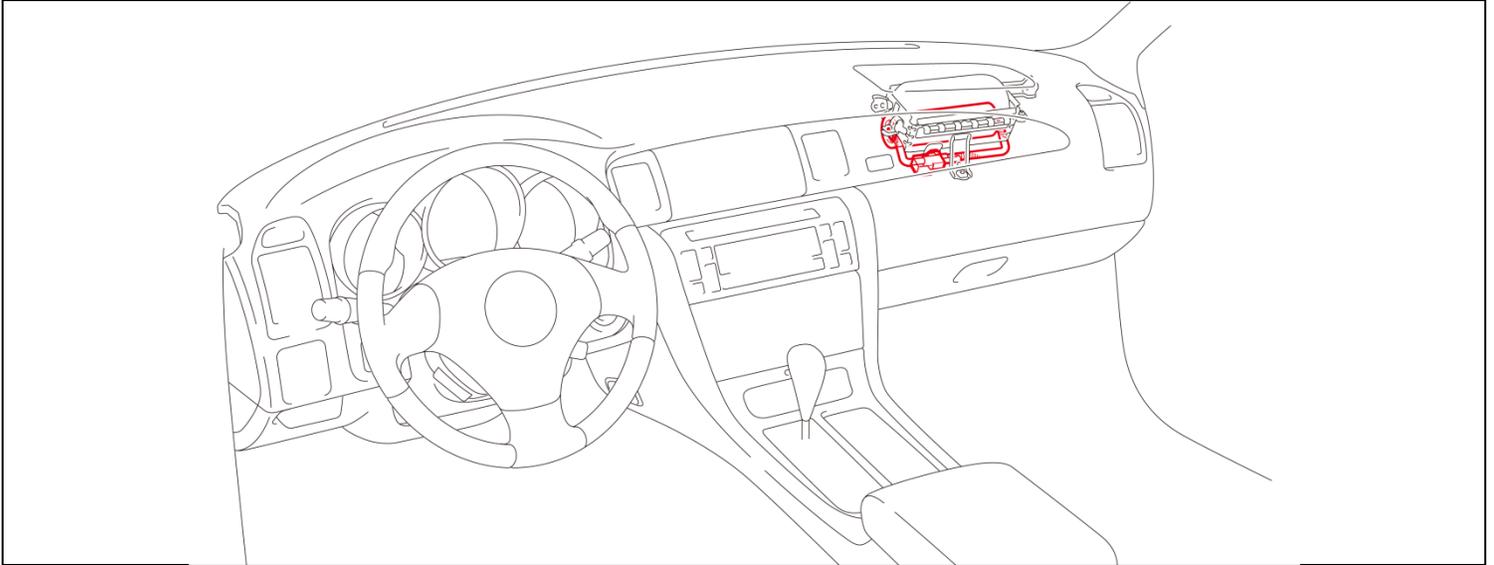
## I. OPERATION FLOW CHART

The flow chart is for reference only. **DO NOT** use it in place of the full technical instructions. Follow **ALL** steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



## II. BACKGROUND

The subject vehicles are equipped with front passenger airbag inflators which could have been assembled with improperly manufactured propellant wafers. Improperly manufactured propellant wafers could cause the inflator to rupture and the front passenger airbag to deploy abnormally in the event of a crash, increasing the risk of injury to the occupant.



### III. IDENTIFICATION OF AFFECTED VEHICLES

#### A. COVERED VIN RANGE

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that the campaign has not already been completed prior to dealer shipment or by another dealer.
- **TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected or were completed by another dealer.**

### IV. PREPARATION

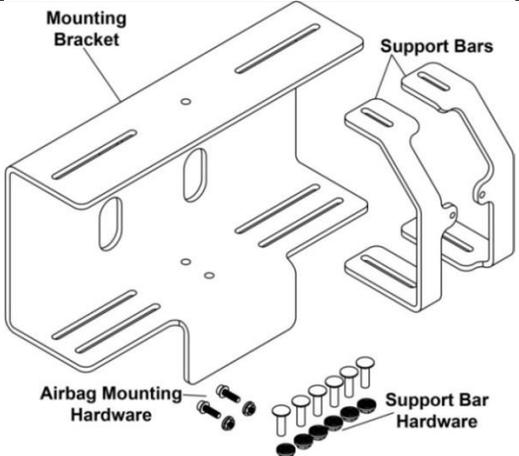
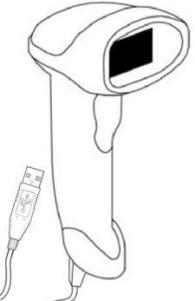
#### A. PARTS

Part Number	Part Description	Quantity
04003-28124	Instrument Panel Airbag Inflator Kit*	1
*The kit above includes the following parts.		
	Inflator	1
	Position Determining Plate	1
	Self Locking Nut	4
	Electro Tap	1

#### B. TOOLS & EQUIPMENT

- Standard hand tools
- Torque wrench
- Molding remover set
- Techstream

**DLC CAMPAIGN TOOLS** – These tools were previously provided to the dealership for campaign DLC and will be used for campaign DSC. These tools are required when performing this repair.

Image	Name	Quantity
	Airbag Mounting Bracket & hardware	1
	Barcode Scanner	1

**NOTE:** These tools **CANNOT** be ordered through the parts or tools system. There is a very limited supply of tools, but if additional tools are needed, contact your area representative.

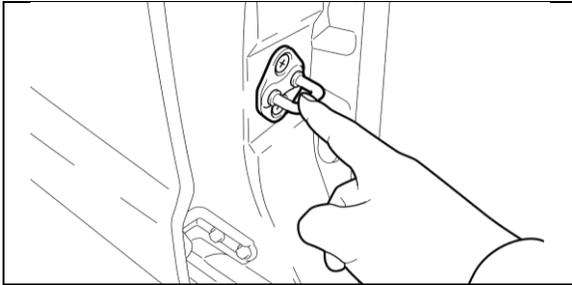
## V. SAFETY PRECAUTIONS



### CRITICAL INFORMATION – READ THOROUGHLY

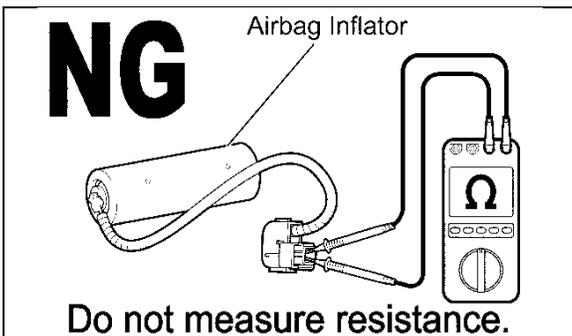


Failure to follow these procedures correctly could cause the SRS to unexpectedly deploy during servicing or the SRS may fail to operate correctly when required after reassembly. Confirm all work is performed as described in these instructions.



#### 1. ELIMINATE STATIC ELECTRICITY

- a) Before starting work and periodically while working on the vehicle, touch a metallic part of the vehicle to discharge static electricity in the body.



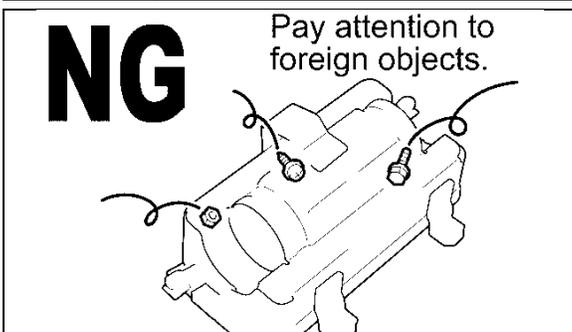
#### 2. DO NOT MEASURE RESISTANCE

- a) **DO NOT** measure resistance of airbag components, this may cause accidental activation.



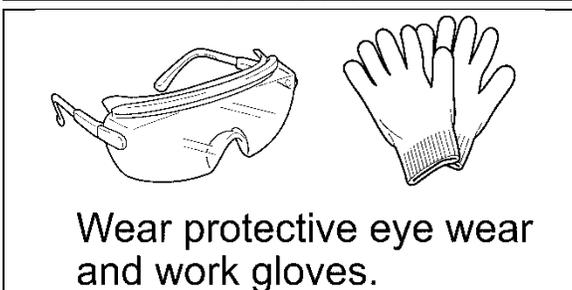
#### 3. HANDLE THE AIRBAG CAREFULLY

- a) If an inflator is dropped, replace it with a **NEW** inflator.



#### 4. DO NOT ALLOW FOREIGN OBJECTS NEAR AIRBAG

- a) Be sure to collect and account for all removed nuts/bolts to prevent them from landing in the airbag assembly.
- b) Any foreign objects in the airbag assembly may cause damage or injury if the airbag is activated.



#### 5. WEAR PROTECTIVE EQUIPMENT

- a) Always wear appropriate protective equipment when working on the SRS.

## VI. WORK AREA PREPARATION

[Video Supplement: Introduction](#)



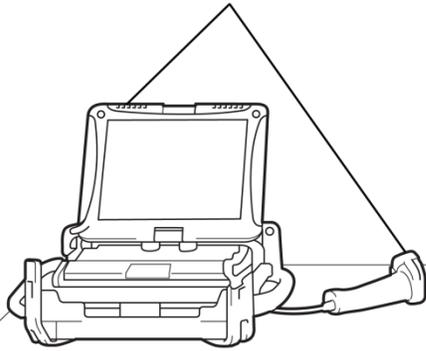
### CRITICAL INFORMATION – READ THOROUGHLY



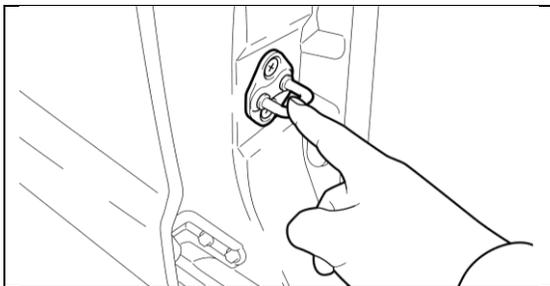
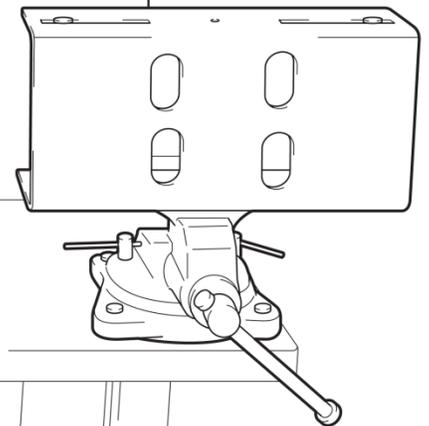
The bracket assembly that was provided at the launch of SSC DLC is a critical added-safety feature that **MUST** be used when replacing the inflator module. Confirm the bracket assembly is installed securely in the vise and confirm the work area being used is appropriate. Before starting work and periodically while working on the vehicle, touch a metallic part of the vehicle to discharge static electricity in the body.

Confirm there are no loose objects or people exposed to the back side of the bracket for safety in the unlikely event of airbag deployment due to improper work procedures (Remember that the inflator **IS NOT** being replaced due to an inadvertent deployment concern).

Techstream and barcode scanner



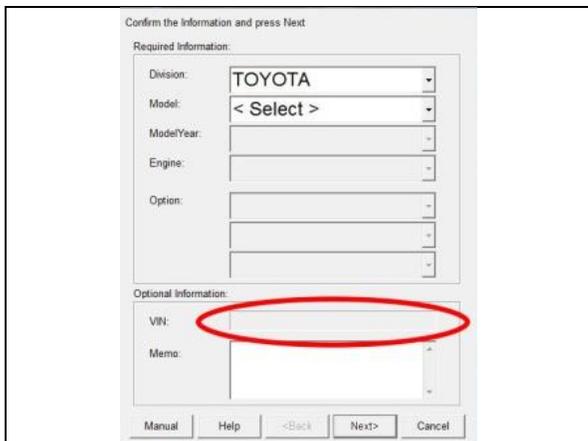
Bracket securely mounted in vise



Before starting work and periodically while working on the vehicle, touch a metallic part of the vehicle to discharge static electricity in the body.

## VII. SRS SYSTEM HEALTH CHECK

### Video Supplement: Inspection



#### 1. PERFORM A HEALTH CHECK

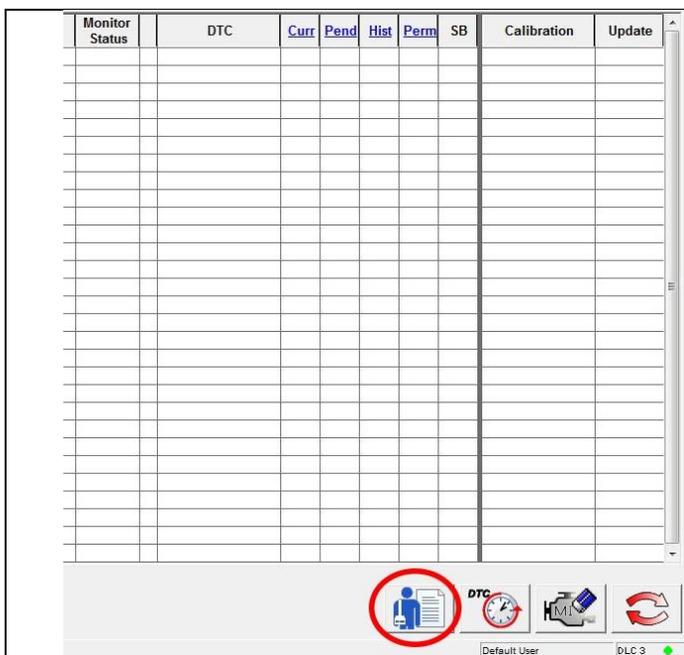
- Confirm the Techstream is connected to the dealership's internet.
- When launching the Techstream software the VIN **MUST** be entered manually.

**NOTE: All letters of the VIN MUST be entered in ALL CAPS, or the VIN will need to be reentered when running the diagnostic report.**

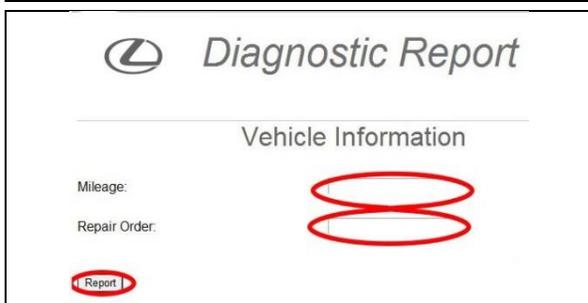
- Perform a health check.

#### 2. RUN A DIAGNOSTIC REPORT

- After the health check has completed, run a diagnostic report by clicking on the link on the health check screen.



**NOTE: If the VIN was not entered in ALL CAPS when Techstream was launched, an error will be displayed and there will be a prompt to reenter the VIN**



- Enter the vehicle mileage and repair order information, then click the 'report' button.



- The VIN **MUST** be entered manually in ALL CAPS when launching the Techstream software, the VIN **WILL NOT** auto-populate due to vehicle age.
- A health check and diagnostic report with VIN **MUST** be performed within the last 36 hours and recorded by TMS. If the diagnostic report is not ran, the healthcheck will not be recognized by TMS.
- The serial number recording application will be disabled and the inspection cannot be completed if a health check and diagnostic report is not performed and recorded by TMS.

## VIII. FRONT PASSENGER AIRBAG ASSEMBLY REMOVAL

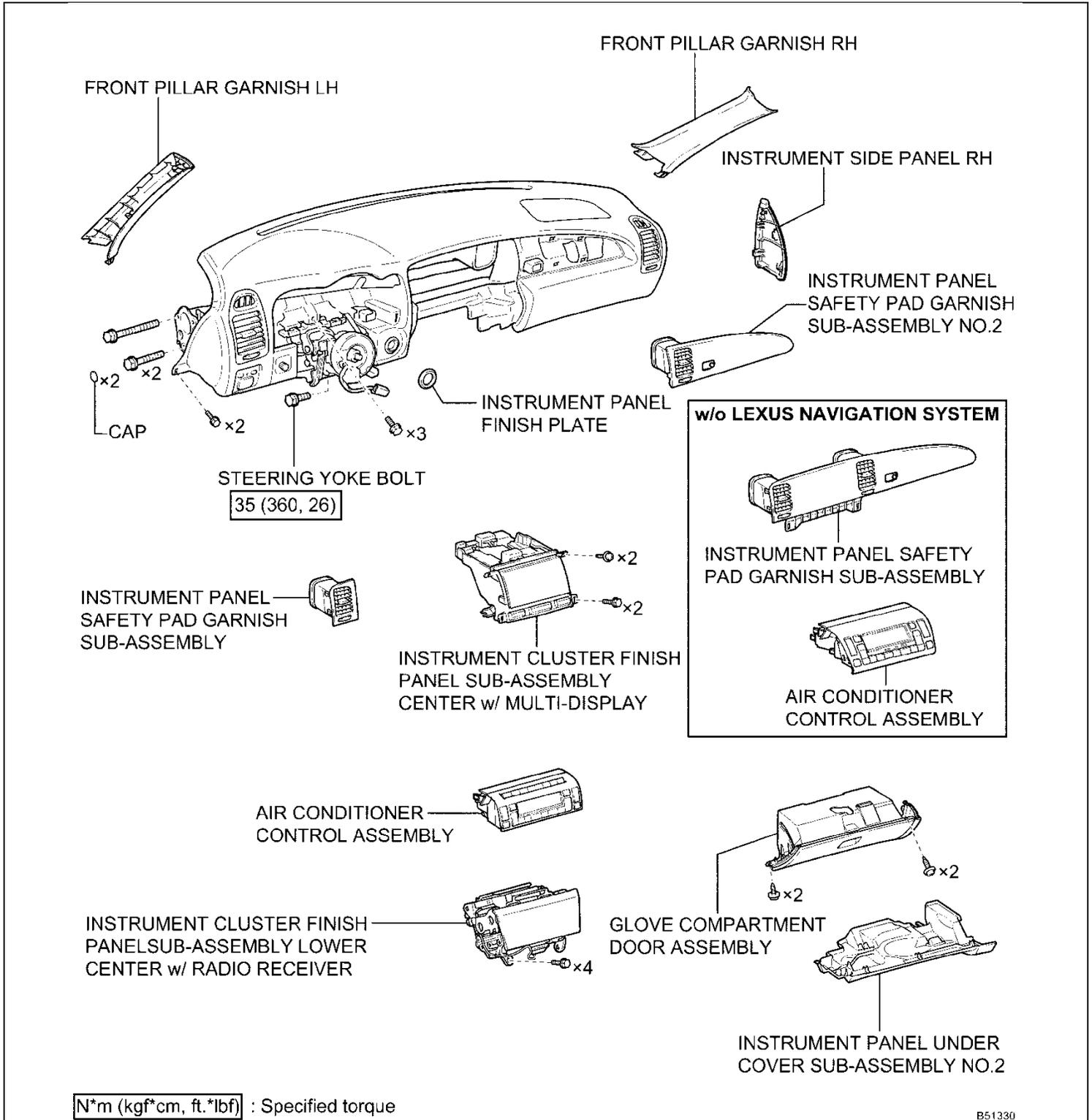
### 1. DISCONNECT THE NEGATIVE BATTERY TERMINAL



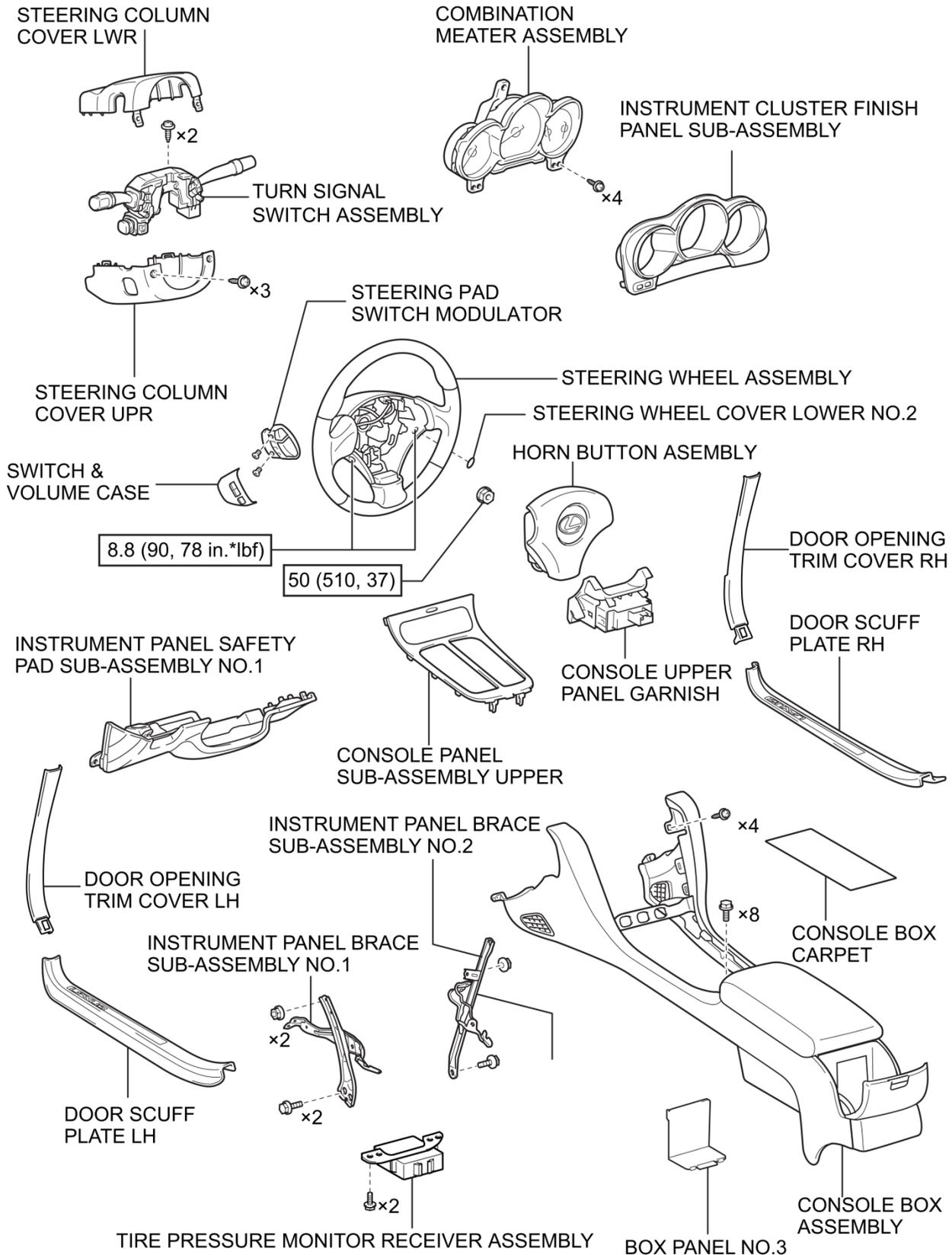
- Wait at least 90 seconds after disconnecting the cable from the negative battery terminal to prevent airbag and seat belt pretensioner deployment.
- Follow all precautions as outlined on TIS before servicing the SRS system.

### 2. REMOVE THE INSTRUMENT PANEL SAFETY PAD SUB-ASSEMBLY

- a) Refer to [TIS](#) for removal instructions.



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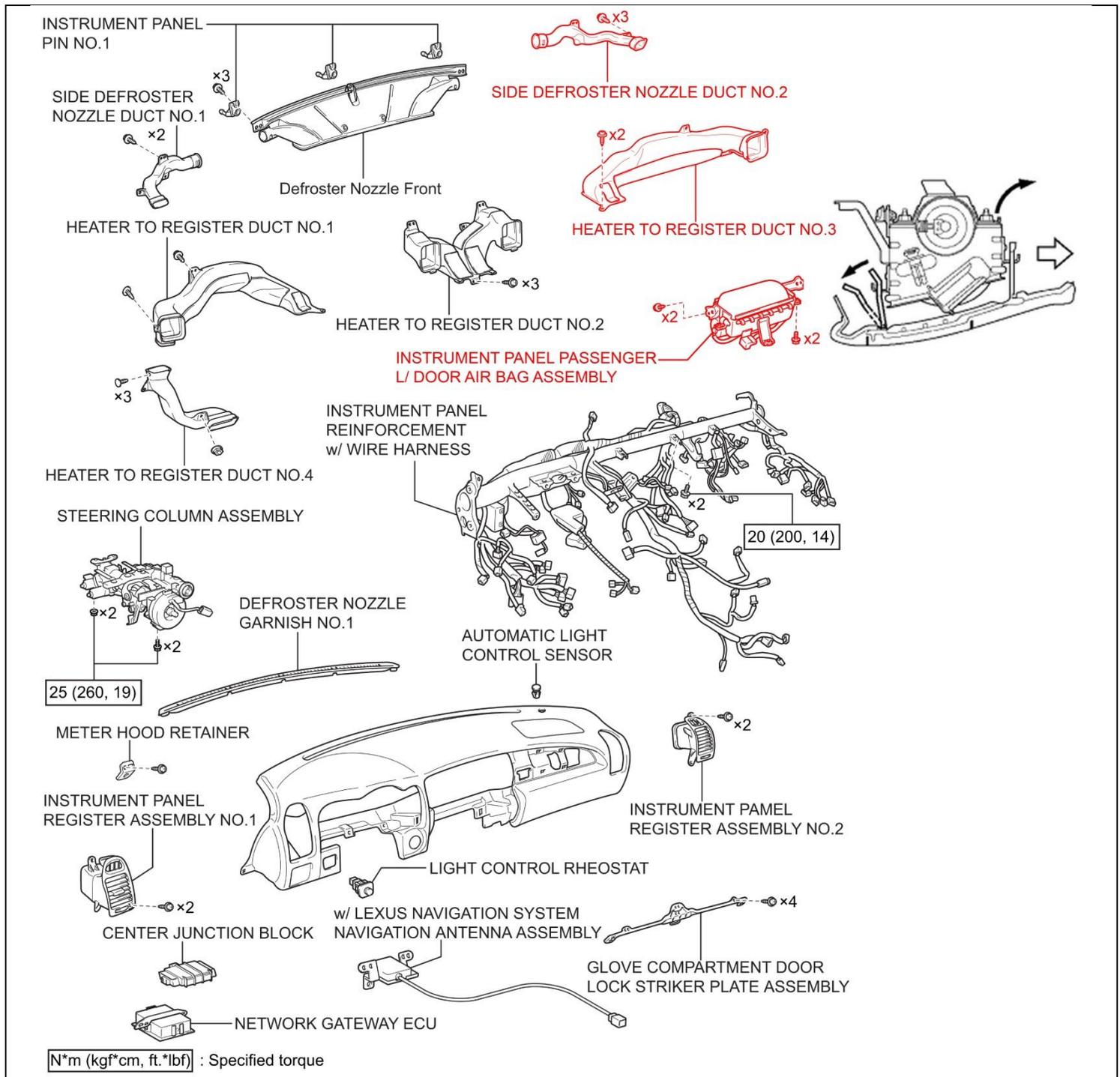
**N·m (kgf·cm,ft·lbf)** :Specified torque

B52001

### 3. REMOVE THE AIRBAG FROM THE INSTRUMENT PANEL

- a) Remove the 3 screws and the side defroster nozzle.
- b) Remove the 2 screws and the heater to register duct.
- c) Remove the 4 bolts, disengage the straps, and then remove the airbag assembly.

**NOTE: Only remove the components highlighted in red; there is NO NEED to remove any other components.**



# IX. AIRBAG ASSEMBLY RECORDING

## 1. LAUNCH THE SERIAL NUMBER RECORDING APPLICATION



- The AIRBAG ASSEMBLY, ORIGINAL INFLATOR, and NEW INFLATOR serial numbers MUST be recorded using the barcode scanner (provided at the launch of SSC DLC).
- The barcode scanner application *MUST* be completed on every vehicle. These numbers *MUST* be included on every warranty claim that is submitted for inflator module replacement or the claim may be subject to debit.
- The technician performing the work *MUST* have valid TIS login credentials and an internet connection to perform the inspection and scanning process.

- Log in to TIS and input the VIN of the vehicle in the Vehicle Inquiry tab.
- Confirm the VIN is applicable and that the campaign has not been completed.
- Click on the link to launch the serial number recording application.

**Vehicle Identification Number Search**  
 Enter a 17 Digit VIN below to search for applicable information:  
 VIN: [1NX] [BR32E] [000000000] [Clear] [Lookup]

**Vehicle Information**

Division: TOYOTA	Model: Corolla	Grade: CE	Model Year: 2003
Drive Type: 2WD	Body Type: 4Dr. Sedan	Engine Family: 4-cylinder - 1ZZ	Transmission:
Date of First Use:	Production Date: 01/18/2002	Plant Code: Z - FREMONT PLANT - NUMMI	
VIN: 1NX -BR32E-000000000	Standard Equipment: <a href="#">Click here to display</a>		
Exterior Color: 03M5, SANDRIFT METALLIC	Interior Color: FA41, FA41	Interior Trim Color: FA, *	
		Interior Fabric: F, *	

Vehicle accessories are not currently available. Try your query again later.

**Service Campaign**

**Campaign Description:** Safety Recall D0F Remedy Notice - 2003-2004 Model Year Corolla, Corolla Matrix, Sequoia, and Tundra Vehicles, 2002-2003 Model Year Vehicles Front Passenger Airbag Inflator Module

**Completion Status:** Not Completed [Check applicability for VIN](#)

- Reenter TIS password in the serial number recording application.

**NOTE: The person logged-in to TIS should be the person performing the repair.**

**SSC DSC**

User ID: SuzukiR Technician Name: Russell Suzuki  
 Dealer Code: Dealer Name:  
 Time: 06/10/2014 02:07 PM PDT Airbag Serial #:  
 Original Inflator Serial #: Replacement Inflator Serial #:

VIN: STD 8T44A 335157291 [2003 Sequoia BEIGE M. H.]

Task	Dealer	User	Time	Status
Airbag # Record				Not Started
Inflator # Record				Not Started
Terms & Conditions				Not Started

**NOTE:**

- A task status screen will populate next and at other intervals during the repair. This screen will indicate if the inflator was replaced. Click 'next' to proceed to the next step. This information will be used for record keeping by TMS.
- If this screen indicates that the campaign has already been completed on this VIN, there is no need to perform the campaign again.

## 2. CONNECT THE BARCODE SCANNER

- Connect the barcode scanner to the USB port on the Techstream.
- The scanner will automatically connect and a beep will be heard when the scanner is ready.

### NOTE:

- The scanner was provided for SSC DLC.
- The barcode scanner works best in low light conditions.
- Always hold the scanner directly in front of and parallel to the barcode label.

## 3. SCAN THE AIRBAG SERIAL NUMBER

- Scan the **AIRBAG ASSEMBLY** serial number 2 times.
  - Confirm the cursor is in the first serial number box then scan the serial.
  - Position the cursor in the second serial number box then scan the serial.
- Click next.

### NOTE:

- If both serial numbers that are entered do not match, confirm and reenter.
- If the serial number barcode will not scan, it can be entered manually.
- If the serial number and barcode are not legible or are not present, check the box in the application indicating the serial number is not legible and contact your area representative.

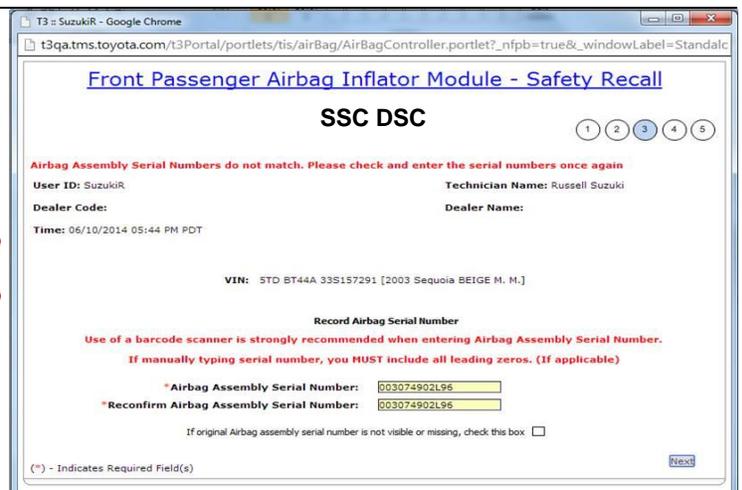
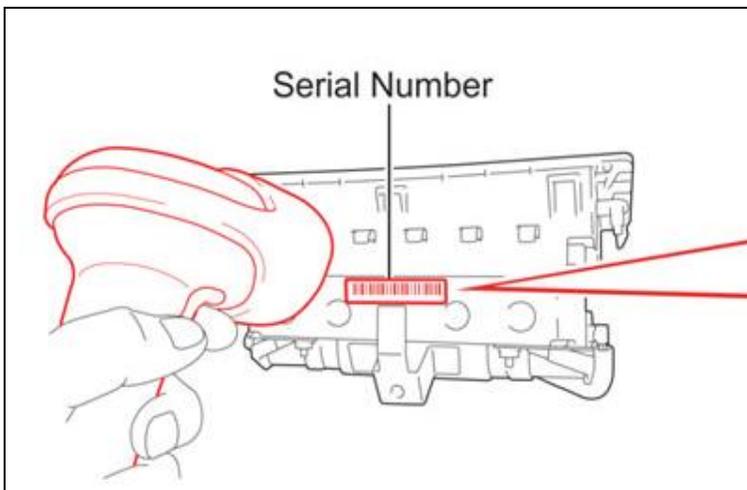
### AIRBAG SERIAL NUMBER IDENTIFICATION

- The airbag serial number is **ALWAYS** the 12 **DIGITS** located between the asterisks.
- The 3 digits before the asterisk **ARE NOT** part of the serial number, and **SHOULD NOT** be entered or an inaccurate response may be returned.

#### Airbag Serial Number Label Example



The **AIRBAG ASSEMBLY** serial number and the **INFLATOR** serial number are **DIFFERENT**. The **AIRBAG ASSEMBLY** serial number **MUST** be recorded prior to replacement.



## X. INFLATOR REPLACEMENT

[Video Supplement: Inflator Replacement](#)



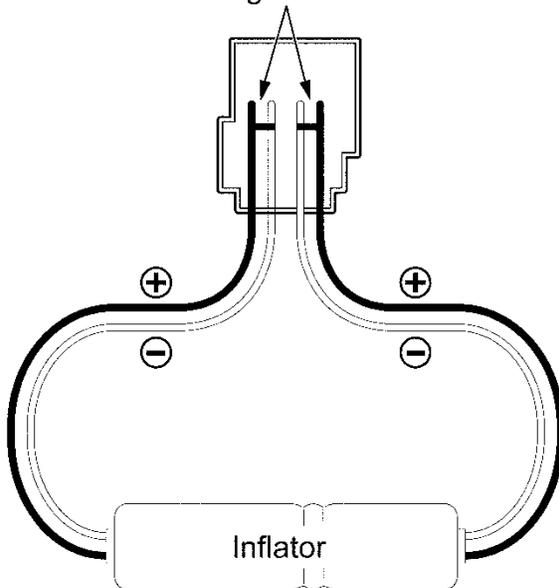
### CRITICAL INFORMATION – READ THOROUGHLY



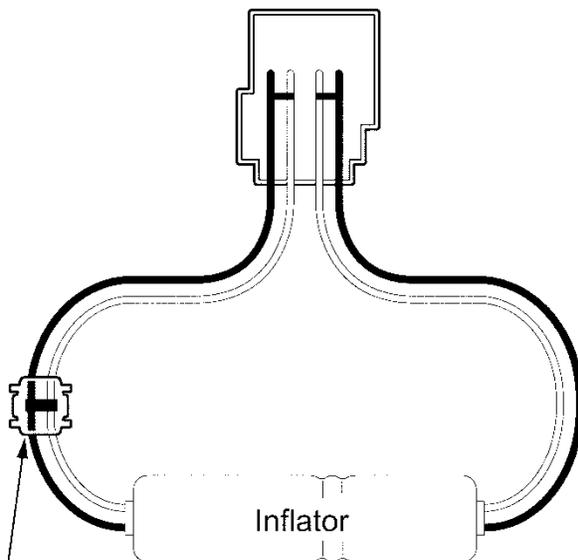
The connector of the inflator module contains a short circuiting mechanism to eliminate voltage variances when the connector(1) is disconnected. To allow for the replacement of the inflator module, a new short circuit(2) **MUST** be created before cutting the wires(3) and removing the inflator. The following steps **MUST** be followed exactly as described to ensure the work is completed correctly and safely.

(1)

Short circuiting on both sides.

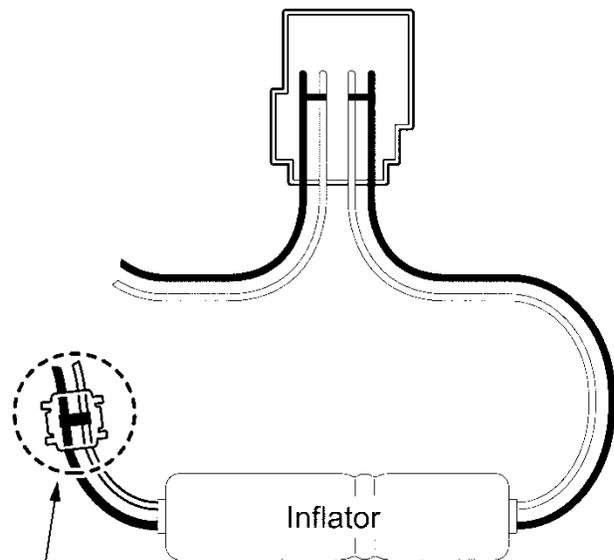


(2)



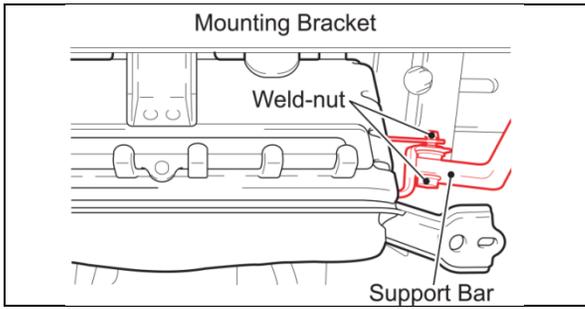
Create new short circuit using electro tap.

(3)



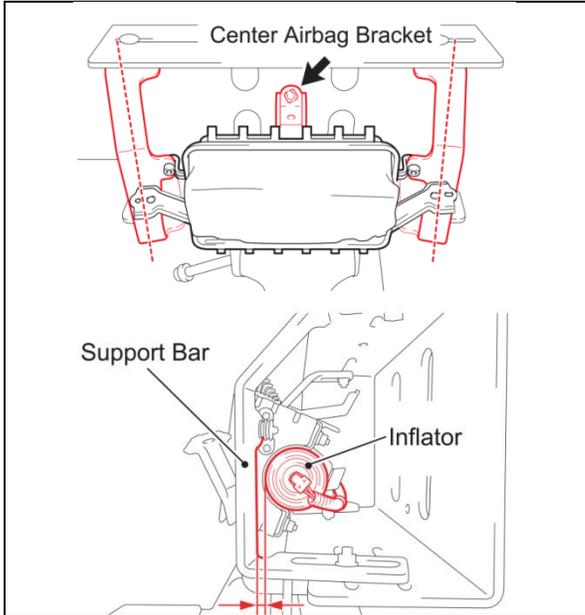
Short circuiting is maintained even after cutting harness.

R1302250036E



## 1. MOUNT THE AIRBAG IN THE MOUNTING BRACKET

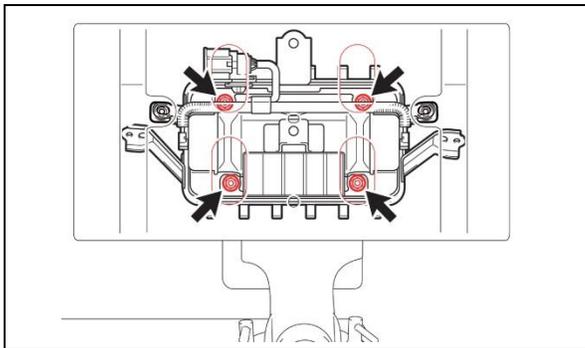
a) Position the airbag so that the airbag weld-nuts are between the support bars and mounting bracket and install the bolts.



b) Position the support bars at an angle as shown in the illustration.

c) Confirm the center airbag bracket is facing up.

**NOTE: The position of the support bars is critical to create clearance for the removal of the inflator.**



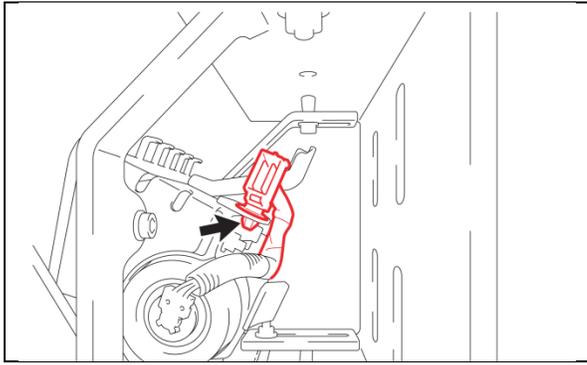
d) Position the airbag so that all four nuts can be removed through the access holes.

e) Tighten the nuts holding the support bars to the mounting bracket.

f) Confirm the following:

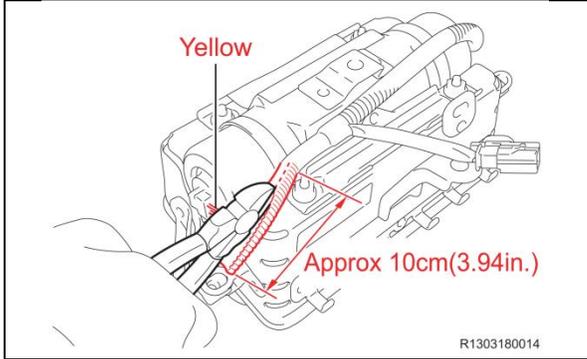
- Mounting bracket is secure in the vise.
- Airbag is secure in the support bars.
- Support bars are secure on the mounting bracket using 1 bolt/nut at the top of each support bar and 2 nuts/bolts at the bottom of each support bar.

STOP	<b>CRITICAL INFORMATION – READ THOROUGHLY</b>	STOP
	<p><b>ALWAYS</b> keep as much of your body as possible in front of the bracket when working on the airbag assembly.</p>	
	<p><b>Remember to periodically touch a metallic part of the vehicle to discharge static electricity in the body.</b></p>	



## 2. PREPARE TO INSTALL THE SHORT CIRCUIT

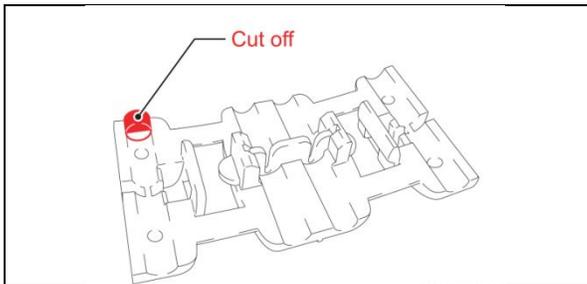
a) Disengage the harness clamp.



b) Cut the yellow corrugated tube on the harness approximately 4 inches (10 cm) using nippers.

**STOP**

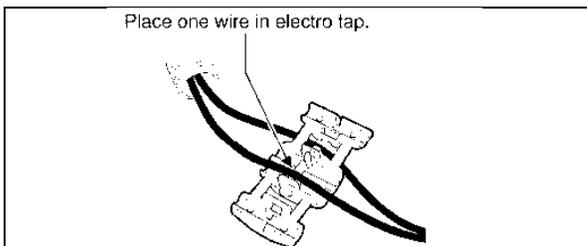
- **DO NOT** damage the wires in the tube.
- **DO NOT** use a knife or razor blade to cut the tube to avoid damaging the wires.
- This may be performed on either end of the inflator.



c) Cut off the tab of the electro tap shown in the illustration.

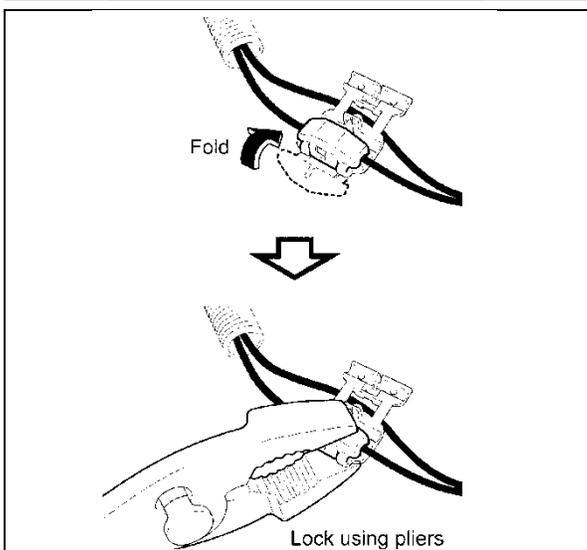
**NOTE:** The electro tap is included in the inflator parts kit.

**STOP** This tab **MUST** be removed to ensure a good short.



## 3. CREATE A NEW SHORT CIRCUIT IN THE INFLATOR HARNESS

a) Place one wire in the electro tap as shown in the illustration.

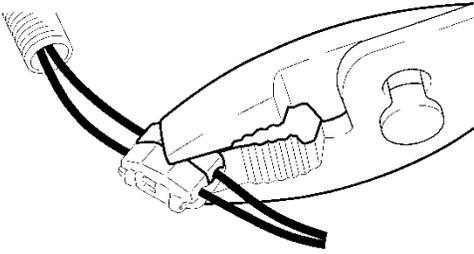


b) Fold and pinch the half of the electro tap with the wire and use pliers to lock the electro tap.

**NOTE:**

- **DO NOT** work on both wires at the same time to avoid errors.
- Pliers **MUST** be used to confirm the electro tap is firmly locked in place.

Lock the other wire.



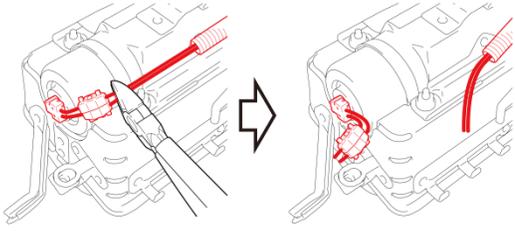
- c) Set the other wire in the electro tap and lock it in place using pliers.



**DO NOT** measure resistance of the inflator wires, this may cause accidental activation.

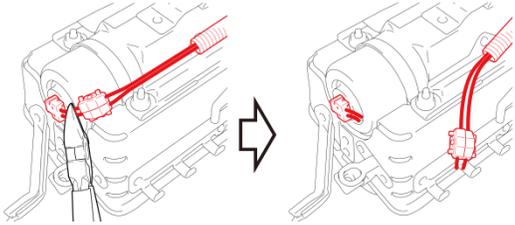
**OK**

Cut at opposite side to inflator



**NG**

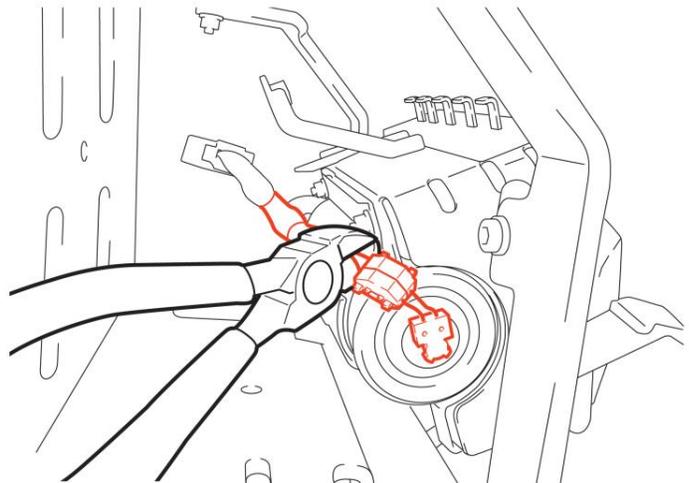
DO NOT cut at inflator side



#### 4. CUT THE INFLATOR WIRES

- a) Cut the 2 wires at the side of the electro tap that is farthest away from the inflator.

Cut the wires opposite the inflator



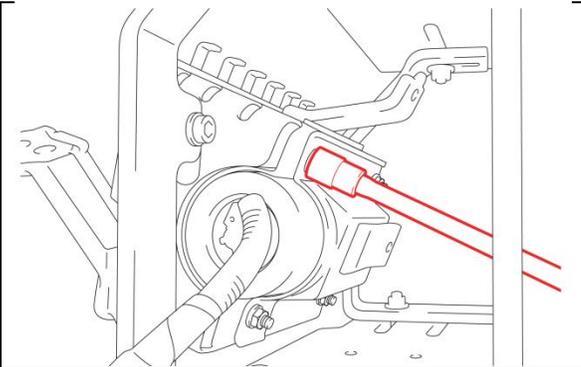
**DO NOT** measure resistance of the inflator wires, this may cause accidental activation.

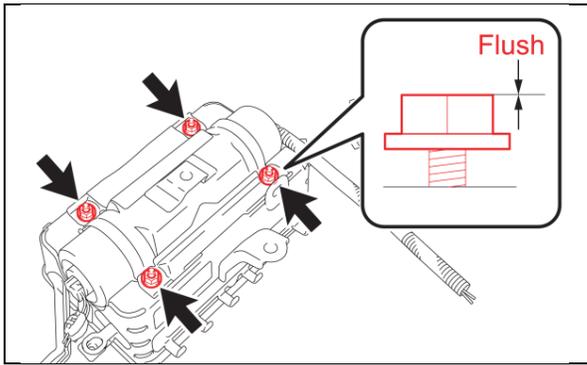
#### 5. LOOSEN THE SELF LOCKING NUTS

- a) Use the access holes in the bracket to loosen the 4 nuts.

**NOTE:**

- **DO NOT** use power tools.
- **DO NOT** remove the nuts or the bag may fall out of the airbag assembly.

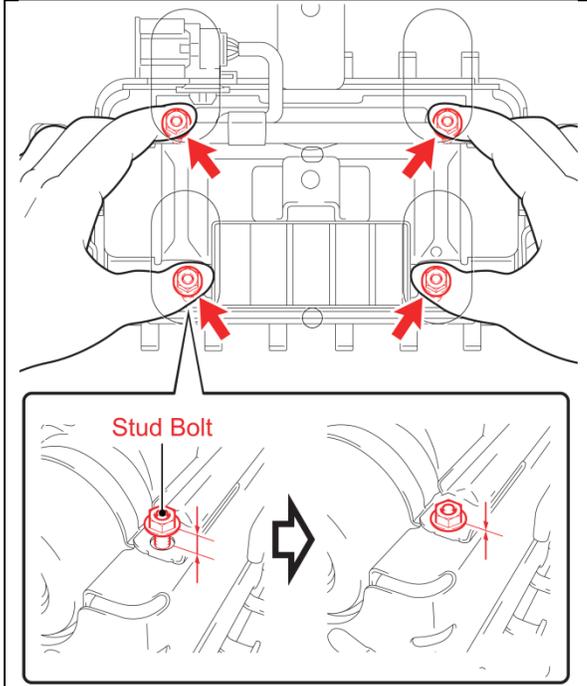




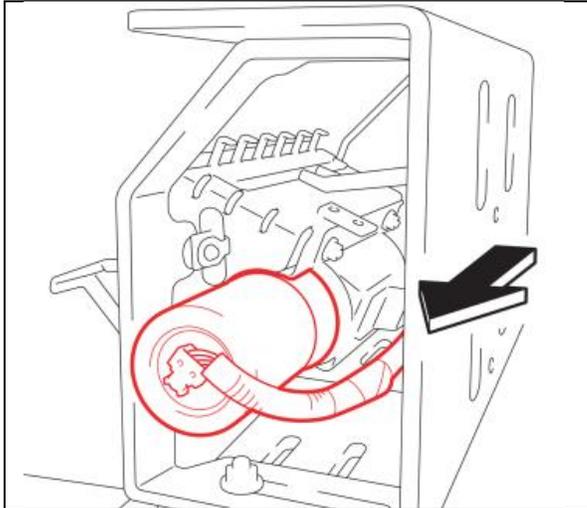
- b) Loosen the nuts until they are flush with the studs.
  - c) Use a marker to mark the nuts as they are not to be reused.
- NOTE: *DO NOT* reuse the old nuts, new nuts *MUST* be used.**

**6. REMOVE THE INFLATOR**

- a) Gently push in the 4 studs until the nuts contact the airbag case to allow for inflator removal.



- b) Remove the inflator from the airbag assembly and place it on a safe work surface.

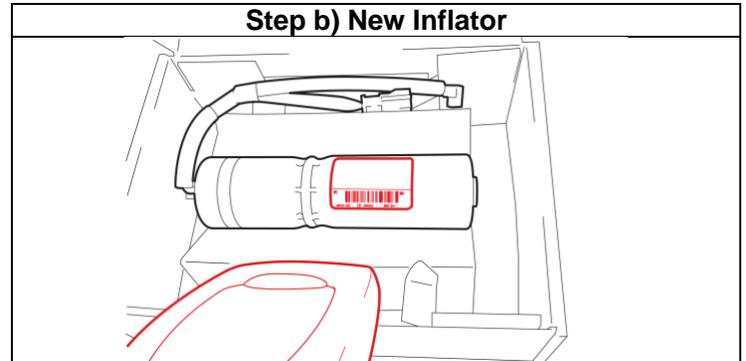
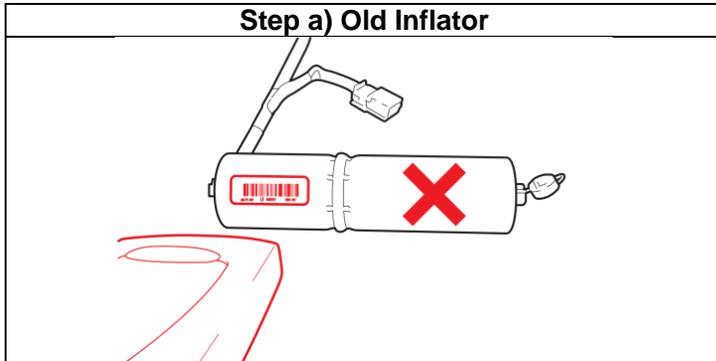


## 7. SCAN THE OLD AND NEW INFLATOR SERIAL NUMBER

- Scan the **OLD** inflator serial number and mark the old inflator so that it will not be reused.
- Scan the **NEW** inflator serial number.

**NOTE: This information is CRITICAL**

- It is used to confirm the correct inflator is removed from the vehicle.
- It is recorded by TMS to trace the return parts shipment.
- It is used to track the new inflator that is being installed on the vehicle.



- Confirm agreement by checking the two boxes.
- Record the Warranty Authorization # to be included in the warranty claim.
- Place the old inflator in the parts box and take it immediately to the parts department.

**NOTE:**

- Keep all shipping paperwork with the box that it came in.
- Confirm the cursor is in the correct serial number input box before scanning.
- If the serial number barcode will not scan, it can be entered manually.
- If there are any difficulties or concerns with this process, email [quality\\_compliance@toyota.com](mailto:quality_compliance@toyota.com) with details.

Step c)

T3 :: SuzukiR - Google Chrome  
t3qa.tms.toyota.com/t3Portal/portlets/tis/AirBag/AirBagController.portlet?...  
**Front Passenger Airbag Inflator Module - Safety Recall**  
SSC DSC

User ID: SuzukiR Technician Name: Russell Suzuki  
Dealer Code: Dealer Name:  
Time: 06/10/2014 05:25 PM PDT Airbag Serial #: \*\*\*\*\*96  
VIN: STD BT44A 33S157291 [2003 Sequoia BEIGE M. M.]

Inflator Module replacement IS REQUIRED on all vehicles under the Safety Recall. Follow the technical instructions and acknowledge the following statements.

If manually typing serial number, you MUST include all leading zeros. (If applicable)  
Original Inflator Serial #: AAELS110212  
If old inflator serial number is not visible or missing, check this box.   
Replacement Inflator Serial #: AAELS110212

If you have a concern with the inflator serial numbers, please email [quality\\_compliance@toyota.com](mailto:quality_compliance@toyota.com) with details.

\* I agree to complete the safety recall's remaining technical instructions.  
 \* I agree to perform a vehicle Health Check with Techstream upon completion of the safety recall's technical instructions.

(\*) - Indicates Required Field

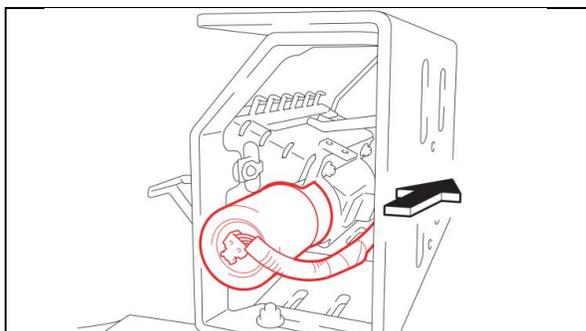
Step d)

T3 :: SuzukiR - Google Chrome  
t3qa.tms.toyota.com/t3Portal/portlets/tis/airBag/AirBagController.portlet?...  
**Front Passenger Airbag Inflator Module - Safety Recall**  
SSC DSC

User ID: SuzukiR Technician Name: Russell Suzuki  
Dealer Code: Dealer Name:  
Time: 06/10/2014 05:13 PM PDT Airbag Serial #: \*\*\*\*\*96  
Original Inflator Serial #: AAELS110212 Replacement Inflator Serial #: AAELS110212

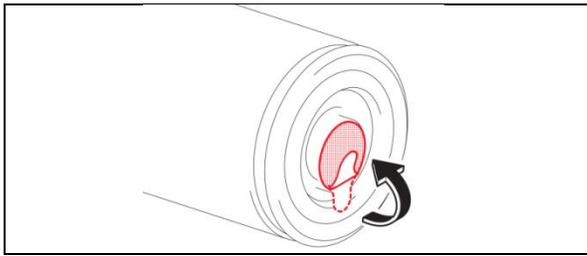
SuzukiR has agreed to the following terms and conditions on 06/10/2014 05:13 PM PDT  
 \* I agree to complete the safety recall's remaining technical instructions.  
 \* I agree to perform a vehicle Health Check with Techstream upon completion of the safety recall's technical instructions.

Russell Suzuki has successfully confirmed completion of Airbag Inflator Module Safety Recall for  
VIN - STD BT44A 33S157291 [2003 Sequoia BEIGE M. M.]  
Warranty Authorization #: b5511e9f  
Airbag inflator module was replaced under this safety recall.  
Print this page for your records and then click 'Close' to resume working.



## 8. INSTALL THE NEW INFLATOR

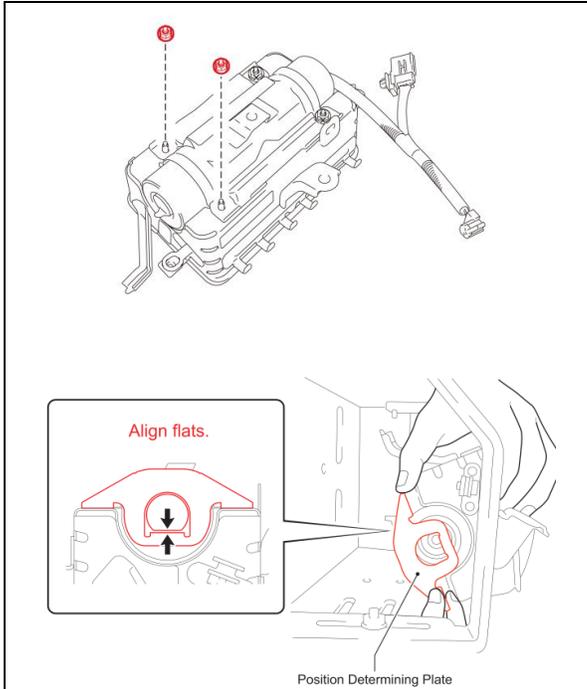
- Carefully slide the new inflator into the airbag assembly.



## 9. FOLD THE CONNECTOR SEAL

- Fold the seal in order to prevent it from being caught under the position determining plate in the next step.

**NOTE: DO NOT** fully remove the seal until just before connecting the harness.

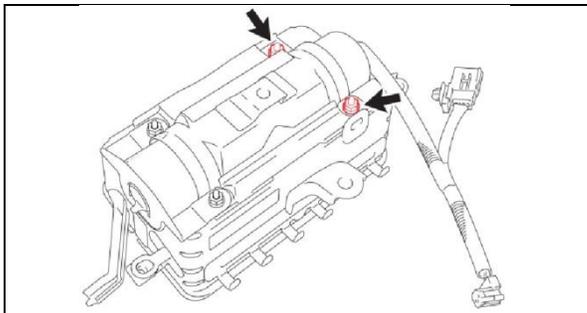


## 10. INSTALL THE NEW SELF LOCKING NUTS AND POSITION DETERMINING PLATE

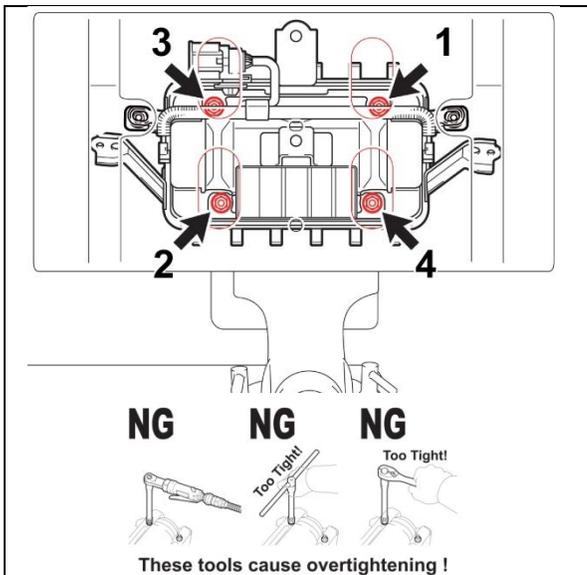
- Remove the 2 old nuts.
- Install the position determining plate and install the 2 **NEW** nuts by hand. They will be torqued on a later step.



The position determining plate can only be installed on one side in one position, confirm the plate is aligned correctly.



- Remove the 2 old nuts.
- Install the 2 **NEW** nuts by hand. They will be torqued on the next step.



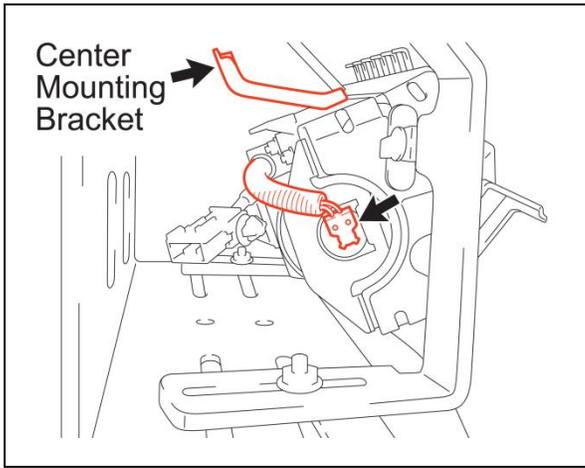
## 11. TORQUE THE NUTS

- Push the inflator so that it contacts the position determining plate.
- Tighten the nuts evenly in two increments following the sequence shown in the illustration. Use a socket driver or torque wrench to tighten the nuts.

**Torque: 35in. lbf (3.9N-m)**



- If the inflator is not positioned correctly in the position determining plate the airbag may not deploy correctly when activated.
- There will be some resistance when tightening the nuts because they are self-locking, confirm the nuts are tightened correctly.
- DO NOT** use a power tool, T-handle, or ratchet when tightening the nuts to avoid overtightening.

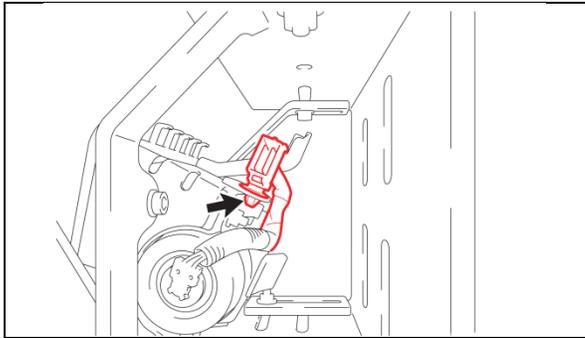


## 12. CONNECT THE INFLATOR CONNECTOR

- Remove the connector seal from the inflator.
- Confirm the alignment of the harness connector as shown in the illustration, then connect the harness. The connector wires should lead toward the center mounting bracket on the airbag assembly.



- The connector should be connected **IMMEDIATELY** after removing the seal.
- The connector is one-way, once it is installed it **CANNOT** be removed.
- If the connector is installed in the incorrect orientation the terminals may be bent or the connector may not fully engage.

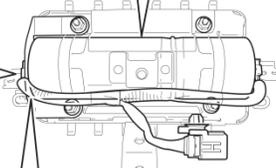


## 13. CONNECT THE HARNESS CLAMP

(a) Replacement of parts.



(b) Harness faces toward position determining plate.



(c) Flats are aligned. No gap.



R/10218620

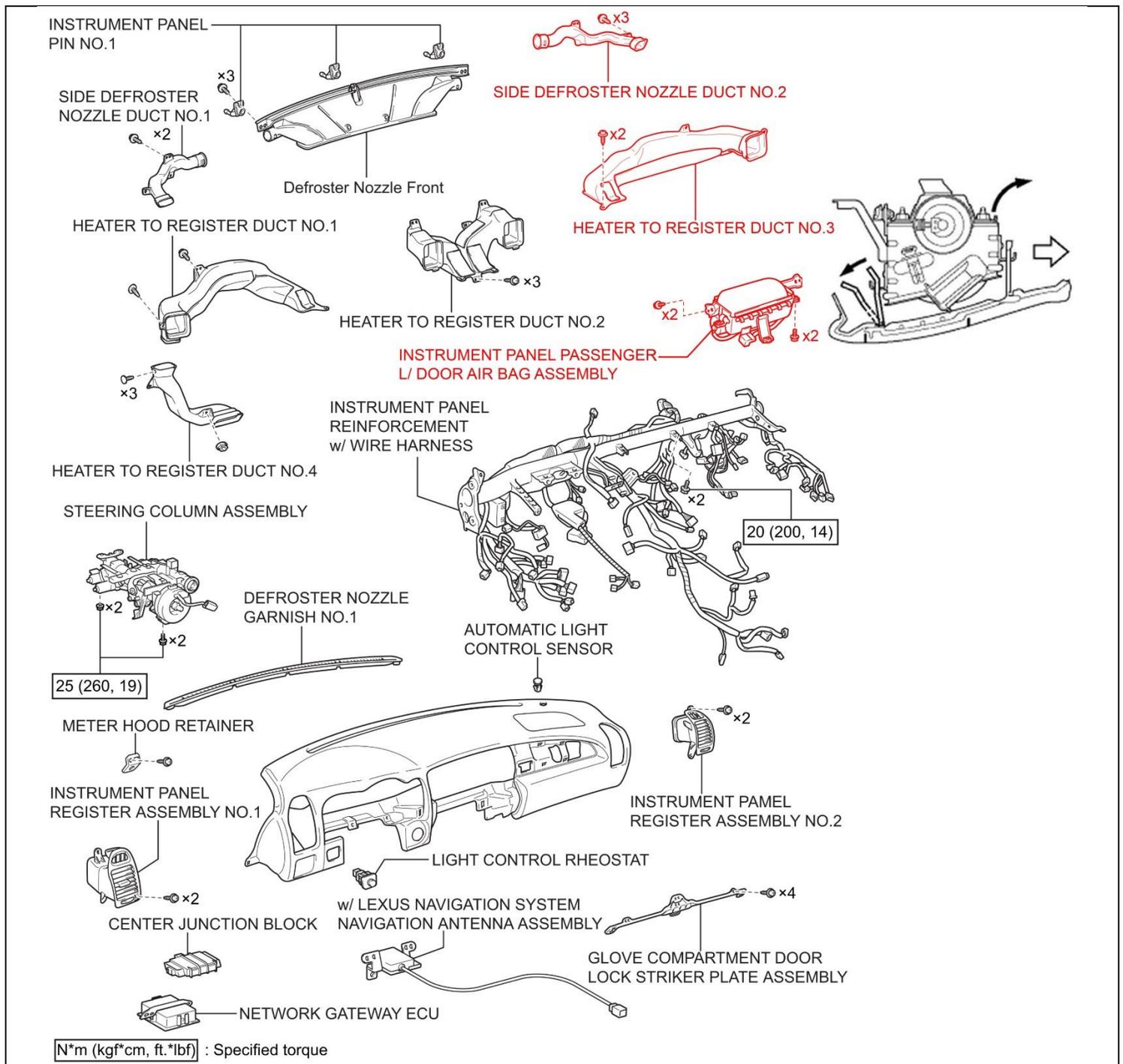
## 14. INSPECT THE AIRBAG BEFORE INSTALLATION

- Confirm that the 4 **NEW** nuts are installed and tight.
- Confirm the **NEW** position determining plate is installed.
- Confirm the flats on the position determining plate and inflator are aligned.

## XI. VEHICLE REASSEMBLY

### 1. REINSTALL THE AIRBAG ASSEMBLY IN THE INSTRUMENT PANEL

- Position the airbag assembly in the instrument panel, engage the straps, then install the 4 bolts.
- Install the 2 screws and the heater to register duct.
- Install the 3 screws and the side defroster nozzle.



### 2. INSTALL THE INSTRUMENT PANEL SAFETY PAD SUB-ASSEMBLY

- Refer to [TIS](#) for installation instructions.

### 3. RECONNECT THE NEGATIVE BATTERY CABLE

### 4. PERFORM A HEALTH CHECK AND DIAGNOSTIC REPORT

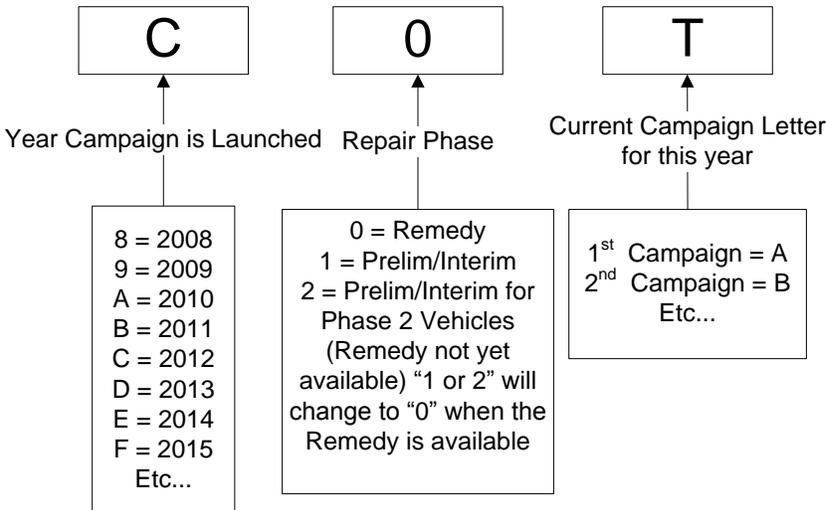
## ◀ VERIFY REPAIR QUALITY ▶

- Confirm all precautions are followed to ensure safety during the repair
- Confirm the entire serial number checker application is completed and the warranty authorization # is recorded on *EVERY* vehicle
- Confirm the old inflator is handled safely and given to the appropriate parts professional for shipment
- Confirm the inflator harness connector is fully engaged and that the position determining plate is installed correctly

If you have any questions regarding this update, please contact your area representative.

## XII. APPENDIX

### A. CAMPAIGN DESIGNATION DECODER



### B. CAMPAIGN PARTS DISPOSAL

#### [Video Supplement: Parts Handling](#)

**ALL** inflators that are removed from vehicles under this campaign **MUST** be packaged and shipped back to the inflator manufacturer following the manufacturer's instructions. The instructions can be found in the following locations:

- Attached to the dealer letter
- Included in the parts box
- The laminated aid that was provided at the launch of the campaign