## **TECHNICAL INSTRUCTIONS**

## FOR

## SAFETY RECALL GOP

## FRONT PASSENGER AIRBAG INFLATOR

## CERTAIN 2008 - 2013 MY SCION xB

# Updated 7-17-2018

Update 07-17-18

- The Technician Certification Requirements have changed

Update 4-18-18

- The parts section has been updated

Update 2-14-18

The parts section has been updated

Update 1-9-18 - Added 2013 MY

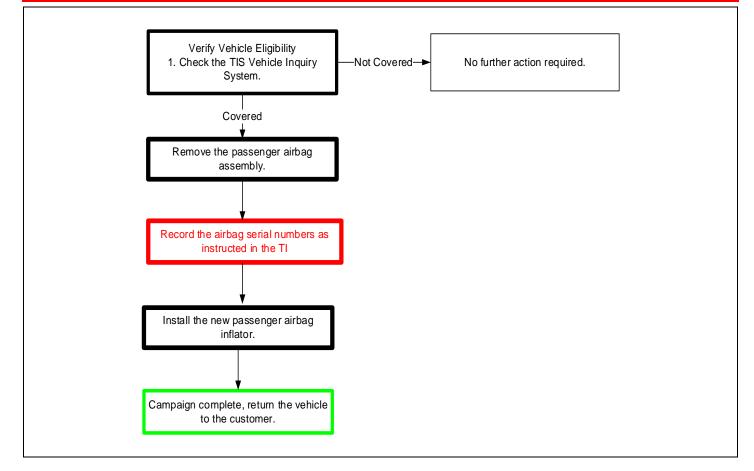
All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to have successfully completed E-Learning course SC18A (if you had previously completed E-Learning Course SC18A, you do not have to take SC18A), in addition to "Safety Recall and Service Campaign Essentials", and currently hold at least one of the following certifications levels:

- Toyota Certified (Electrical)
- Toyota Expert (Any Specialty)
- Master
- Master Diagnostic Technicians

Always check which technicians can perform the recall remedy by logging on to <u>https://www.uotdealerreports.com</u>. It is the dealership's responsibility to select technicians with the above certification level or greater to perform this repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

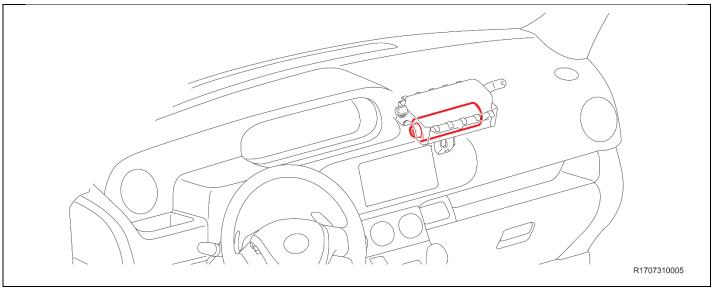
## I. OPERATION FLOW CHART

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 produced by Takata. According to Takata, the propellant in these inflators may degrade after prolonged exposure to high absolute humidity and fluctuating high temperatures. Degraded propellant can cause inflator rupture during airbag deployment. In the event of an inflator rupture, metal fragments could pass through the airbag cushion material, striking the vehicle occupants, and result in serious injury or death.



## **III. IDENTIFICATION OF AFFECTED VEHICLES**

- 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	
04007-06812 Ir		nstrument Panel Airbag Inflator Kit*		1	
	* The Part Number	kit above includes the following p Part Description	oarts. Quantity		
-		Inflator	1		
	-	Self-locking Nut	5		
-		Position Determining Plate 1			

	Part Description	Quantity	
	Clip Kit*		1
* The	kit above includes the following	parts.	
lumber	Part Description	Quantit	y
-	Front Pillar Garnish Clip 2		
	Number	Clip Kit*  * The kit above includes the following Number Part Description	Clip Kit*  * The kit above includes the following parts. Number Part Description Quantit

# OR

Model	Part Number	Part Description	Quantity		
Scion xB	04006-49312	04006-49312 Instrument Panel Airbag Module (Instructions for this part are in the module replacement TI)			
	04006-66108	Clip Kit*	1		
	* The kit above includes the following parts.				
	Part Number	Part Description	Quantity		
		Front Pillar Garnish Clip	2		

IF USING THE PART MENTIONED ABOVE, FOLLOW THE INSTRUCTIONS IN THE MODULE REPLACEMENT TI

## Non-Desiccated Part Recovery

Dealers should <u>discontinue the installation</u> of the non-desiccated parts listed below for recall, customer pay repairs AND over-the-counter sales (if applicable).

Model	Model Year	Part Number	Part Description
Scion xB	2008-2013	73970-12140	AIR BAG ASSY, INSTR PNL PASS

Toyota requires all dealers to return any parts listed above that still remain in dealer inventory by utilizing the Hazmat Part Return Program available. Dealers will be issued a refund for all part returns. This part return program is outlined in *PANT Bulletin 2014-042*.

#### Important Note:

In order to return the inflator, packages must NOT be opened/tampered with.

### A. TOOLS & EQUIPMENT

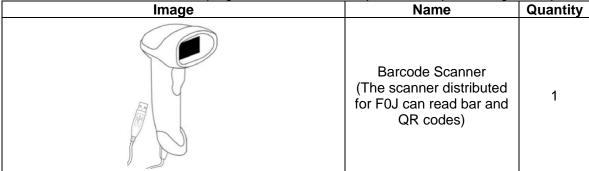
- Standard hand tools 
   Torque wrench Techstream Molding
  - Molding remover set

#### **B. MATERIALS**

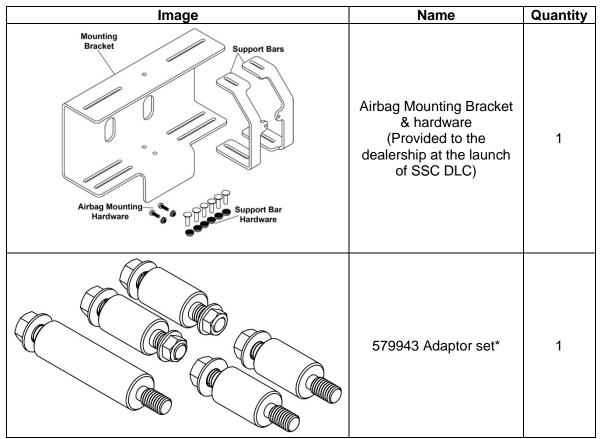
•

- Protective Tape
- Marker Pen

**G0P/G0R/H0A CAMPAIGN TOOLS** – These tools where previously provided to the dealership for campaign F0J and will be used for this campaign. These tools are required when performing this repair.



NOTE: This tool *CANNOT* be ordered through the parts or tools system. If additional tools are needed, they can be sourced locally.

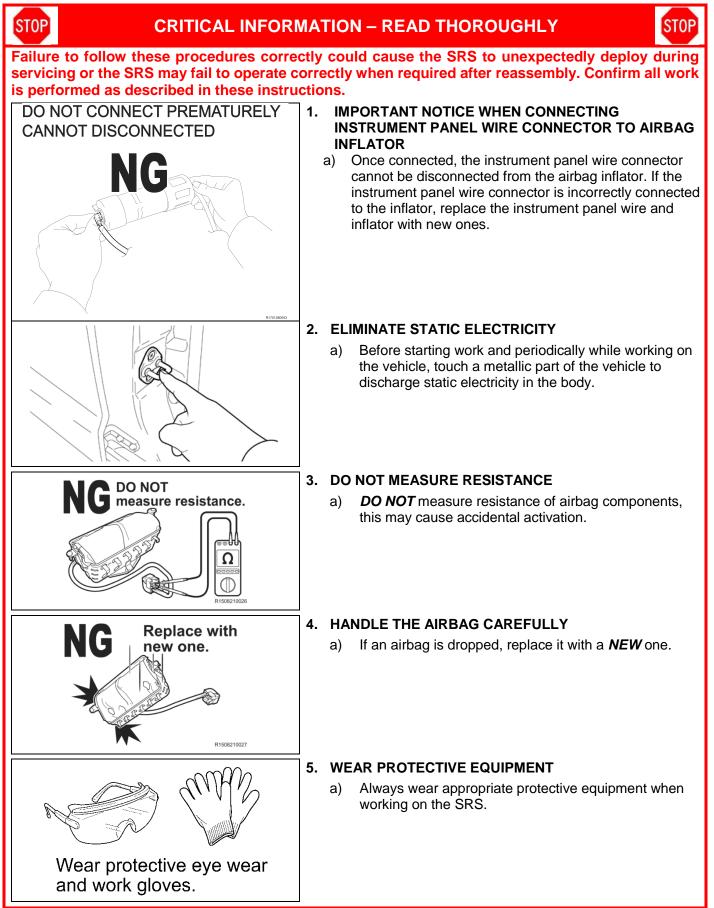


\*The adapter set was sent to dealers prior to the start of this campaign.

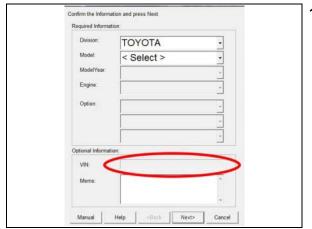
**SST** –These are essential service tools that the dealership should have.

Part Number	Part Name	Quantity			
09950-50013	Puller C Set *	1			
* The set above includes the following tools.					
Part Number	Part Name	Quantity			
09951-05010	Hanger 150	1			
09952-05010	Slide Arm	2			
09953-05020	Center Bolt 150	1			
09954-05021	Claw No. 2	2			
	•				

## **V. SAFETY PRECAUTIONS**



## VI. SRS SYSTEM HEALTH CHECK



## 1. PERFORM A HEALTH CHECK

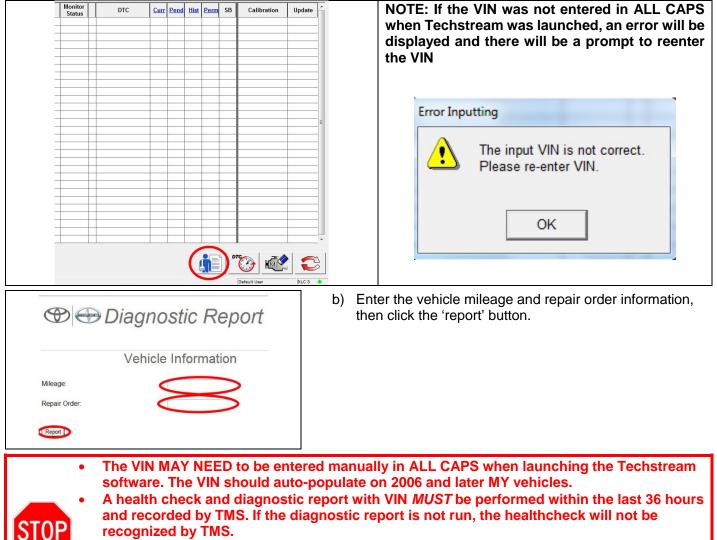
- a) Confirm the Techstream is connected to the dealership's internet.
- b) When launching the Techstream software the VIN may need to be entered manually.

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.

- c) Perform a health check.
  - Note: The VIN may auto populate on the later model year vehicles, if this happens DO NOT change the VIN.

#### 2. RUN A DIAGNOSTIC REPORT

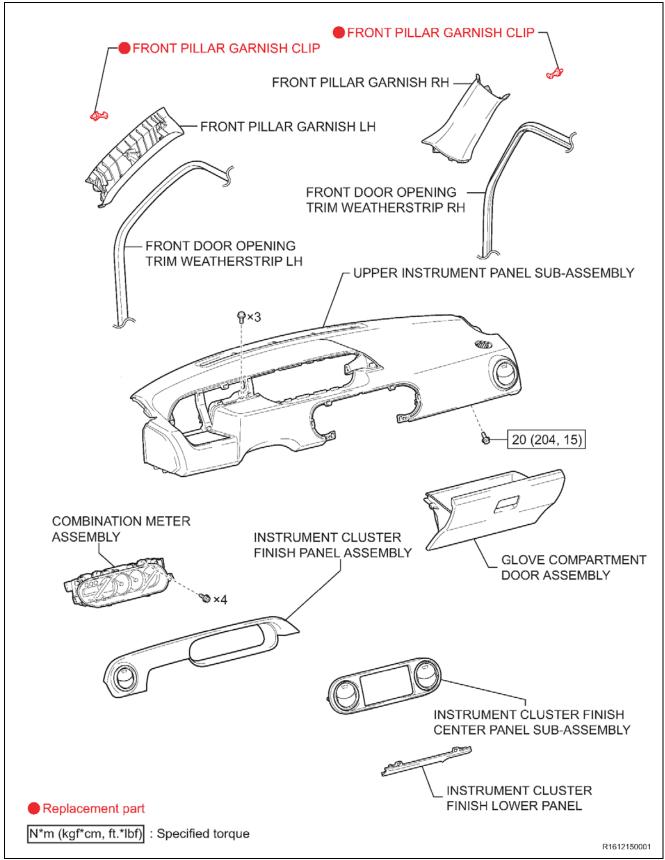
a) After the health check has completed, run a diagnostic report by clicking on the link on the health check screen.

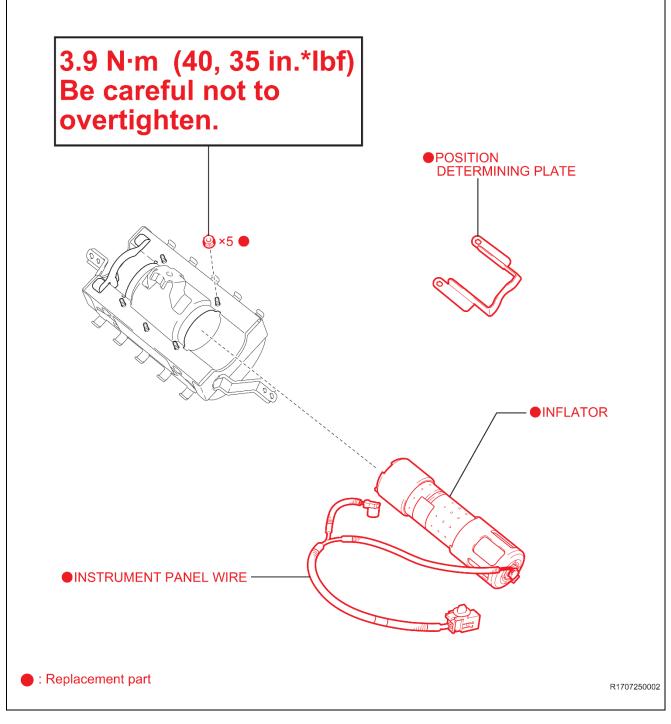


- recognized by TMS.
  The serial number recording application will be disabled and the repair cannot be completed if a health check and diagnostic report is not performed and recorded by TMS.
- This campaign only covers the replacement of the passenger airbag module. NO other SRS components are covered under this campaign.

## VII. PASSENGER AIRBAG MODULE REPLACEMENT

#### COMPONENTS



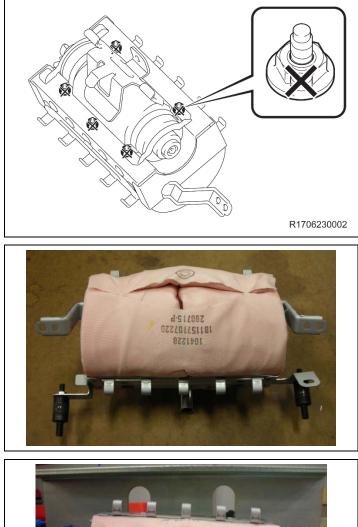


## 1. REMOVE THE AIRBAG MODULE

a) Refer to TIS for instructions on airbag removal:

	<u>200</u>	<u>98MY</u>	<u>2009MY</u>	<u>2010MY</u>	<u>2011 MY</u>	<u>2012 MY</u>	<u>2013 MY</u>
STOP	<ul> <li>Wait at least 90 seconds after disconnecting the cable from the negative battery terminal to prevent airbag and seat belt pre-tensioner deployment.</li> <li>Follow all precautions as outlined on TIS before servicing the SRS system.</li> </ul>						

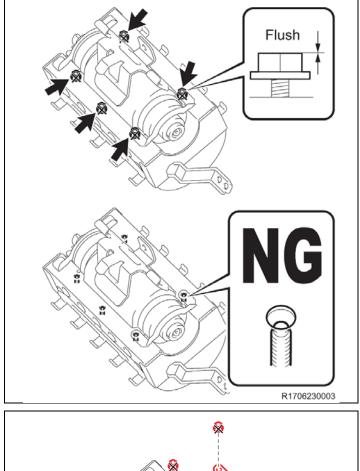
#### 2. REMOVE INFLATOR FROM THE AIRBAG MODULE

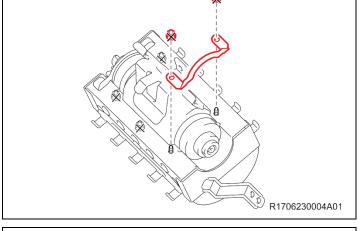


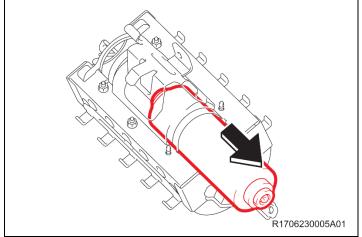
- 1. REMOVE THE INFLATOR
- a) Mark the 5 self locking nuts to prevent reuse.

a) Mount the adaptors (579943-3R3) to the airbag as shown.NOTE: The 6mm stud mounts to the airbag.

b) Mount the airbag to the mouting bracket as shown.







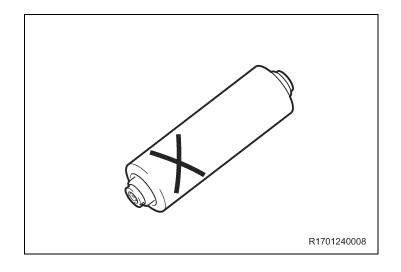
- c) Loosen the 5 nuts until each nut is flush with the top of the stud as shown.
- NOTE: You may need to slide the airbag to the left or right to access the middle nut. DO NOT use power tools to remove the nuts.

- d) Loosen and discard the 2 nuts on the end where the postioning plate is removeable.
- e) Remove and discard the plate.

## NOTE:

## DO NOT use power tools.

f) Remove the inflator.



 g) Mark the old inflator so it is not reused.
 NOTE: Return the old inflator to the parts department for recovery.

## 3. LAUNCH THE SERIAL NUMBER RECORDING APPLICATION

**STOP** 

- The AIRBAG MODULE serial number MUST be recorded using the barcode scanner (provided at the launch of SSC F0J).
  - The barcode scanner application MUST be completed on every vehicle. These numbers MUST be included on every warranty claim that is submitted for 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.
- a) Log in to TIS and input the VIN of the vehicle in the Vehicle Inquiry tab.
- b) Confirm the VIN is applicable and that the campaign has not been completed.
- c) Click on the link to launch the serial number recording application.
  - Note: The Serial Number Recording Application is the same as the previous application, so the screens will still indicate an older campaign.

Enter a 17 Digit VIN below to search			
a)		_	
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 - PREMONT PLANT - NUMMI	
VIN: 1NX -8R32E-000000000	Standard Equipment: Click here	to display	
Exterior Color: 03MS, SANDRIFT	METALLIC	Interior Color: FA41, FA41	
		Interior Trim Color: FA, *	Interior Fabric: F, *
Vehicle accessories are not curren	tly available. Try your query again later.		
Campaign Service History	Warranty DTC History Dia	gnostic Report	
Service Campaign			)
Campaign Description: Safety	Recall DOF Remedy Notice - 2003-2004 Mod	del Year Corolla, Corolla Matrix, Sequoia, an	d Tundra Vehicles, 2002-2003 Model Year

- d) Reenter TIS password in the serial number recorder application.
- NOTE: The person logged-in to TIS <u>MUST</u> be the person performing the repair.

FIONL Pas	<u>senger A</u>	<u>irbag Infla</u>	tor Module - S	Safety Recall	
		SSC - I	DSF		
				12345	
User ID: SuzukiR			Technician Nan	e: Russell Suzuki	
Dealer Code:			Dealer Name:		
Time: 06/10/2014 02:07 PM P	OT		Airbag Serial #:		
Original Inflator Serial #:					
Original Innator Serial #:			Replacement Inflator Serial #:		
	VIN: STD	BTA	BEIGE M. M.]		
	(	Mileage*			
Task	Dealer	User	Time	Status	
Airbag # Record Inflator # Record				Not Started Not Started	
Inflator # Record Terms & Conditions				Not Started Not Started	
				Not Started	

e) Record the vehicle mileage into the serial number recording application.

NOTE:

• If this screen indicates that the module has already been replaced on this VIN, there is no need to perform the campaign again.

#### 4. CONNECT THE BARCODE SCANNER

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

NOTE:

- The scanner was provided for SSC F0J.
- The scanner works best in low light conditions.
- Always hold the scanner directly in front of and parallel to the barcode label.

#### 5. SCAN THE AIRBAG SERIAL NUMBER

# **ATTENTION:** This information is **CRITICAL**

- a) Scan the AIRBAG ASSEMBLY serial number 2 times.
  - Confirm that the cursor is in the first serial number box then scan the bar code.
  - 2) Position the cursor in the second serial number box and rescan the bar code.

b) Click next.

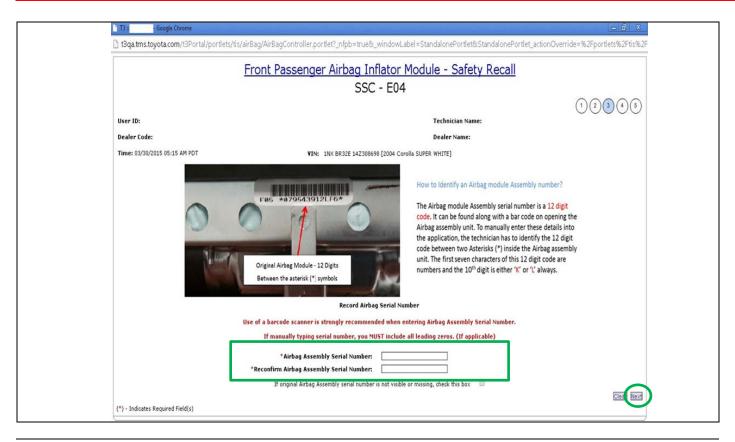
NOTE:

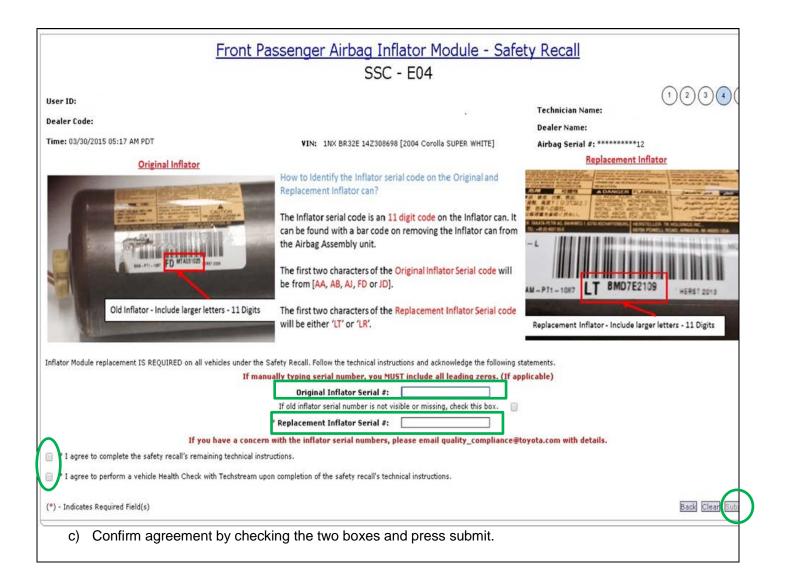
STOP

- If both the serial numbers do not match, confirm and reenter.
- If the serial number barcode will not scan, it can be entered manually.
- 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 serial number MUST be recorded prior to replacement.

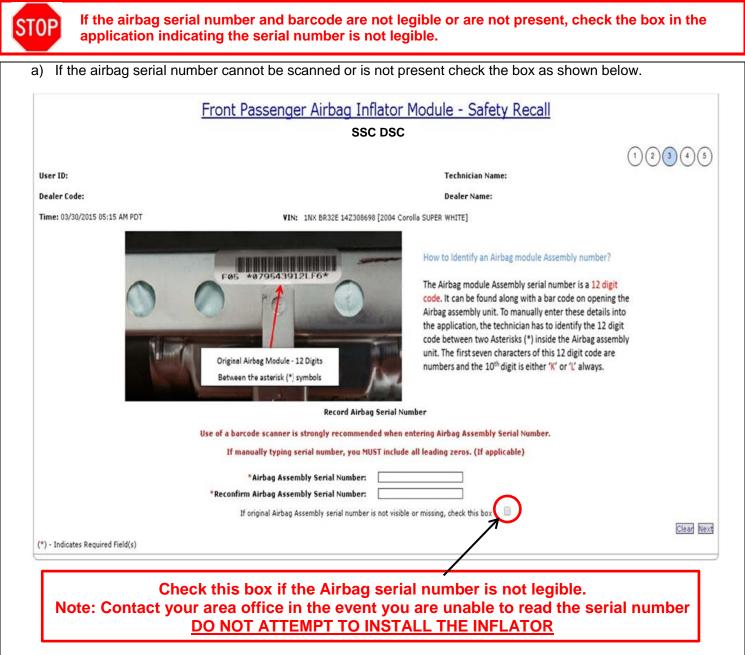


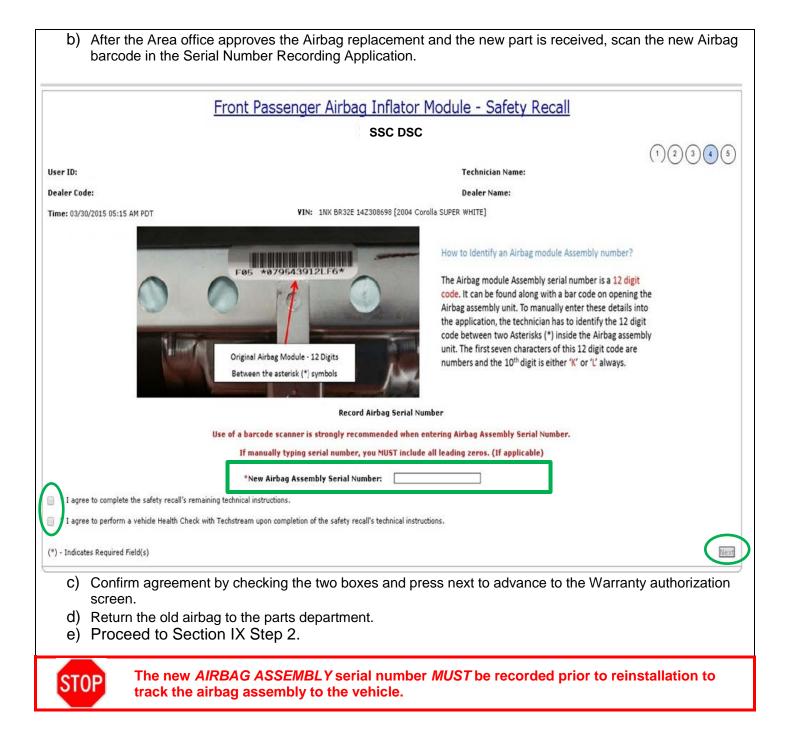


d) Record the Warranty Authorization # to be included in the warranty claim.					
T3 :: SuzukiR - Google Chrome					
t3qa.tms.toyota.com/t3Portal/portlets/tis/airBag/AirBagController.portlet?_nfpb=true&_windowLabel=Standalo					
Front Passenger Airbag Inflator Module - Safety Recall 🗧 🖨					
SSC - DSF					
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 #: AAEL5110212	Replacement Inflator Serial #: AAEL5110213				
<ul> <li>* I agree to complete the safety recall's remaining technical instructions.</li> <li>* I agree to perform a vehicle Health Check with Techstream upon completion of the safety recall's technical instructions.</li> <li>Russell Suzuki has successfully confirmed completion of Airbag Inflator Module Safety Recall for</li> </ul>					
	/291 [2003 Sequoia BEIGE M. M.] orization #: b5511e9f				
Airbag inflator module was replaced under this safety recall. Print this page for your records and then click 'Close' to resume working.					
	Close				
<ul><li>e) Confirm agreement by checking the two boxes</li><li>f) Place the old airbag in the parts box and retur</li></ul>					
NOTE: • Keep all shipping paperwork with the box t					

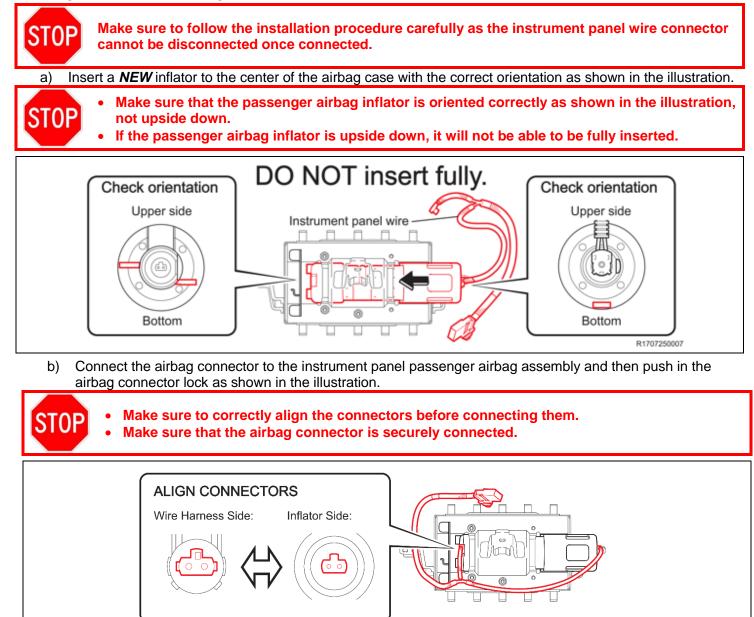
- Confirm the cursor is in the correct serial number input box before scanning.
  If the serial number barcode will not scan, it can be entered manually.
- If there are any difficulties or concerns with this process, email quality\_compliance@toyota.com with details.

## AIRBAG SERIAL NUMBER IS MISSING OR IS UNREADABLE



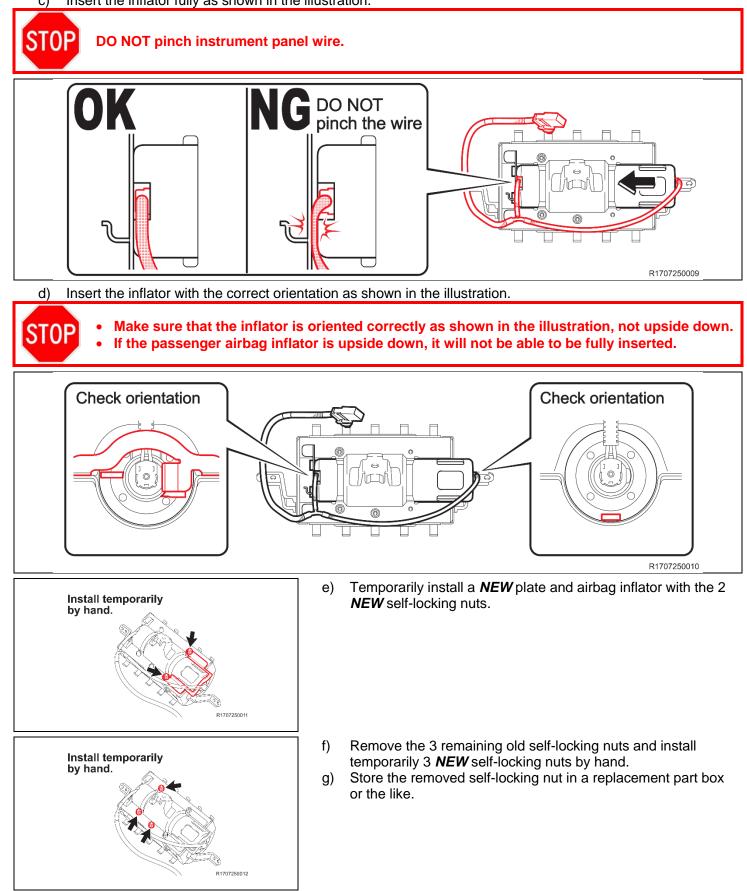


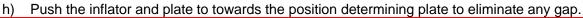
#### VIII. FRONT PASSENGER AIRBAG REINSTALLATION 1. INSTALL A NEW INFLATOR

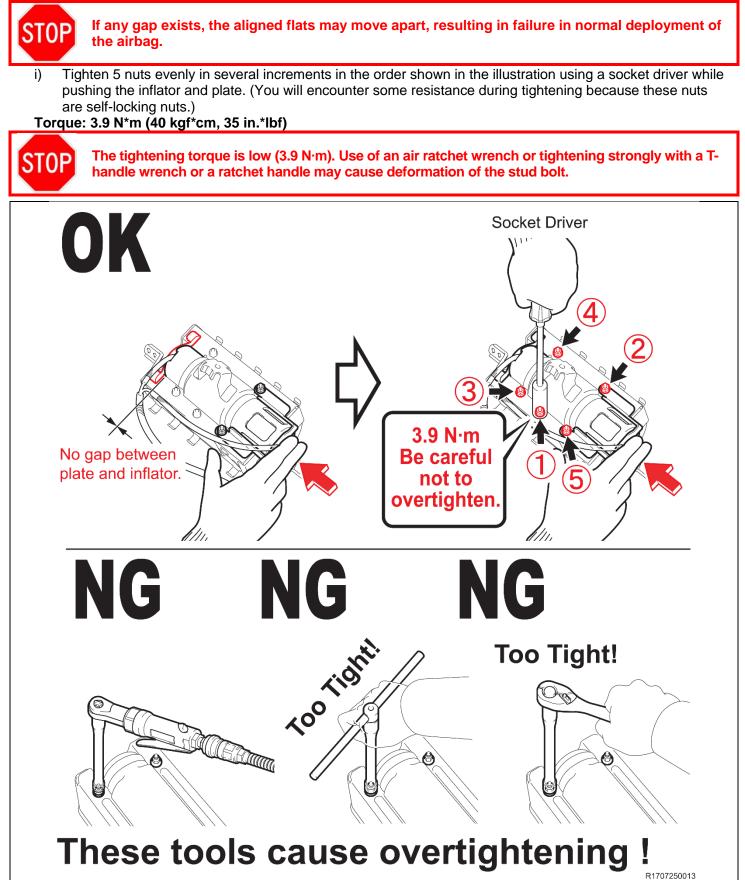


R1707250008

c) Insert the inflator fully as shown in the illustration.

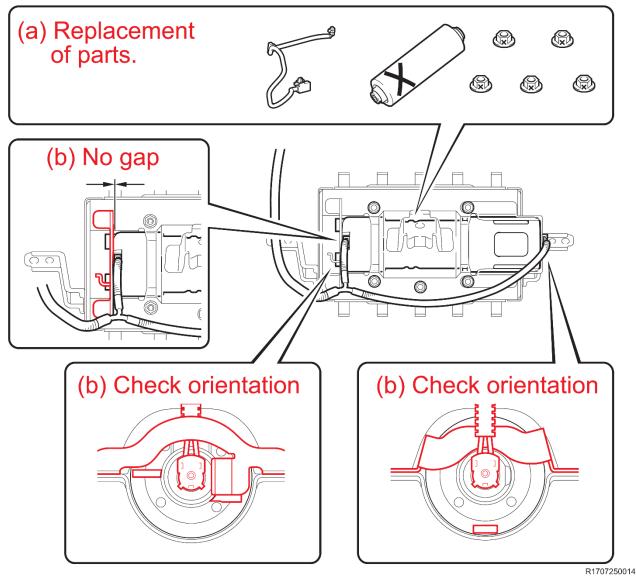






## 2. INTERMEDIATE INSPECTION

- a) Check that the inflator and the 5 self-locking nuts, instrument panel wire are replaced.
- b) Check that positions of the inflator and the position determining plate are correct. (There should be no gap.)



#### 1. REINSTALL THE AIRBAG MODULE

a) Refer to TIS for instructions on airbag installation:

<u>2008 MY</u> <u>2009 MY</u> <u>2010 MY</u> <u>2011 MY</u> <u>2012 MY</u> <u>2013 MY</u>

#### 2. RECONNECT THE NEGATIVE BATTERY CABLE

- a) Reconnect the negative battery cable.
- b) Perform any needed system intialzations.
- 3. PREFORM ANY NEEDED VEHICLE INITIALIZATIONS
- 4. PERFORM A HEALTH CHECK AND DIAGNOSTIC REPORT

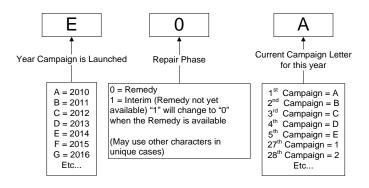
# ◄ VERIFY REPAIR QUALITY ►

- Confirm all precautions are follow 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

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

## IX APPENDIX

A. CAMPAIGN DESIGNATION DECODER



Examples:

A0D = Launched in 2010, Remedy Phase, 4<sup>th</sup> Campaign Launched in 2010 B1E = Launched in 2011, Interim Phase, 5<sup>th</sup> Campaign Launched in 2011 C1C = Launched in 2012, Interim Phase, 3<sup>rd</sup> Campaign Launched in 2012

## **B. CAMPAIGN PARTS DISPOSAL**

**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