# **TECHNICAL INSTRUCTIONS**

# FOR

# SAFETY RECALL GLG

# FRONT PASSENGER AIRBAG MODULE

# **CERTAIN 2010-2011 MY GX 460**

**UPDATED SEPTEMBER 21, 2017** 

#### 9-21-2017

Added 2011 model year

The repair quality of covered vehicles is extremely important to Lexus. 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:

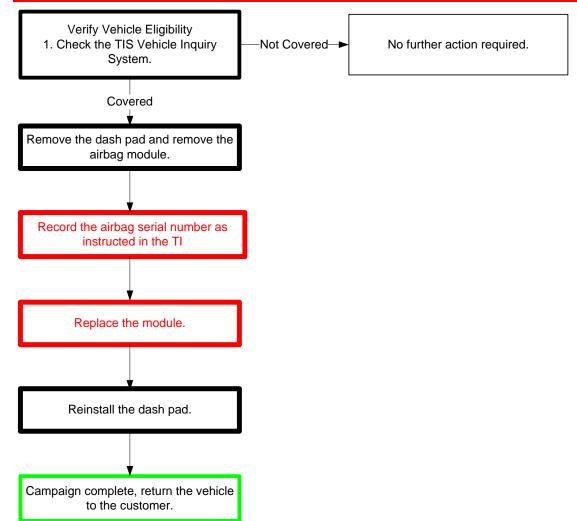
- MASTER SERVICE TECHNICIANS
- MASTER DIAGNOSTIC SPECIALISTS

It is the dealership's responsibility to select technicians with the above certification level or greater to perform this recall 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.

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

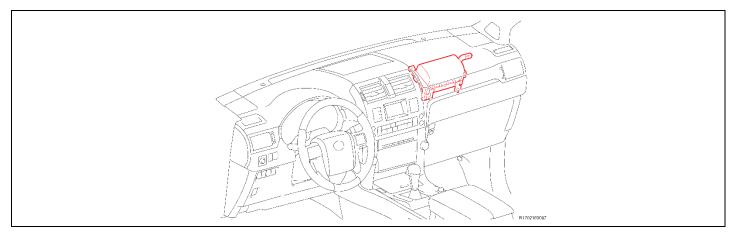
# I. OPERATION FLOW CHART

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. 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**

## 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
04007-14160	Instrument Panel Passenger Airbag	1

## **B. TOOLS & EQUIPMENT**

- Standard hand tools
   Torque wrench
   Techstream
- Molding remover set

GLG/GLH CAMPAIGN TOOLS – These tools are required when performing this repair.

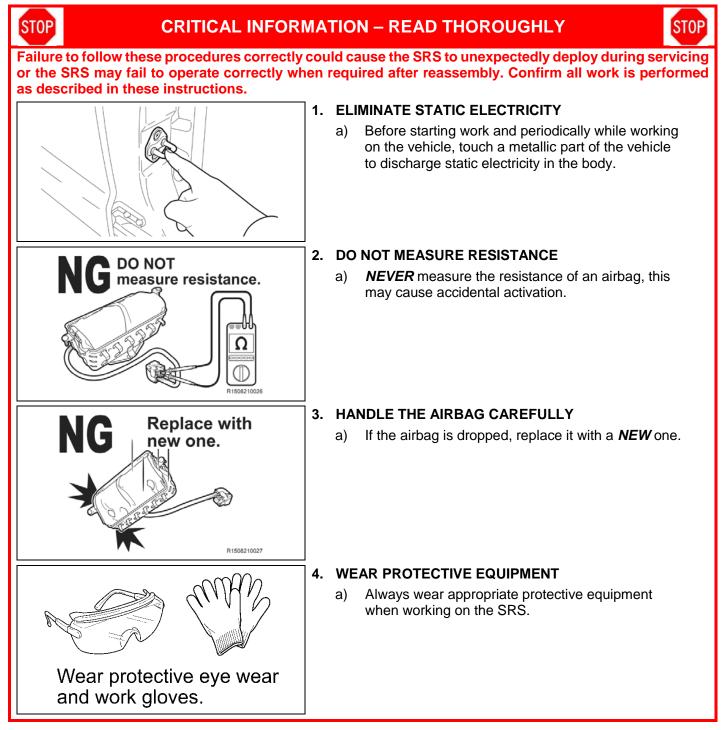
Image	Name	Quantity
	Barcode Scanner (The scanner was previously proved for SSC DLC)	1

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

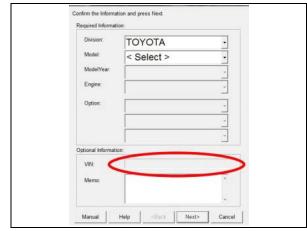
#### **SST** –These are essential service tools that the dealership should have.

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
-	09950-50013 Part Number 09951-05010 09952-05010 09953-05020	09950-50013Puller C Set * * The set above includes the following tools.Part NumberPart Name09951-05010Hanger 15009952-05010Slide Arm09953-05020Center Bolt 150

# **V. SAFETY PRECAUTIONS**



# VI. SRS SYSTEM HEALTH CHECK



## 1. PERFORM A HEALTH CHECK

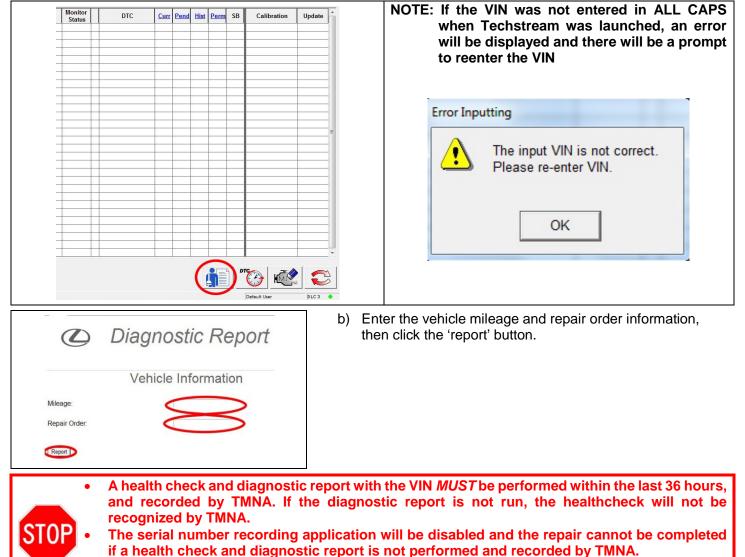
- a) Confirm the Techstream is connected to the dealership's internet.
- b) When launching the Techstream software the VIN may auto populate if not then it **MUST** be entered manually.

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.

- 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.

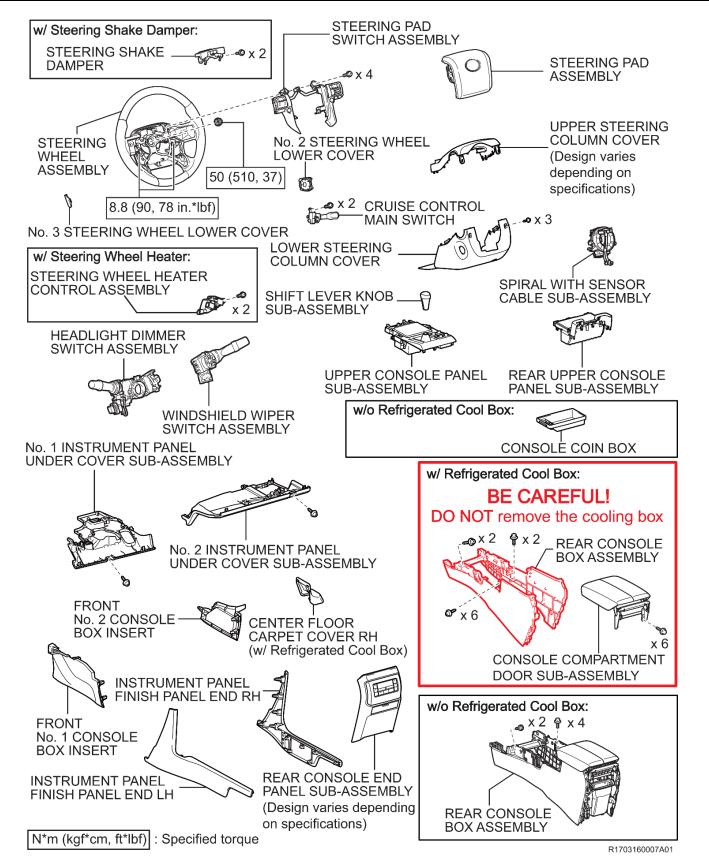
## 2. RUN A DIAGNOSTIC REPORT

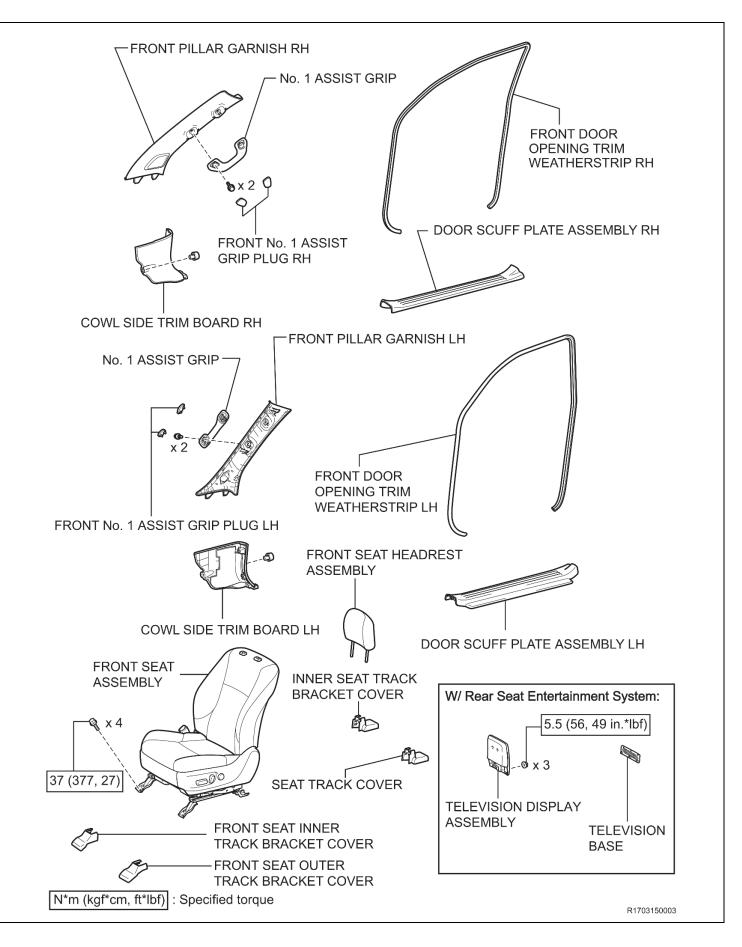
a) After the health check has completed, run a diagnostic report by clicking on the link on the health check screen.

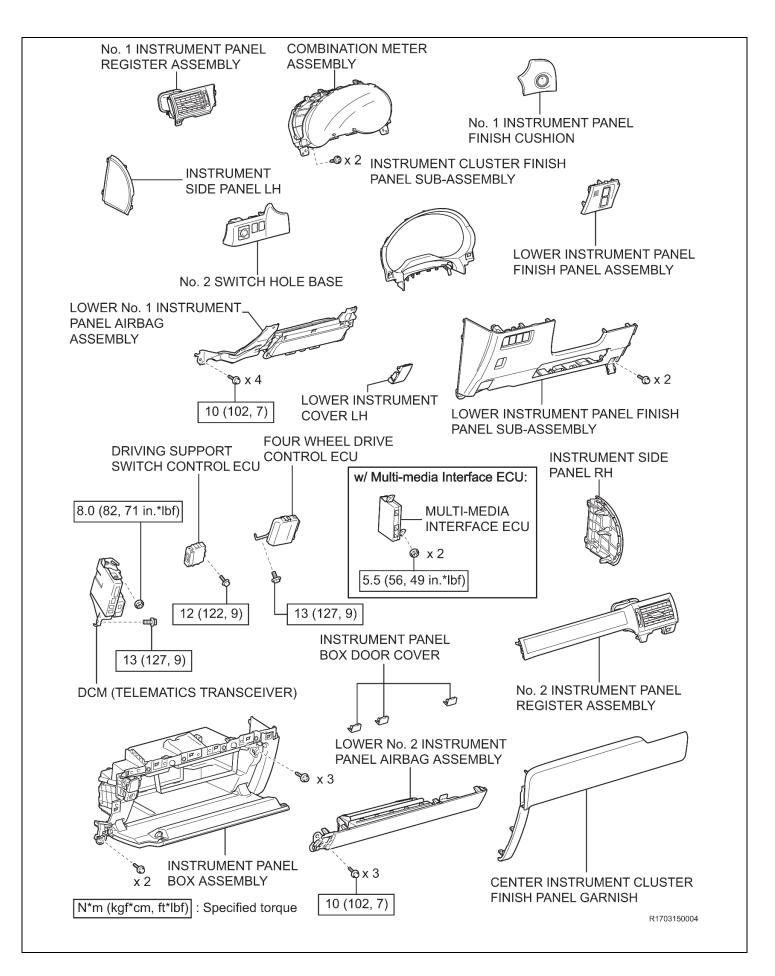


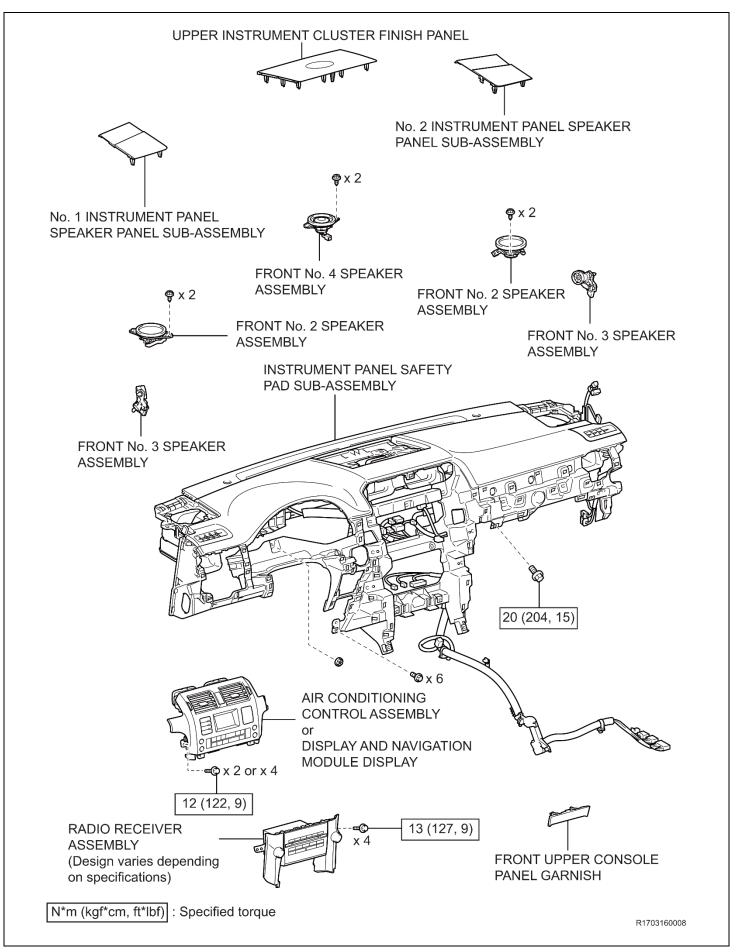
• This campaign only covers replacement of the passenger dash airbag. If other SRS repairs are needed they are NOT covered under this campaign.

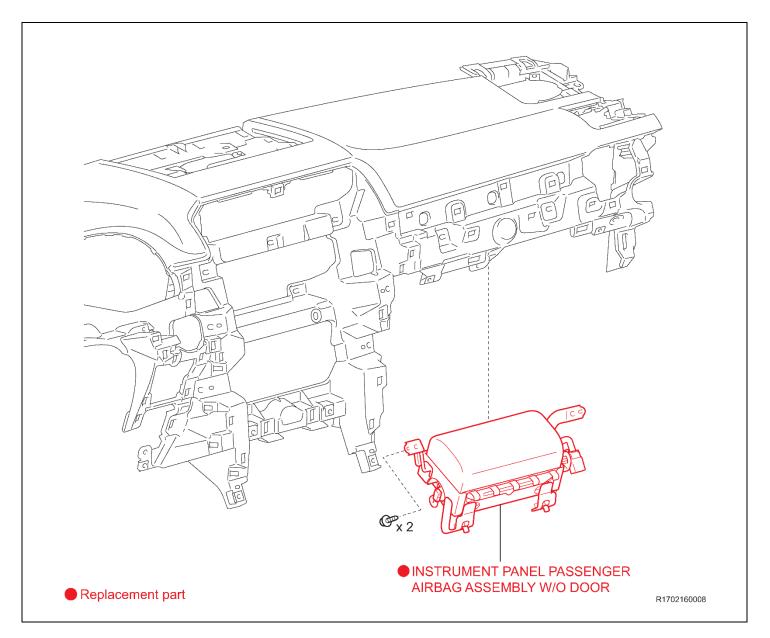
# VII. FRONT PASSENGER AIRBAG REMOVAL COMPONENTS











#### 1. REMOVE THE AIRBAG MODULE



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

a) Refer to TIS for removal instructions.

NOTE: For vehicles equipped with a cool box DO NOT DISCONNECT THE REFRIGERANT HOSES refer to the APPENDIX for information about removing and installing the center console.

2010 MY 2011 MY

# VIII. AIRBAG RECORDING

## 1. LAUNCH THE SERIAL NUMBER RECORDING APPLICATION

Note: The Serial Number Recording Application is the same application used for a prior campaign.

- The AIRBAG ASSEMBLY serial numbers MUST be recorded using a 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 airbag 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.

Enter a 17 Digit VIN below to search	for applicable information:		
V. 1 1NX BR32E 000000000	Clear Lookup		
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 - FREMONT PLANT - NUMMI	
VIN: 1NX -BR32E-000000000	Standard Equipment: Click here	to display	
Exterior Color: 03M5, SANDRIFT	METALLIC	Interior Color: FA41, FA41	
		Interior Trim Color: FA, *	Interior Fabric: F, *
Vehicle accessories are not current	ly available. Try your query again later.		
Campaign Service History	Warranty DTC History Dia	gnostic Report	
Service Campaign			
Comparing Descriptions Solds 1			ditudes webides 2000 2000 Medel Mare
Campaign Description: Safety H	Front Passenger Motice - 2003-2004 Mot	del Year Corolla, Corolla Matrix, Sequoia, an	d Tundra Vehicles, 2002-2003 Model Year

d) Reenter TIS password in the serial number recording application.

#### NOTE: The person logged-in to TIS <u>MUST</u> be the person performing the repair.

Front Passe	enger A	irbag Inflat	or Module - S	Safety Recall
				Jurcey Recuit
		SSC - D	SF	
				(12345)
				00000
er ID: SuzukiR			Technician Nam	e: Russell Suzuki
aler Code:			Dealer Name:	
me: 06/10/2014 02:07 PM PDT			Airbag Serial #:	
iginal Inflator Serial #:			Replacement In	flator Serial #:
	VIN: STD	BT444	in BEIGE M. M.]	
	- C	Mileage*		
Task	Dealer	User	Time	Status
Airbag # Record				Not Started Not Started
				Not Started
Terms & Conditions New Airbag #				Not Started

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

#### NOTE:

- A task status screen will populate next and at other intervals during the repair. This screen will indicate if the airbag was replaced. Click 'next' to proceed to the next step. This information will be used for record keeping by TMNA.
- 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

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 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

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

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

b) Click next.

NOTE:

- If 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

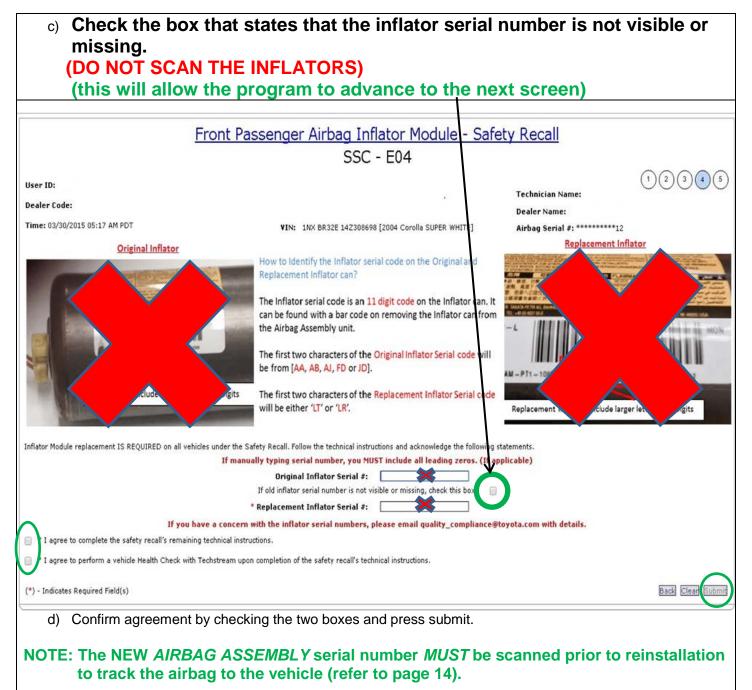
- The airbag serial number is *ALWAYS* the 12 *DIGITS* located between the asterisks.
- The 3 digits before the asterisk *ARE NOT* part of the serial number, and *SHOULD NOT* be entered or an inaccurate response may be returned.

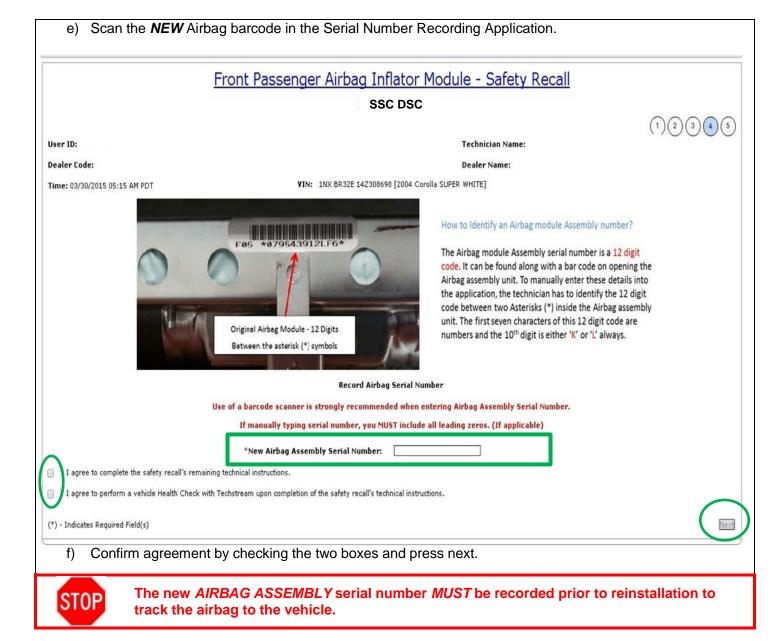
Airbag Serial Number Label Example



The AIRBAG ASSEMBLY serial number MUST be recorded prior to replacement.

User D:       Technician Name:         Dealer Code:       Dealer Name:         Time: 03/30/2015 05:15 AM PDT       VIN: 1NK BR32E 142308998 [2004 Corolla SUPER WHITE]         Image: Distribution of the parameter of the paramete		SSC DSC		
Time: 03/30/2015 05:15 MPDTYIX: 1XX BR32E 142308698 [2004 Corolla SUPER WHTE]How to Identify an Airbag module Assembly number:F 05 * 079543912LF 05*Colspan="2">Colspan="2"Colspan="2">Colspan="2" <td <="" colspan="2" td<="" th=""><th></th><th></th></td>	<th></th> <th></th>			
How to identify an Airbag module Assembly number?How to identify an Airbag module Assembly serial number is a 12 digit code. It can be found along with a bar code on opening the Airbag assembly unit. To manually enter these details into the application, the technician has to identify the 12 digit code between two Asterisks (*) inside the Airbag assembly unit. The first seven characters of this 12 digit code are numbers and the 10th digit is either "K" or "L" always.Record Airbag Serial NumberUse of a barcode scancer is strongly recommended when entering Airbag Assembly Serial Number.				
		Fø6       +@29643912LF6*         Original Airbag Module - 12 Digits       The Airbag module Assembly serial number is a 12 digit         Original Airbag Module - 12 Digits       The Airbag module Assembly unit. To manually enter these details into the application, the technician has to identify the 12 digit code are numbers and the 10 <sup>th</sup> digit is either 'K' or 'L' always.         Between the asterisk (*) symbols       Record Airbag Serial Number		
If manually typing serial number, you MUST include all leading zeros. (If applicable)	Use of			
*Airbag Assembly Serial Number: *Reconfirm Airbag Assembly Serial Number:		*Airbag Assembly Serial Number:		

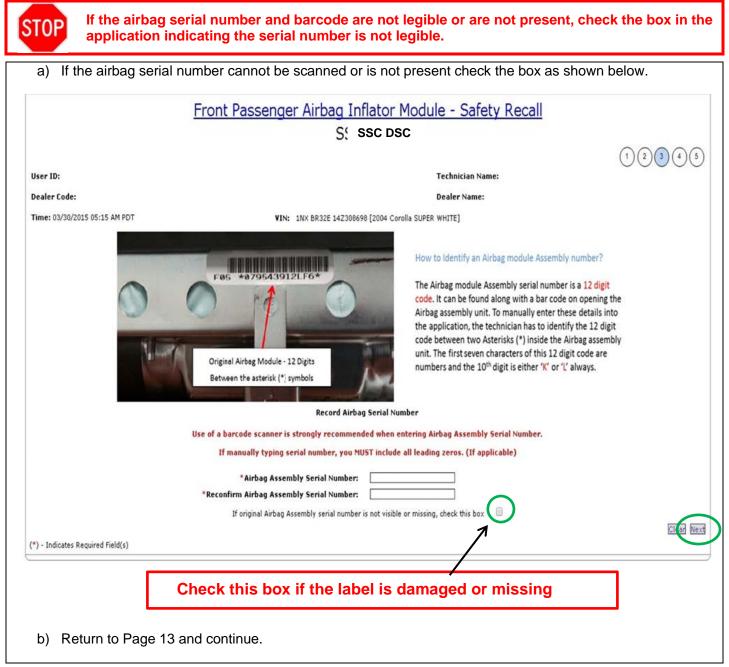




3 I SuzukiR - Google Chrome	
t3qa.tms.toyota.com/t3Portal/portlets/tis/airBag/A	irBagController.portlet?_nfpb=true&_windowLabel=Standal
Front Passenger Airbag In	flator Module - Safety Recall 👘 🖨
SS	C - DSF
	12345
User ID: SuzukiR	Technician Name: Russell Suzuki
Dealer Code:	Dealer Name:
Time: 06/10/2014 05:13 PM PDT	Airbag Serial #: *******96
Original Inflator Serial #: AAEL5110212	Replacement Inflator Serial #: AAEL5110213
Russell Suzuki has successfully confirmed	am upon completion of the safety recall's technical instructions. completion of Airbag Inflator Module Safety Recall for 7291 [2003 Sequoia BEIGE M. M.]
Russell Suzuki has successfully confirmed VIN - 5TD BT44A 335157	
Russell Suzuki has successfully confirmed VIN - 5TD BT44A 33S157 Warranty Auth	completion of Airbag Inflator Module Safety Recall for 7291 [2003 Sequoia BEIGE M. M.]
Russell Suzuki has successfully confirmed VIN - 5TD BT44A 33S157 Warranty Auth Airbag inflator module war	completion of Airbag Inflator Module Safety Recall for 7291 [2003 Sequoia BEIGE M. M.] norization #: b5511e9f
Russell Suzuki has successfully confirmed VIN - 5TD BT44A 33S157 Warranty Auth Airbag inflator module wa	completion of Airbag Inflator Module Safety Recall for 7291 [2003 Sequoia BEIGE M. M.] norization #: b5511e9f s replaced under this safety recall.
Russell Suzuki has successfully confirmed VIN - 5TD BT44A 33S157 Warranty Auth Airbag inflator module wa	completion of Airbag Inflator Module Safety Recall for 7291 [2003 Sequoia BEIGE M. M.] norization #: b5511e9f s replaced under this safety recall. and then click 'Close' to resume working. Close S.

- ٠
- 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



# IX. VEHICLE REASSEMBLY

### 1. INSTALL THE NEW AIRBAG ASSEMBLY INTO THE INSTRUMENT PANEL

- 2. REINSTALL THE DASH
  - a) Refer to TIS for reinstallation instructions

NOTE: Refer to the APPENDIX to reinstall the center console for vehicles equipped with a cool box.

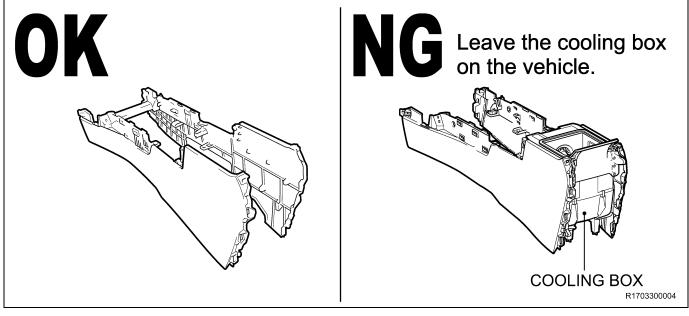
- 3. RECONNECT THE NEGATIVE BATTERY CABLE
- 4. PERFORM A HEALTH CHECK AND DIAGNOSTIC REPORT
- 5. PERFORM ANY NEEDED SYSTEM INTIALZATIONS

# ◄ 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 airbag is handled safely and given to the appropriate parts professional for shipment If you have any questions regarding this update, please contact your area representative.

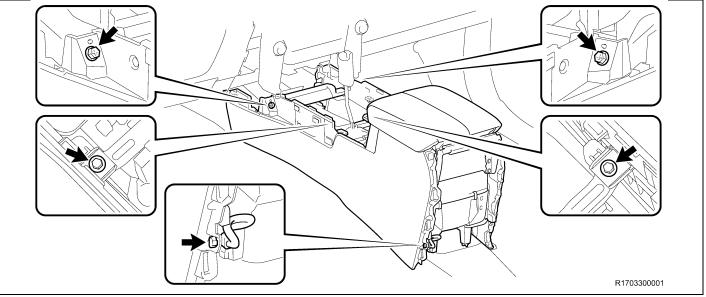
# X. APPENDIX

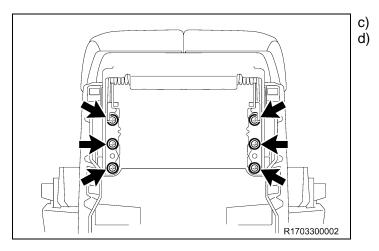
- A. COOL BOX TRIM REMOVAL AND INSTALLATION
  - NOTE: The trim around the cool box can be removed and installed without disconnecting the refrigerant lines.



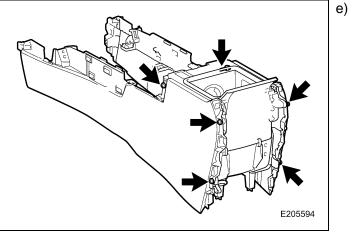
# 1. REMOVE THE CONSOLE BOX

- a) Remove the 2 bolts and 2 screws.
- b) Disengage the clamp.

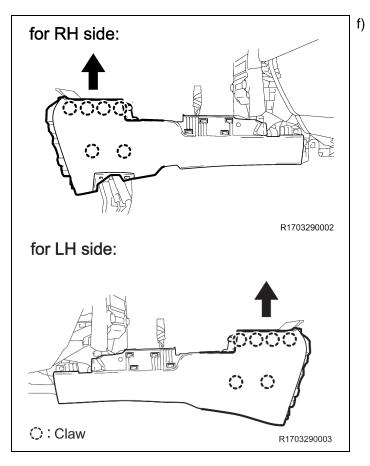




- Remove the 6 screws.
- Remove the console door.



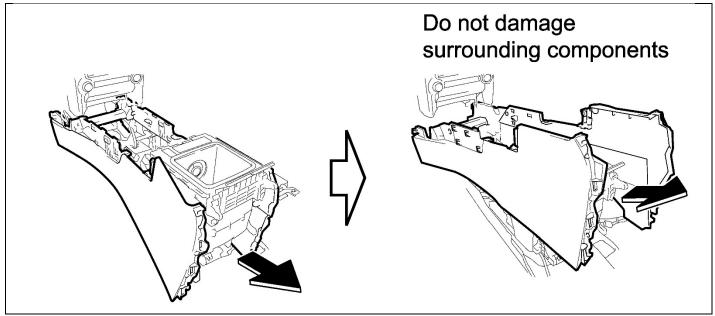
Remove the 6 screws.



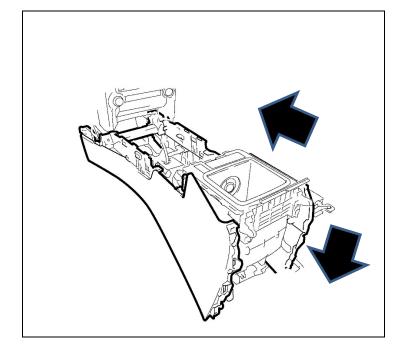
Disengage the 6 claws on each side of the console as shown.

NOTE: DO NOT DAMAGE the surrounding interior components while removing the console box.

g) Pull the console box towards the rear of the vehicle, then lift the rear of the box as shown, and remove from vehicle.

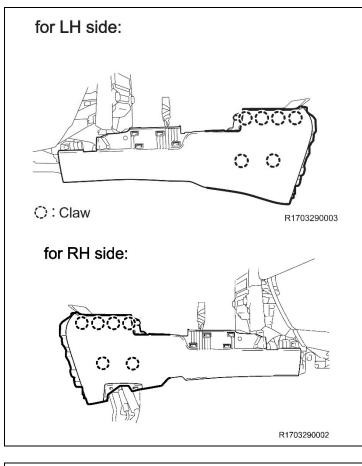


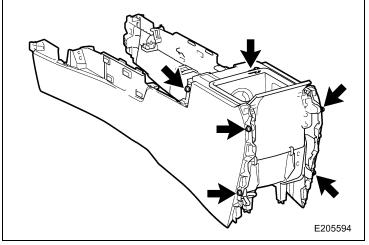


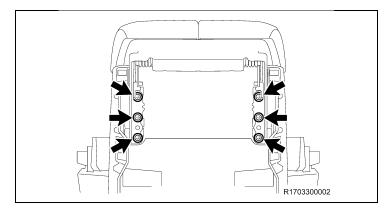


a) Install the front of the console box with rear section lifted as shown.

b) Lower the rear of the box and then slide it forward.





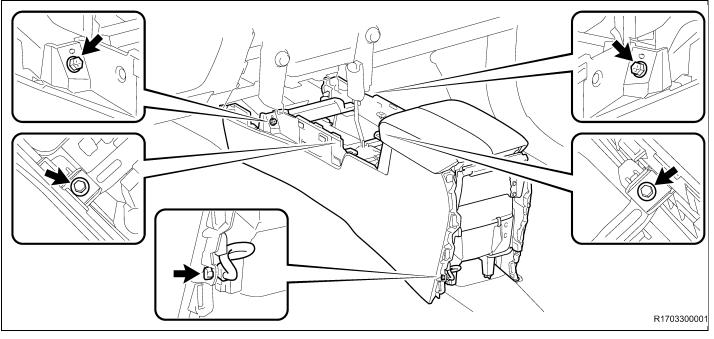


c) Reengage the 6 claws on each side of the console as shown.

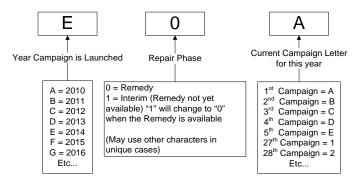
d) Reinstall the 6 screws.

- e) Reinstall the console door.
- f) Reinstall the 6 screws

- g) Reengage the clamp.
- h) Reinstall the 2 bolts and 2 screws.



## **B. 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

## C. CAMPAIGN PARTS DISPOSAL

**ALL** airbags that are removed from vehicles under this campaign **MUST** be packaged and shipped back to the 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