

IMPORTANT UPDATE

TECHNICAL INSTRUCTIONS FOR SAFETY RECALL GLH FRONT PASSENGER AIRBAG INFLATOR REPLACEMENT CERTAIN 2007 – 2010 MY ES 350

UPDATED 1-9-2018

Update 1-9-2018
- Added 2010 MY

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:

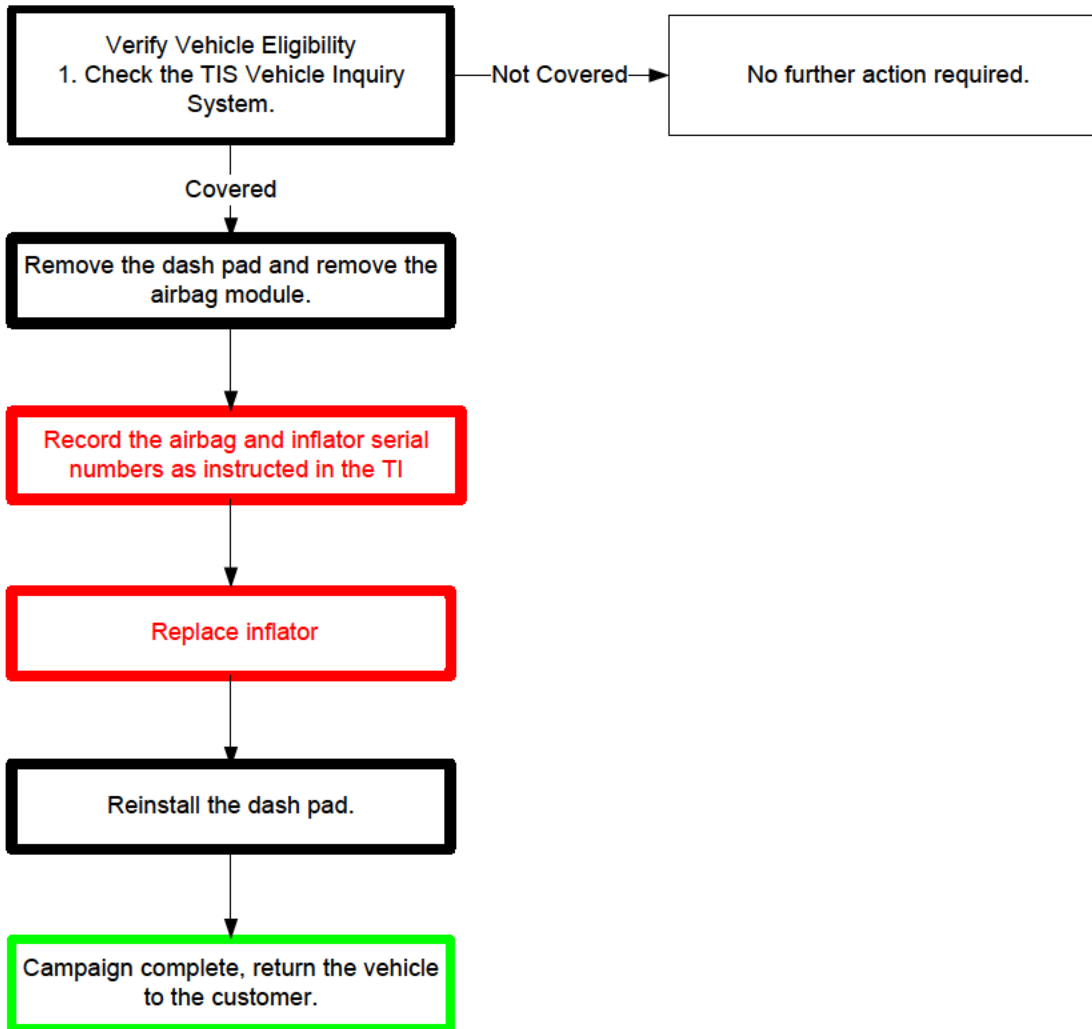
- MASTER SERVICE TECHNICIANS
- MASTER DIAGNOSTIC SPECIALISTS

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 at least 36 months Lexus experience AND L652 course credit, may also perform this repair following successful completion of course LSC13B.

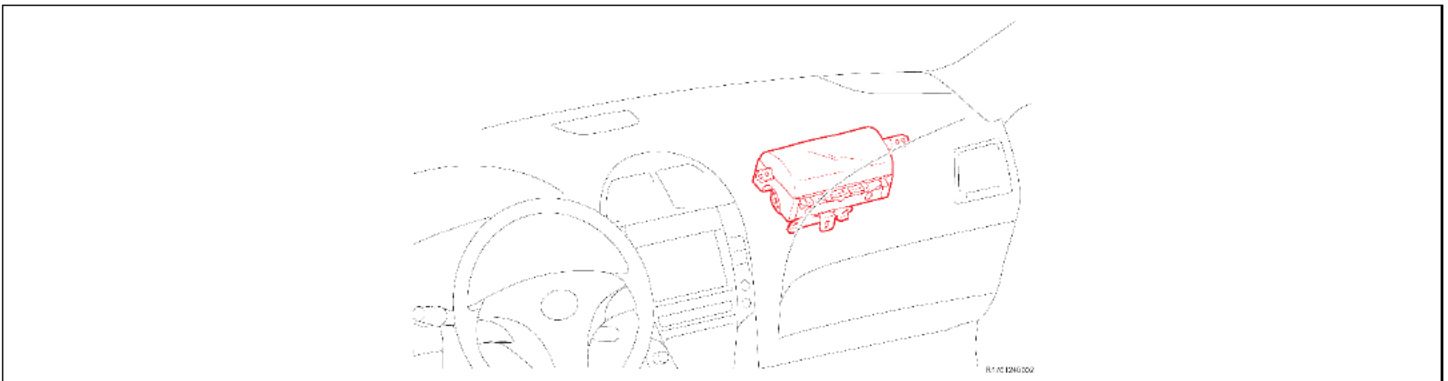
I. OPERATION FLOW CHART

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
04006-49233	Instrument Panel Passenger Airbag (Instructions for this part are in the module replacement TI)	1
04006-66108*	Front Pillar Garnish Kit (*kit contains 2 clips)	1

If using the part mentioned above, follow the instructions in the Module replacement TI

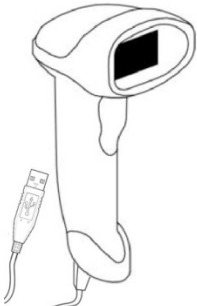
OR

Part Number	Part Description	Quantity
04007-06733	Instrument Panel Passenger Airbag Inflator Kit	1
04006-66108*	Front Pillar Garnish Kit (*kit contains 2 clips)	1

B. TOOLS & EQUIPMENT

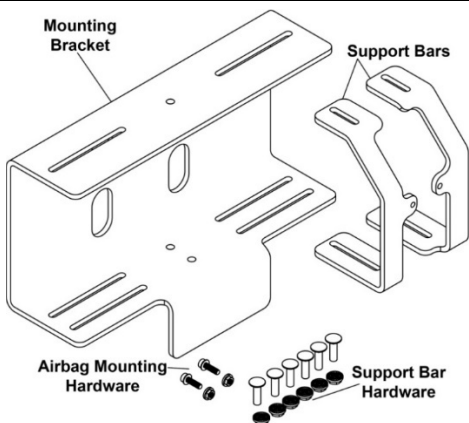
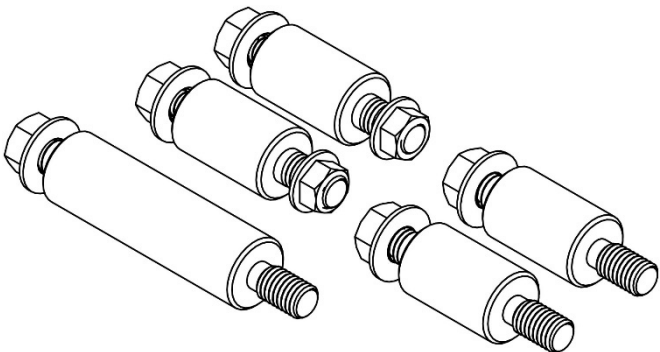
- Standard hand tools
- Torque wrench
- Techstream
- Molding remover set

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

Image	Name	Quantity
	Barcode Scanner	1

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

DLC CAMPAIGN TOOLS – These tools are required when performing this repair.

Image	Name	Quantity
	Airbag Mounting Bracket & hardware (Provided to the dealership at the launch of SSC DLC)	1
	579943 Adaptor set*	1

*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

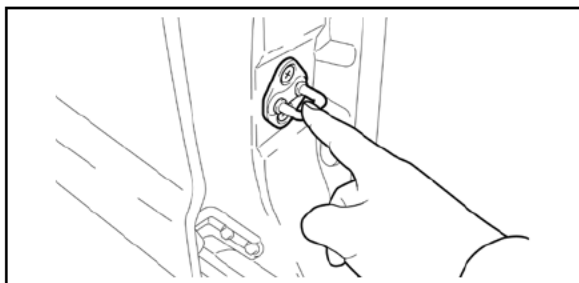
V. SAFETY PRECAUTIONS



CRITICAL INFORMATION – READ THOROUGHLY



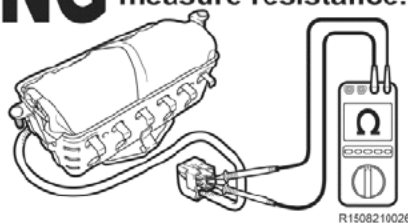
Failure to follow these procedures correctly could cause the SRS to unexpectedly deploy during servicing or the SRS may fail to operate correctly when required after reassembly. Confirm all work is performed as described in these instructions.



1. ELIMINATE STATIC ELECTRICITY

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

NG DO NOT measure resistance.

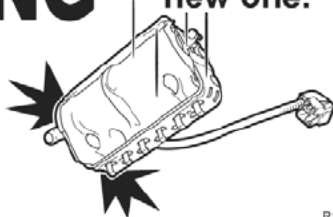


R1508210026

2. DO NOT MEASURE RESISTANCE

- NEVER** measure the resistance of an airbag, this may cause accidental activation.

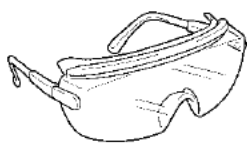
NG Replace with new one.



R1508210027

3. HANDLE THE AIRBAG CAREFULLY

- If the airbag is dropped, replace it with a **NEW** one.



Wear protective eye wear and work gloves.

4. WEAR PROTECTIVE EQUIPMENT

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

VI. SRS SYSTEM HEALTH CHECK

1. PERFORM A HEALTH CHECK

- Confirm the Techstream is connected to the dealership's internet.
- 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.

- 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

- 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.

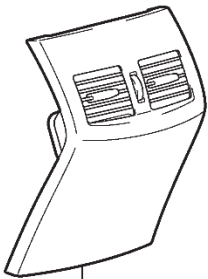
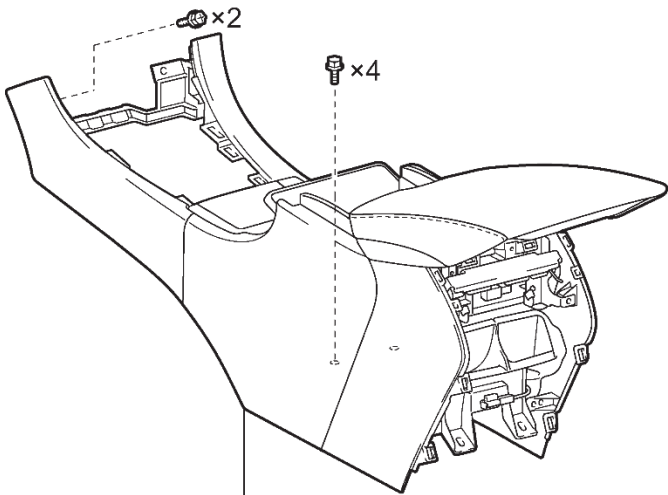
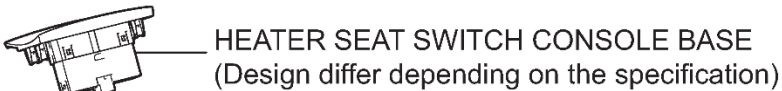
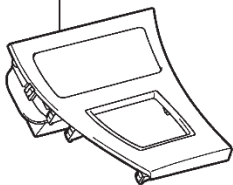


- A health check and diagnostic report with the VIN *MUST* be performed within the last 36 hours, and recorded by TMS. If the diagnostic report is not run, the healthcheck will not be recognized by TMS.**
- The serial number recording application will be disabled and the repair cannot be completed if a health check and diagnostic report is not performed and recorded by TMS.**
- This campaign only covers replacement of the passenger dash airbag. If other SRS repairs are needed they are NOT covered under this campaign.**

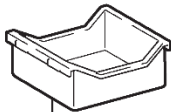
VII. FRONT PASSENGER AIRBAG REMOVAL
COMPONENTS



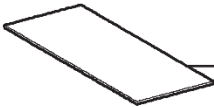
UPPER CONSOLE PANEL ASSEMBLY
WITH FRONT ASH RECEPTACLE



CONSOLE REAR END PANEL SUB-ASSEMBLY

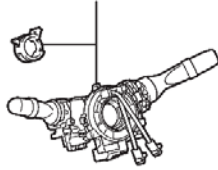


CONSOLE BOX POCKET
(Design differ depending on the specification)



CONSOLE BOX CARPET

TURN SIGNAL SWITCH ASSEMBLY
WITH SPIRAL CABLE SUB-ASSEMBLY



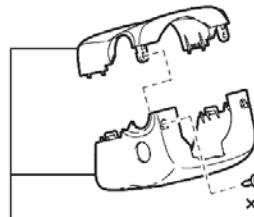
TILT AND TELESCOPIC SWITCH



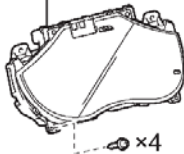
2.0 (20, 18 in.*lbf)

x2

STEERING COLUMN COVER



COMBINATION
METER ASSEMBLY



x4

STEERING WHEEL ASSEMBLY



50 (510, 37)

LOWER No. 3 STEERING
WHEEL COVER

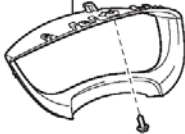


8.8 (90, 78 in.*lbf)

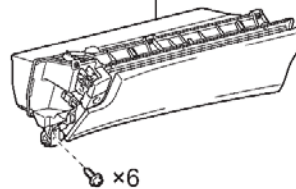
LOWER No. 2 STEERING
WHEEL COVER



INSTRUMENT CLUSTER
FINISH PANEL SUB-ASSEMBLY



LOWER INSTRUMENT PANEL RH

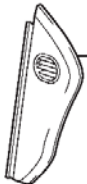


x6

STEERING PAD

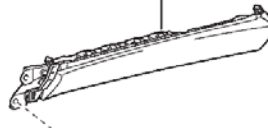


SIDE INSTRUMENT
PANEL LH



No. 1 SWITCH HOLE BASE

FRONT PASSENGER SIDE
KNEE AIRBAG ASSEMBLY



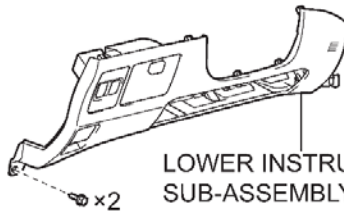
x3

10 (102, 7)

SIDE INSTRUMENT
PANEL RH



LOWER INSTRUMENT PANEL
SUB-ASSEMBLY



x2

FRONT DOOR OPENING
TRIM COVER RH



FRONT DOOR OPENING
TRIM COVER LH



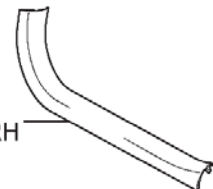
INSTRUMENT PANEL
FINISH PANEL END LH



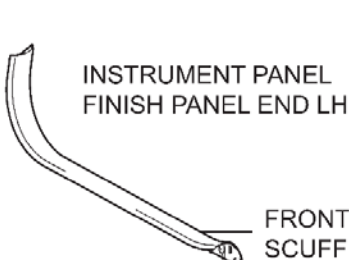
INSTRUMENT PANEL
FINISH PANEL END RH



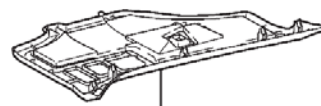
FRONT DOOR
SCUFF PLATE RH



FRONT DOOR
SCUFF PLATE LH



No.2 INSTRUMENT PANEL
UNDER COVER SUB-ASSEMBLY

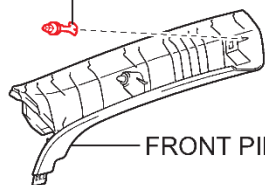


N*m (kgf*cm, ft*lbf) : Specified torque

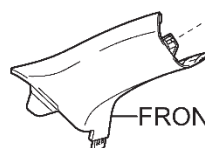
R1701240005

● FRONT PILLAR GARNISH CLIP

● FRONT PILLAR GARNISH CLIP



FRONT PILLAR GARNISH LH



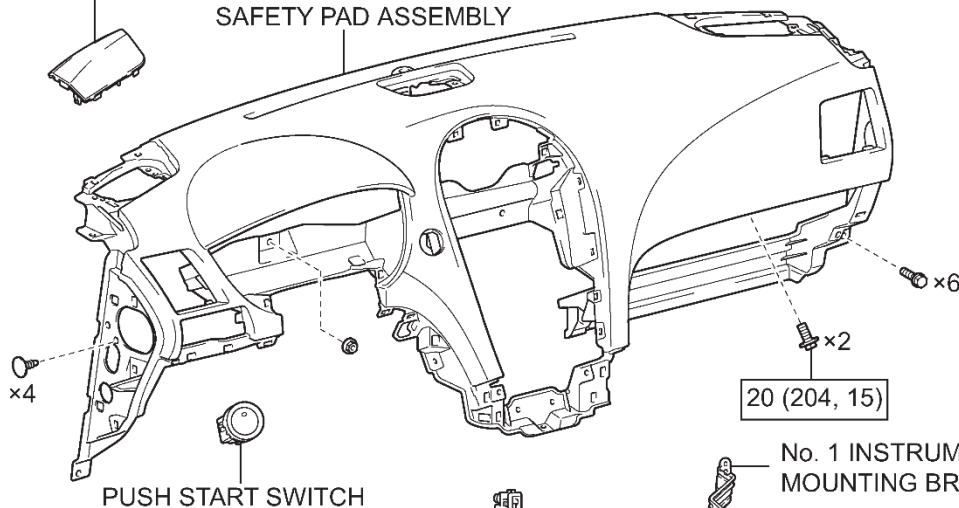
FRONT PILLAR GARNISH RH

No. 1 INSTRUMENT PANEL SPEAKER
PANEL SUB-ASSEMBLY

No. 1 SPEAKER HOLE COVER

No. 2 INSTRUMENT PANEL SPEAKER
PANEL SUB-ASSEMBLY

INSTRUMENT PANEL
SAFETY PAD ASSEMBLY



FRONT STEREO COMPONENT
SPEAKER ASSEMBLY
(Design differ depending on the specification)

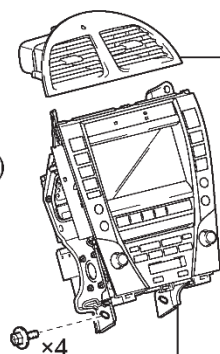
FRONT No. 2 SPEAKER ASSEMBLY
(Design differ depending on the specification)

FRONT No. 2 SPEAKER ASSEMBLY
(Design differ depending on the specification)

No. 2 INSTRUMENT PANEL
REGISTER ASSEMBLY

No. 1 INSTRUMENT PANEL
REGISTER ASSEMBLY

No. 3 INSTRUMENT PANEL
REGISTER ASSEMBLY



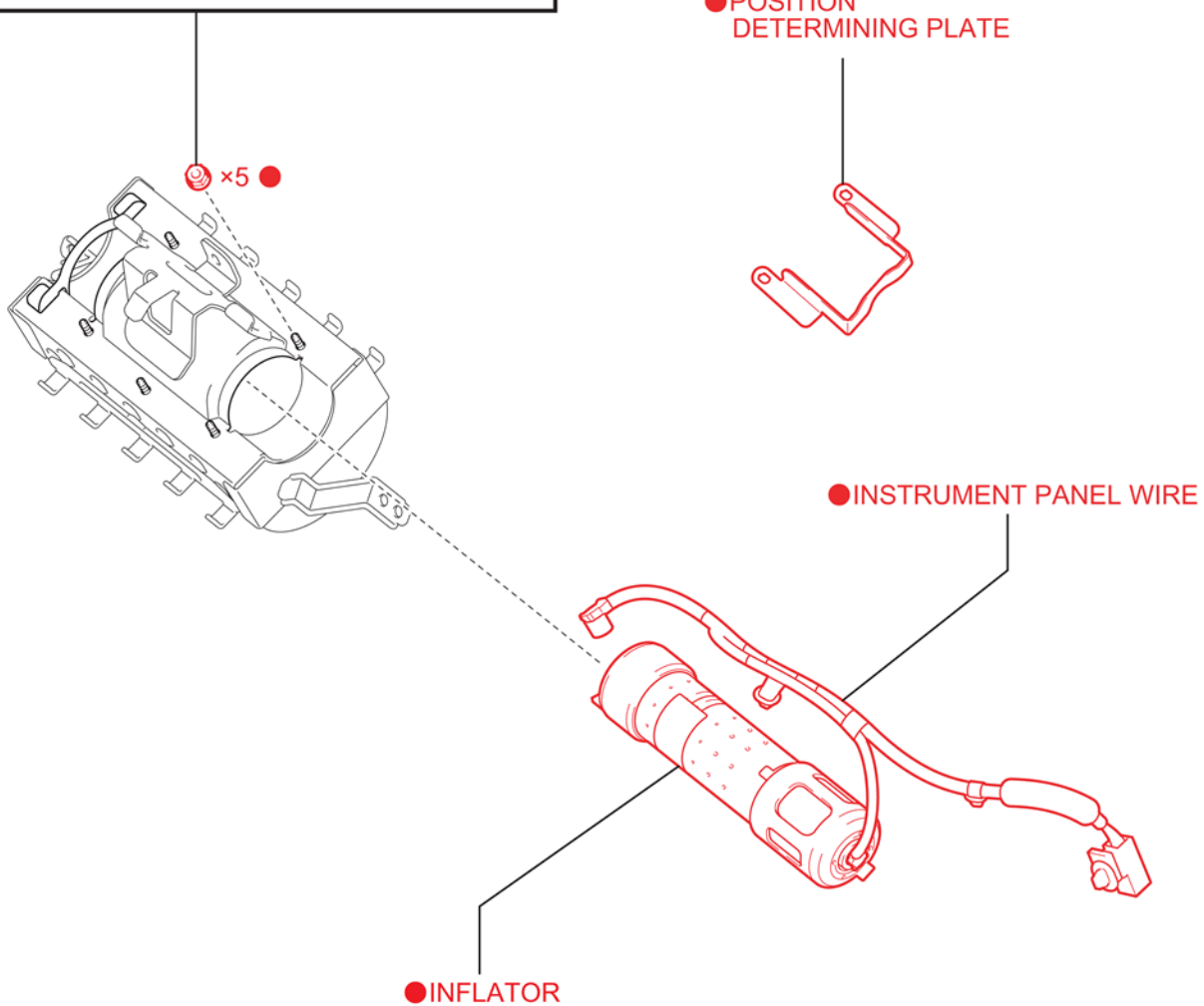
INTEGRATION CONTROL PANEL or
MULTI-DISPLAY or
DISPLAY AND NAVIGATION MODULE DISPLAY
WITH RADIO RECEIVER ASSEMBLY

● Replacement part

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

R1701240006

3.9 N·m (40, 35 in.*lbf)
Be careful not to
overtighten.



● : Replacement part

R1707250018A01

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.

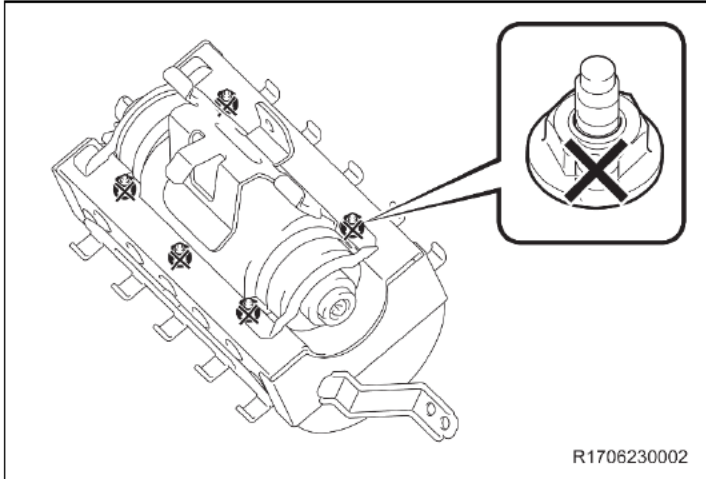
[2007 MY](#)

[2008 MY](#)

[2009 MY](#)

[2010 MY](#)

2. REMOVE THE INFLATOR FROM THE AIRBAG MODULE



1. REMOVE THE INFLATOR

a) Mark the 5 self locking nuts to prevent reuse.

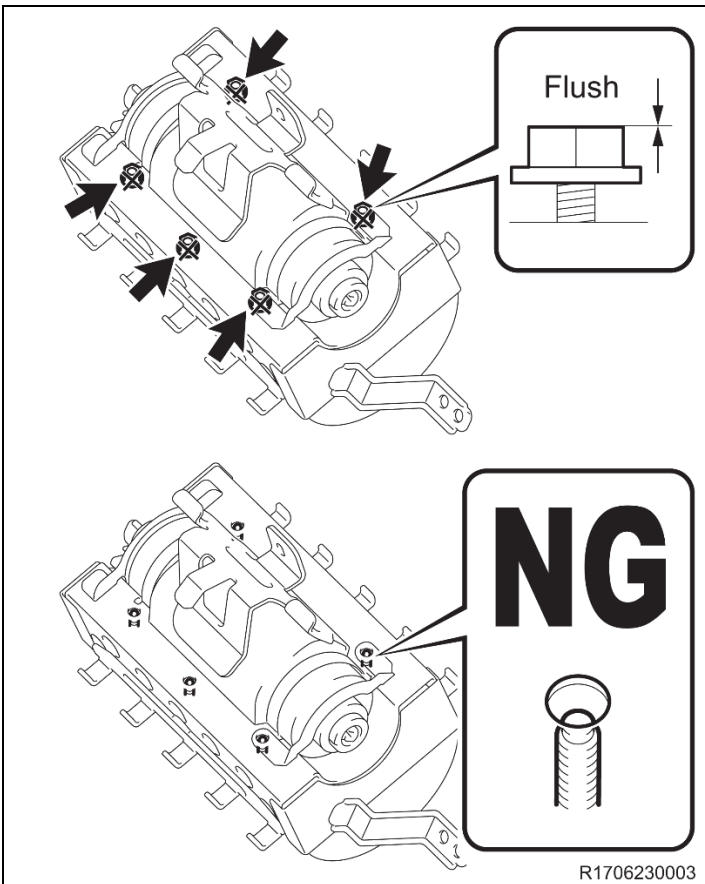


- b) Mount the adaptors (579943-3R3) to the airbag as shown.

NOTE: The 6mm stud mounts to the airbag.

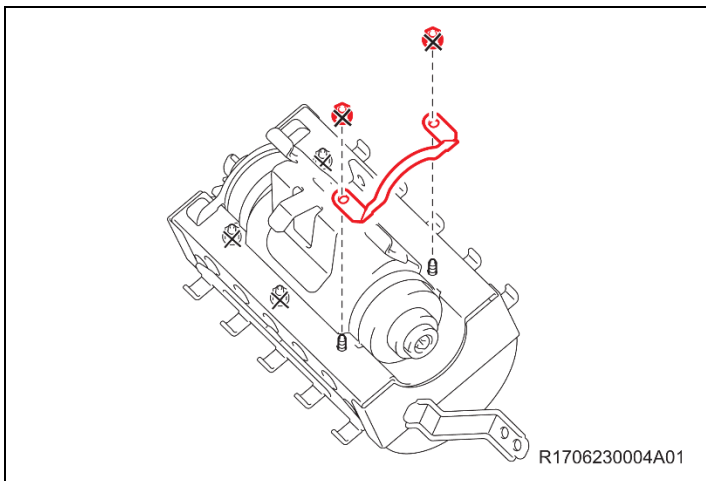


- c) Mount the airbag to the mounting bracket as shown.



- d) Loosen the 5 nuts until each nut is flush with the top of the stud as shown.

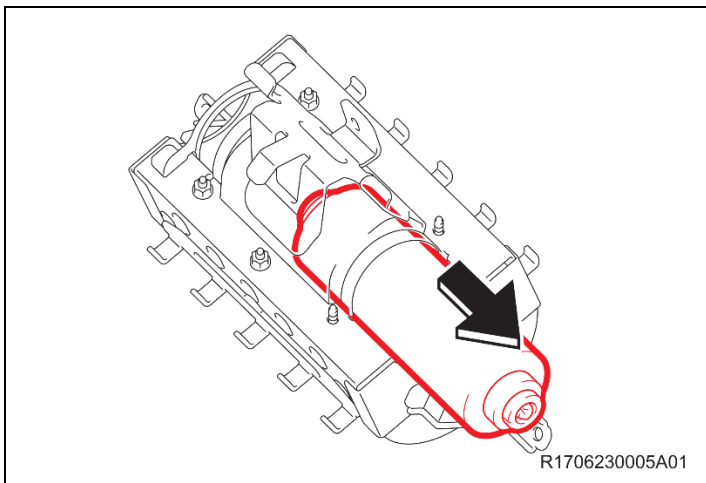
NOTE: You may need to slide the airbag to the left or right to access the middle nut. DO NOT use power tools to remove the nuts.



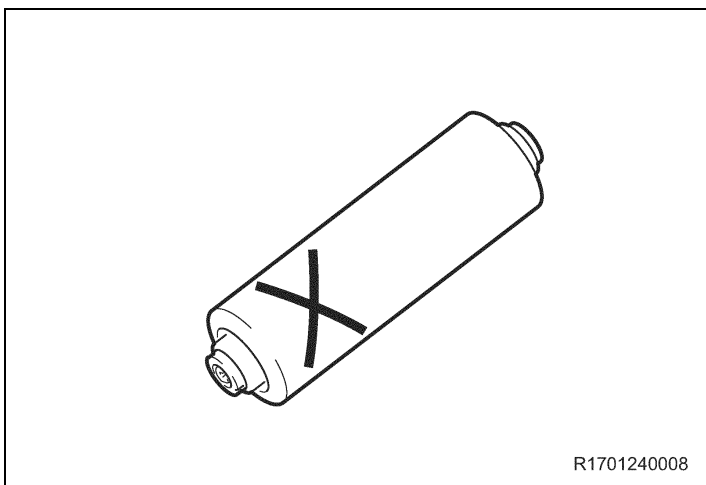
- e) Loosen and discard the 2 nuts on the end where the positioning plate is removeable.
- f) Remove and discard the plate.

NOTE:

***DO NOT* use power tools.**



- g) Remove the inflator.



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

1. LAUNCH THE SERIAL NUMBER RECORDING APPLICATION



- The 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**

2013 Toyota Motor Sales, Inc. [Feedback](#) [Privacy](#) [Legal](#)

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

- NOTE:**

- [illegible]

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

ATTENTION: This information is **CRITICAL**

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

NOTE:

- If both 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.

Front Passenger Airbag Inflator Module - Safety Recall

SSC DSC

1 2 3 4 5

User ID:

Technician Name:

Dealer Code:

Dealer Name:

Time: 03/30/2015 05:15 AM PDT

VIN: 1NX BR32E

[2004 Corolla SUPER WHITE]



Record Airbag Serial Number

Use of a barcode scanner is strongly recommended when entering Airbag Assembly Serial Number.

If manually typing serial number, you MUST include all leading zeros. (If applicable)

*Airbag Assembly Serial Number:

*Reconfirm Airbag Assembly Serial Number:

If original Airbag Assembly serial number is not visible or missing, check this box: ☐

(*) - Indicates Required Field(s)

Clear Next

Front Passenger Airbag Inflator Module - Safety Recall

SSC - E04

1 2 3 4 5

User ID:

Dealer Code:

Time: 03/30/2015 05:17 AM PDT

VIN: 1NX BR32E

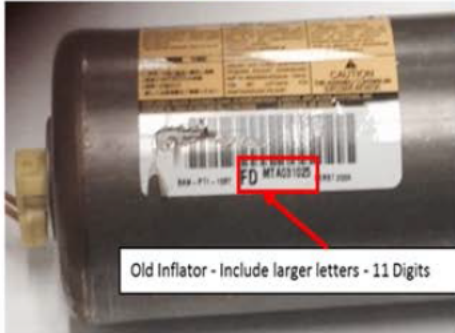
[2004 Corolla SUPER WHITE]

Technician Name:

Dealer Name:

Airbag Serial #: *****12

Original Inflator



How to Identify the Inflator serial code on the Original and Replacement Inflator can?

The Inflator serial code is an 11 digit code on the Inflator can. It can be found with a bar code on removing the Inflator can from the Airbag Assembly unit.

The first two characters of the Original Inflator Serial code will be from [AA, AB, AJ, FD or JD].

The first two characters of the Replacement Inflator Serial code will be either 'LT' or 'LR'.

Replacement Inflator



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 #:

If old inflator serial number is not visible or missing, check this box. ☐

Replacement Inflator Serial #:

If you have a concern with the inflator serial numbers, please email 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(s)

Back Clear Submit

c) Confirm agreement by checking the two boxes and press submit.

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=Standalc

Front Passenger Airbag Inflator Module - Safety Recall

SSC - DSF

1 2 3 4 5

User ID: SuzukiR
Dealer Code:
Time: 06/10/2014 05:13 PM PDT
Original Inflator Serial #: AAEL5110212

Technician Name: Russell
Dealer Name:
Airbag Serial #: *****96
Replacement Inflator Serial #: AAEL5110213

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 - 5TD BT44A [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.

Close

e) Confirm agreement by checking the two boxes.

f) Place the old airbag in the parts box and return it 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 with details.

AIRBAG SERIAL NUMBER IS MISSING OR IS UNREADABLE



If the airbag serial number and barcode are not legible or are not present, check the box in the application indicating the serial number is not legible.

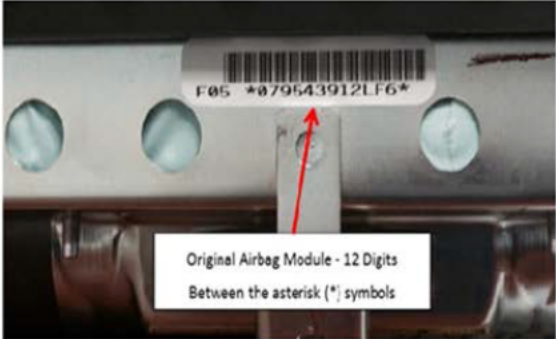
a) If the airbag serial number cannot be scanned or is not present check the box as shown below.

Front Passenger Airbag Inflator Module - Safety Recall
SSC DSC

1 2 3 4 5

User ID: _____ Technician Name: _____
Dealer Code: _____ Dealer Name: _____

Time: 03/30/2015 05:15 AM PDT VIN: 1NX BR32E 2004 Corolla SUPER WHITE]



How to Identify an Airbag module Assembly number?

The 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 Number

Use of a barcode scanner is strongly recommended when entering Airbag Assembly Serial Number.
If manually typing serial number, you MUST include all leading zeros. (If applicable)

* Airbag Assembly Serial Number:
* Reconfirm Airbag Assembly Serial Number:

If original Airbag Assembly serial number is not visible or missing, check this box ☐

(*) - Indicates Required Field(s)

Clear Next

Check this box if the Airbag serial number is not legible.
Note: Contact your area office in the event you are unable to read the serial number
DO NOT ATTEMPT TO INSTALL THE INFLATOR

- b) After the Area office approves the Airbag replacement and the new part is received, scan the new Airbag barcode in the Serial Number Recording Application.

Front Passenger Airbag Inflator Module - Safety Recall

SSC DSC

12345

User ID:
Dealer Code:
Time: 03/30/2015 05:15 AM PDT

Technician Name:
Dealer Name:
VIN: 1NX BR32E [2004 Corolla SUPER WHITE]



Original Airbag Module - 12 Digits
Between the asterisk (*) symbols

How to Identify an Airbag module Assembly number?

The 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 Number

Use of a barcode scanner is strongly recommended when entering Airbag Assembly Serial Number.

If manually typing serial number, you **MUST** include all leading zeros. (If applicable)

***New Airbag Assembly Serial Number:**

☐ 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(s)

Next

- c) Confirm agreement by checking the two boxes and press next to advance to the Warranty authorization screen.
- d) Return the old airbag to the parts department.
- e) Proceed to Section IX Step 2.



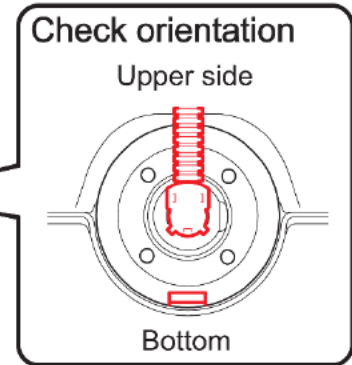
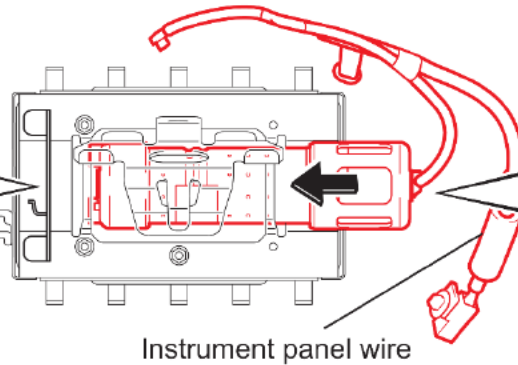
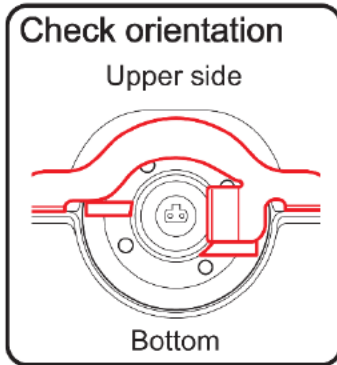
The new **AIRBAG ASSEMBLY** serial number **MUST** be recorded prior to reinstallation to track the airbag assembly to the vehicle.

IX. VEHICLE REASSEMBLY

- a) Install the inflator as shown below and ensure the inflator is oriented in the correct position as shown below.

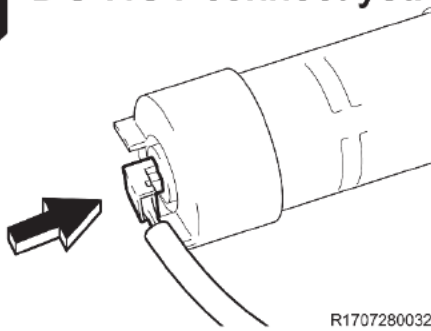


- Make sure to follow the installation procedure carefully as the instrument panel wire connector cannot be disconnected once connected
- Make sure the inflator is correctly positioned.
- The inflator cannot be fully inserted if it is upside down.



R1707250019A02

NG DO NOT connect yet.

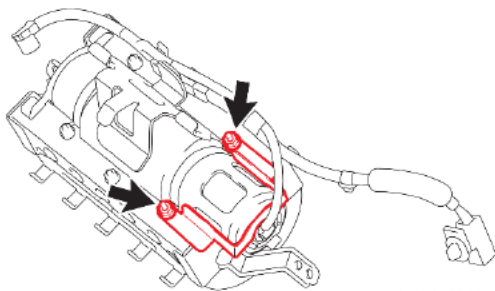


R1707280032



DO NOT connect the airbag connector yet.

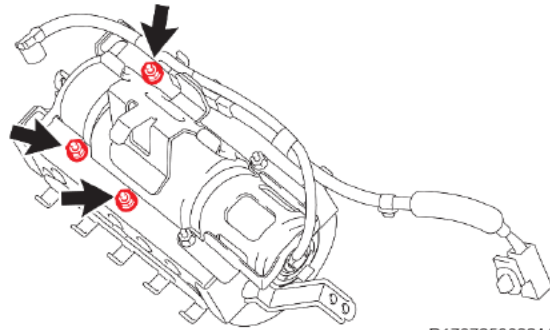
Install temporarily by hand.



R1707250021A01

- f) Install the **NEW** positioner plate.
g) Temporarily install 2 **NEW** nuts.

**Install temporarily
by hand.**



R1707250022A01

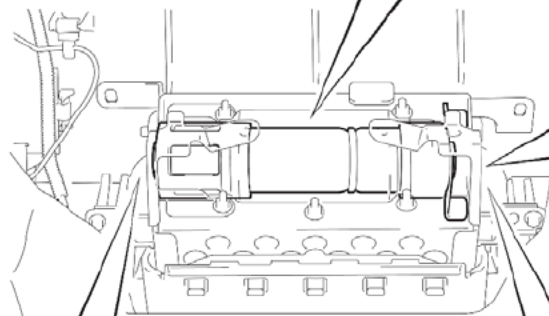
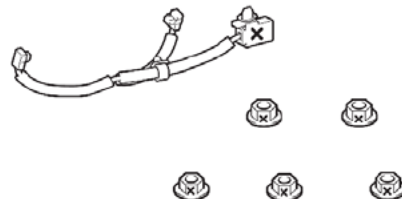
- h) Remove and discard the 3 remaining nuts.
- i) Temporarily install 3 **NEW** nuts.

j) Push the inflator towards the position determining plate and eliminate any gaps.

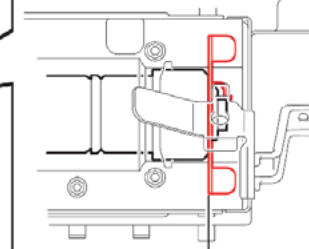


- If any gaps exist, the flats may move apart and could result in abnormal operation during airbag deployment.

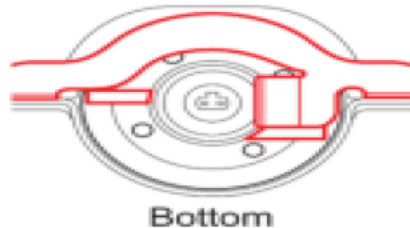
**(a) Replacement
of parts.**



(b) No gap.

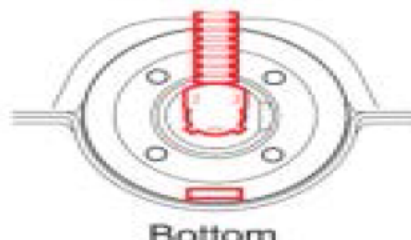


**Check orientation
Upper side**



Bottom

**Check orientation
Upper side**



Bottom

R1701260003Z01

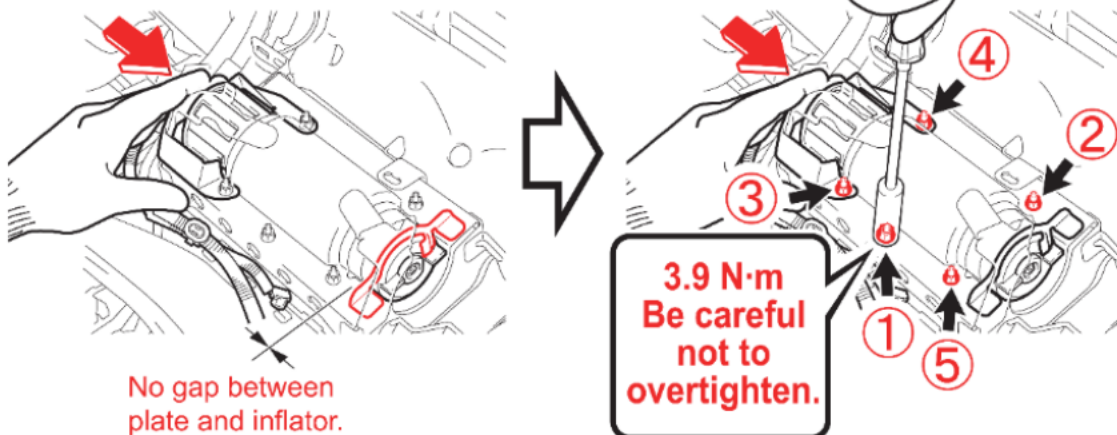
k) Tighten the 5 nuts evenly in several increments in the sequence shown. Use a socket driver or torque wrench to tighten the nuts.

Torque: 35 in. lbf (3.9N·m)



- 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 over torqueing and deforming the studs.
- You may need to slide the airbag to the left or right with in the mounting bracket to access the center nut.

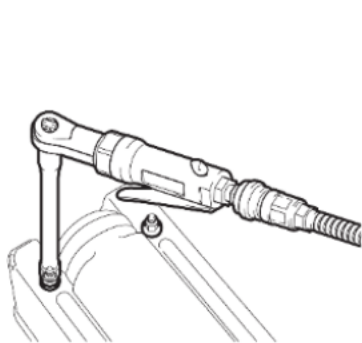
OK



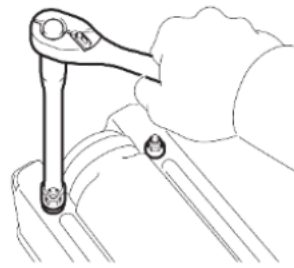
NG

NG

NG



Too Tight!



These tools cause overtightening !

R1701260011Z01

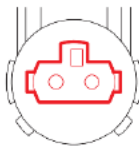
- l) Connect the airbag connector to the instrument panel passenger airbag assembly and then push in the airbag connector lock as shown in the illustration.
- m) Engage the clamp.



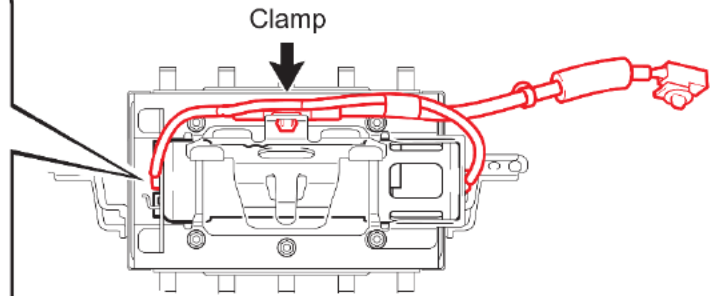
- Make sure to correctly align the connectors before connecting them.
- Make sure that the airbag connector is securely connected.

ALIGN CONNECTORS

Wire Harness Side:



Inflator Side:



R1707280031

X. VEHICLE REASSEMBLY

1. INSTALL THE NEW AIRBAG ASSEMBLY INTO THE INSTRUMENT PANEL

2. REINSTALL THE DASH

a) Refer to TIS for reinstallation instructions

2007 MY	2008 MY	2009 MY	2010 MY
-------------------------	-------------------------	-------------------------	-------------------------

3. RECONNECT THE NEGATIVE BATTERY CABLE

4. PERFORM A HEALTH CHECK AND DIAGNOSTIC REPORT

5. PERFORM ANY NEEDED SYSTEM INITIALIZATIONS

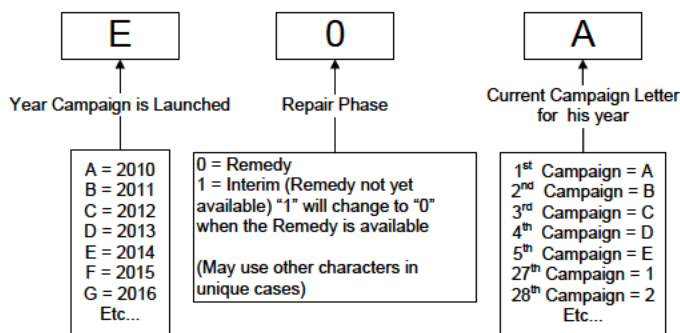
◀ VERIFY REPAIR QUALITY ▶

- 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 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.

XI. APPENDIX

A. CAMPAIGN DESIGNATION DECODER



Examples:

A0D = Launched in 2010, Remedy Phase, 4th Campaign Launched in 2010

B1E = Launched in 2011, Interim Phase, 5th Campaign Launched in 2011

C1C = Launched in 2012, Interim Phase, 3rd Campaign Launched in 2012

B. 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