UPDATE 1-9-18

- Added 2010 MY

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this repair 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 repair are required to currently hold at least one of the following certification levels:

- Toyota Expert (Electrical)
- Master
- Master Diagnostic Technicians

Always check which technicians can perform the recall remedy by logging on to https://www.uotdealerreports.com. 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.

- **Verify Vehicle Eligibility**
  - 1. Check the TIS Vehicle Inquiry System.
  - Not Covered → No further action required.
  - Covered →
    - Remove the passenger airbag assembly.
    - Record the airbag serial numbers as instructed in the TI.
    - Install the new passenger airbag inflator.
    - Campaign complete, return the vehicle to the customer.

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>04007-06812</td>
<td>Instrument Panel Airbag Inflator Kit*</td>
<td>1</td>
</tr>
</tbody>
</table>

* The kit above includes the following parts.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Inflator</td>
<td>1</td>
</tr>
<tr>
<td>-</td>
<td>Self-locking Nut</td>
<td>5</td>
</tr>
<tr>
<td>-</td>
<td>Position Determining Plate</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>04006-66112</td>
<td>Clip Kit*</td>
<td>1</td>
</tr>
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</table>

* The kit above includes the following parts.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Front Pillar Garnish Clip</td>
<td>2</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scion xB</td>
<td>04006-49312</td>
<td>Instrument Panel Airbag Module (Instructions for this part are in the module replacement TI)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>04006-66108</td>
<td>Clip Kit*</td>
<td>1</td>
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</table>

* The kit above includes the following parts.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Front Pillar Garnish Clip</td>
<td>2</td>
</tr>
</tbody>
</table>

IF USING THE PART MENTIONED ABOVE, FOLLOW THE INSTRUCTIONS IN THE MODULE REPLACEMENT TI
A. **TOOLS & EQUIPMENT**
- Standard hand tools
- Torque wrench
- Techstream
- Molding remover set

B. **MATERIALS**
- Protective Tape
- Marker Pen

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

<table>
<thead>
<tr>
<th>Image</th>
<th>Name</th>
<th>Quantity</th>
</tr>
</thead>
</table>
| ![Barcode Scanner](image1.png) | **Barcode Scanner**
(The scanner distributed for F0J can read bar and QR codes) | 1 |

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

<table>
<thead>
<tr>
<th>Image</th>
<th>Name</th>
<th>Quantity</th>
</tr>
</thead>
</table>
| ![Airbag Mounting Bracket](image2.png) | **Airbag Mounting Bracket & hardware**
(Provided to the dealership at the launch of SSC DLC) | 1 |

<table>
<thead>
<tr>
<th>Image</th>
<th>Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="579943 Adaptor set" /></td>
<td><strong>579943 Adaptor set</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

*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.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09950-50013</td>
<td>Puller C Set *</td>
<td>1</td>
</tr>
</tbody>
</table>

* The set above includes the following tools.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09951-05010</td>
<td>Hanger 150</td>
<td>1</td>
</tr>
<tr>
<td>09952-05010</td>
<td>Slide Arm</td>
<td>2</td>
</tr>
<tr>
<td>09953-05020</td>
<td>Center Bolt 150</td>
<td>1</td>
</tr>
<tr>
<td>09954-05021</td>
<td>Claw No. 2</td>
<td>2</td>
</tr>
</tbody>
</table>
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. IMPORTANT NOTICE WHEN CONNECTING INSTRUMENT PANEL WIRE CONNECTOR TO AIRBAG INFLATOR
   a) Once connected, the instrument panel wire connector cannot be disconnected from the airbag inflator. If the instrument panel wire connector is incorrectly connected to the inflator, replace the instrument panel wire and inflator with new ones.

2. 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.

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

4. HANDLE THE AIRBAG CAREFULLY
   a) If an airbag is dropped, replace it with a **NEW** one.

5. WEAR PROTECTIVE EQUIPMENT
   a) Always wear appropriate protective equipment when working on the SRS.

DO NOT CONNECT PREMATURELY CANNOT DISCONNECTED

NG

DO NOT measure resistance.

NG

Replace with new one.

Wear protective eye wear and work gloves.
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.

   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

   ![Error Inputting]
   The input VIN is not correct. Please re-enter VIN.
   OK

   b) Enter the vehicle mileage and repair order information, then click the ‘report’ button.

• The VIN MAY NEED to be entered manually in ALL CAPS when launching the Techstream software. The VIN should auto-populate on 2006 and later MY vehicles.
• 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 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 the replacement of the passenger airbag module. NO other SRS components are covered under this campaign.
VII. PASSENGER AIRBAG MODULE REPLACEMENT

COMPONENTS

- FRONT PILLAR GARNISH CLIP
- FRONT PILLAR GARNISH RH
- FRONT PILLAR GARNISH LH
- FRONT DOOR OPENING TRIM WEATHERSTRIP RH
- FRONT DOOR OPENING TRIM WEATHERSTRIP LH
- UPPER INSTRUMENT PANEL SUB-ASSEMBLY
- COMBINATION METER ASSEMBLY
- INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY
- GLOVE COMPARTMENT DOOR ASSEMBLY
- INSTRUMENT CLUSTER FINISH CENTER PANEL SUB-ASSEMBLY
- INSTRUMENT CLUSTER FINISH LOWER PANEL

- Replacement part

\[ N \times m (kgf \times cm, \text{ft.} \times \text{lb}) \] : Specified torque
3.9 N\cdot m (40, 35 in.*lbf) Be careful not to overtighten.

1. REMOVE THE AIRBAG MODULE
   a) Refer to TIS for instructions on airbag removal:

   **2008 MY  2009 MY  2010 MY**

   - 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.
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 mounting 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 positioning plate is removable.

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

- The AIRBAG MODULE serial number MUST be recorded using the barcode scanner (provided at the launch of SSC FOJ).
- 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.

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

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.
   1) 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:
   • 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

   [Image of a barcode label with a serial number]

   F22 *000000000XX0*

STOP

The AIRBAG serial number MUST be recorded prior to replacement.
c) Confirm agreement by checking the two boxes and press submit.
d) Record the Warranty Authorization # to be included in the warranty claim.

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.
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.

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.

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

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.
VIII. FRONT PASSENGER AIRBAG REINSTALLATION

1. INSTALL A NEW INFLATOR

STOP Make sure to follow the installation procedure carefully as the instrument panel wire connector cannot be disconnected once connected.

a) Insert a NEW inflator to the center of the airbag case with the correct orientation as shown in the illustration.

- Make sure that the passenger airbag inflator is oriented correctly as shown in the illustration, not upside down.
- If the passenger airbag inflator is upside down, it will not be able to be fully inserted.

STOP DO NOT insert fully.

b) Connect the airbag connector to the instrument panel passenger airbag assembly and then push in the airbag connector lock as shown in the illustration.

STOP • 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:
c) Insert the inflator fully as shown in the illustration.

STOP
DO NOT pinch instrument panel wire.

d) Insert the inflator with the correct orientation as shown in the illustration.

- Make sure that the inflator is oriented correctly as shown in the illustration, not upside down.
- If the passenger airbag inflator is upside down, it will not be able to be fully inserted.

e) Temporarily install a NEW plate and airbag inflator with the 2 NEW self-locking nuts.

f) Remove the 3 remaining old self-locking nuts and install temporarily 3 NEW self-locking nuts by hand.

g) Store the removed self-locking nut in a replacement part box or the like.
h) Push the inflator and plate to towards the position determining plate to eliminate any gap.

STOP
If any gap exists, the aligned flats may move apart, resulting in failure in normal deployment of the airbag.

i) Tighten 5 nuts evenly in several increments in the order shown in the illustration using a socket driver while pushing the inflator and plate. (You will encounter some resistance during tightening because these nuts are self-locking nuts.)
Torque: 3.9 N·m (40 kgf·cm, 35 in.*lb)

STOP
The tightening torque is low (3.9 N·m). Use of an air ratchet wrench or tightening strongly with a T-handle wrench or a ratchet handle may cause deformation of the stud bolt.

OK

No gap between plate and inflator.

3.9 N·m
Be careful not to overtighten.

NG NG NG

Too Tight!

These tools cause overtightening!
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:
      
      2008 MY  2009 MY  2010 MY

2. RECONNECT THE NEGATIVE BATTERY CABLE
   a) Reconnect the negative battery cable.
   b) Perform any needed system initializations.

3. PREFORM ANY NEEDED VEHICLE INITIALIZATIONS
4. PERFORM A HEALTH CHECK AND DIAGNOSTIC REPORT
IX APPENDIX

A. CAMPAIGN DESIGNATION DECODER

<table>
<thead>
<tr>
<th>E</th>
<th>0</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year Campaign is Launched</td>
<td>Repair Phase</td>
<td>Current Campaign Letter for this year</td>
</tr>
</tbody>
</table>

- E = 2010
- A = 2011
- B = 2012
- C = 2013
- D = 2014
- E = 2015
- F = 2016
- G = 2016
- Etc...

- 0 = Remedy
- 1 = Interim (Remedy not yet available) "1" will change to "0" when the Remedy is available.
- (May use other characters in unique cases)

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 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