

TECHNICAL INSTRUCTIONS
FOR
SAFETY RECALL G0U
CURTAIN SHIELD AIRBAG
CERTAIN 2010 –2012 MODEL YEAR PRIUS
CERTAIN 2010 AND 2012 MODEL YEAR PRIUS PLUG-IN

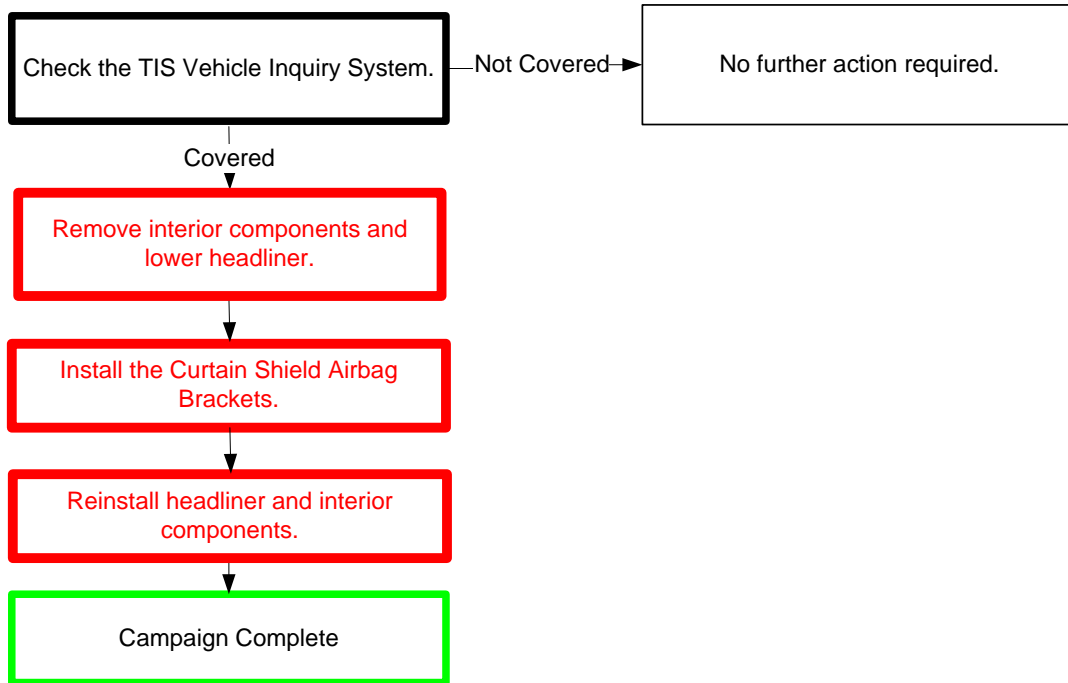
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this repair are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair performed correctly; technicians performing this repair are required to currently hold at least one of the following certification levels:

- Expert Technician - Electrical
- Master Technician
- Master Diagnostic Technician (MDT)

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

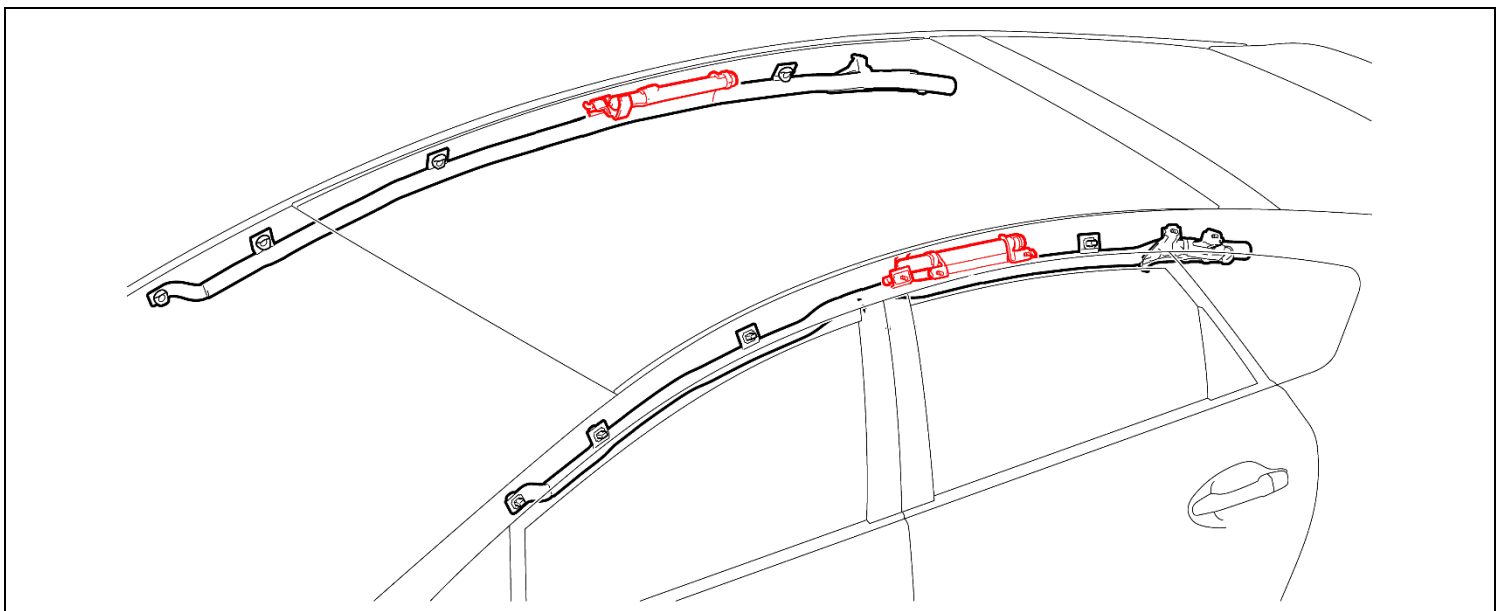
The flow chart is for reference only. **DO NOT** use it in place of the full technical instructions. Follow **ALL** steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



II. BACKGROUND

The involved vehicles are equipped with curtain shield air bags (CSA) in the driver and passenger side roof rails that have air bag inflators composed of two chambers welded together. Some inflators could have a small crack in the weld area joining the chambers, which could grow over time, and lead to the separation of the inflator chambers. This has been observed when the vehicle is parked and unoccupied for a period of time. If an inflator separates, the CSA could partially inflate, and, in limited circumstances, one or both sections of the inflator could enter the interior of the vehicle. If an occupant is present in the vehicle, there is an increased risk of injury.

The remedy will consist of installing retention brackets designed to prevent the inflator chambers from entering the vehicle interior if separation occurs.



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

All applicable vehicles will require the parts in the table below

Part Number	Description	Qty
04006-25147	CSA Bracket Kit	1
62155-47040	RH CSA Bracket	1
62156-47040	LH CSA Bracket	1
90119-06869	Bolt w Washer	2

B. MATERIALS

- Protective tape
- Protective Gloves
- Marker Pen

C. TOOLS & EQUIPMENT

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

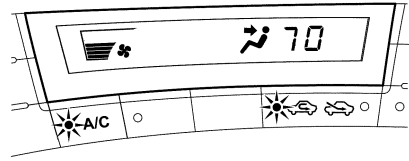
REDUCE INTERIOR TEMPERATURE AND INFLATOR PRESSURE



ALWAYS PERFORM THIS STEP TO ENSURE THE INFLATOR TEMPERATURE IS LOWERED. THIS IS CRUCIAL FOR YOUR SAFETY; SPECIFICALLY DURING THE HOTTER MONTHS WHEN DIRECT SOLAR LOAD IS PLACED ON VEHICLES.

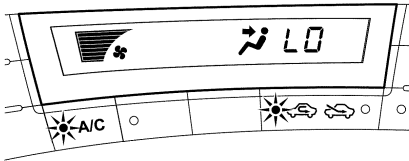


REDUCE INTERIOR TEMPERATURE VIDEO



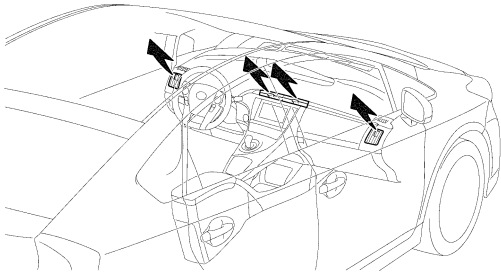
1. RECORD THE CUSTOMER CLIMATE CONTROL SETTINGS

- Temperature
- Air Inlet Setting (Recirculation or Fresh Air)
- Vent Setting
- Vent Position



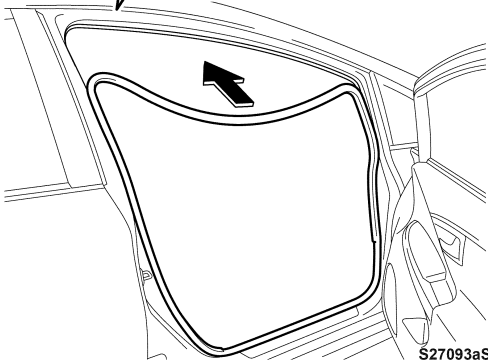
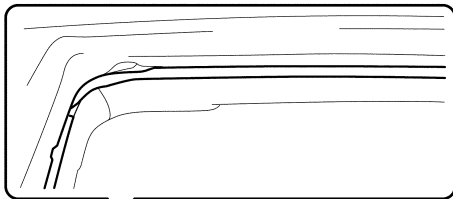
2. TURN ON THE A/C TO THE FOLLOWING SETTINGS

- A/C On
- Maximum blower/fan speed
- Max cool/LO setting
- Recirculation for air inlet
- Face/dash vent only mode
- Aim the dash vents upward toward the headliner



3. REPOSITION FRONT DOOR WEATHERSTRIP

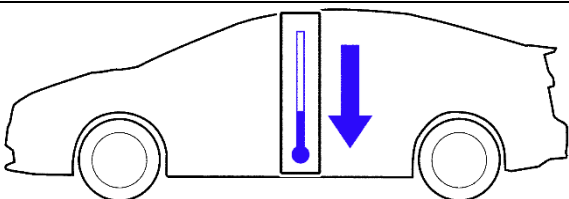
- Remove the upper portion of the weatherstrip on both front doors to allow the cool A/C air to enter the area between the headliner and roof panel.
- Using a cloth clean off the residual sealant left behind on the door frame from the weatherstrip.
- Place the loose weatherstrip inside the cabin of the vehicle to ensure that it does not get pinched by the door.



Ensure you follow this step, it is crucial to in order for the cool A/C air to reach the CSA Inflator Canister.

4. COOL INTERIOR

- Let the vehicle run for 15 minutes to lower the inflator temperature and pressure.



ALWAYS PERFORM THIS STEP TO ENSURE THE INFLATOR TEMPERATURE IS LOWERED. THIS IS CRUCIAL FOR YOUR SAFETY; SPECIFICALLY DURING THE HOTTER MONTHS WHEN DIRECT SOLAR LOAD IS PLACED ON VEHICLES.



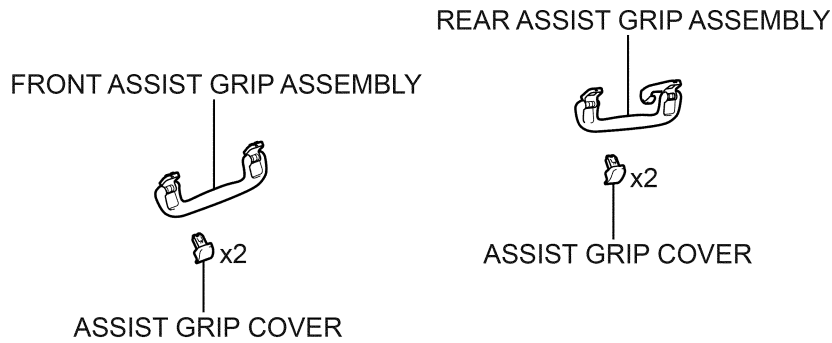
V. INTERIOR DISASSEMBLY

1. CONFIRM VEHICLES ORIGINAL CONDITION BY PERFORMING VEHICLE HEALTH CHECK
2. RECORD CUSTOMER SEAT POSITION AND RADIO SETTINGS

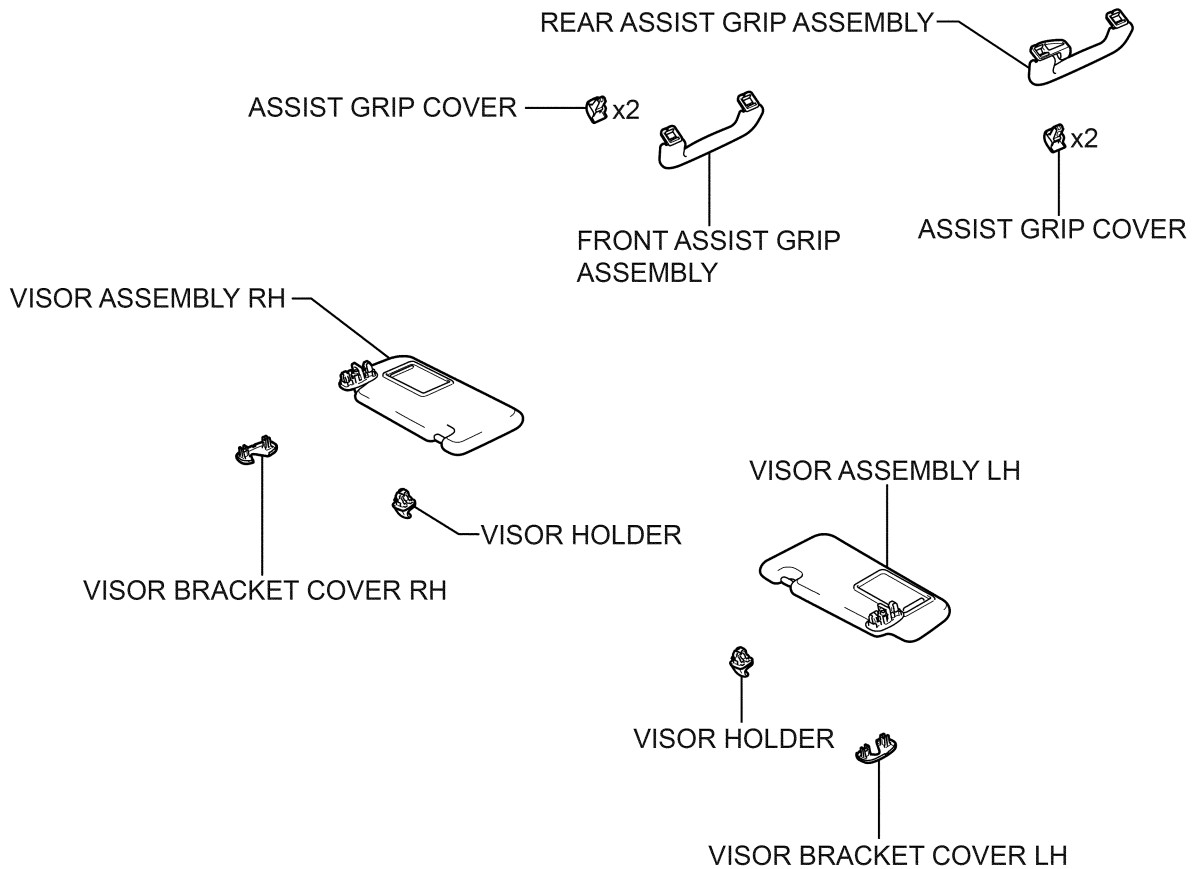
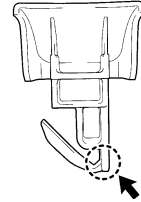
3. REMOVE THE FOLLOWING COMPONENTS

[HEADLINER REMOVAL REPAIR MANUAL LINK](#)

NOTE: On page TBD there are additional instruction for removing key components connecting the headliner to the roof of the vehicle, ensure you pay special attention to these steps.



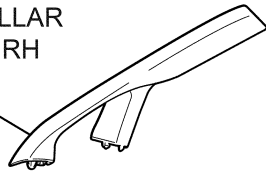
Note: The assist grip cover has a claw attached to it that is only required for the manufacturing process. The assist grip cover is still reusable if whitening stress marks occur during the disassembly process.



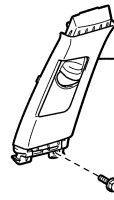
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Component Removal Continued...

FRONT PILLAR
GARNISH RH



CENTER PILLAR GARNISH RH

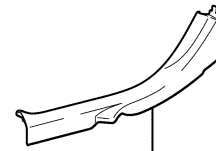


FRONT SEAT OUTER
BELT ASSEMBLY RH

CENTER PILLAR LOWER GARNISH RH



REAR DOOR SCUFF
PLATE RH



FRONT DOOR
SCUFF PLATE RH

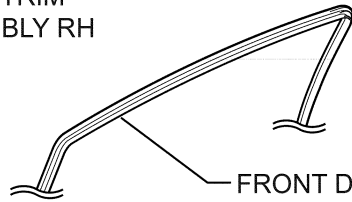
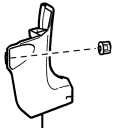


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LAP BELT OUTER
ANCHOR COVER RH



COWL SIDE TRIM
SUB-ASSEMBLY RH

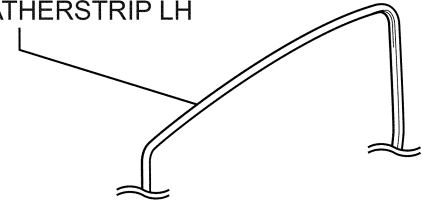


FRONT DOOR OPENING
TRIM WEATHERSTRIP RH



REAR DOOR OPENING
TRIM WEATHERSTRIP RH

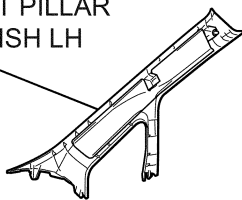
FRONT DOOR OPENING
TRIM WEATHERSTRIP LH



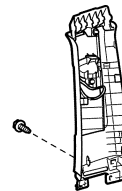
REAR DOOR OPENING
TRIM WEATHERSTRIP LH



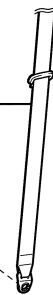
FRONT PILLAR
GARNISH LH



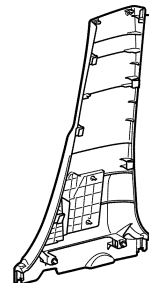
CENTER PILLAR
GARNISH LH



FRONT SEAT OUTER
BELT ASSEMBLY LH



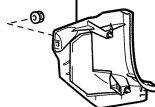
CENTER PILLAR
LOWER GARNISH LH



LAP BELT OUTER ANCHOR
COVER LH

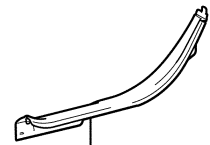


COWL SIDE TRIM
SUB-ASSEMBLY LH



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REAR DOOR SCUFF
PLATE LH



FRONT DOOR
SCUFF PLATE LH



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

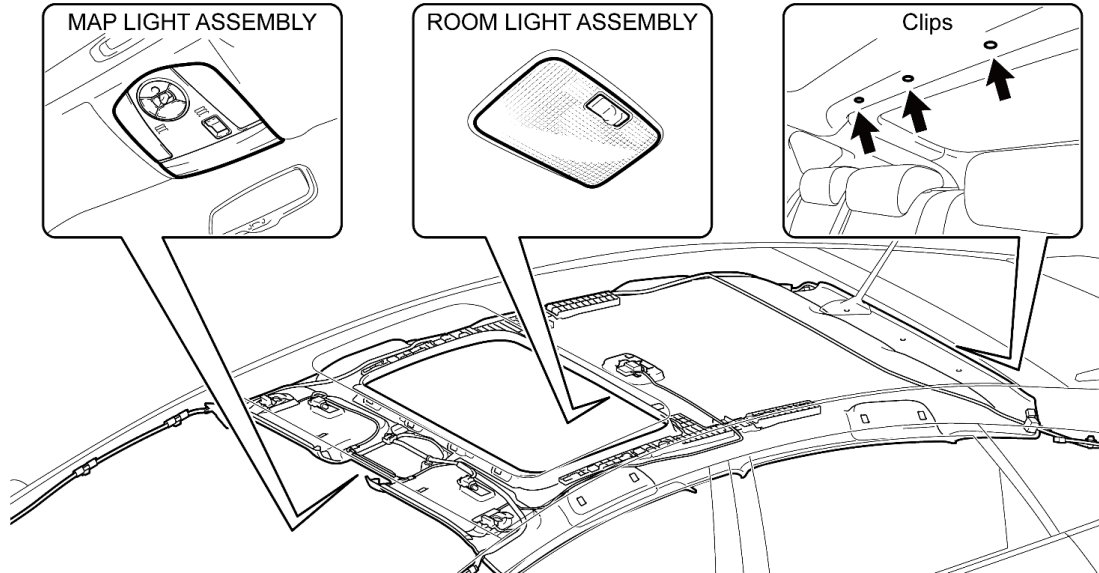
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4. CREATE SPACE BETWEEN THE HEADLINER AND ROOF ASSEMBLY



- DO NOT forcefully pull on the headliner during this procedure.
- The headliner does not need to be lowered completely.

DO NOT REMOVE



w/Sliding Roof

- Disengage the 4 fasteners by pulling down carefully as shown.



DO NOT forcefully pull down on the headliner, always perform this step with caution.

- Disengage the 2 fasteners by carefully pulling down as shown.



DO NOT forcefully pull down on the headliner, always perform this step with caution.

Without Sliding Roof

- Using a clean clip remover, remove the 2 clips from the center area of the headliner.



Place cloth or protective material between the headliner and the clip removal tool when pry to release clip.

VI. INSTALL CURTAIN SHIELD AIRBAG BRACKETS

[CSA BRACKET INSTALLATION VIDEO](#)

1. WEAR PROTECTIVE GLOVES



Wear protective gloves during this procedure to protect your hands from sharp edges and burrs.

2. CREATE WORK SPACE

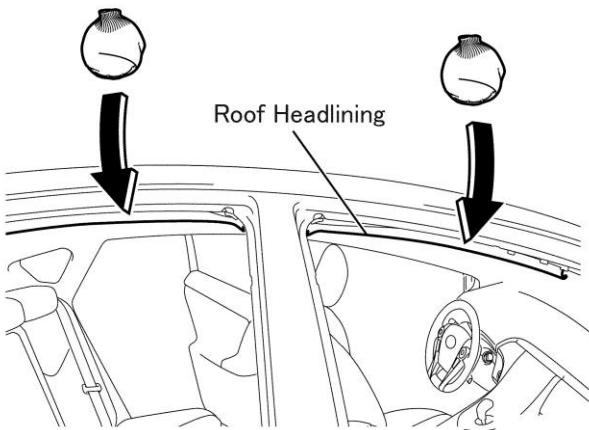
- a) Create work space by placing soft spacers as shown between the roof and the headliner.

Space Requirement: 2.75 in. (7.0 cm)

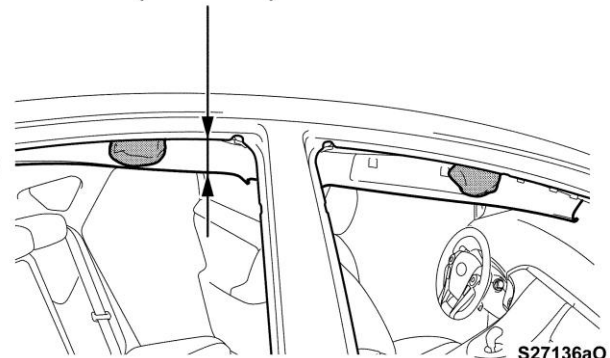
NOTE: The use of balled up clean shop towels or clean cotton work gloves is recommended.



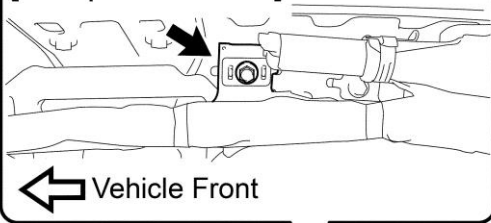
DO NOT make the space too wide otherwise wrinkles and damage can occur to the headliner.



Standard clearance:
7.0 cm (2.75 in.) or smaller



[Perspective View]



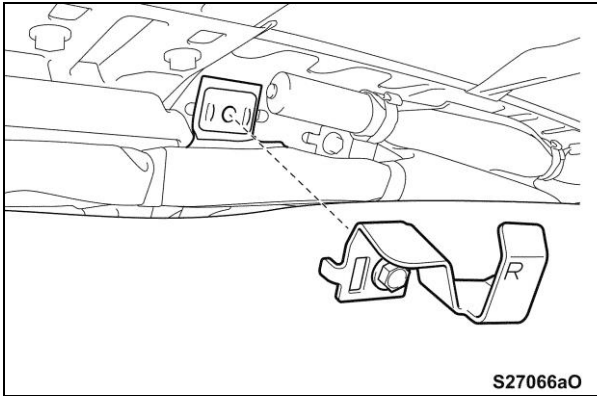
3. INSTALL RH AND LH CURTAIN SHIELD AIRBAG BRACKETS

- a) Using a mirror confirm the installation position of the curtain shield airbag bracket.
b) Remove the bolt from the curtain shield airbag and mark it to ensure it is not reused.



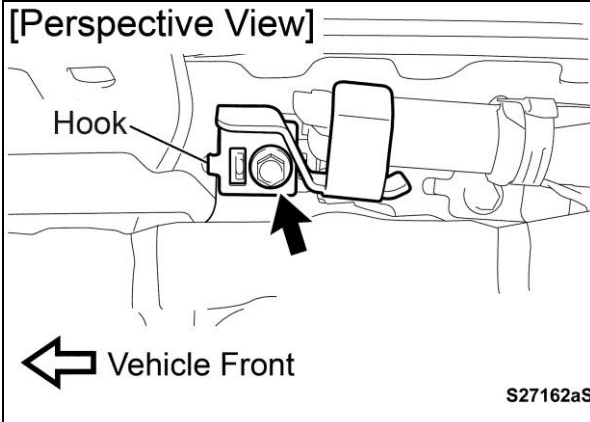
- Confirm you remove the correct bolt. The bolt securing the inflator canister is very close to the CSA air bag bolt.
- DO NOT sit in the driver's or front passenger seat. Always work from the rear seat position when installing the brackets.





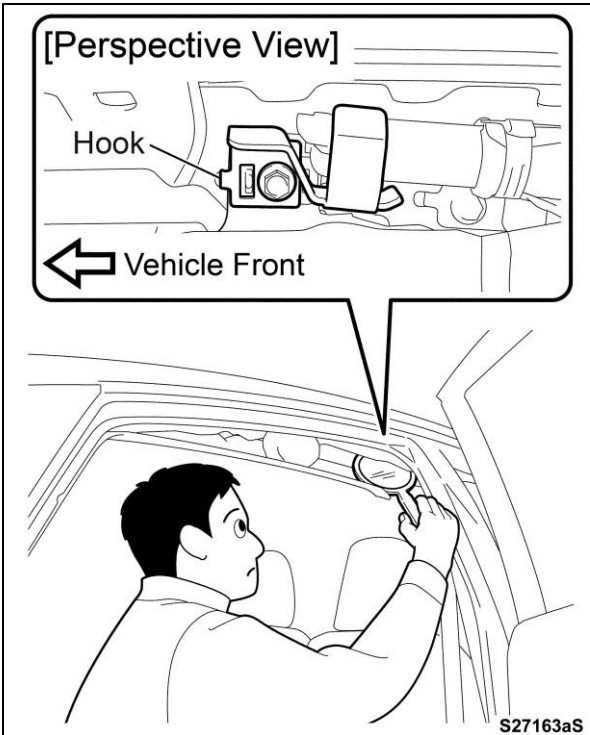
- c) Temporarily install the RH CSA bracket on top of the airbag using the **NEW** bolt.
- d) Tighten the bolt to specification.

Torque Spec: 87in.*lbs (9.8N*m, 100kgf*cm)



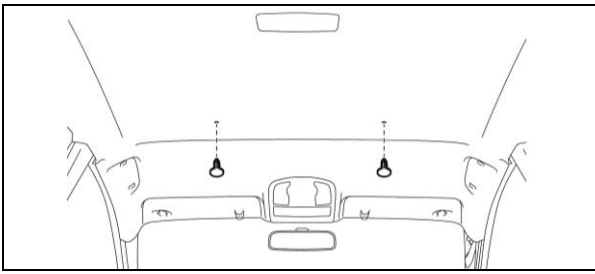
- e) Temporarily install the front RH CSA bracket to the airbag with the **NEW** bolt.
- f) Engage the hook of the RH CSA bracket into the notch.
- g) Tighten the bolt to specification.

Torque Spec: 87in.*lbs (9.8N*m, 100kgf*cm)



- h) Using a mirror confirm that the CSA bracket is properly installed.
- i) Remove the spacers from the headliner.
- j) Repeat procedure for LH CSA bracket installation.

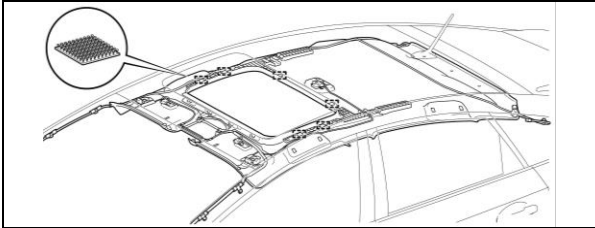
VII. INTERIOR REASSEMBLY



1. REINSTALL HEADLINER

Without Sliding Roof

- Realign the headliner with the roof panel to ensure it is in proper position and install the two clips.

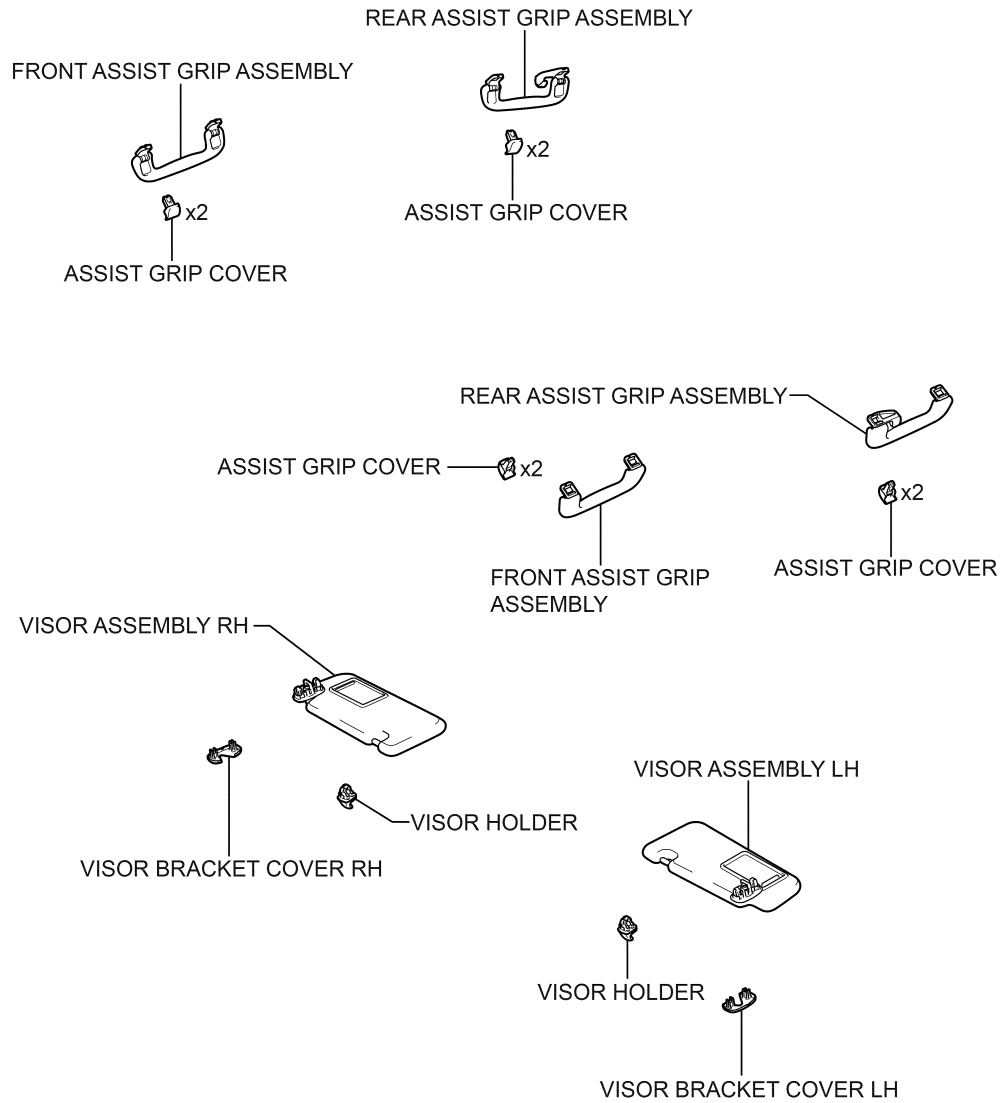


w/Sliding Roof

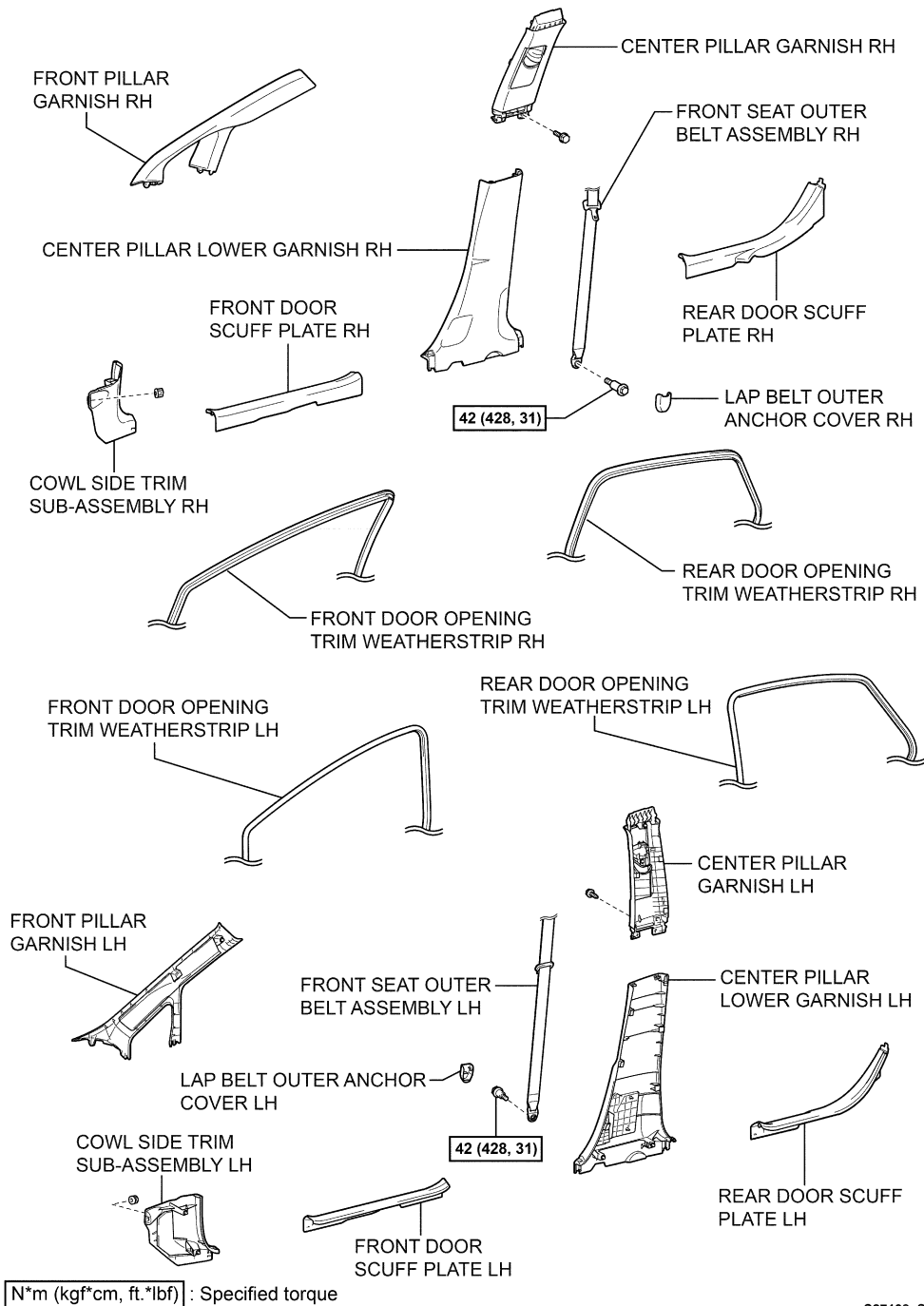
- Realign the headliner with the roof panel to ensure it is in proper position.
- Press the headliner upward at locations shown below to engage the 6 fasteners.

2. REINSTALL THE FOLLOWING COMPONENTS

[HEADLINER REINSTALLATION REPAIR MANUAL LINK](#)



Component Reinstallation Continued...



3. RECONNECT 12V BATTERY
4. RESTORE SEAT POSITION
5. RESTORE CUSTOMER CLIMATE CONTROL SETTINGS
6. CONFIRM ALL INTERIOR COMPONENTS OPERATION
7. CHECK AND CLEAR ANY DTCS

◀ VERIFY REPAIR QUALITY ▶

- Confirm the interior temperature was reduced prior to disassembly
- Confirm the brackets are properly installed
- Confirm the interior settings are reset

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