



June 12, 2025

Revision 2

A division of Troy Sheet Metal Works, Inc.  
1024 South Vail Avenue, Montebello, CA 90640  
www.troyproducts.com 323 720-4100

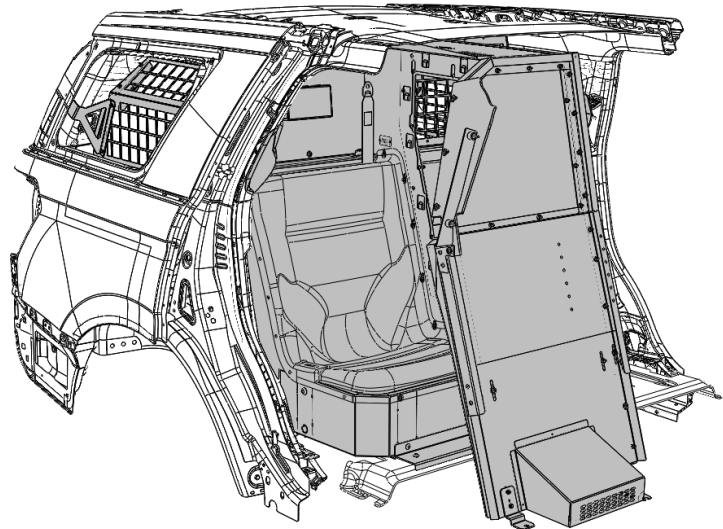
**Part No:** TP-18XP-SC  
**Description:** 2018+ FORD EXPEDITION SINGLE CELL

**Vehicle:** FORD EXPEDITION  
**Model year:** 2018+



**Tools Required:** 1/8" drill bit      Ø1-1/4" hole saw      Metric Allen keys set      SAE Allen keys set  
Metric socket set      SAE socket set      Drill

**Troy Products recommends reading through all installation instructions prior to installation to check all necessary parts have been included (check against bill of materials table.)**

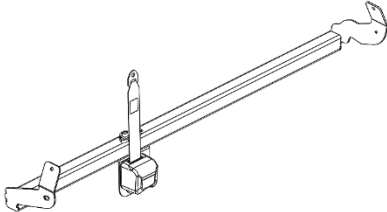
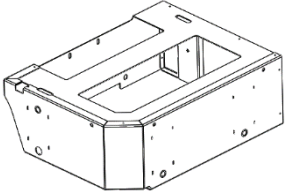
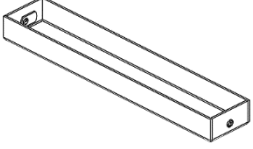
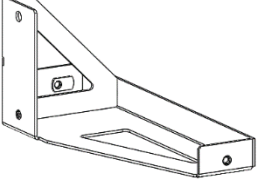
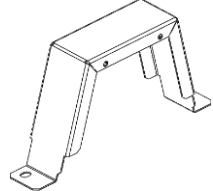
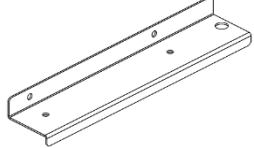
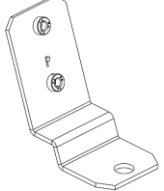
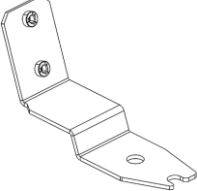
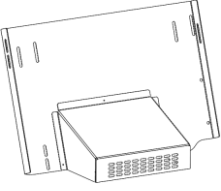
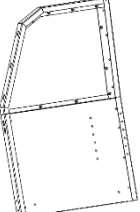
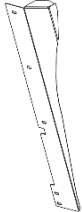

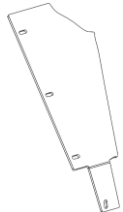
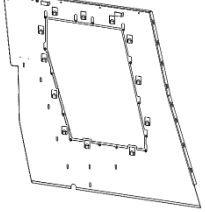


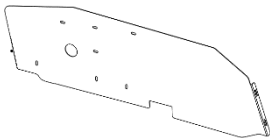
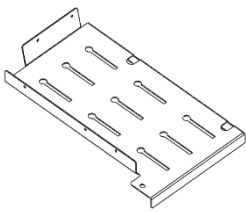
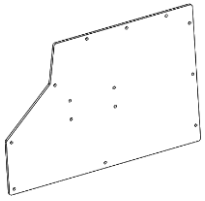
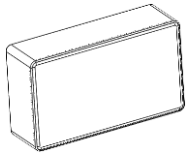
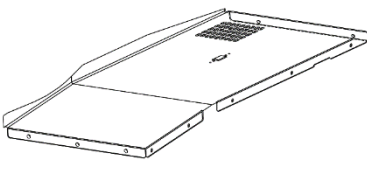
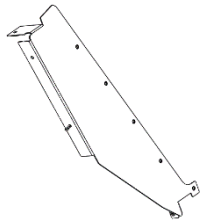

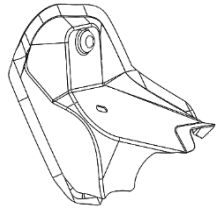
### Quick Guide

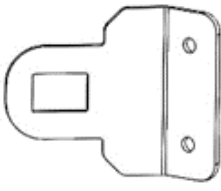
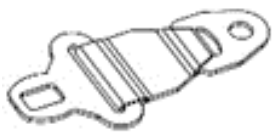
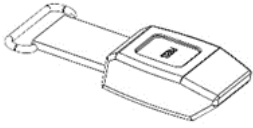
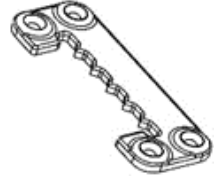
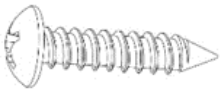
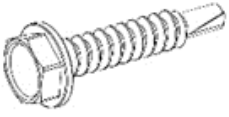
1. Remove second row of seats/ wiring harness from seats and reconnect the harness securely in that area. Failing to do so will create a code on the vehicles dash. Additionally, remove C pillar upper plastic trims, pull lower C-pillar plastic trims away and remove lower seat belt mounting points at both sides.
2. Pull-out seat belts from upper C pillar plastic trims.
3. Prep upper C pillar trims by making Ø1-1/4" clearance holes for the retractor bar assembly using templates.
4. Wrap and tuck in passenger side seat belt inside C pillar lower plastic trim.
5. Pass driver side belt through C pillar plastic trim, re-install belt at lower mount point and re-install swivel using OEM spacer and provided standoff, re-install C pillar lower and upper plastic trims.
6. Install the retractor bar assembly, do not tight bolts.
7. Install rear cage assembly (refer to TP-EXP18-R installation instructions document).
8. Secure retractor bar assembly to rear cage upper panel and tight down bolts from **Step 6**.
9. Put together and Install seat mount module and hip side tongue.
10. Install passenger seat foot brackets, B pillar bracket, kick panel, front partition, lower and upper wing.
11. Install rear poly sheet and pad on partition upper panel.
12. Install side panel weldment and lower side panel.
13. Install floor plate.
14. Install head liner panel.
15. Install plastic seat side gap panel.
16. Insert buckle onto belt, route belt trough seat and secure belt to lower mount point.
17. Set plastic seat in position and pass hip side tongue trough plastic seat outer side cutout, install seat to seat module, side panel assembly, and side gap panel.
18. Install belt tooth retainers and passenger side ear cover.
19. Install removable frame assembly.
20. Install storage tongue and set belt in position.
21. Re-install driver second row individual seat back.
22. \*C-Pillar 2025 drill template is different from the previous years.

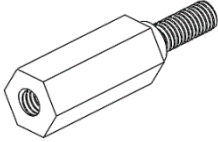
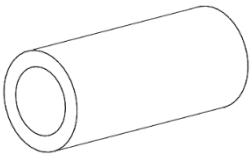
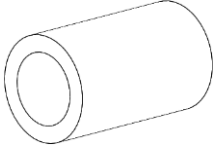
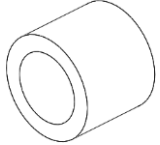

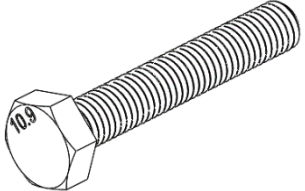
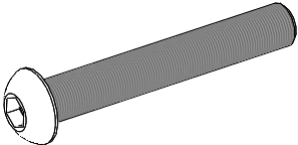
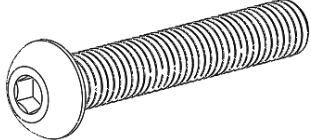
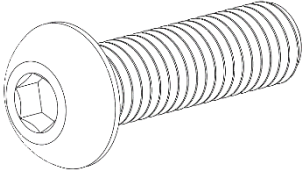
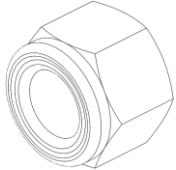
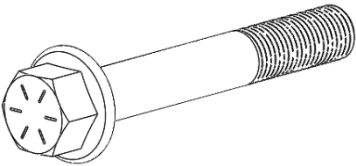
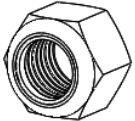
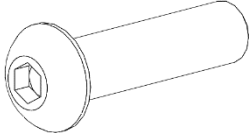
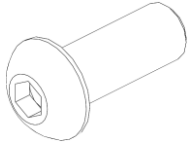
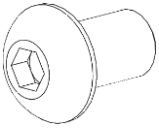
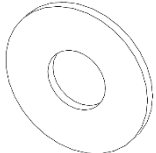
TP-18XP-SC

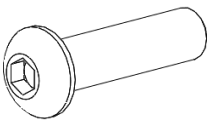
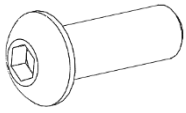
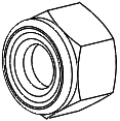
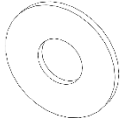
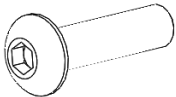
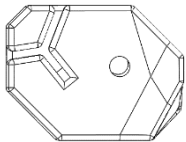
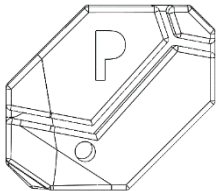
# TP-18XP-SC - BILL OF MATERIALS

<b>PARTS</b>	
<p><b>Part number:</b> TP-18XP-SC-#tuba</p> <p><b>Description:</b> TOP BAR ASSEMBLY</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#uss</p> <p><b>Description:</b> UNDER SEAT SUPPORT</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#sm1w</p> <p><b>Description:</b> SEAT MOUNT 1 WELDMENT</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#sm2w</p> <p><b>Description:</b> SEAT MOUNT 2 WELDMENT</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#usbw</p> <p><b>Description:</b> UNDER SEAT BRACKET WELDMENT</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#smf</p> <p><b>Description:</b> SEAT MOUNT FRONT</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#FB1</p> <p><b>Description:</b> FOOT BRACKET 1</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#FB2</p> <p><b>Description:</b> FOOT BRACKET 2</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#kp</p> <p><b>Description:</b> KICK PANEL WELDMENT</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#wa</p> <p><b>Description:</b> FRONT PARTITION ASSEMBLY</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#lwp</p> <p><b>Description:</b> LOWER WING PANEL</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#bpb</p> <p><b>Description:</b> B-PILLAR BRACKET</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> PL-TP-18XP-SC-bp</p> <p><b>Description:</b> B PILLAR WING</p> <p><b>QTY: 1</b></p>	 <p><b>Part number:</b> TP-18XP-SC-#spa</p> <p><b>Description:</b> SIDE PANEL ASSEMBLY</p> <p><b>QTY: 1</b></p> 

<b>Part number:</b> TP-18XP-SC-#spl <b>Description:</b> LOWER SIDE PANEL <b>QTY: 1</b> 	<b>Part number:</b> TP-18XP-SC-#fp <b>Description:</b> FLOOR PLATE <b>QTY: 1</b> 
<b>Part number:</b> PL-TP-18XP-SC-#rp <b>Description:</b> REAR POLY <b>QTY: 1</b> 	<b>Part number:</b> AC-PAD-47 <b>Description:</b> ARM PAD 4" X 7" <b>QTY: 1</b> 
<b>Part number:</b> TP-18XP-SC-#tp <b>Description:</b> HEADLINER PANEL <b>QTY: 1</b> 	<b>Part number:</b> TP-18XP-SC-#sgpp <b>Description:</b> SIDE GAP PANEL PASSENGER <b>QTY: 1</b> 
<b>Part number:</b> T-PU131 <b>Description:</b> SINGLE CELL PLASTIC SEAT <b>QTY: 1</b> 	<b>Part number:</b> TP-18XP-SC-#pec <b>Description:</b> PASSENGER EAR COVER <b>QTY: 1</b> 

<b>HARDWARE</b>	
<b>Part number:</b> P003 <b>Description:</b> STORAGE TONGUE <b>QTY: 1</b> 	<b>Part number:</b> DC81 <b>Description:</b> HIP SIDE TONGUE <b>QTY: 1</b> 
<b>Part number:</b> P002 <b>Description:</b> SEAT BELT, BUCKLE ASM <b>QTY: 1</b> 	<b>Part number:</b> P004 <b>Description:</b> TOOTHED C-RETAINER <b>QTY: 2</b> 
<b>Part number:</b> P057 <b>Description:</b> #6 X 0.625" PAN HEAD SMS, BLK <b>QTY: 8</b> 	<b>Part number:</b> 90064A460 <b>Description:</b> HEX HEAD DRILLING SCREWS <b>QTY: 2</b> 

<p><b>Part number:</b> PS-UV20-SC-MNT-#hex</p> <p><b>Description:</b> STANDOFF</p> <p><b>QTY: 2</b></p> 	<p><b>Part number:</b> TP-18XP-SC-#fs3</p> <p><b>Description:</b> FLOOR SPACER, 1.75"</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> TP-18XP-SC-#fs</p> <p><b>Description:</b> FLOOR SPACER, 1.25"</p> <p><b>QTY: 4</b></p> 	<p><b>Part number:</b> TP-18XP-SC-#bps</p> <p><b>Description:</b> B PILLAR SPACER, 5/8"</p> <p><b>QTY: 2</b></p> 
<p><b>Part number:</b> AC-CC-875CAP</p> <p><b>Description:</b> DOME CAP 7/8"</p> <p><b>QTY: 1</b></p> 	<p><b>Part number:</b> 1-FST-09-M1012</p> <p><b>Description:</b> M10-1.5 X 60MM HEX BOLT - ZINC</p> <p><b>QTY: 2</b></p> 
<p><b>Part number:</b> 1-FST-05-M6140</p> <p><b>Description:</b> M6-1.0 X 40MM BH SOCKET SCREW</p> <p><b>QTY: 2</b></p> 	<p><b>PART NUMBER:</b> 1-FST-09-M1013</p> <p><b>DESCRIPTION:</b> M10-1.5 X 60MM BHCS, BLK ZINC</p> <p><b>QTY: 3</b></p> 
<p><b>Part number:</b> 1-FST-06-12175</p> <p><b>Description:</b> 1/2-13 X 1-3/4" BH SCREW</p> <p><b>QTY: 2</b></p> 	<p><b>Part number:</b> 1-FST-35-31050</p> <p><b>Description:</b> 1/2-13 NYLON LOCK NUT</p> <p><b>QTY: 2</b></p> 
<p><b>Part number:</b> 1-FST-10-71633</p> <p><b>Description:</b> 7/16-20 X 3" HH SCREW GRD 8</p> <p><b>QTY: 1</b></p> 	<p><b>Part number:</b> 1-FST-35-31300</p> <p><b>Description:</b> 7/16-20 NYLON LOCK NUT - ZINC</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> 1-FST-06-61250</p> <p><b>Description:</b> 3/8-16 X 1.5" BHCS</p> <p><b>QTY: 2</b></p> 	<p><b>Part number:</b> 1-FST-06-61210</p> <p><b>Description:</b> 3/8-16 X 1" BH SOCKET SCREW</p> <p><b>QTY: 2</b></p> 
<p><b>Part number:</b> 1-FST-06-00625</p> <p><b>Description:</b> 3/8-16 X 5/8" BH SOCKET SCREW</p> <p><b>QTY: 3</b></p> 	<p><b>Part number:</b> 1-FST-50-11208</p> <p><b>Description:</b> 3/8" BLACK FLAT WASHER</p> <p><b>QTY: 2</b></p> 

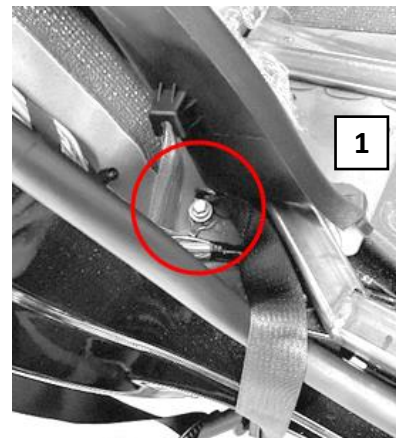
<p><b>Part number:</b> 1-FST-06-60840</p> <p><b>Description:</b> #1/4-20 X 1.0 BH SOCKET SCREW</p> <p><b>QTY: 21</b></p> 	<p><b>Part number:</b> 1-FST-06-60830</p> <p><b>Description:</b> #1/4-20 X 3/4" BH SOCKET SCREW</p> <p><b>QTY: 60</b></p> 
<p><b>Part number:</b> 1-FST-35-31000</p> <p><b>Description:</b> #1/4-20 NYLON NUT</p> <p><b>QTY: 54</b></p> 	<p><b>Part number:</b> 1-FST-50-60800</p> <p><b>Description:</b> BLACK FLAT WASHER, 1/4"</p> <p><b>QTY: 95</b></p> 
<p><b>Part number:</b> 1-FST-06-65675</p> <p><b>Description:</b> #10-32 X 3/4" BH SOCKET SCREW</p> <p><b>QTY: 4</b></p> 	<p><b>Part number:</b> PL-TP-18XP-SC-#cdtd</p> <p><b>Description:</b> C PILLAR DRILL TEMPLATE, DRIVER</p> <p><b>QTY: 1</b></p> 
<p><b>Part number:</b> PL-TP-18XP-SC-#cdtp</p> <p><b>Description:</b> C PILLAR DRILL TEMPLATE PASSENGER</p> <p><b>QTY: 1</b></p> 	

## Installation

- 1.) When removing the second-row seat, remove the seat harness portion from the individual passenger-side rear seat and reconnect it to the vehicle floor harness connector. Secure the harness to prevent movement or damage.

**ATTENTION:** The OEM harness from the removed seat must remain connected to the vehicle floor harness. Failure to reconnect the harness may result in a warning message or diagnostic trouble code being displayed on the vehicle dashboard.

Additionally remove the C pillar upper plastic trims, pull lower C pillar plastic trims away and remove lower seat belt mounting points at both sides (Ford utility vehicle reference picture shown).

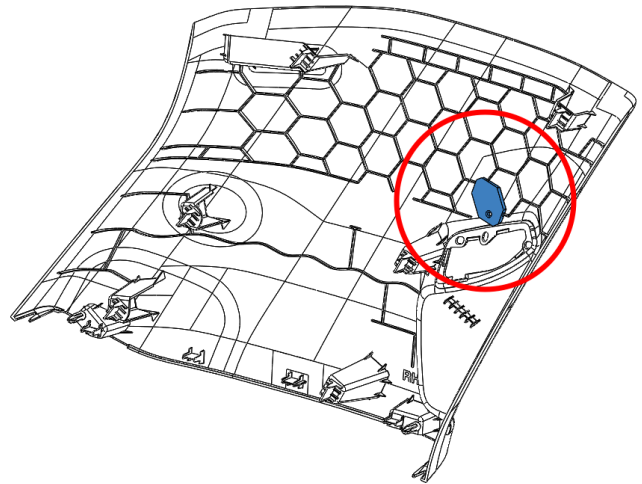


2.) Pull-out seat belts from upper C pillar plastic trims cutouts.

3.) **For 2018-2024 Ford Expedition models**, place the drill templates on the honeycomb pattern located on the back side of the C-pillar trim panels.

Use the templates to drill  $\varnothing 1/8"$  pilot holes. Use the pilot hole as a guide to drill  $\varnothing 1-1/4"$  holes with the hole saw after.

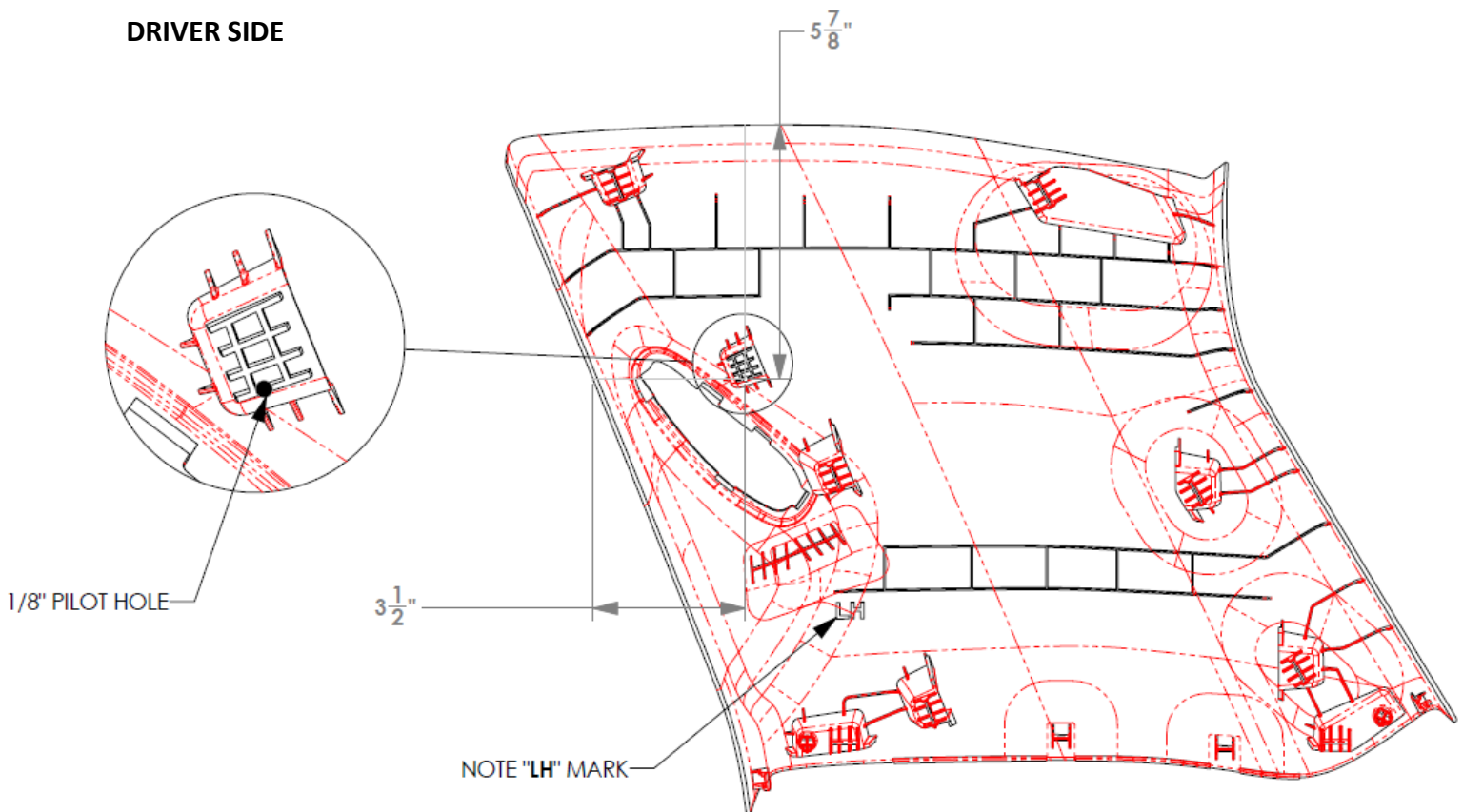
The passenger-side template is identified with the letter "P".



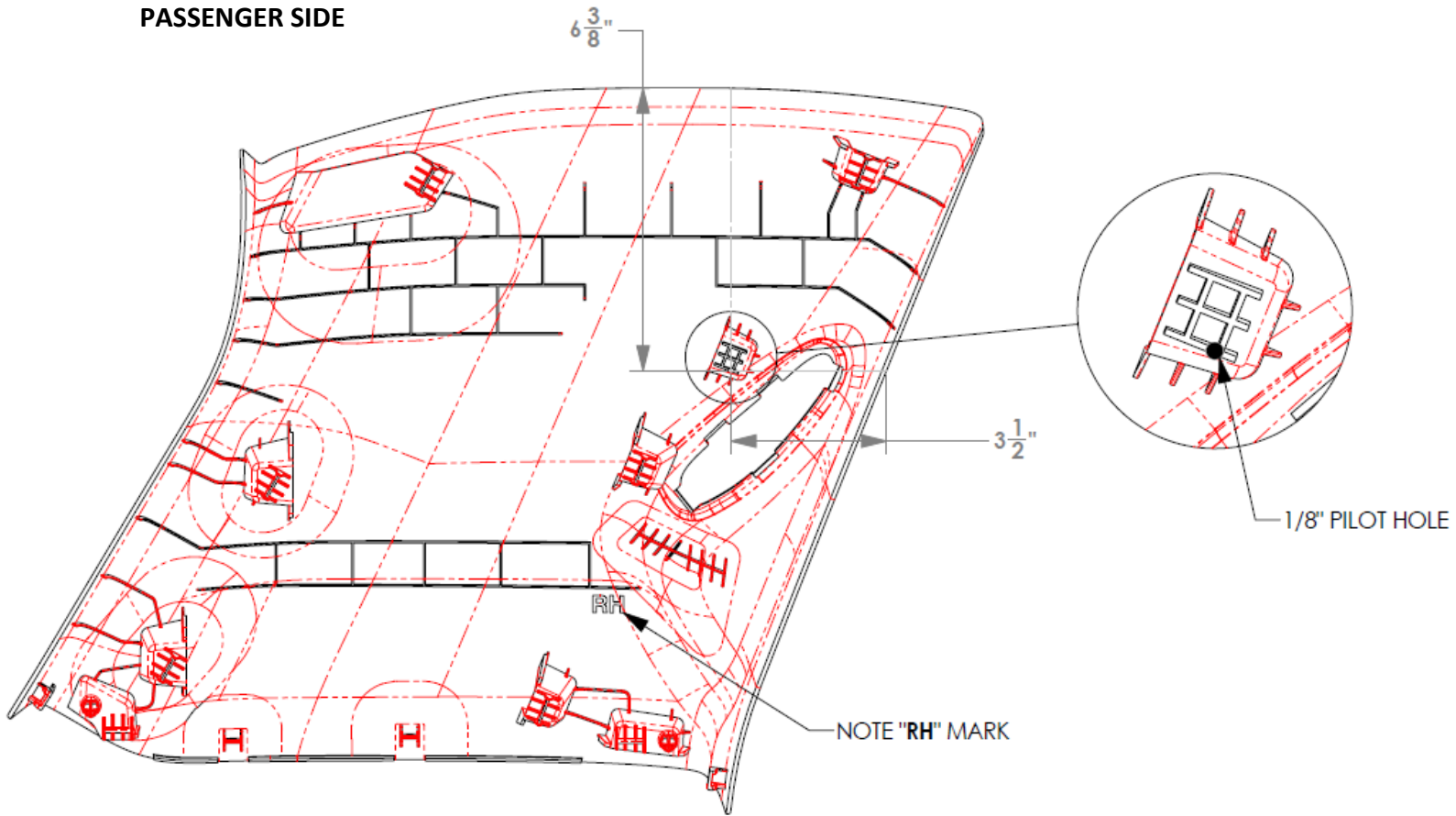
### 2025+ EXPEDITION C-PILLAR HOLE LOCATION PROCEDURE

For 2025+ Ford Expedition model years, a drilling template is not required. Use the reference points and dimensions provided in the images below to locate the pilot hole position on the back side of the C-pillar trim panels. Once the location has been marked, drill a  $\varnothing 1/8"$  pilot hole and use it as a guide to drill the  $\varnothing 1-1/4"$  hole with a hole saw.

#### DRIVER SIDE

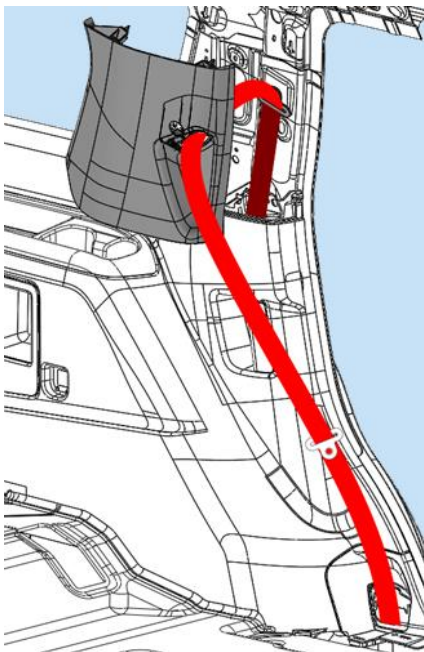


**PASSENGER SIDE**

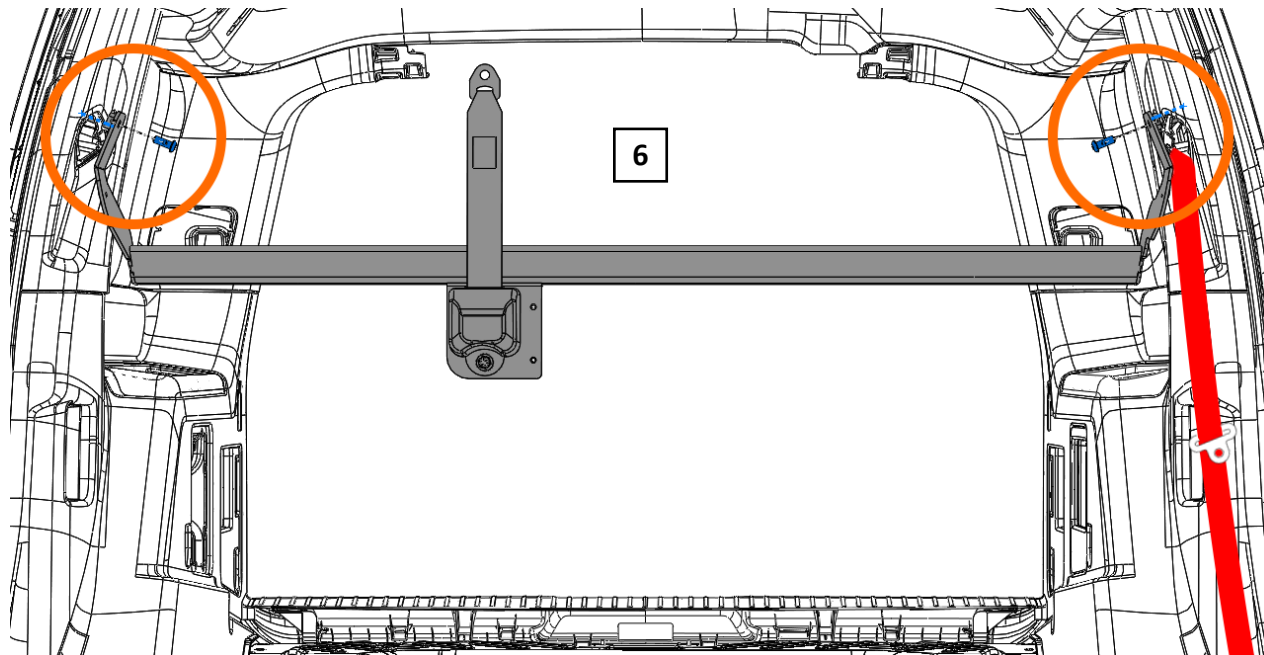


4.) Wrap the passenger side seat belt in bubble wrap and tuck it inside C pillar lower plastic trim.

5.) Pass driver side belt through C pillar plastic trim, re-install belt at lower mount point and re-install swivel using OEM spacer and provided standoff. (Ford utility vehicle reference picture shown). Re-install C pillar lower and upper plastic trims.

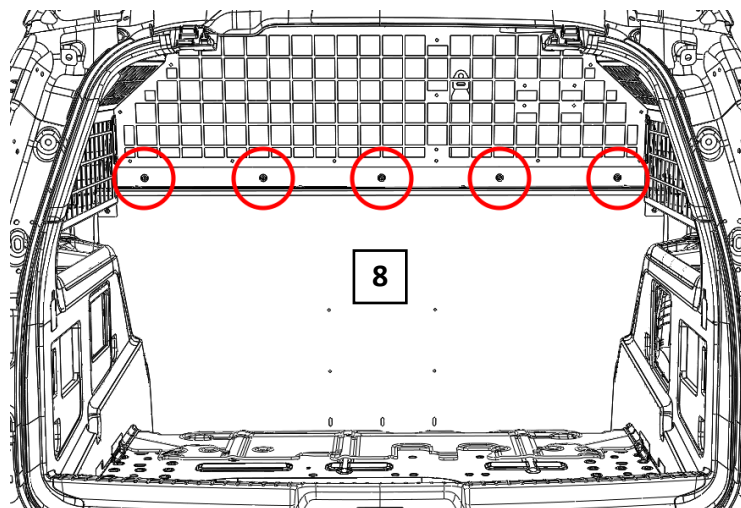


- 6.) Install a secondary standoff with the OEM spacer on the passenger side, Install the retractor bar assembly to the stand offs at both sides with (2) BH 3/8-16 X 1" bolts using the X Allen key, **DO NOT TIGHT BOLTS AT THIS TIME.**



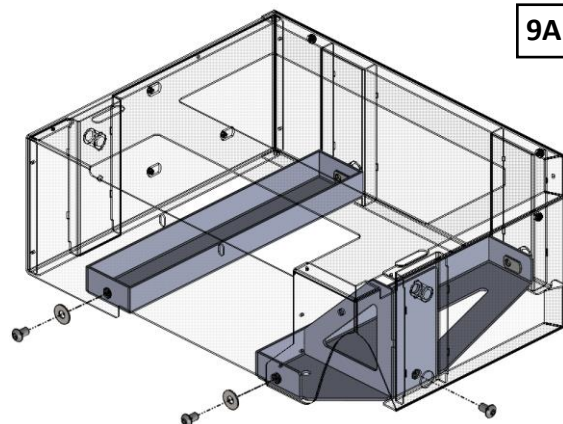
- 7.) Install rear cage assembly (refer to TP-EXP18-R installation instructions document).

- 8.) Secure retractor bar assembly to rear cage upper panel from cargo area, with (5) 1/4-20 X 5/8" BH screws and 1/4 washers, tight down bolts from **STEP 6.**

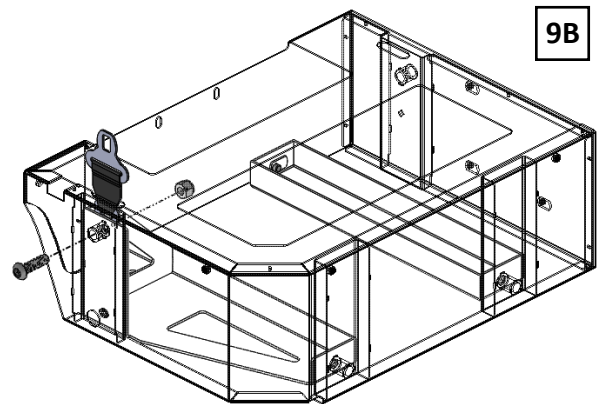


- 9.) **Put together and Install seat mount module and hip side tongue, install side gap panel.**

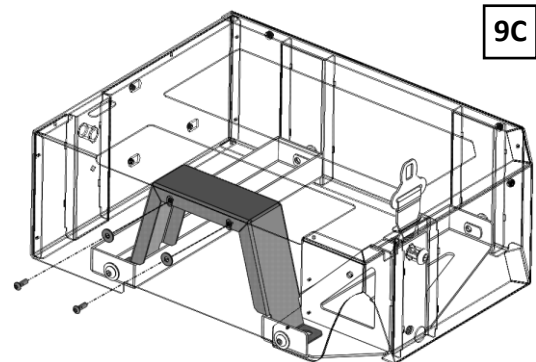
9A) Place seat mount weld 1 & 2 components inside the seat support frame as shown and secure them with (1) 3/8-16 X 5/8" BH screw on the short side and (2) 3/8-16 X 5/8" BH screws with 3/8 washers on the long side.



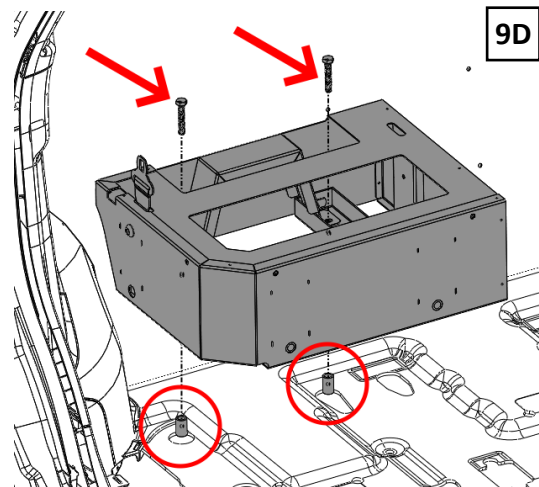
9B) Place inside tongue inside seat support frame as shown and secure with (1) 1/2-13 X 1-3/4" BH bolt and a nylon lock nut.



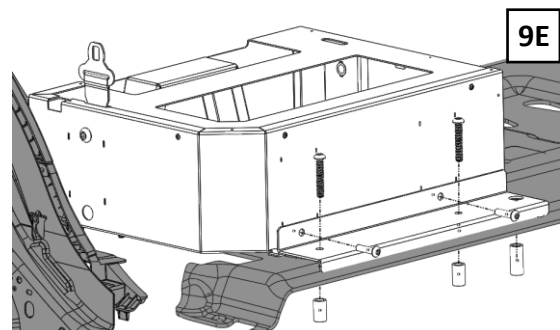
9C) Place under seat bracket inside seat support frame as shown and secure it with (2) 1/4-20 X 3/4" BH screws and washers.



9D) Bring seat mount module to vehicle and secure it with (2) 1-1/4" spacers and (2) M10-1.5 X 60mm Hex bolts, spacers can be taped to under seat module to facilitate installation.

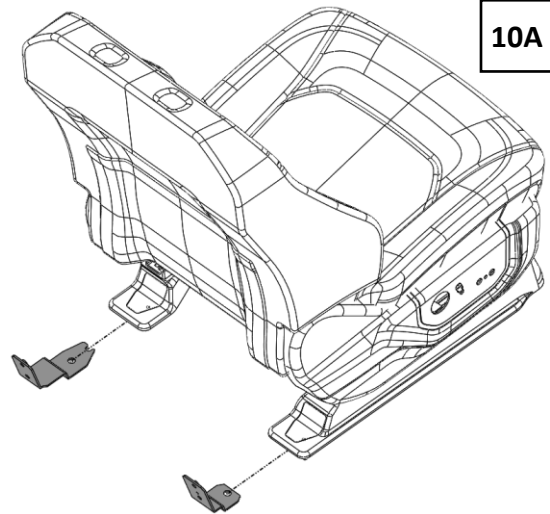


9E) Position seat front bracket as shown, place (2) 1-1/4" spacers towards the outside of vehicle and place (1) 1-3/4" spacer towards the center of vehicle under seat front bracket. Secure components to vehicle floor with (2) M10-1.5 X 60mm BH bolts. Secure front bracket to seat module with (2) 3/8-16 X 1-1/2" BH bolts.

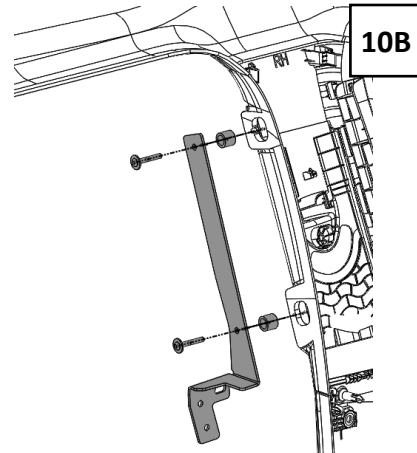


10.) Install passenger seat foot brackets, B pillar bracket, kick panel, front partition, lower and upper wing.

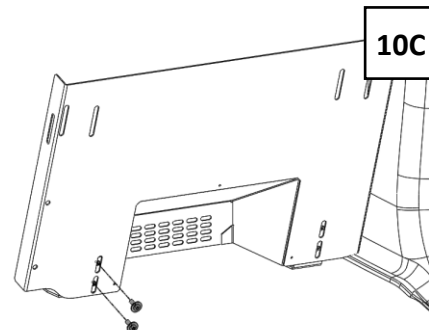
10A) Remove the passenger front seat OEM bolts and install the foot brackets 1 & 2 **(NOTE POSITION OF BRACKETS)** re-use the EOM hardware, **DO NOT TIGHT HARDWARE AT THIS TIME.**



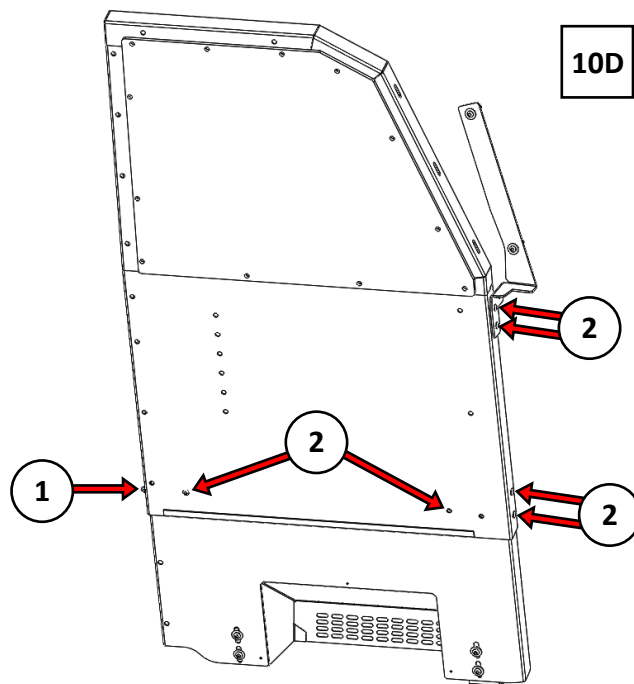
10B) Remove passenger side B pillar handle and install B pillar bracket with (2) 5/8" spacers (2) M6-1.0 X 40mm BH screws and (2) 1/4" washers as shown, tightly secure hardware.



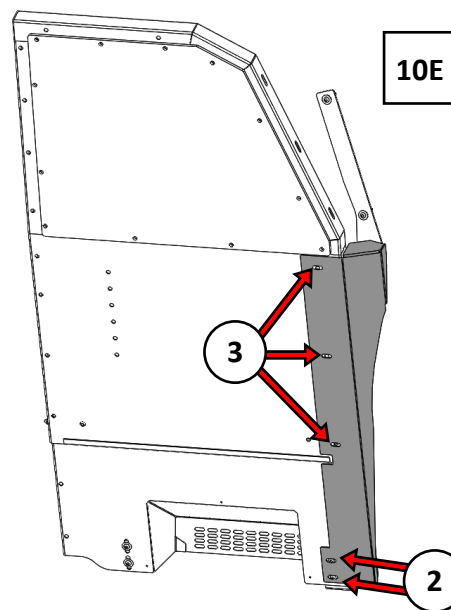
10C) Bring kick panel in place and secure it to foot brackets with (2) 1/4-20 X 3/4" BH screws and (2) 1/4 washers. **DO NOT TIGHT HARDWARE AT THIS TIME.**



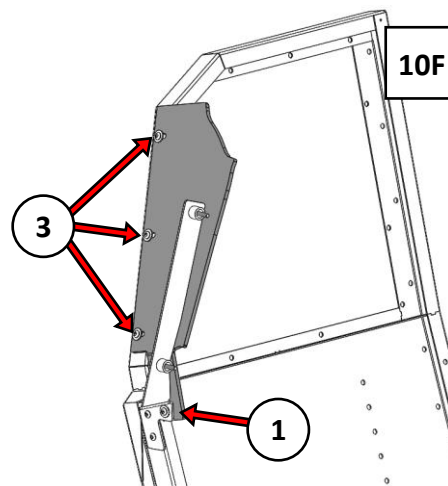
10D) Insert partition panel to kick panel, secure it to B pillar bracket using (2) 1/4-20 X 3/4" BH screws washers, and nylon lock nuts. Secure partition to kick panel at inner side of vehicle with (1) 1/4-20 X 3/4" BH screw, washer, and nylon lock nut. Secure partition panel to outer side of vehicle using (2) 1/4-20 X 3/4" BH screws washers, and nylon lock nuts. Secure partition panel to shown center locations of kick panel with (2) 1/4-20 X 3/4" BH screws, washers, and nylon lock nuts. **(SET THE WASHERS WHERE SLOTS ARE PRESENT ON PARTS, DO NOT TIGHT HARDWARE AT THIS TIME.)**



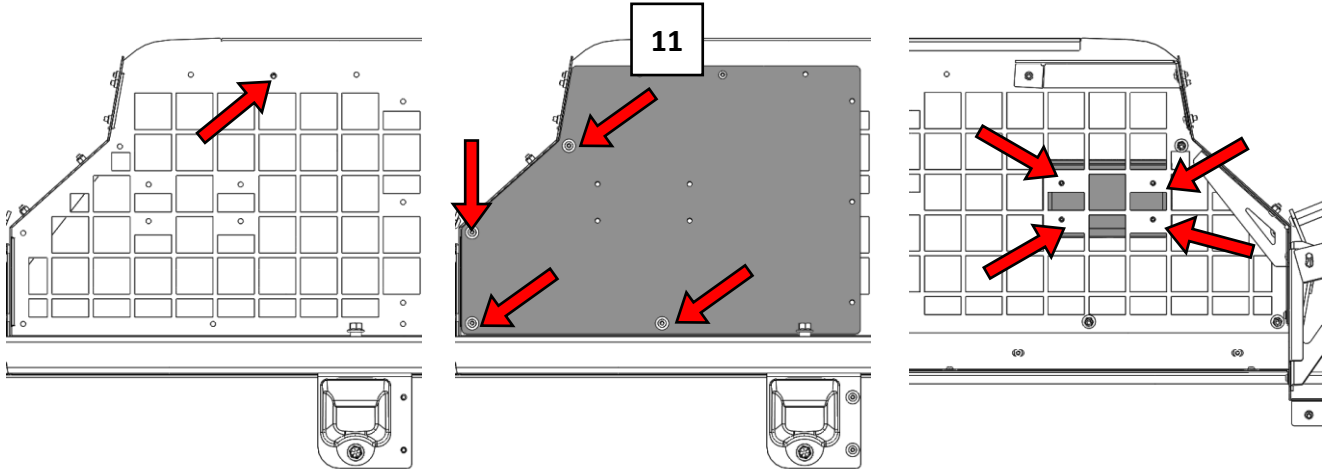
10E) Set lower wing in place and secure it to kick panel with (2) 1/4-20 X 3/4 BH screws and washers. Secure lower wing to partition panel at marked locations with (3) 1/4-20 X 3/4" BH screws, washers, and nylon lock nuts. **(SET THE WASHERS ON THE SHOWN FACE OF IMAGE, DO NOT TIGHT HARDWARE AT THIS TIME.)**



10F) Set upper wing in place and secure it to B pillar bracket with (1) 1/4-20 X 1" BH screws, (2) washers, one per fastening side, and (1) nylon lock nut. Secure upper wing to partition panel with (3) 1/4-20 X 1" BH screws, (6) washers one per fastening side, and (3) nylon lock nut. **DO NOT TIGHT HARDWARE AT THIS TIME.**



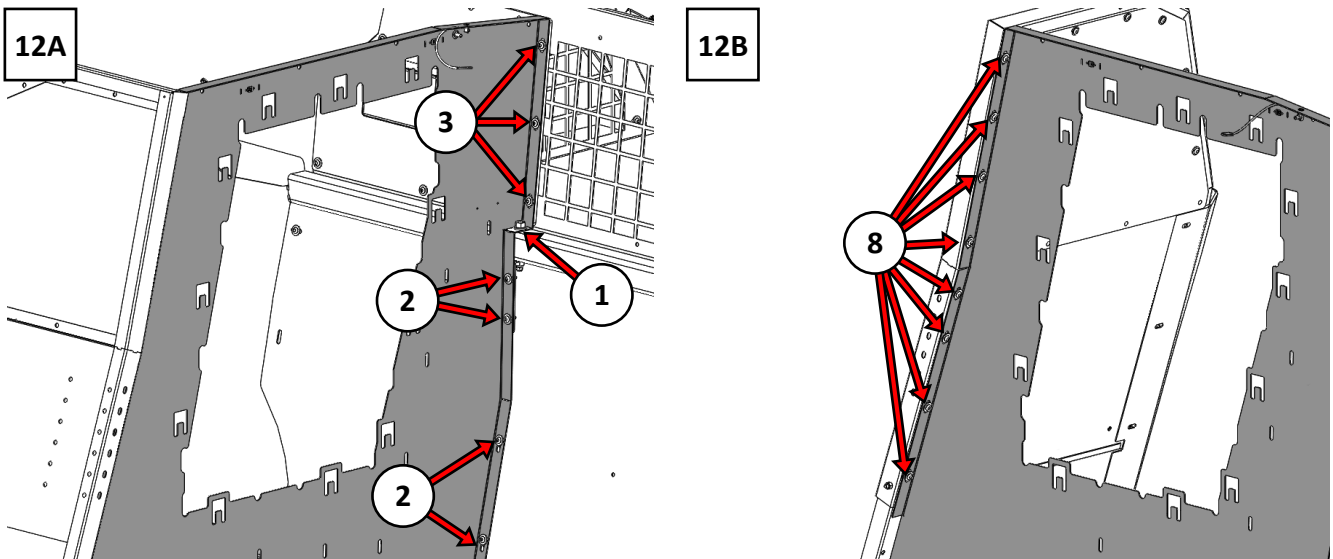
11.) Removed (1) marked screw from the rear partition installation. Remove protective film from poly panel and install it on partition upper panel with (4) 1/4-20 X 1" BH screw (8) washers, one per fastening side and (4) nylon lock nuts. Install padding block on poly panel from cargo area with (4) #10-32 X 3/4 BH screws.



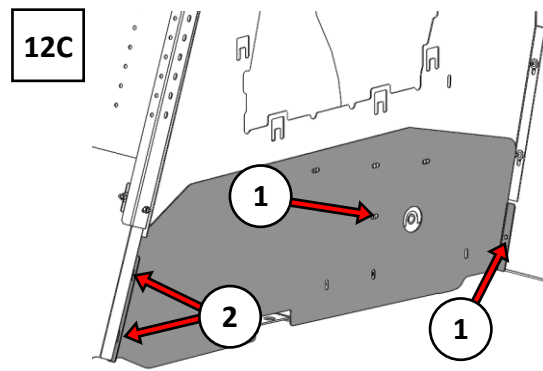
**12.) Install side panel weldment and lower side panel.**

12A) Remove door frame and install side panel to retractor bracket with (2) 1/4-20 X 3/4" BH screws and washers. Secure door frame to retractor SQ. tube bar with (1) 7/16-20 X 3" HH bolt. Secure side panel to upper rear partition panel with (3) 1/4-20 X 1" BH screws (6) washers one per fastening side and (3) nylon lock nuts. Secure side panel to lower partition panel with (2) 1/4-20 X 3/4" BH screws and washers. **DO NOT TIGHT HARDWARE AT THIS TIME.**

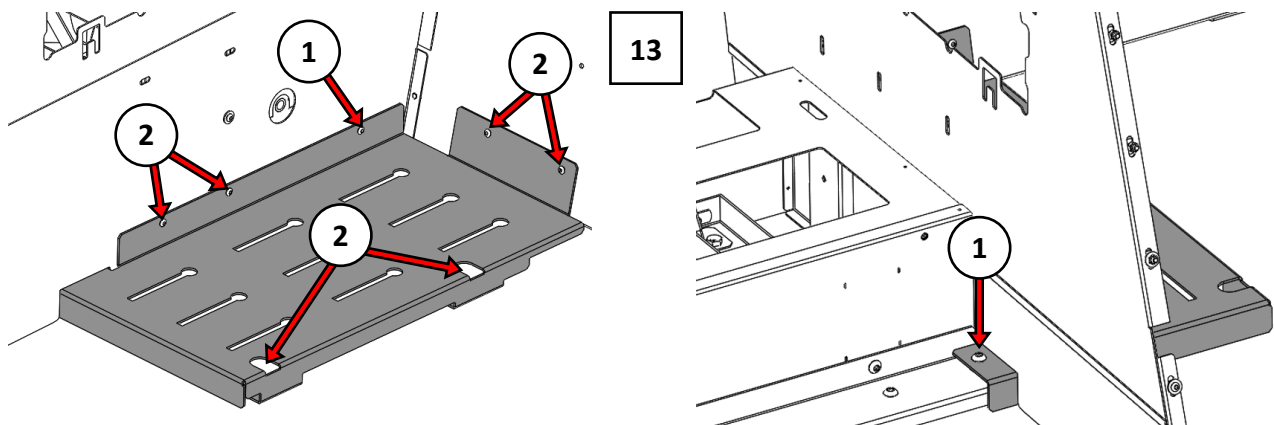
12B) Secure side panel to front partition with (8) 1/4-20 X 3/4 BH screws, washers, and nylon lock nuts.



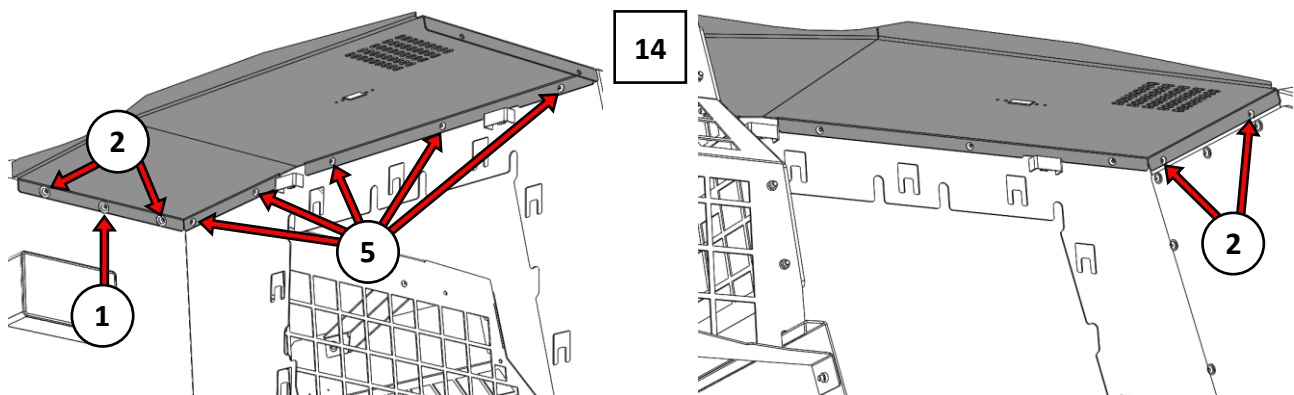
12C) Set lower panel in position and secure it at center position with the side panel using (1) 1/4-20 X 3/4 BH screw and washer. Secure lower panel to rear partition lower panel from the cargo area using (1) 1/4-20 nylon lock nut and washer. Secure lower panel to front partition panel with (2) 1/4-20 X 3/4" BH screws, washers, and nylon lock nuts. **DO NOT TIGHT HARDWARE AT THIS TIME.**



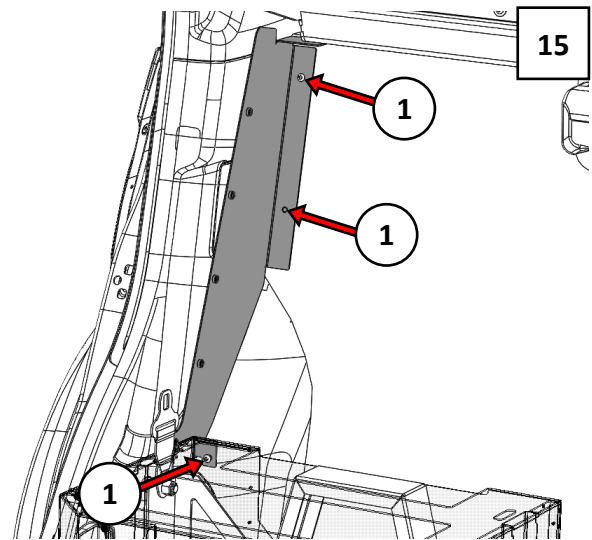
13.) Bring floor plate in position and secure it to side panel center area with (2) 1/4-20 X 3/4" BH screws. Secure floor plate to side panel rear mount point with (1) 1/4-20 X 3/4" BH screw, washer, and nylon lock nut. Secure floor plate to rear partition lower panel using (2) 1/4-20 X 3/4" BH screws, washers, and nylon lock nuts. Secure floor plate to vehicle floor with OEM seat hardware at (2) marked locations. Secure floor plate to vehicle floor from passenger side using (1) M10-1.5 X 60mm BH screw, make sure 1-3/4" spacer is present.



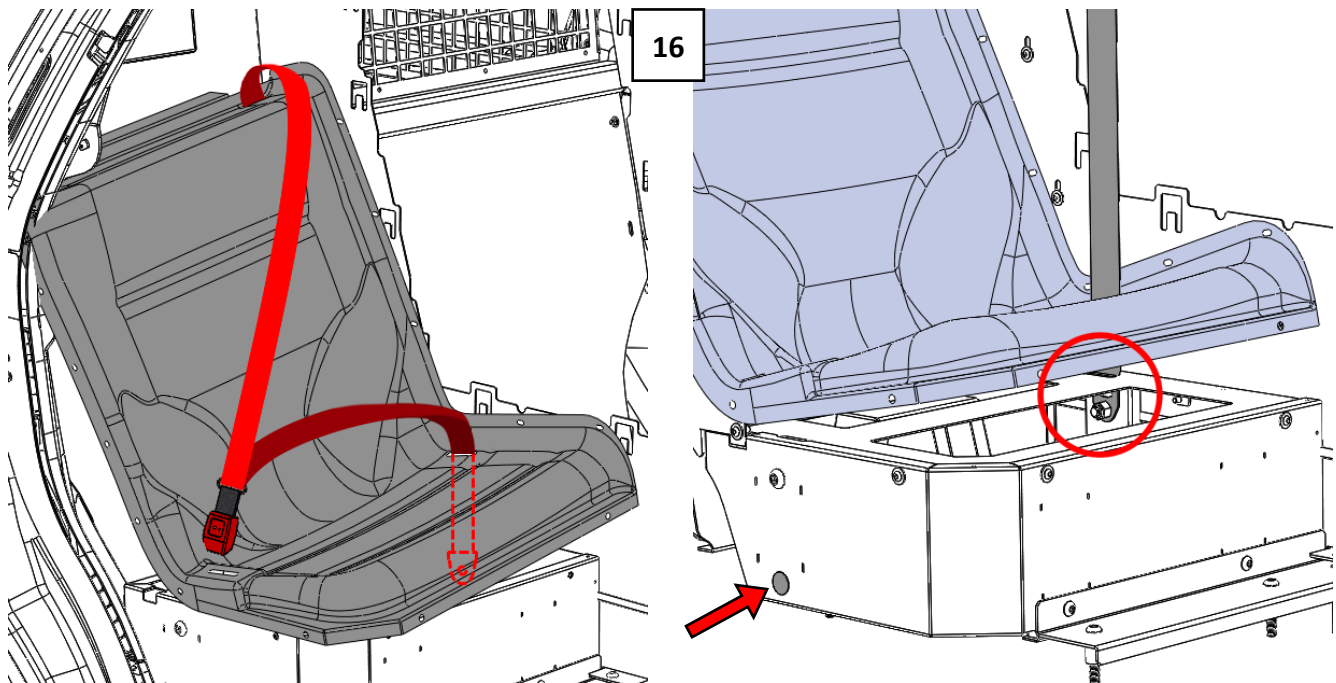
14.) Bring head liner panel in place and secure it to rear partition at center position with (1) 1/4-20 X 1" BH screw and washer. Secure head liner to side panel with (5) 1/4-20 X 3/4" BH screws and nylon lock nuts. Secure head liner panel to rear partition upper panel at side positions using (2) 1/4-20 X 1" BH screws, washers and nylon lock nuts. Secure head liner panel to front partition using (2)



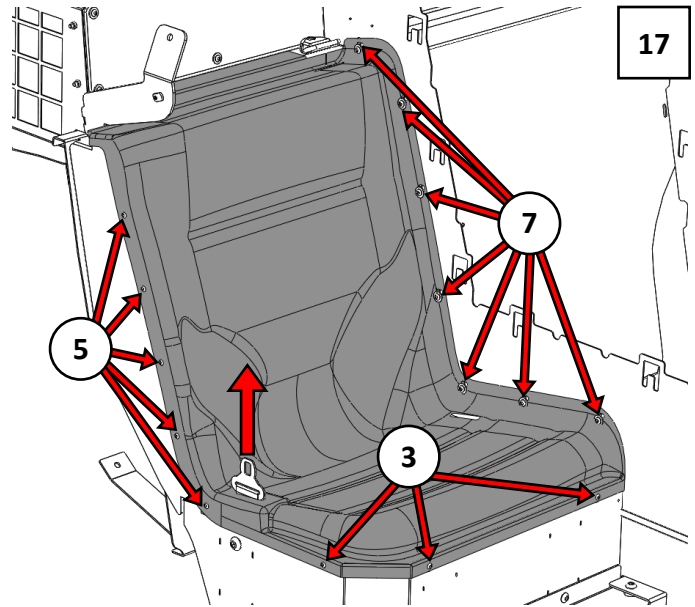
- 15.) Remove rear partition upper screw and re-use it to attach plastic seat side gap panel at top. From cargo area secure gap panel using (1) 1/4-20 nylon lock nut and washer at middle mount point. Secure gap panel to seat frame module, drive (1) 1/4-20 X 3/4" BH screw from inside the seat frame. Secure gap panel from under the SQ. tubing using (1) 1/4-20 X 3/4" BH screw. **TIGHT DOWN ANY LOOSE HARDWARE FROM PREVIOUS STEPS.**



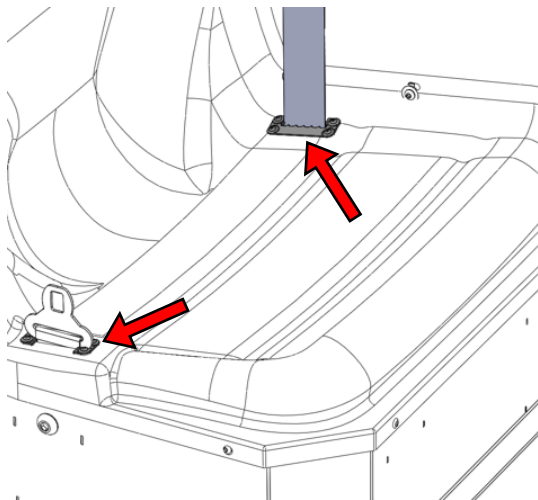
- 16.) Insert buckle onto belt, route belt trough top cutout of plastic seat and in the shown shape, route belt down through the side cutout near the single cell side panel, tightly secure belt tongue to lower mount point on seat module using (1) 1/2-13 X 1-3/4" BH SCREW and a nylon lock nut, insert screw from second seat driver side. Close off seat module access hole using the 7/8" plastic cap.



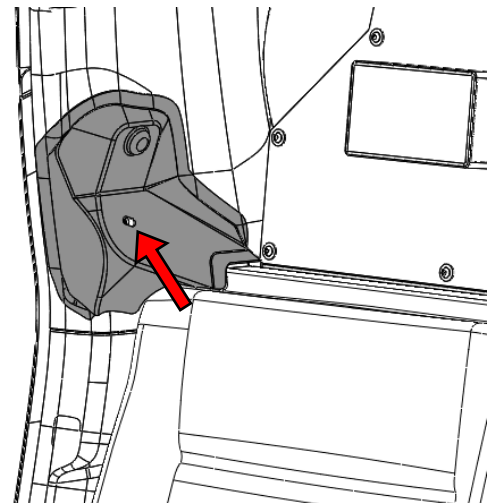
17.) Set plastic seat in position and pull hip side tongue up trough plastic seat outer side cutout, zip ties can be used to attach to hip side tongue to ease on this process. Secure plastic seat to seat module using (3) 1/4-20 X 3/4" BH screws and washers, Secure plastic seat to side gap panel using (5) 1/4-20 X 3/4" BH screws and washers. Secure plastic seat to single cell side panel using (7) 1/4-20 X 3/4" BH screws and washers.



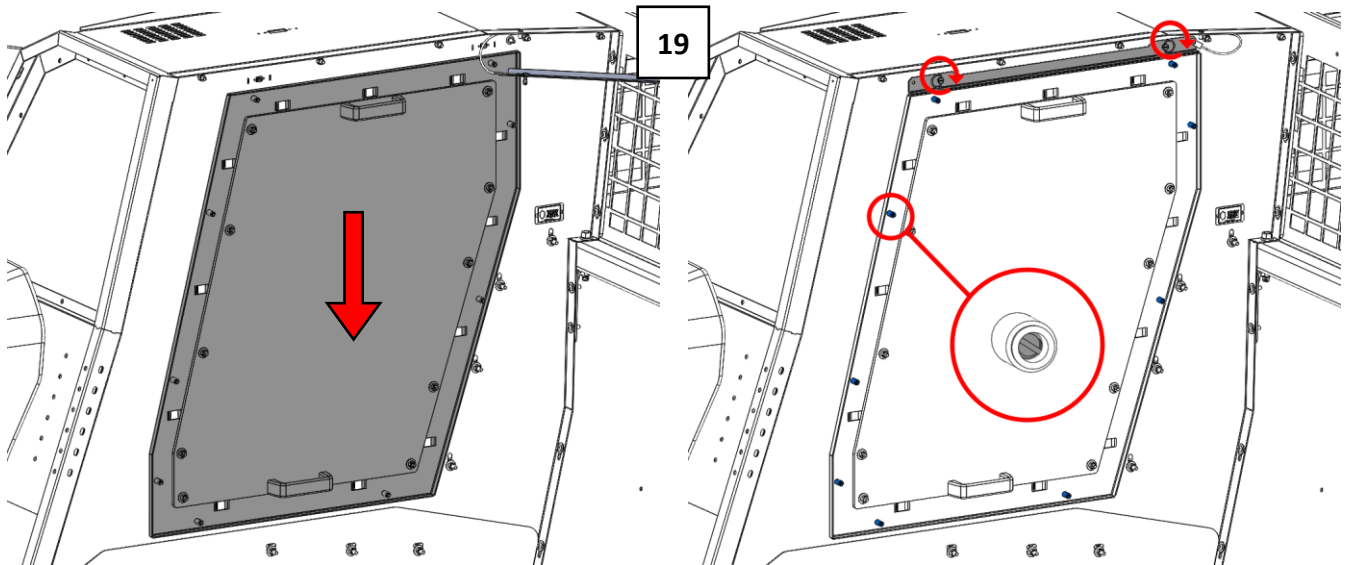
18.) Set tooth retainers in place, push them against the hip side tongue webbing as shown and secure them to the plastic seat using (4) #6 X 5/8" PH Phillips drive black sheet metal screws, repeat sequence at belt webbing side near single cell divider panel. Install passenger side plastic ear cover using (1) 1/4-20 X 3/4" BH screw and washer, it might be necessary to pull out on the weather strip in order to insert the ear cover under it.



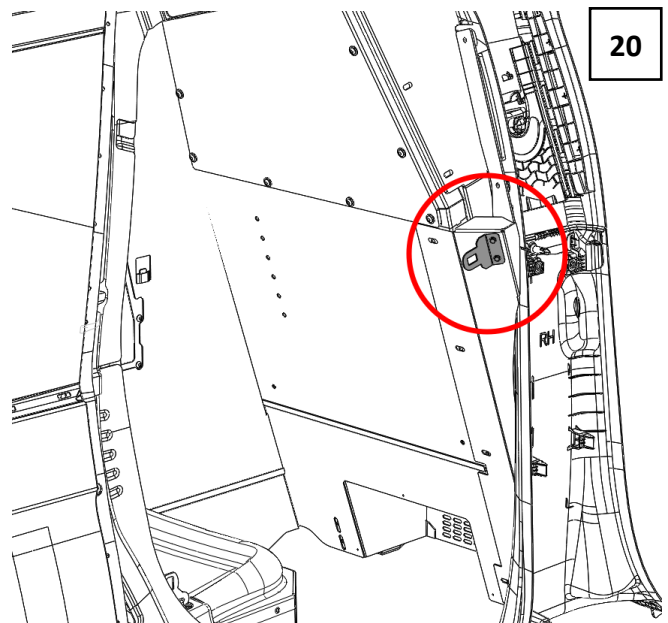
18



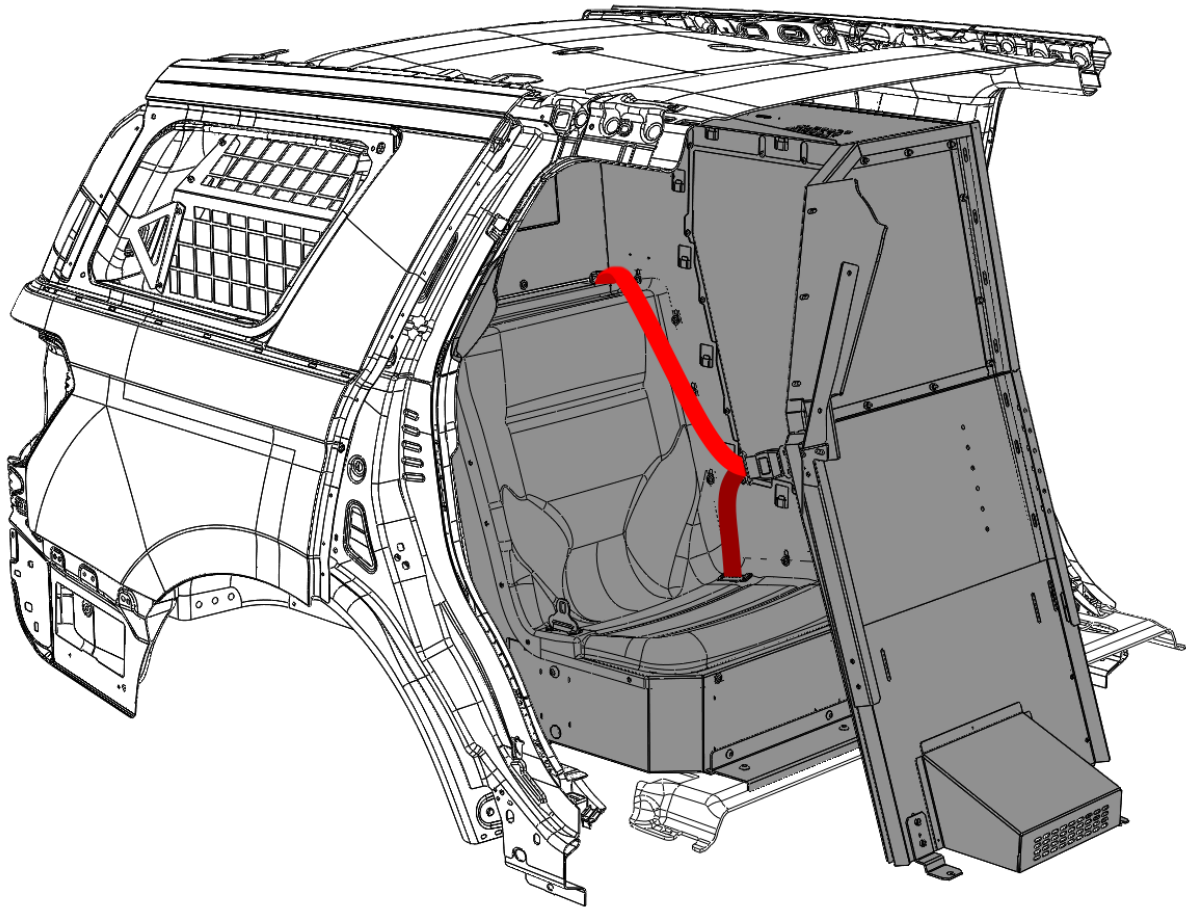
- 19.) Insert door panel in single cell side panel, bridge-like shapes from door panel are to engage with tabs from side panel. Set locking bracket in position, D ring stud are to align with the wire receptacles, as these items are aligned turn the D ring studs 90° clockwise in order to lock the bracket in place. Tight all (9) ball plungers in order to keep a stiff fit on the door panel.



- 20.) Install the buckle holder on a desired position at the B pillar lower wing using (2) #10 X 1" self-tapping screws, double check the position of the OEM door at the closed position before installing the buckle holder since door might interfere with the holder bracket.



21.) Re-install driver second row individual seats back.



**⚠ CAUTION ⚠**

**CHEMICAL CLEANERS** will damage plastic seats and parts.

**CLEAN ONLY** with mild antibacterial soap and water.

**PTS**

Your installation is now complete. If you have any questions or suggestions for adding additional instructions, please call **Customer Service at (800) 700-8769**.