



March 17, 2023

Revision 0

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

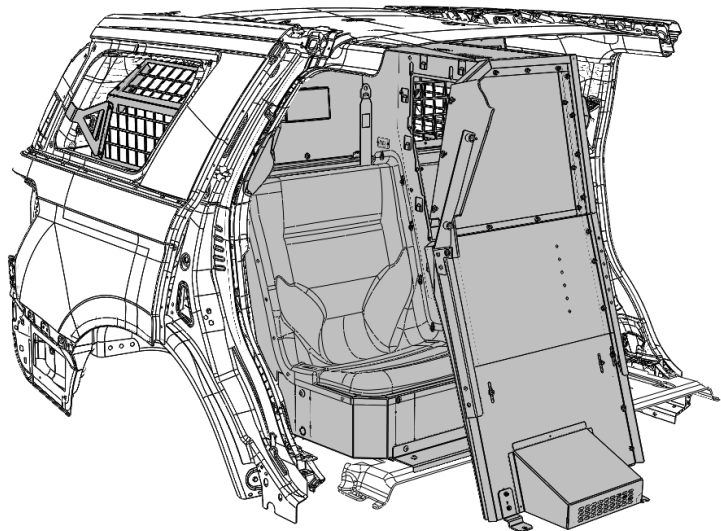
Part No: TP-18XP-SC
Description: 2018+ FORD EXPEDITION SINGLE CELL

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.)

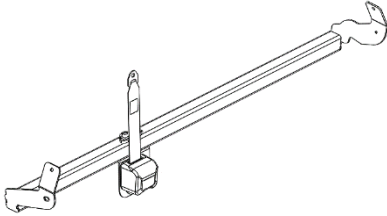
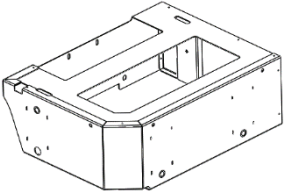
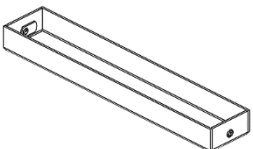
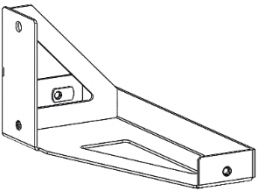
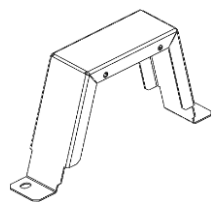
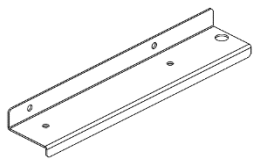
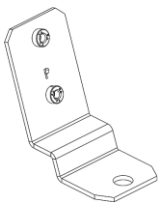
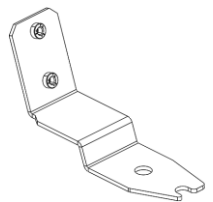
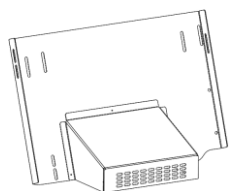
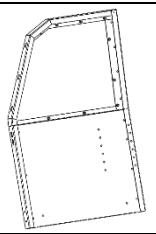
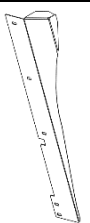
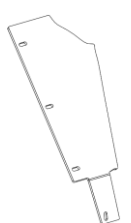
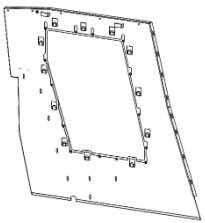


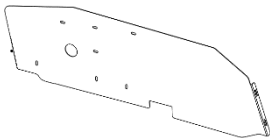
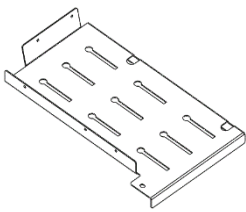
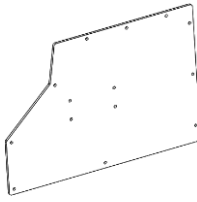
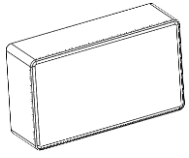
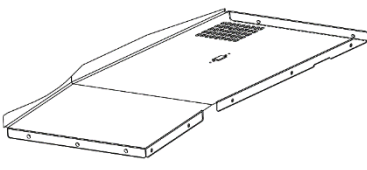
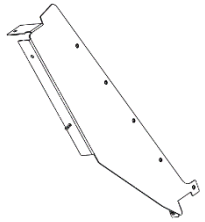
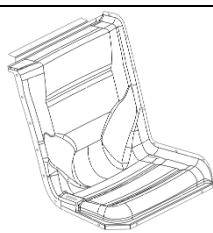
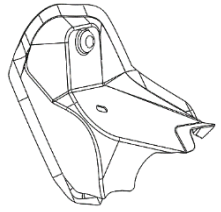
Quick Guide

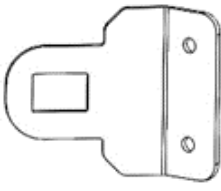
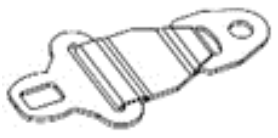
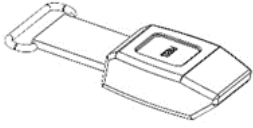
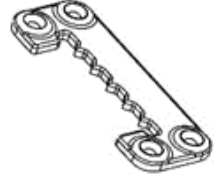
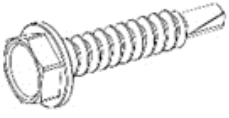
1. Remove second row of seats and C pillar upper plastic trims, pull lower C pillar plastic trims away and remove lower seat belt mounting points at both sides.
2. Pull-out seat belts from upper C pillar plastic trims.
3. Prep upper C pillar trims by making Ø1-1/4" clearance holes for the retractor bar 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.

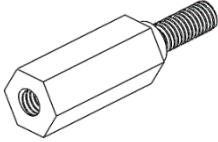
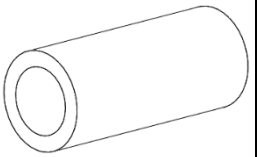
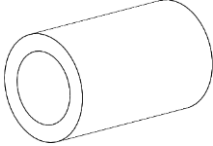
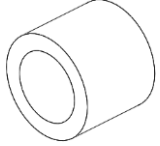
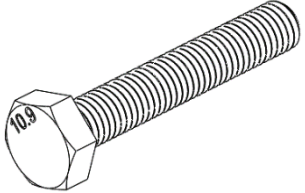
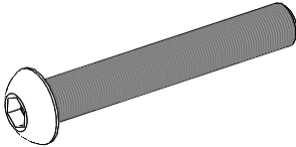
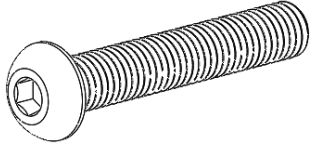
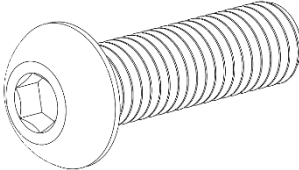
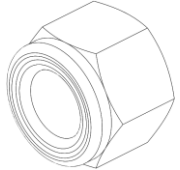
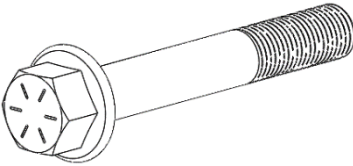
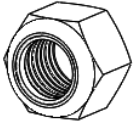
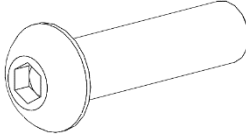
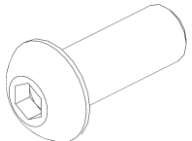
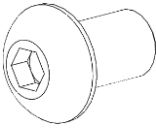
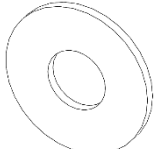
TP-18XP-SC

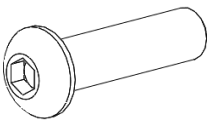
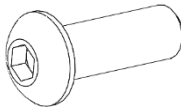
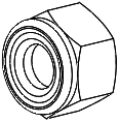
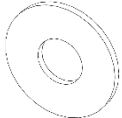
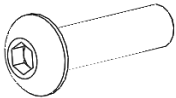
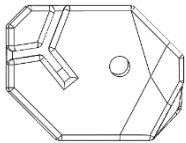
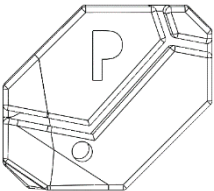
TP-18XP-SC - BILL OF MATERIALS

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

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

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

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

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

Installation

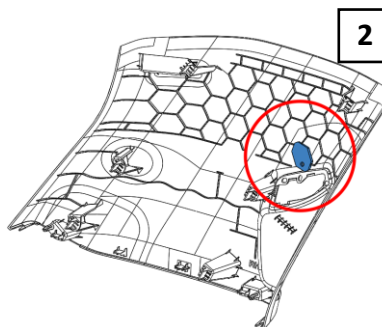
- 1.) Disconnect harnesses and remove second row of seats and C pillar upper plastic trims, pull lower C pillar plastic trims away and remove lower seat belt mounting points at both sides (Ford utility vehicle reference picture shown).



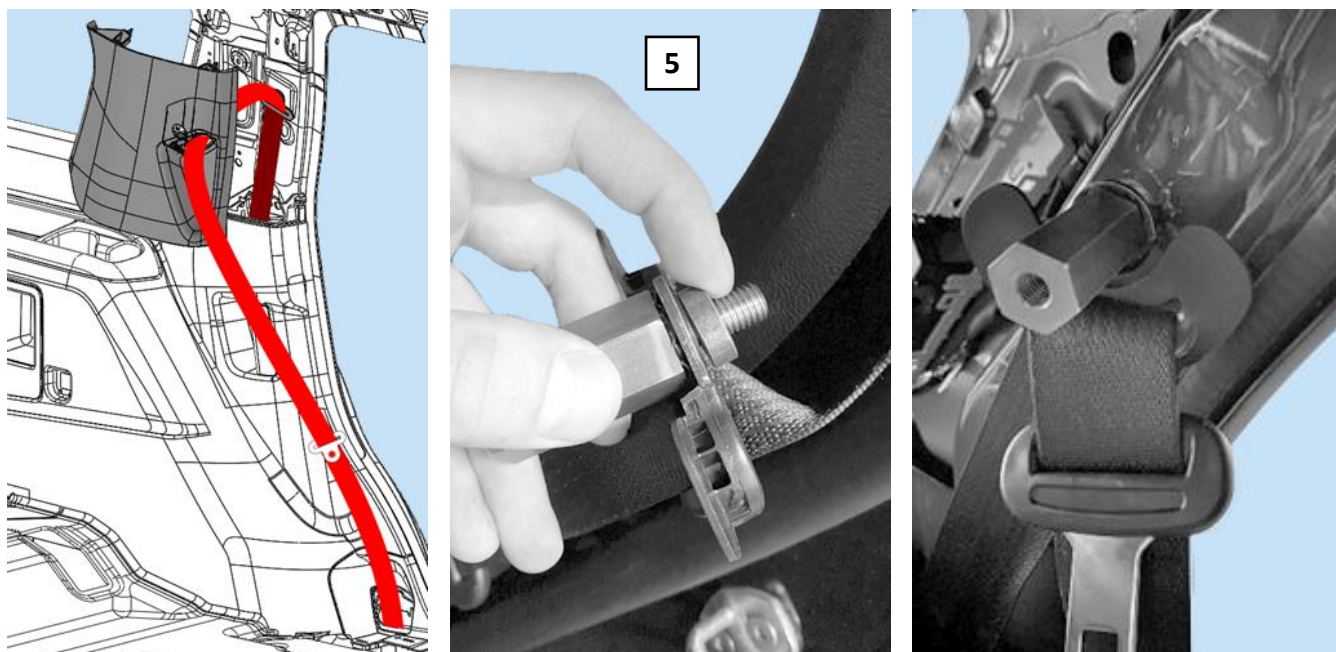
- 2.) Pull-out seat belts from upper C pillar plastic trims cutouts.

- 3.) Place the drill templates on honeycomb pattern at the back of side of the C pillar trims and make $\varnothing 1/8$ " pilot holes, passenger side template an identifier letter 'P'.

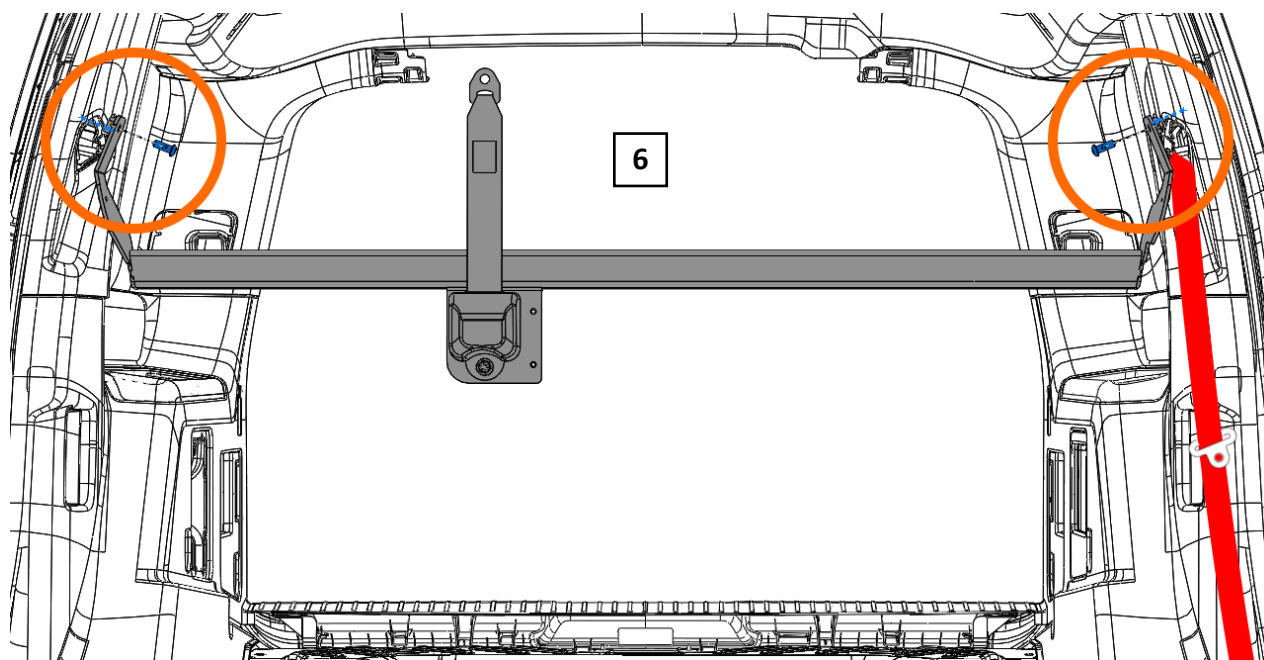
Use the pilot hole as a guide to drill $\varnothing 1-1/4$ " holes with the hole saw.



- 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.

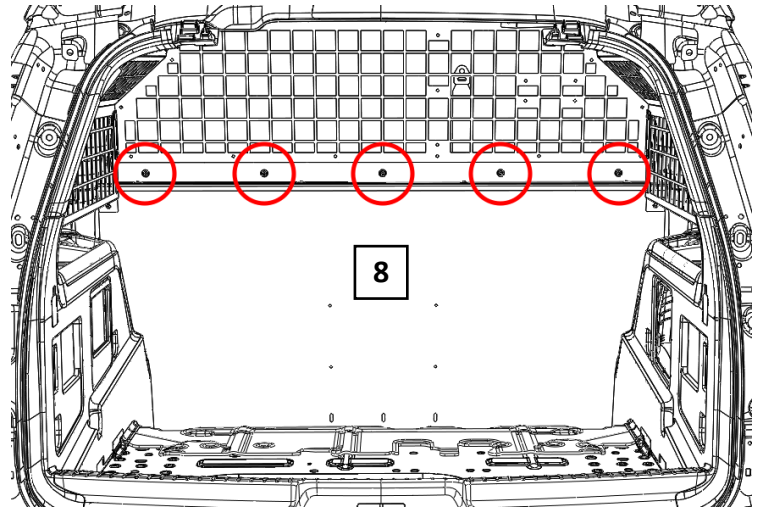


- 6.) Install a secondary standoff with the OEM spacer on the passenger side, Install the retractor bar assembly to the stand offs at both sides with (2) BH 3/8-16 X 1" bolts using the X Allen key, **DO NOT TIGHT BOLT AT THIS TIME.**



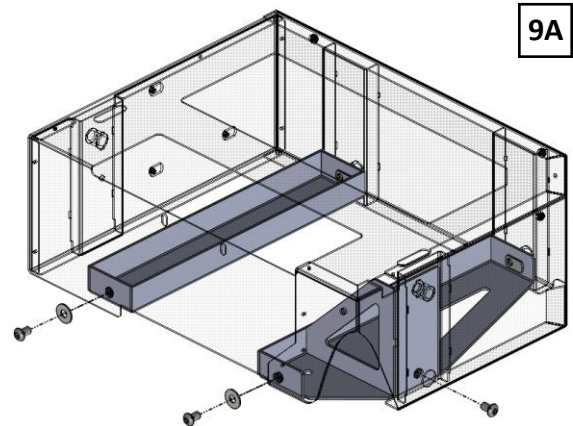
- 7.) Install rear cage assembly (refer to TP-EXP18-R installation instructions document).

- 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**.

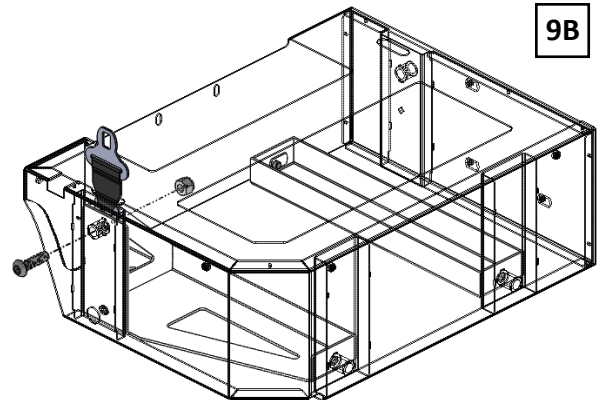


- 9.) **Put together and Install seat mount module and hip side tongue, install side gap panel.**

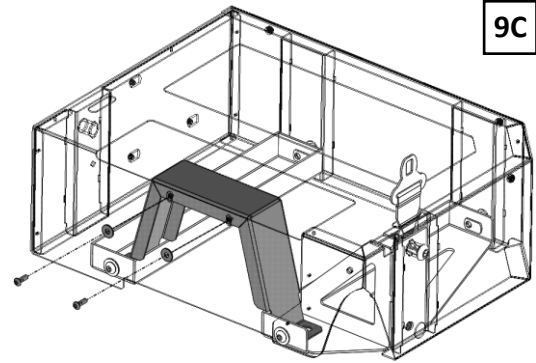
9A) Place seat mount weld 1 & 2 components inside the seat support frame as shown and secure them with (1) 3/8-16 X 5/8" BH screw on the short side and (2) 3/8-16 X 5/8" BH screws with 3/8 washers on the long side.



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.

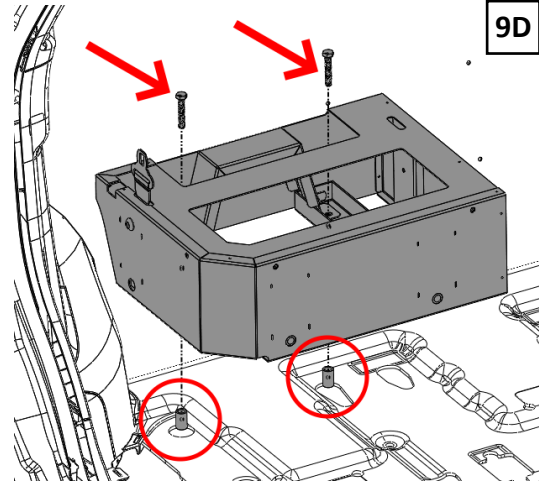


9C) Place under seat bracket inside seat support frame as shown and secure it with (2) 1/4-20 X 3/4" BH screws and washers.



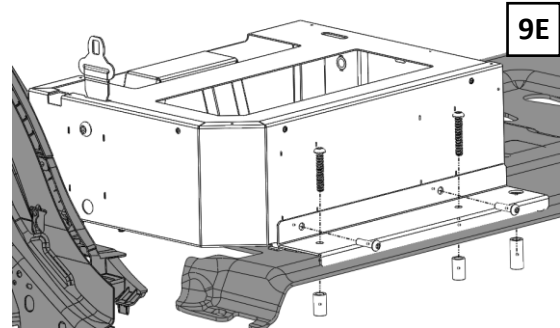
9C

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.



9D

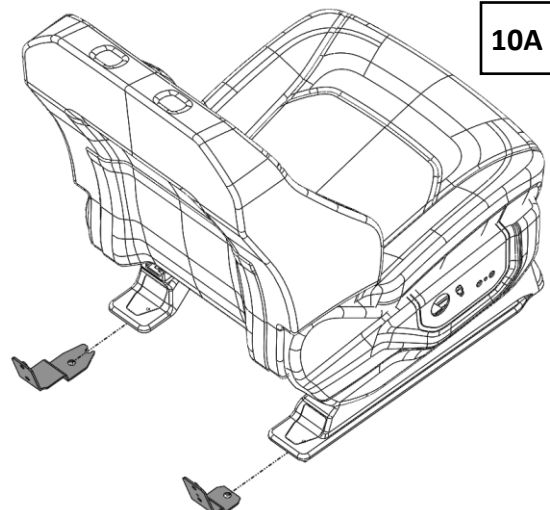
9E) Position seat front bracket as shown, place (2) 1-1/4" spacers towards the outside of vehicle and place (1) 1-3/4" spacer towards the center of vehicle under seat front bracket. Secure components to vehicle floor with (2) M10-1.5 X 60mm BH bolts. Secure front bracket to seat module with (2) 3/8-16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



9E

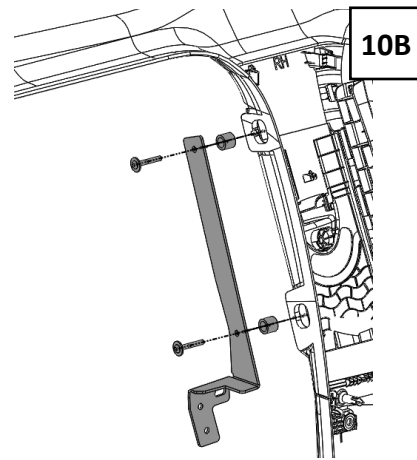
10.) Install passenger seat foot brackets, B pillar bracket, kick panel, front partition, lower and upper wing.

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.**

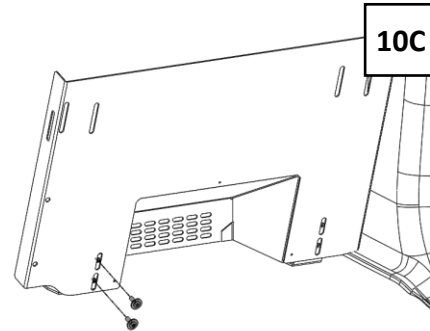


10A

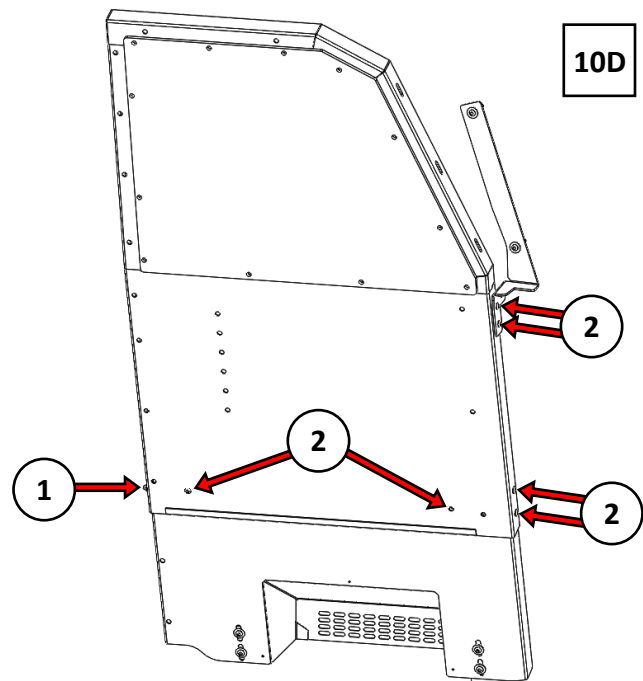
10B) Remove passenger side B pillar handle and install B pillar bracket with (2) 5/8" spacers (2) M6-1.0 X 40mm BH screws and (2) 1/4" washers as shown, tightly secure hardware.



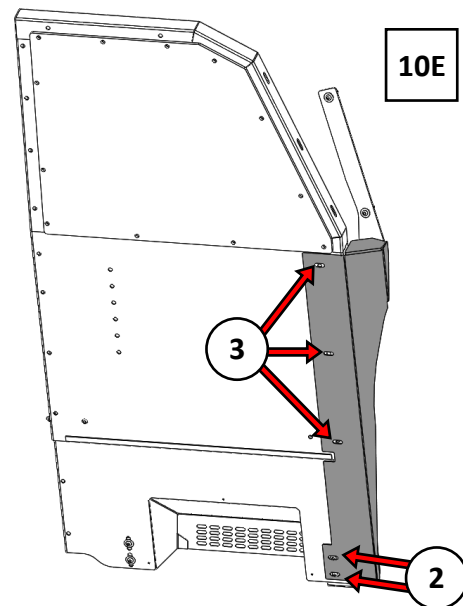
10C) Bring kick panel in place and secure it to foot brackets with (2) 1/4-20 X 3/4" BH screws and (2) 1/4 washers. **DO NOT TIGHT HARDWARE AT THIS TIME.**



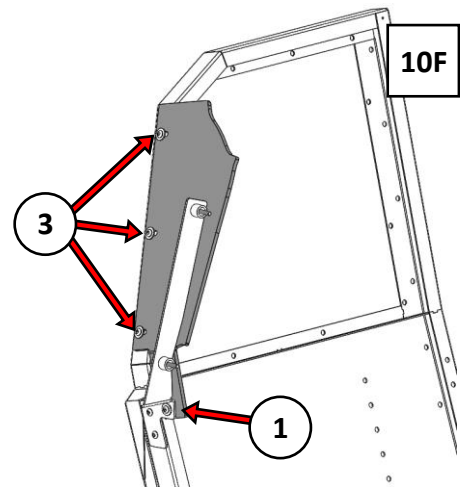
10D) Insert partition panel to kick panel, secure it to B pillar bracket using (2) 1/4-20 X 3/4" BH screws washers, and nylon lock nuts. Secure partition to kick panel at inner side of vehicle with (1) 1/4-20 X 3/4" BH screw, washer, and nylon lock nut. Secure partition panel to outer side of vehicle 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.)**



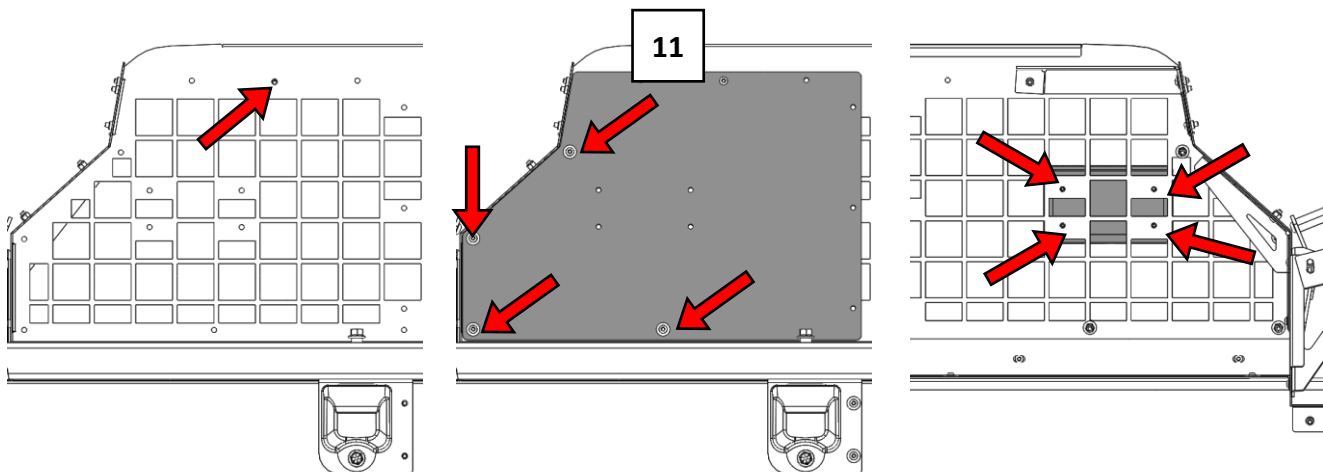
10E) Set lower wing in place and secure it to kick panel with (2) 1/4-20 X 3/4 BH screws and washers. Secure lower wing to partition panel at marked locations with (3) 1/4-20 X 3/4" BH screws, washers, and nylon lock nuts. **(SET THE WASHERS ON THE SHOWN FACE OF IMAGE, DO NOT TIGHT HARDWARE AT THIS TIME.)**



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.**



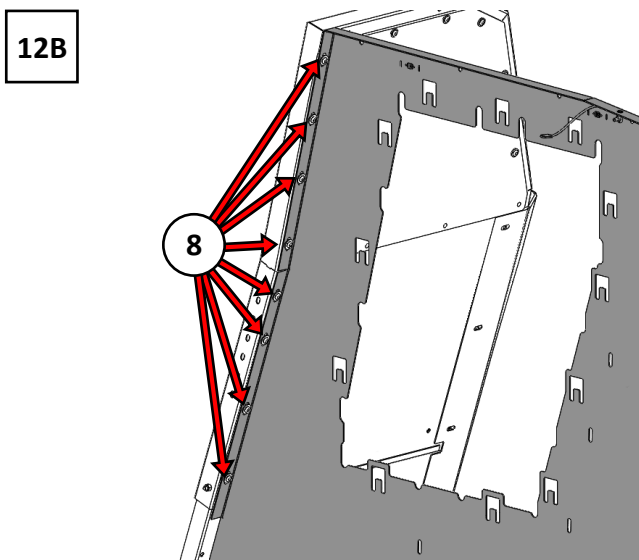
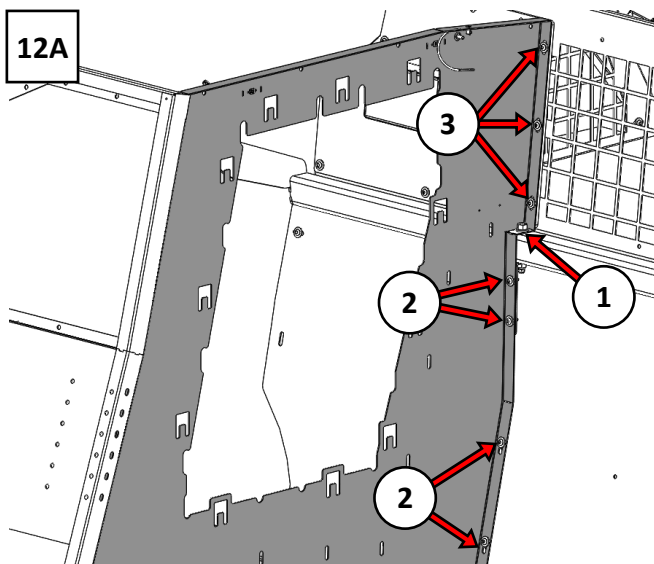
11.) Removed (1) marked screw from the rear partition installation. Remove protective film from poly panel and install it on partition upper panel with (4) 1/4-20 X 1" BH screw (8) washers, one per fastening side and (4) nylon lock nuts. Install padding block on poly panel from cargo area with (4) #10-32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



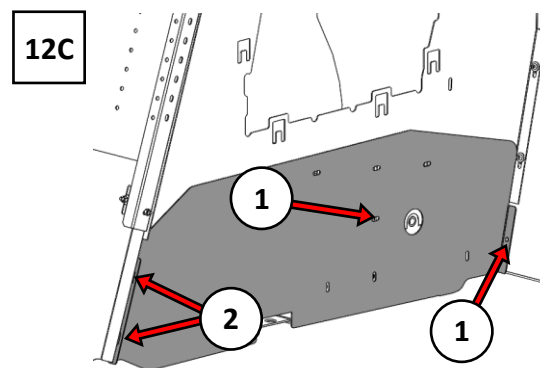
12.) Install side panel weldment and lower side panel.

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.**

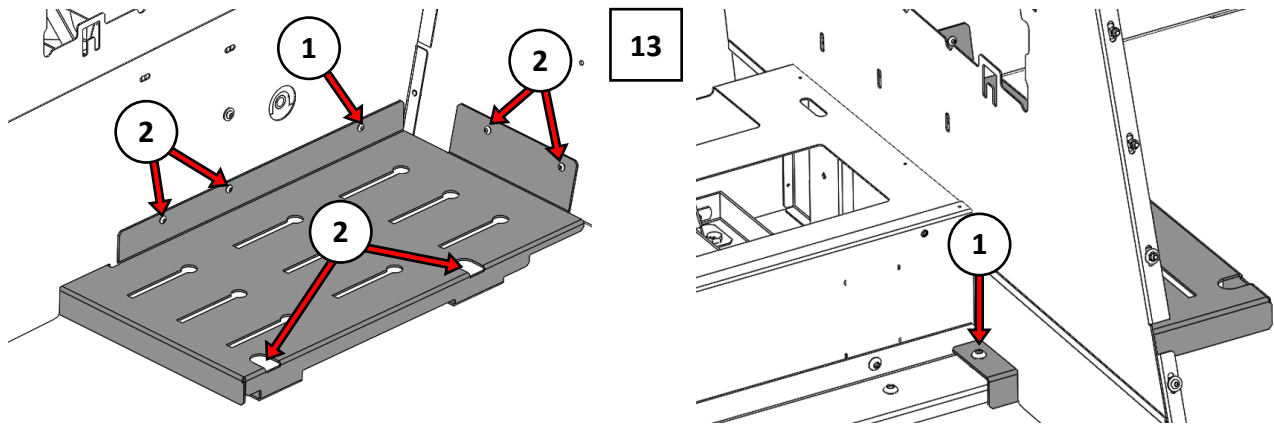
12B) Secure side panel to front partition with (8) 1/4-20 X 3/4 BH screws, washers, and nylon lock nuts.



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.**



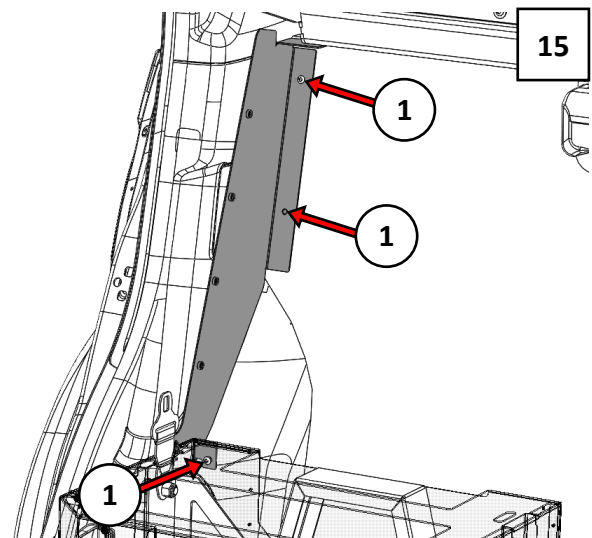
- 13.) Bring floor plate in position and secure it to side panel center area with (2) 1/4-20 X 3/4" BH screws. Secure floor plate to side panel rear mount point with (1) 1/4-20 X 3/4" BH screw, washer, and nylon lock nut. Secure floor plate to rear partition lower panel using (2) 1/4-20 X 3/4" BH screws, 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.



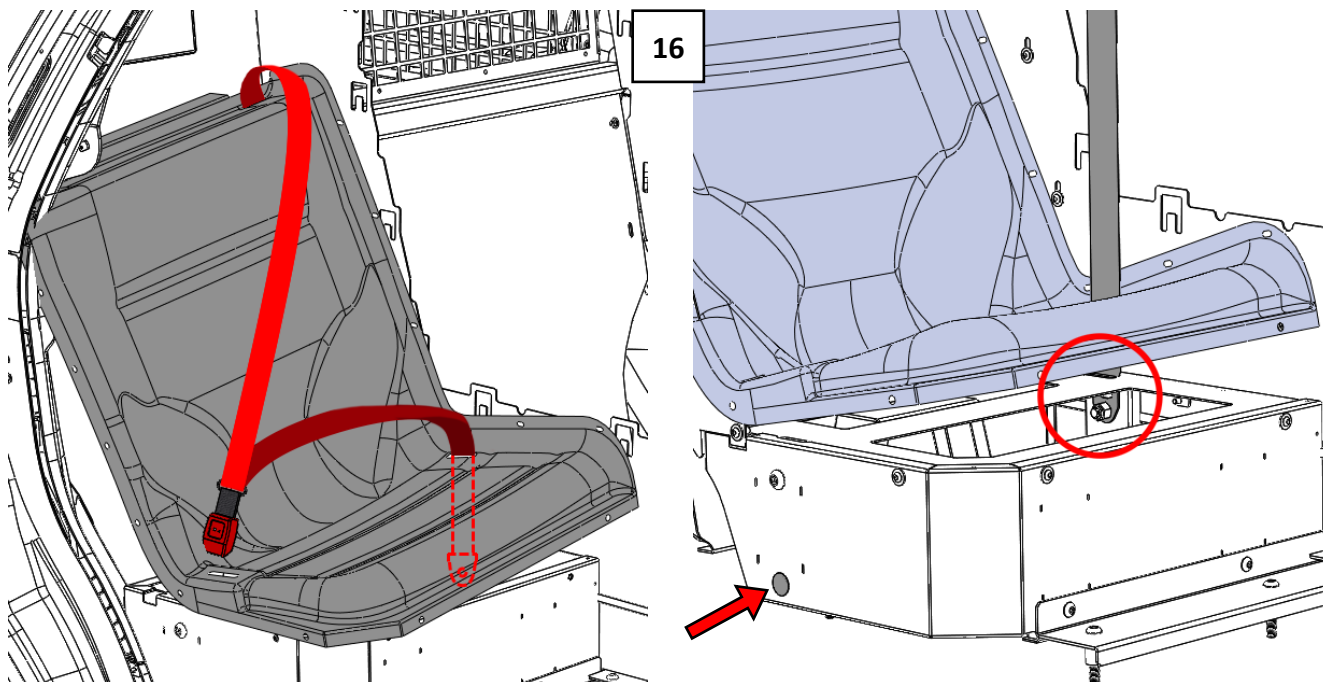
- 14.) Bring head liner panel in place and secure it to rear partition at center position with (1) 1/4-20 X 1" BH screw and washer. Secure head liner to side panel with (5) 1/4-20 X 3/4" BH screws and nylon lock nuts. Secure head liner panel to rear partition upper panel at side positions using (2) 1/4-20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



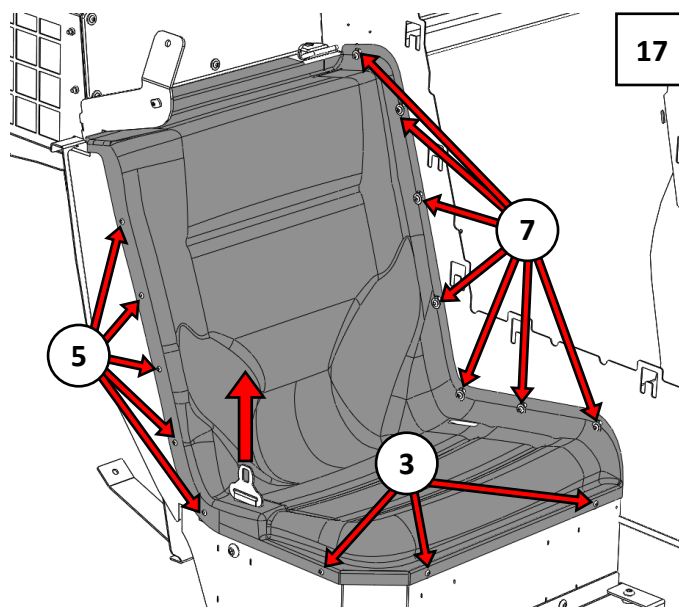
- 15.) Remove rear partition upper screw and re-use it to attach plastic seat side gap panel at top. From cargo area secure gap panel using (1) 1/4-20 nylon lock nut and washer at middle mount point. Secure gap panel to seat frame module, drive (1) 1/4-20 X 3/4" BH screw from inside the seat frame. Secure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



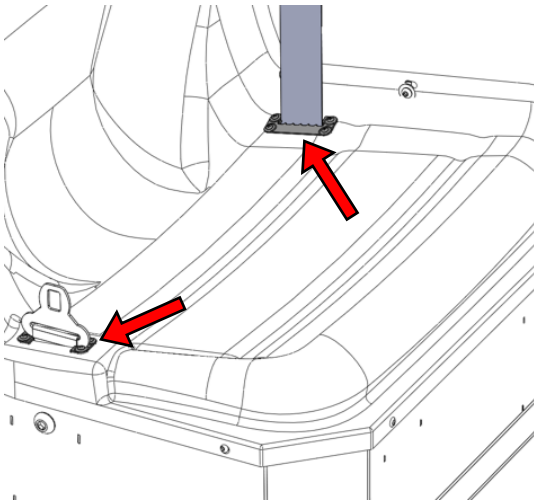
- 16.) Insert buckle onto belt, route belt trough top cutout of plastic seat and in the shown shape, route belt down through the side cutout near the single cell side panel, tightly secure belt tongue to lower mount point on seat module using (1) 1/2-13 X 1-3/4" BH SCREW and a nylon lock nut, insert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



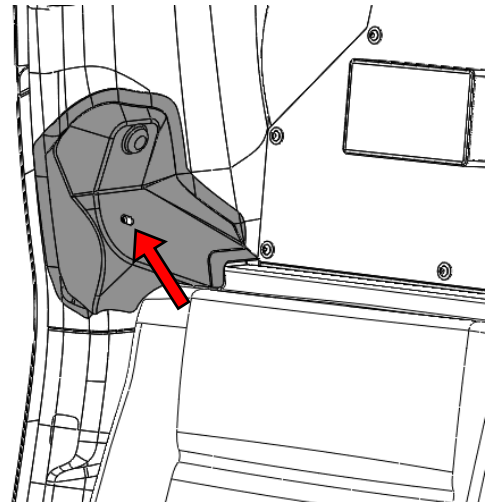
- 17.) Set plastic seat in position and pull hip side tongue up trough plastic seat outer side cutout, zip ties can be used to attach to hip side tongue to ease on this process. Secure plastic seat to seat module using (3) 1/4-20 X 3/4" BH screws and washers, Secure plastic seat to side gap panel using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



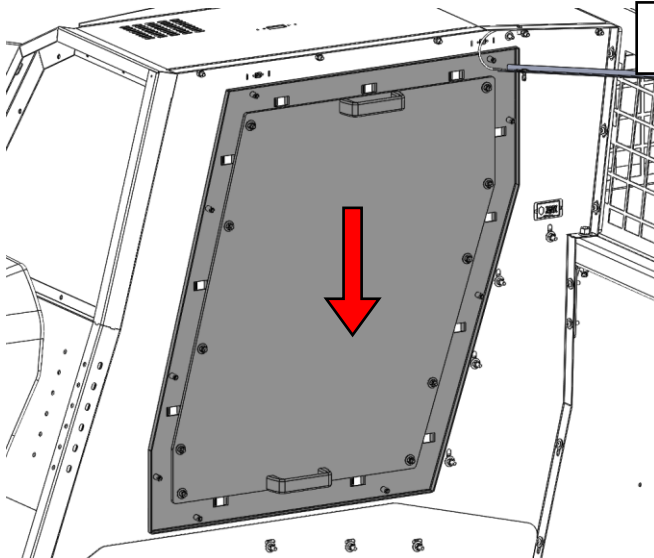
- 18.) Set tooth retainers in place, push them against the hip side tongue webbing as shown and secure them to the plastic seat using (4) #6 X 5/8" PH Phillips drive black sheet metal screws, repeat sequence at belt webbing side near single cell divider panel. Install passenger side plastic ear cover 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.



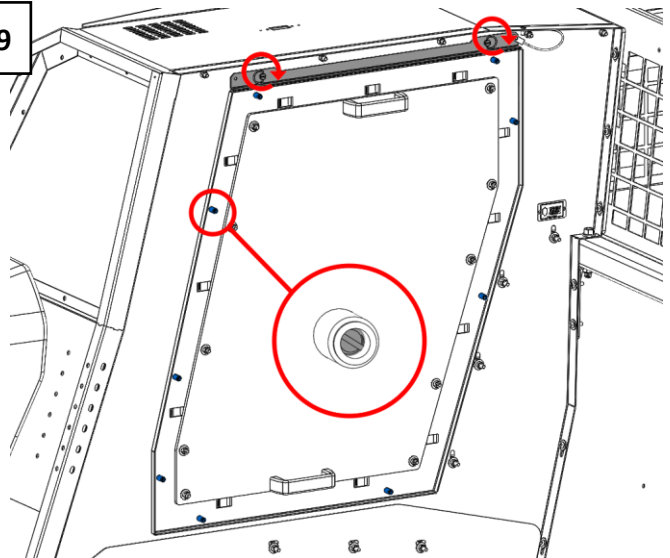
18



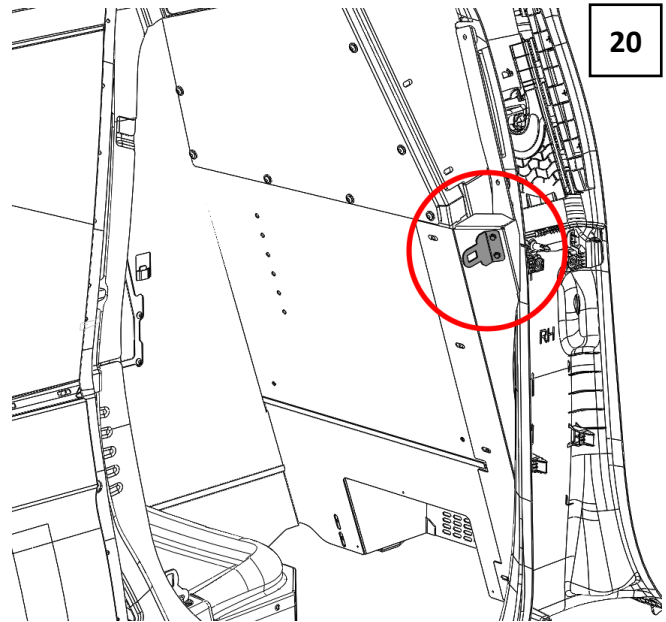
- 19.) Insert door panel in single cell side panel, bridge like shapes from door panel are to engage with tabs from side panel. Set locking bracket in position, D ring stud are to align with the wire receptacles, as these items are aligned turn the D ring studs 90° clockwise in order to lock the bracket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



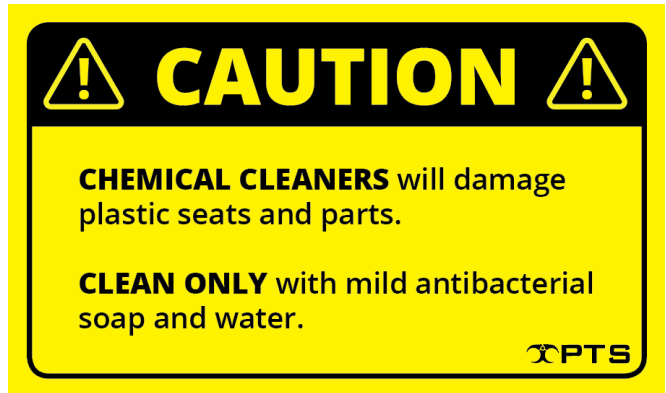
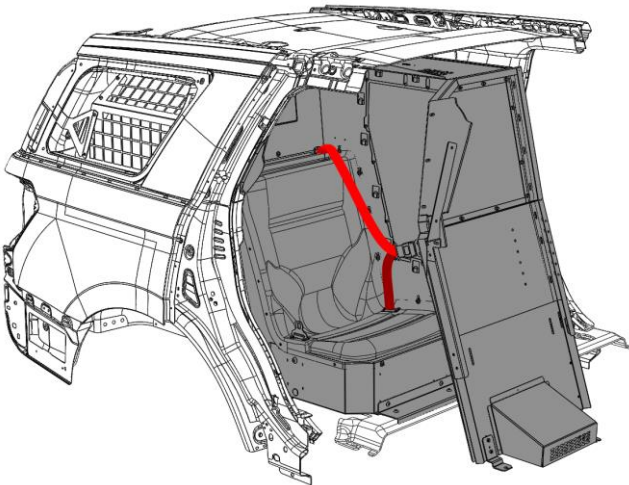
19



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 seat back.



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