



May 21, 2022

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: EM-21TH-CRGDCK-SSTK-2DWR
Description: Cargo Deck with Stop Stick Storage

Vehicle: Chevrolet Tahoe
Model year: 2021+



Troy Products recommends reading through all installation instructions prior to installation to check that all necessary parts have been included. To comply with manufacturer's safety ratings, all OEM self-threading bolts that are removed must be discarded and replaced with unused bolts at manufacturer's torque requirement.

Tools Required

Wrenches: 8mm, 15mm, 7/16, ½

Drivers: 5/32

Misc: Dremel or similar cutting tool, utility knife

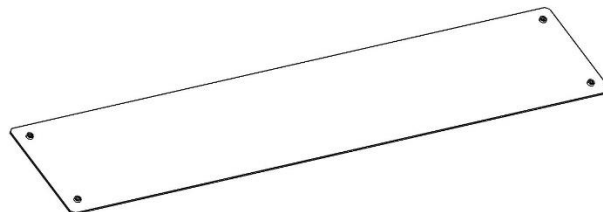
Tools Required for Civilian Model

Wrenches: 15mm, 7/16, ½

Drivers: 5/32

Misc: Dremel or similar cutting tool, utility knife

The hardware pack, drawer keys, and instructions are located in box 2 of 3, wrapped up with part #plt.

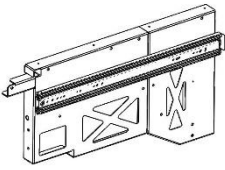
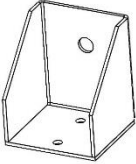
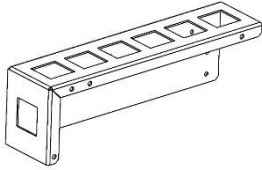
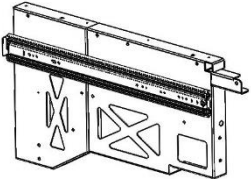
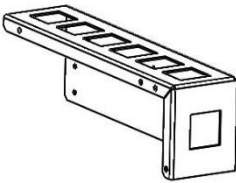
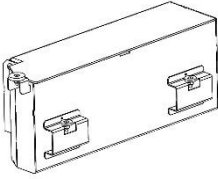
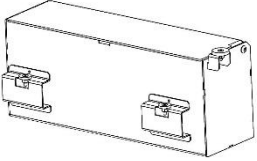
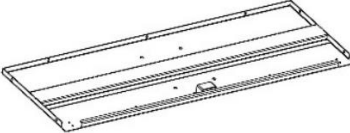
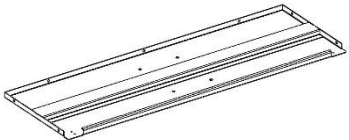
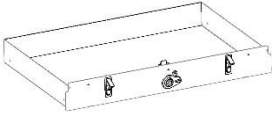
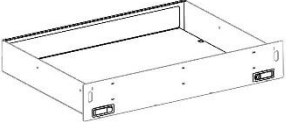
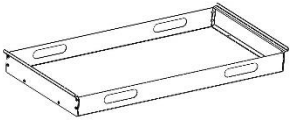
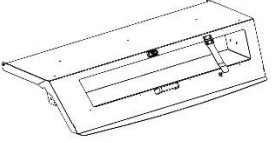


Quickstart Guide

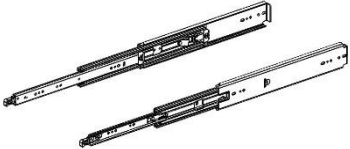
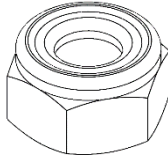
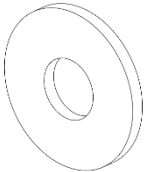
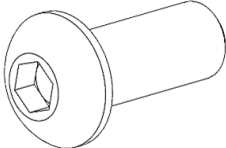
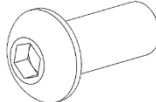
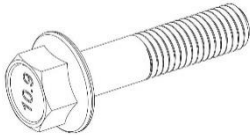
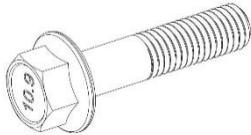
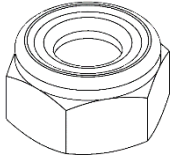
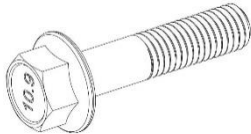
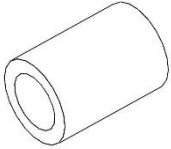
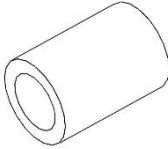
1. Attach slides and slide mounts (5400-18, #sbd, #sbp) to driver and passenger frame legs, respectively. Attach frame leg foot brackets (#fb). The brackets are not one-sided; either bracket can go on either leg.
2. Affix side legs (#pla, #dla) loosely to vehicle floor after cutting access holes in vehicle floor mat.
3. Attach rear channel (#rcb) to frame legs and tighten channel fasteners.
4. Attach top panels (#xpw, #xpw2) to side legs, noting that lock channel on #xpw2 should be oriented toward rear of vehicle.
5. Mount upper and lower drawers (#da2, #da) to frame legs, ensuring they close properly.
6. Tighten M10 frame mounting hardware.
7. Attach auxiliary storage buckets (#dba, #pba) to frame legs with alignment plate (#plt) underneath buckets to ensure proper spacing.
8. Attach lid assembly to frame legs.
 - a. This is done most easily by mounting the lid in an open (90deg) position and sliding a 3/16" shim under the lid to raise it to the proper height.
9. Install gas springs with gas reservoir oriented toward **lid, not frame**.

EM-21TH-CRGDCK-SSTK-2DWR

EM-21TH-CRGDCK-SSTK-2DWR - BILL OF MATERIALS

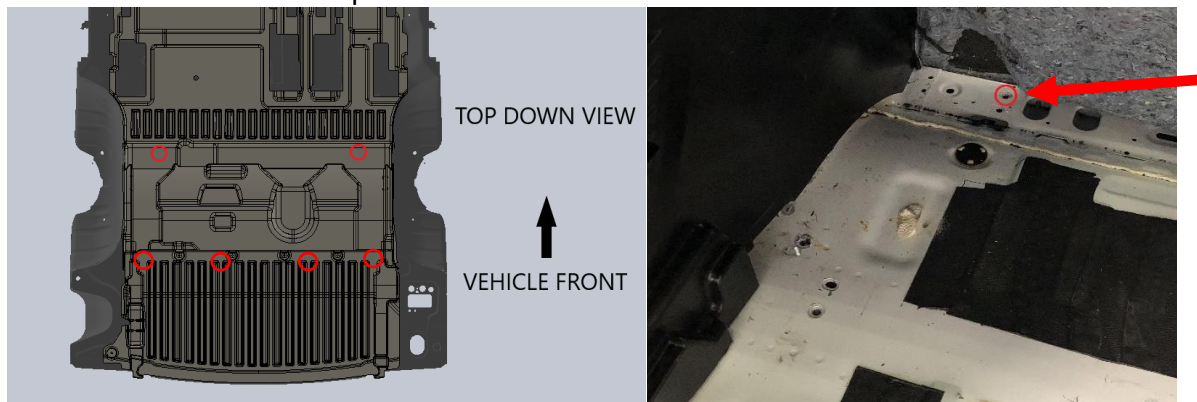
PARTS	
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#dla Description: DRIVER LEG ASSEMBLY QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#fb Description: FOOT BRACKET QTY: 2 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#sbd Description: SIDE BRACKET DRIVER QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#pla Description: PASSENGER LEG ASSEMBLY QTY: 1 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#sbp Description: SIDE BRACKET PASSENGER QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#rcb Description: REAR CROSS BRACE QTY: 1 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#dba Description: DRIVER BUCKET ASSEMBLY QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#pba Description: PASSENGER BUCKET ASSEMBLY QTY: 1 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#xpw2 Description: CROSS PANEL WELDMENT 2 QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#xpw Description: CROSS PANEL WELDMENT QTY: 1 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#da2 Description: DRAWER ASSEMBLY 2 QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#da Description: DRAWER ASSEMBLY QTY: 1 
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#ta Description: TRAY ASSEMBLY QTY: 1 	Part number: EM-21TH-CRGDCK-SSTK-2DWR-#lida Description: LID ASSEMBLY QTY: 1 

Part number: EM-21TH-CRGDCK-SSTK-2DWR-#plt Description: ALIGNMENT PLATE QTY: 1	
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HARDWARE	
Part number: 1-HDW-36-5400L-18 Description: 18" LOCKING SLIDE QTY: 1	
Part number: 1-FST-35-31000 Description: 1/4-20 NYLOC NUT QTY: 27	
Part number: 1-FST-50-60800 Description: 1/4 BLACK FLAT WASHER QTY: 22	
Part number: 1-FST-06-60830 Description: 1/4-20 x 3/4 BHCS QTY: 11	
Part number: 1-FST-06-60825 Description: 1/4-20 x 5/8 BHCS QTY: 18	
Part number: 1-FST-09-M1030 Description: M10-1.5 X 30mm HEX FLANGE QTY: 2	
Part number: 1-FST-09-M1045 Description: M10-1.5 X 45mm HEX FLANGE QTY: 4	
Part number: 1-FST-35-30000 Description: 1-FST-35-30000 QTY: 4	
Part number: 1-HDW-25-GS12-90 Description: 12" 90lb GAS SHOCK QTY: 2	
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#spc1 Description: SPACER 1 (1.1875") QTY: 2	
Part number: EM-21TH-CRGDCK-SSTK-2DWR-#spc2 Description: SPACER 2 (1.0625") QTY: 2	

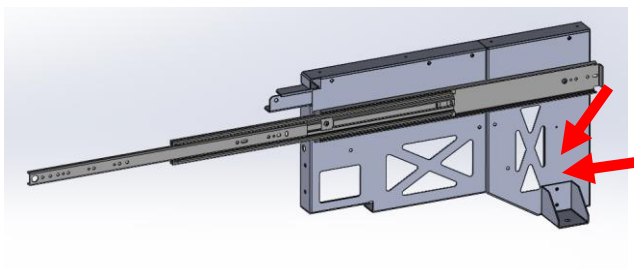
I.) Cargo area preparation:

- 1.) Where marked, cut six crosses in rubber mat to allow mounting screws to penetrate. The four cuts toward the rear of the vehicle will need to be big enough to allow 1" diameter spacers to pass through. Before cutting, verify cuts will be in the correct location over the threaded holes in the vehicle floor. Front driver side mounting hole is shown in photograph. Passenger hole is in symmetrical location. Holes are roughly 5.875" inboard of side plastics.

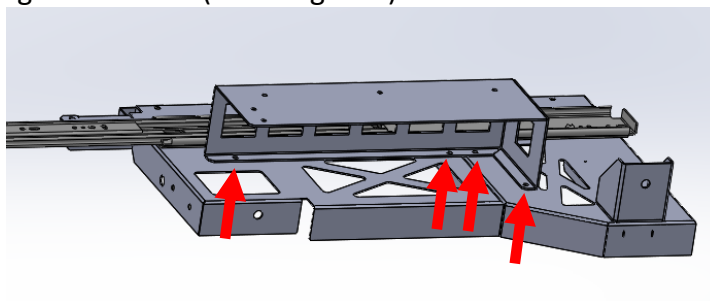


II.) Install cargo deck:

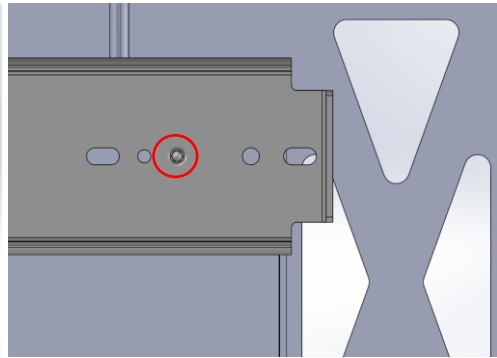
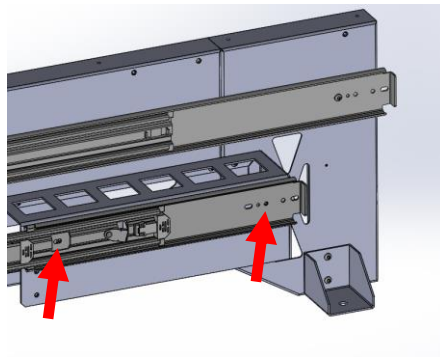
- 2.) Assemble slide bracket (#sbd), and driver side 18" locking slide (5400L-18) onto driver leg assembly (#dla) as shown. Tools required will be 5/32 hex driver and 7/16 wrench or socket.
 - a. Assemble (#fb) to (#dla) using two provided 1/4-20 BHCS.



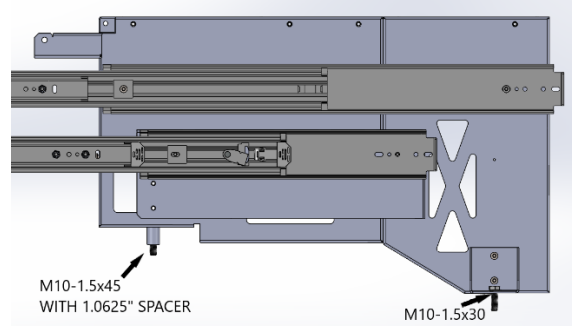
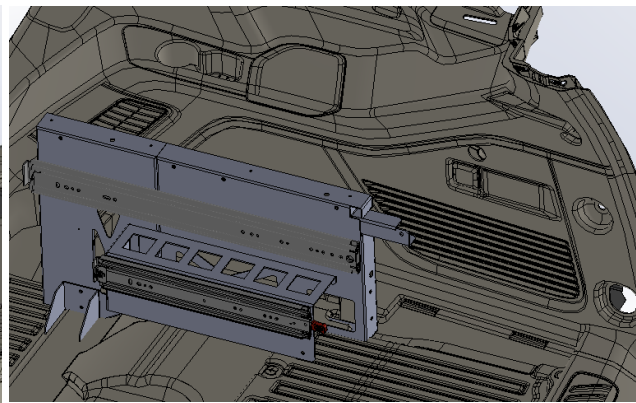
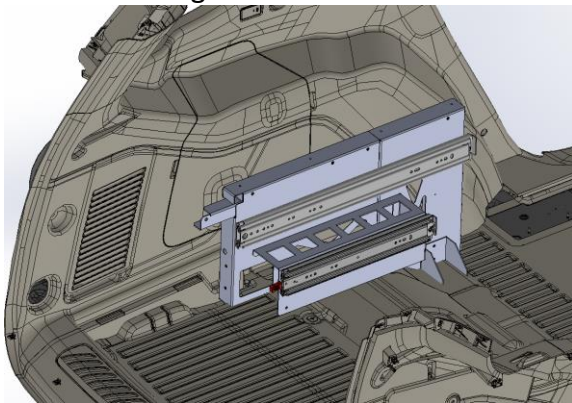
- b. Assemble four provided 1/4-20 x 3/4 BHCS, nyloc nuts, and washers to attach #sbp to #dla. Washers go on outside (touching #dla).



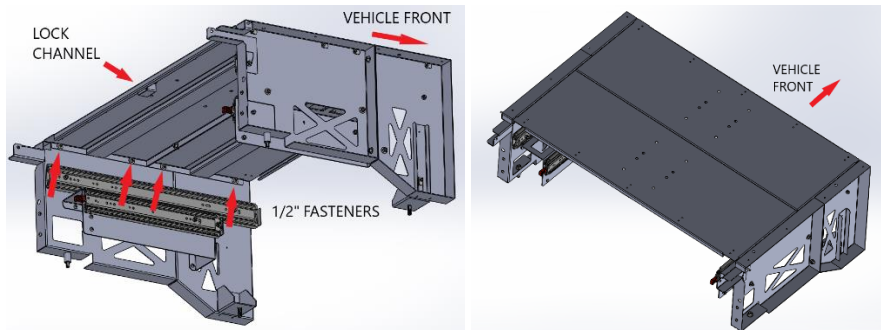
- c. Assemble right hand 18" locking slide (5400L-18) as shown using two provided 1/4-20 x 5/8 BHCS and nyloc nuts.



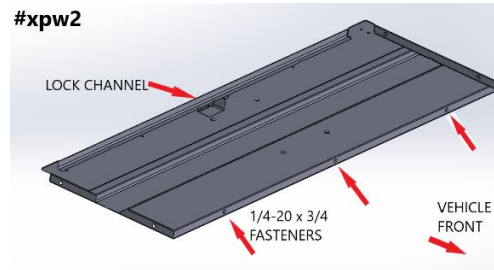
- d. Repeat steps a-c for passenger side leg.
- 3.) Assemble two legs in vehicle as shown. Using a 15mm socket, loosely fasten to floor of vehicle using provided M10-1.5 x 45 (rear mount) with spacer and M10-1.5 x 30 (front mount). Do not fully tighten fasteners at this time. Place a 1.0625" spacer (#spc2) between the floor and the leg assembly toward the rear of the vehicle. Brackets are shown sunken into vehicle mat. Driver side fastener detail view shown in lowermost image.



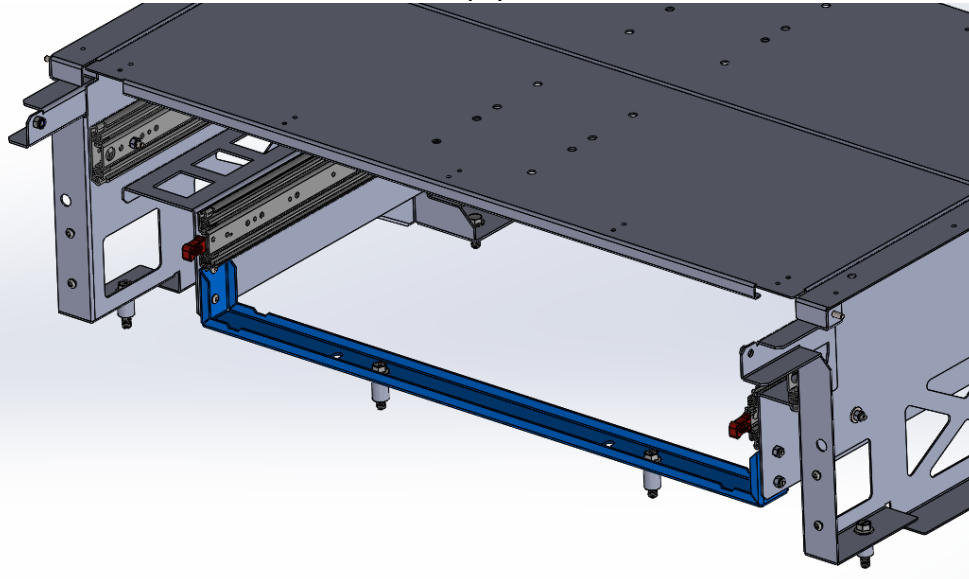
- a. Note that if this cargo deck is being installed with a Troy rear partition, the cargo deck foot brackets (#fb) will need to sit on top of the rear partition mounting feet. They occupy the same holes in the vehicle.
- 4.) Using 5/32 driver and 7/16 wrench, mount cross panel weldment (#xpw) and cross panel weldment 2 (#xpw2) to frame legs using eight provided ¼-20 x ½ BHCS. Use three provided ¼-20 x ¾ BHCS with nyloc nuts and washers to secure panel 1 to panel 2.
- a. #xpw2 sits toward rear of vehicle. Ensure lock channel is oriented as shown.

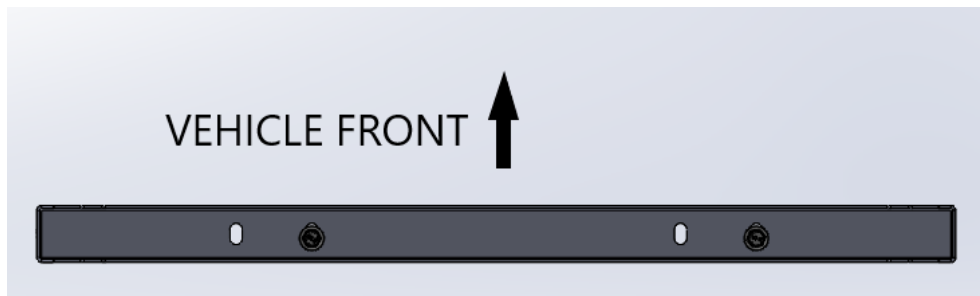


- b. The panel mounting flanges, which each have three $\frac{1}{4}$ " holes, are oriented toward one another in the center of the frame. These are secured with the three $\frac{3}{4}$ " long fasteners.

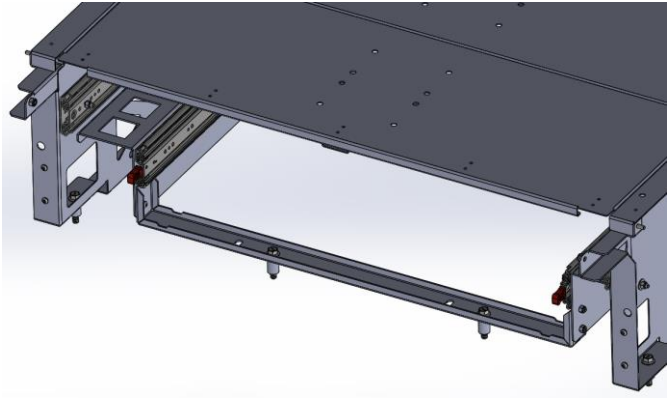
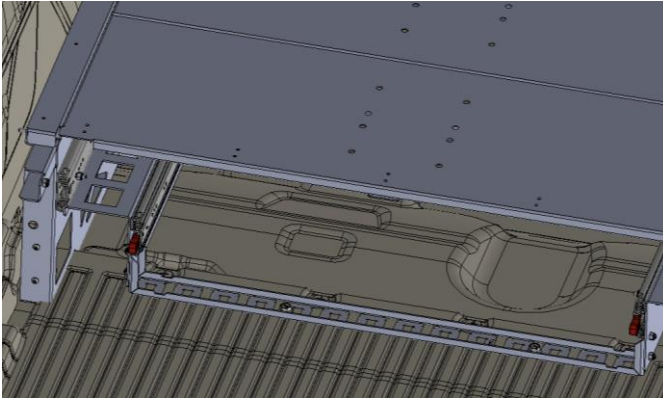


- c. Before firmly tightening fasteners, ensure panels are level with top of legs. Also check that front and back of panels are flush with front and back of legs to ensure frame sits square in vehicle. If the panels are out of square, they can be nudged into alignment with a mallet while fasteners are partially tightened. **Do not deform** the panels; this is only to gently move the panels into position and will likely not be necessary.
- d. After ensuring panels are aligned, firmly tighten all eleven cross panel fasteners.
- 5.) Place rear cross brace (#rcb) into frame as shown. The brace is highlighted in blue below. The channel is symmetrical and can be mounted in either orientation, but note the holes used for fasteners. For each pair of mounting holes, the hole closest to the driver side of the vehicle is left empty as shown below.

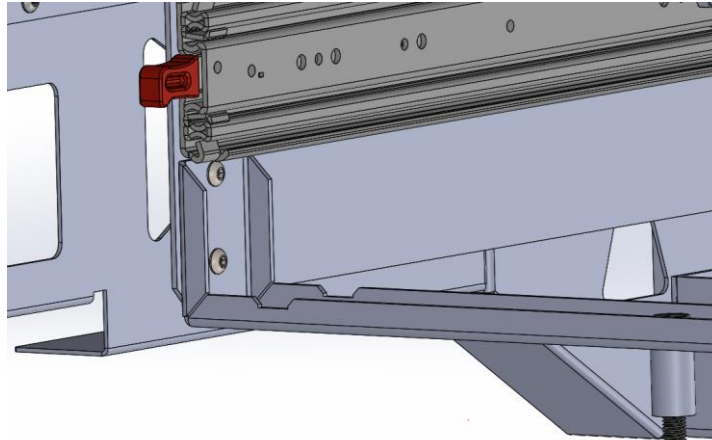




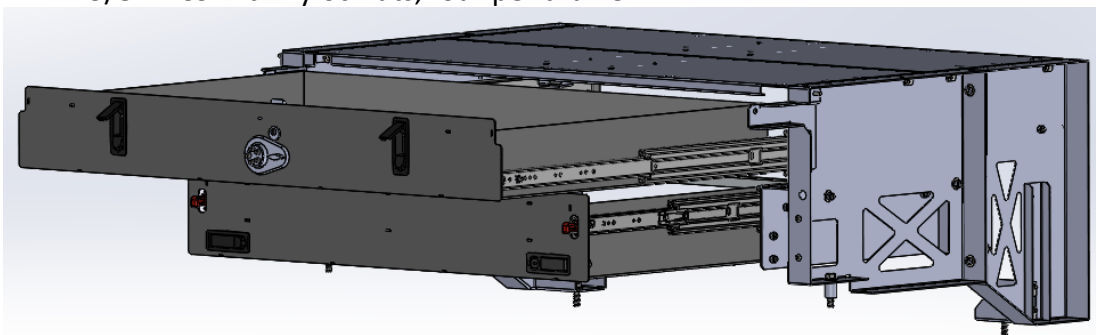
- a. Using two provided M10-1.5x45 hex flange screws and 1.1875" spacers (#spc1), mount brace to floor of vehicle through slots cut in step 1. Spacer should contact steel floor of vehicle.



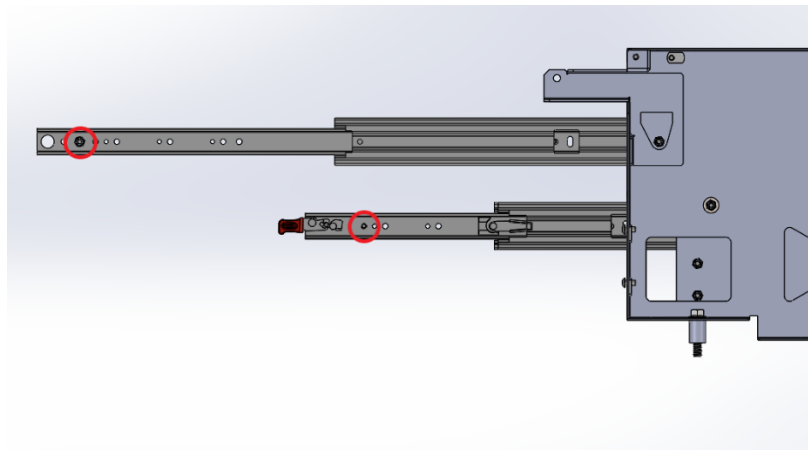
- b. Using four provided ¼-20 x ½ BHCS and nyloc nuts, fasten brace to frame where shown.



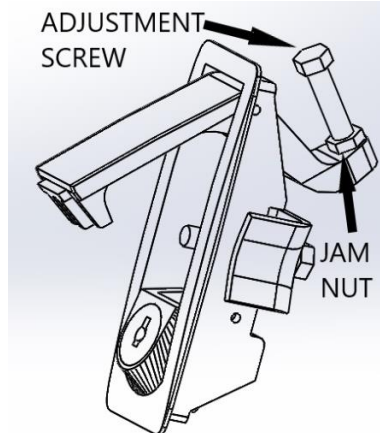
- 6.) Tighten frame mounting fasteners with a 15mm socket to OEM specifications.
- 7.) Mount upper and lower drawers (#da2 and #da) as shown using eight provided ¼-20 x 5/8 BHCS with nyloc nuts, four per drawer.



- a. Outermost mounting points for slides are marked below. These correspond to the mounting holes in the drawers closest to the drawer faces.

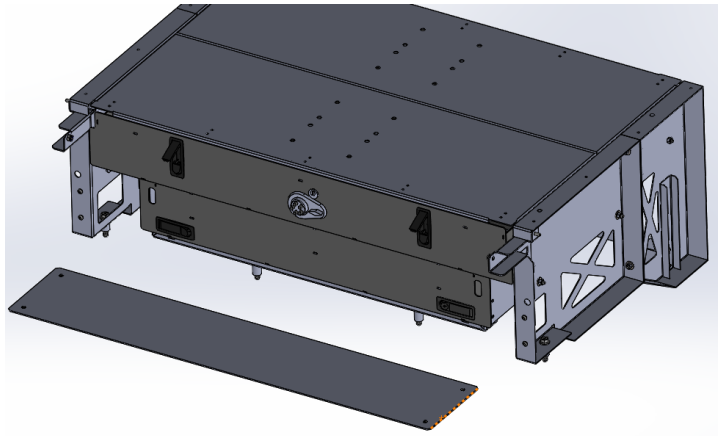
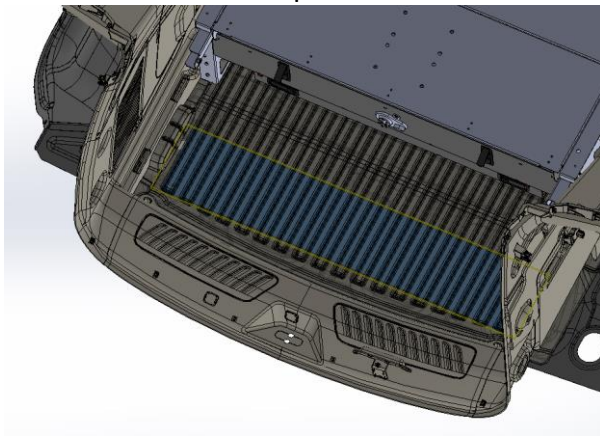


- b. Latches may need to be adjusted to ensure drawer closes tightly. The engagement screw and jam nut can be adjusted with an 8mm wrench.

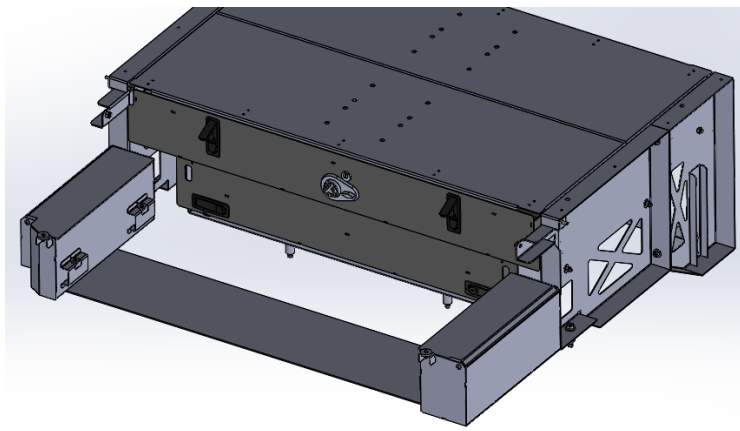


- c. The lower drawer is intended to hold electronics. The drawer contains a pan for mounting electronics which is removable. It is held in place with four 8-32 screws.

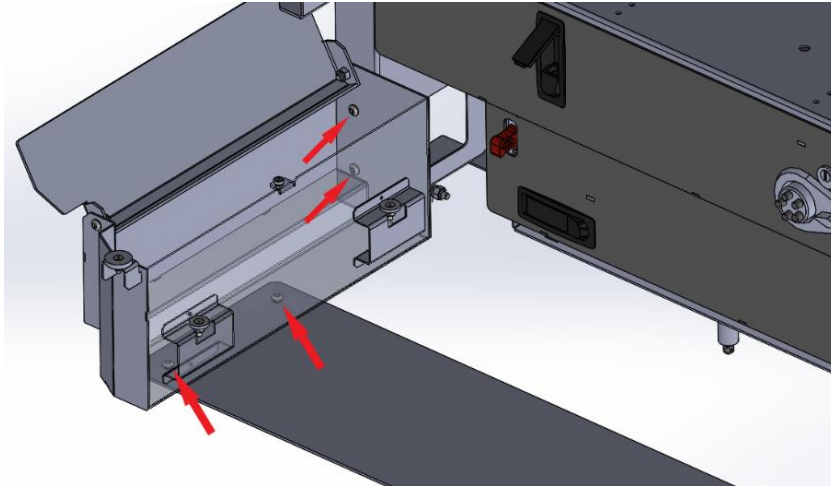
8.) Place alignment plate (#plt) in vehicle where shown. PEM nuts should be on bottom side of plate.



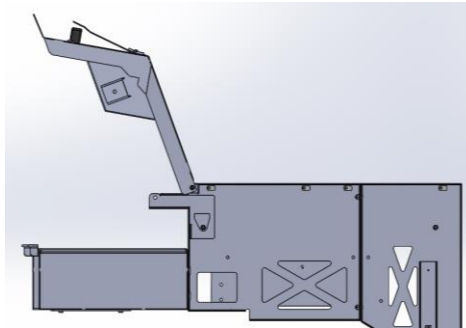
- a. Plate buckets (#dba, #pba) in vehicle as shown.
- i. Note that driver side bucket has shaped cutout to conform to vehicle trim. Passenger side bucket is plainly rectangular in shape.



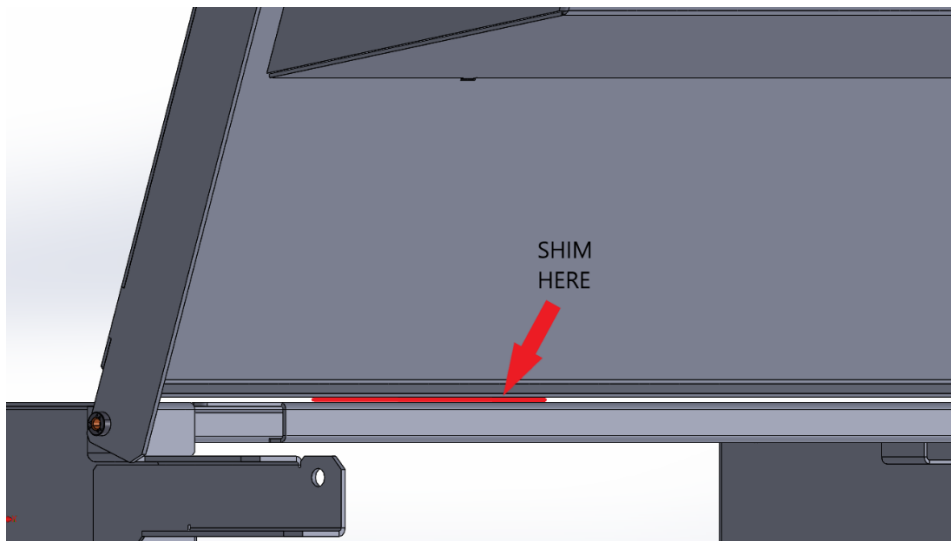
- b. Mount buckets to alignment plate and frame legs using eight provided $\frac{1}{4}$ -20x1/2 BHCS, four per bucket as shown.



- 9.) Place lid (#lida) on assembly as shown, open to roughly 90 degrees. Mount lid to frame legs using two provided $\frac{1}{4}$ -20 x $\frac{3}{4}$ BHCS.

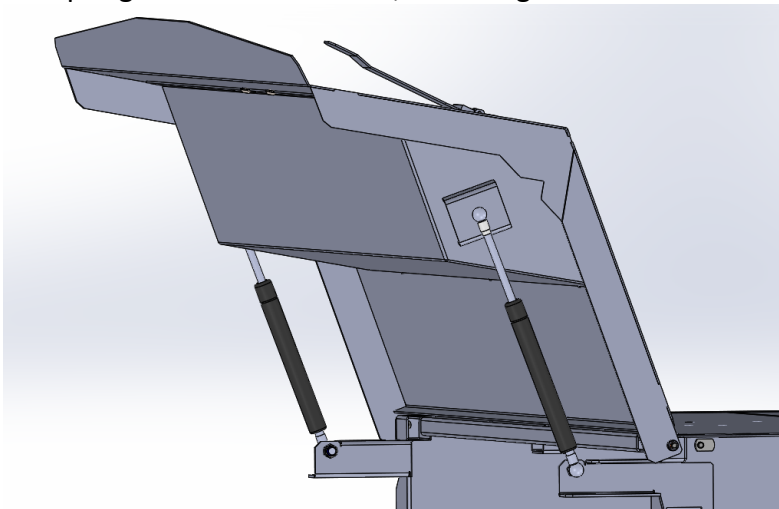


- a. **IMPORTANT:** The PEM nuts which come pressed into the lid are deform-thread locknuts to ensure the pivot screws do not come loose. The last thread on the nuts is deformed, and it may feel as though the nut has suddenly become cross-threaded after the first two threads thread normally. Continue to tighten the screw several turns so that it is firmly locked in place. Do not over-tighten, as this will prevent the lid from pivoting.
- b. To easily align lid to frame mount holes, place a $\frac{1}{8}$ " or $\frac{3}{16}$ " shim between the lid and cross panels. When the lid is attached, there will be a small air gap between the lid and cross panels for clearance. The shim will help align the lid in its correct position so that the PEM nuts line up with the frame holes.

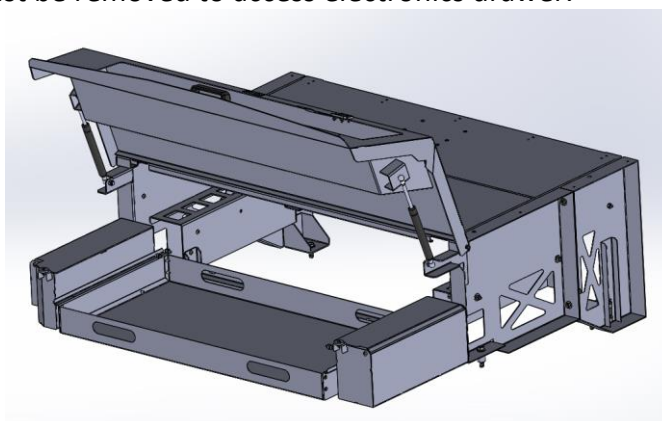


10.) Attach gas springs as shown using two ½" wrenches and four provided 5/16-18 nyloc nuts.

- a. Ensure gas springs are installed in the orientation shown. When the lid is closed, the springs rotate over-center, and the gas reservoir sits over the piston.



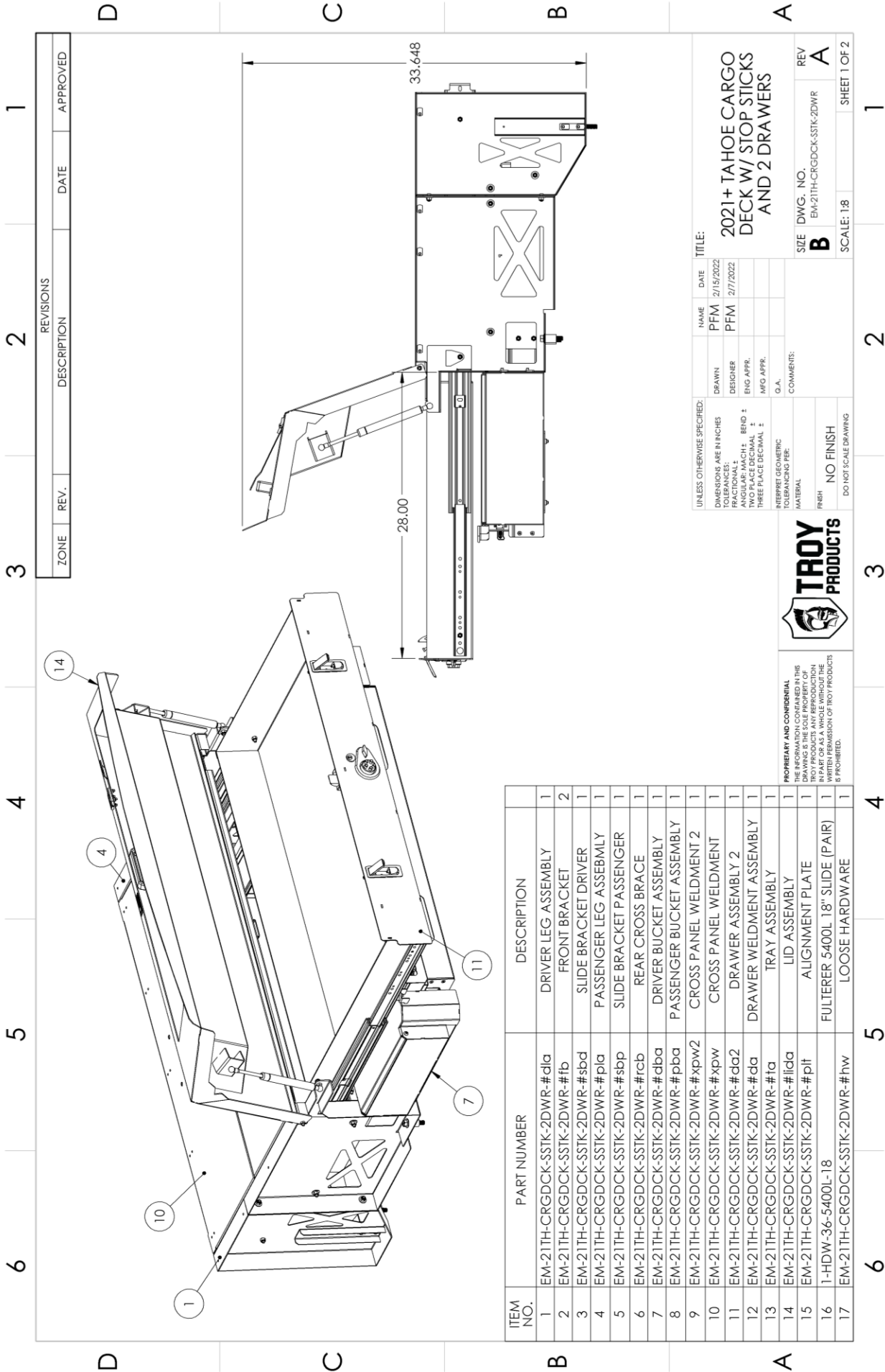
11.) Place shield tray in place as shown. Tray is secured with magnets for fast removal. Tray must be removed to access electronics drawer.

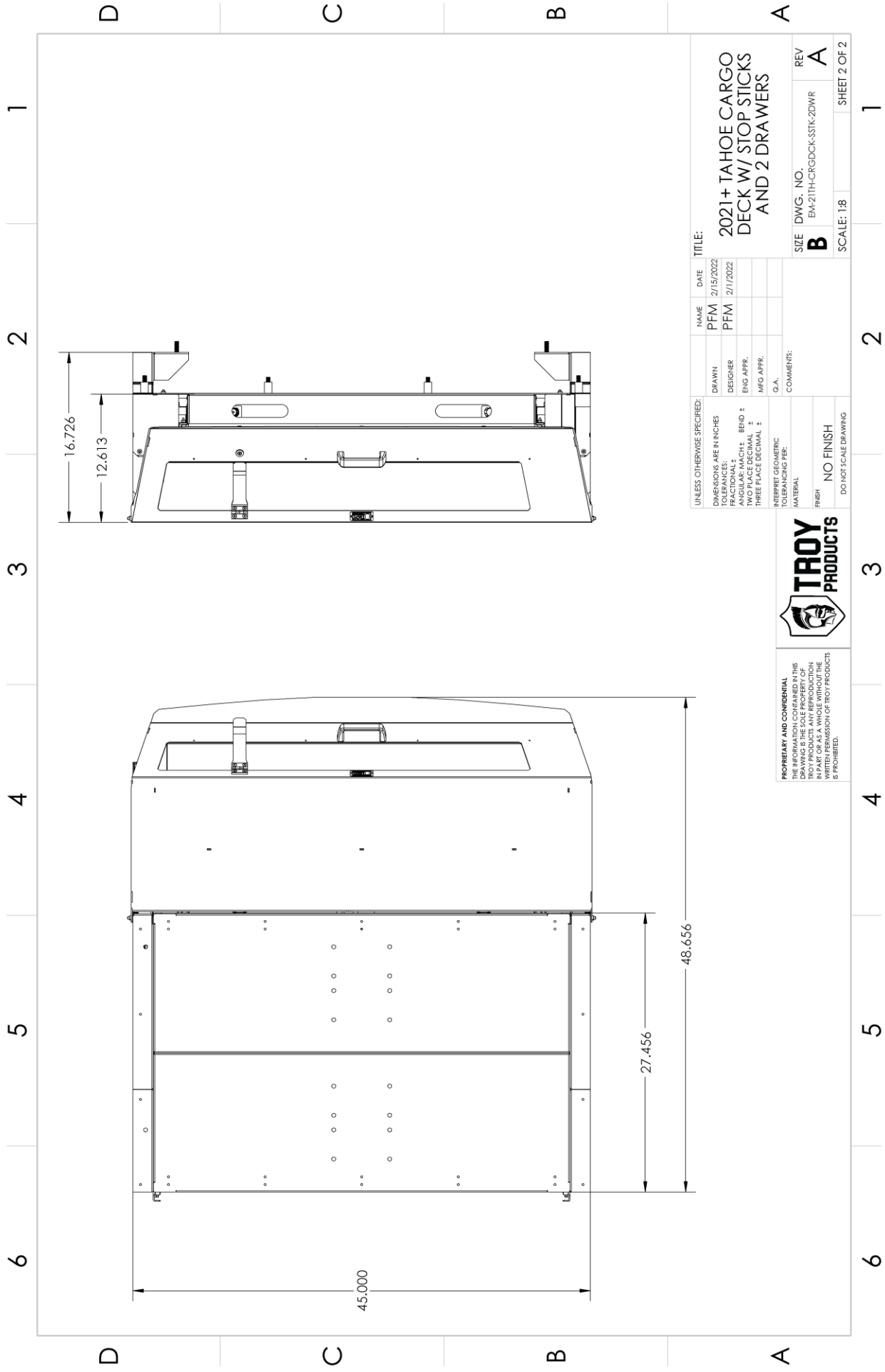


12.) Tighten any loose mounting fasteners.

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

EM-21TH-CRGDCK-SSTK-2DWR





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 DECIMAL ± .005 HOLE LOCATIONS ± .010 THREE PLACE DECIMAL ± .001		NAME PFM	DATE 2/15/2022	TITLE: 2021+ TAHOE CARGO DECK W/ STOP STICKS AND 2 DRAWERS		SIZE B	DWG. NO. EM-21TH-CRGDCK-SSTK-2DWR	REV A
INTERPRET GEOMETRIC TOLERANCES PER: MATERIAL FINISH NO FINISH		COMMENTS: DO NOT SCALE DRAWING	SCALE: 1:8		SHEET 2 OF 2			

