

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

Part No: AC-21TH-CPMNT and AC-21TH-CPMNT-T
Description: Rear cargo mounting solution

Vehicle: Chevrolet Tahoe
Model year: 2021



Tools Required

5/32 allen key	7/16 socket	Utility knife
T55 Torx driver	5/8 socket	Body panel tools
	15mm socket	Rivet Nut Gun
	17mm socket	

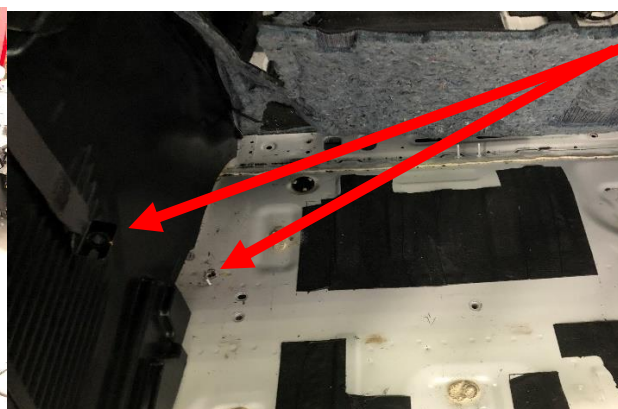
Tools Required for Tilt Mount

5/32 allen key	7/16 socket	Utility knife
T55 Torx driver	9/16 socket	Body panel tools
1/2 wrenches (2)	5/8 socket	Rivet Nut Gun
3/4 wrench	15mm socket	
	17mm socket	

Troy Products recommends reading through all installation instructions prior to installation to check 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.

I.) Cargo area preparation:

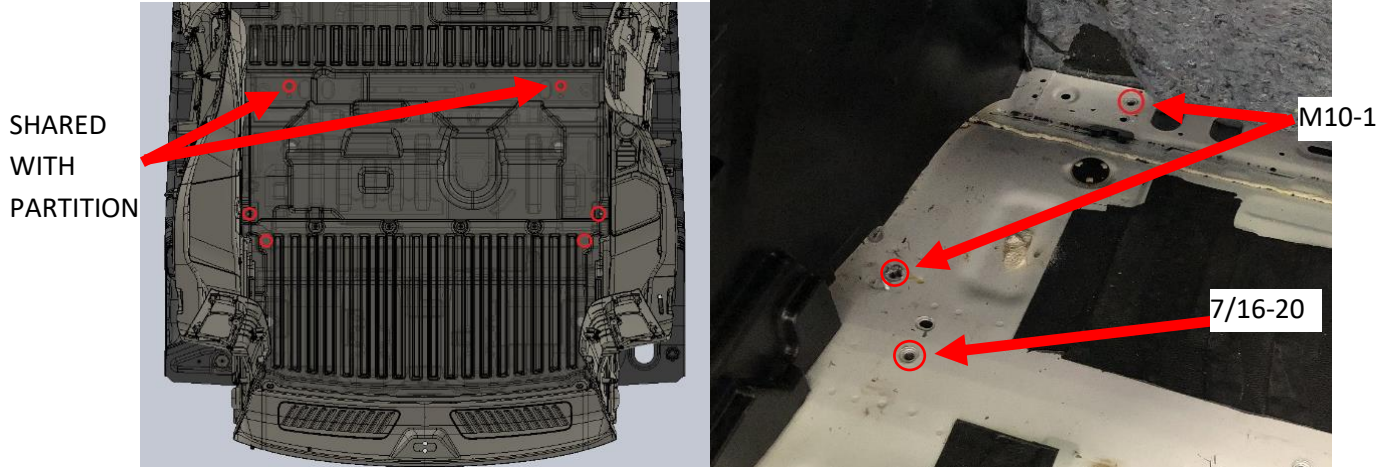
- 1.) If a PPV model is used, skip this step. If a civilian model is used, third row seats and seat belts will need to be removed.
 - a. Remove plastic seat trim by gently lifting at front and rear of seat base or by using body removal tools. Remove third row seat using a 13mm socket to remove all 10mm mounting screws, three at front of seat and five at rear of seat.
 - b. Remove seat belt D-rings by prying plastic cover outward and using a T55 driver to remove mounting bolt. Remove lower mounting point where shown with a T55 driver.
 - c. Wrap seat belt assembly in bubble wrap and securely stow it away, either inside the cargo side panels or however needed.



LOWER
BELT
MOUNT

2.) Where marked, cut six crosses in rubber mat to allow mounting screws to penetrate. If a rear partition was already installed, the two holes further toward vehicle front will be shared with the partition feet. Driver side mounting holes are shown in photograph for reference.

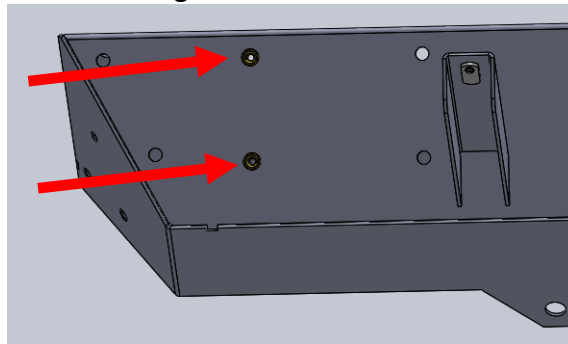
- a. If preferable, rubber mat can be completely removed. A rear trim panel is provided to close out gap between vehicle threshold and command post regardless of mat presence. Alternatively, large strips of mat can be cut out to allow entire footprint of mount to sit entirely on steel.
- b. On civilian models, carpet will not need to be cut. It will not interfere with mount.



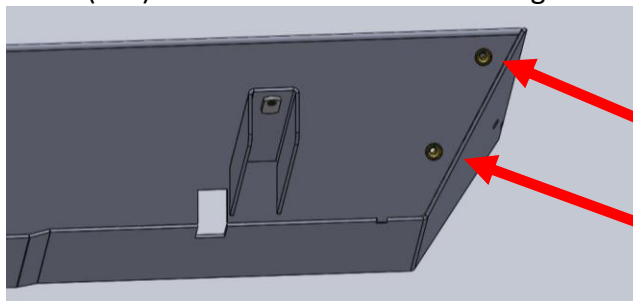
II.) Install Mount

3.) Place driver and passenger side feet (#p, #d) in vehicle. For tilt mounts, these are parts #pasm and #dasm. Before fastening feet to floor, attach trim piece with two ¼-20x0.625 screws, provided, to locate parts. Trim can be more easily added and removed by placing screws in place and sliding trim onto screws.

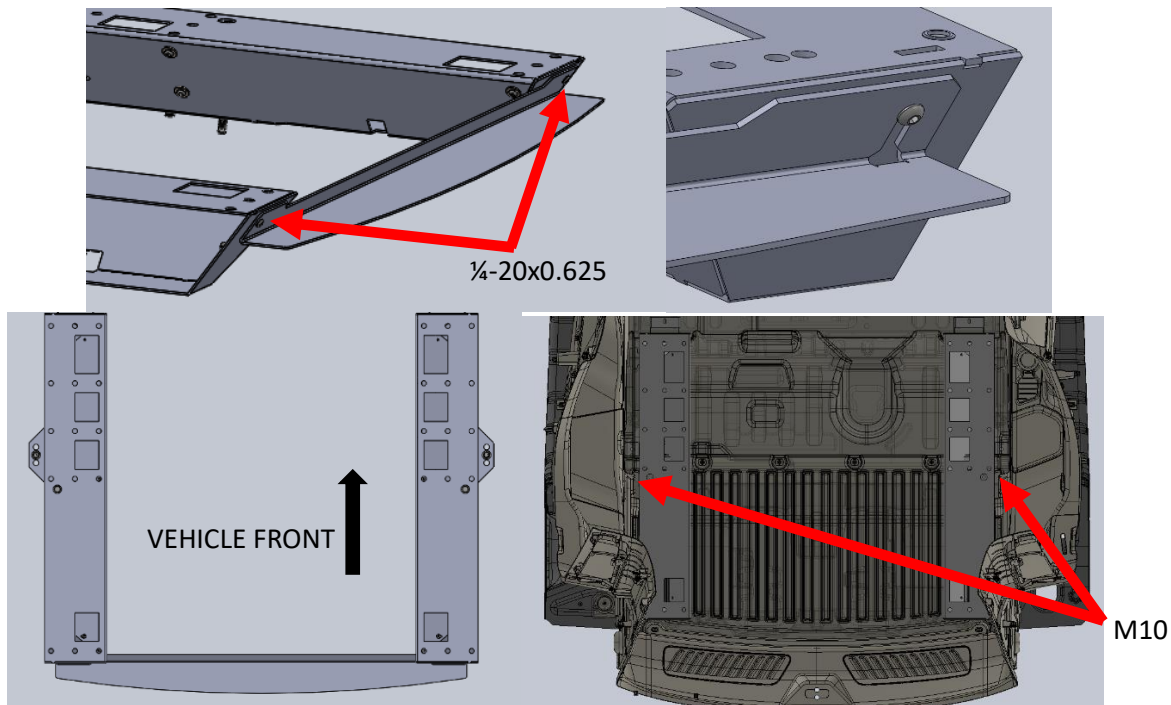
- a. Before fastening feet to floor, refer to step 5. Install two rivet nuts in both passenger and driver foot where shown to mount cross brace (#c). For non-tilt mounts, location will be based on location of box. For tilt mounts, always put rivet nuts in row 1. Passenger side shown below.



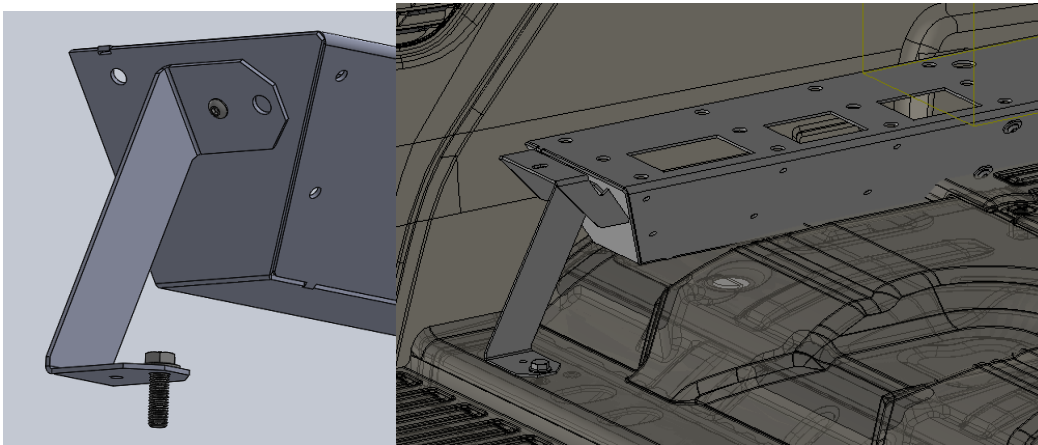
- b. Install two ¼-20 rivet nuts, provided, in both passenger and driver foot where cross brace (#c2) will mount as shown. Passenger side shown below.



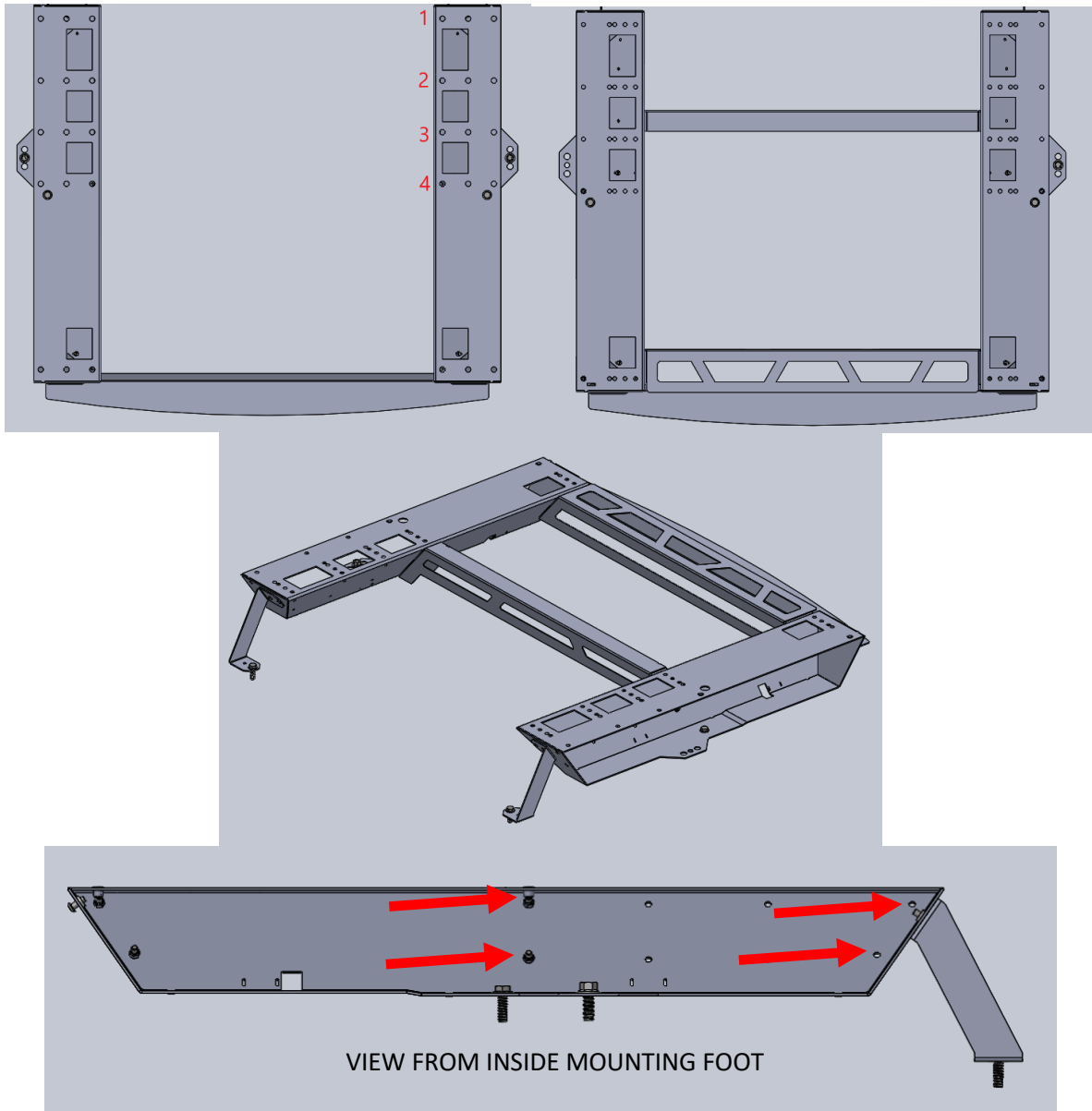
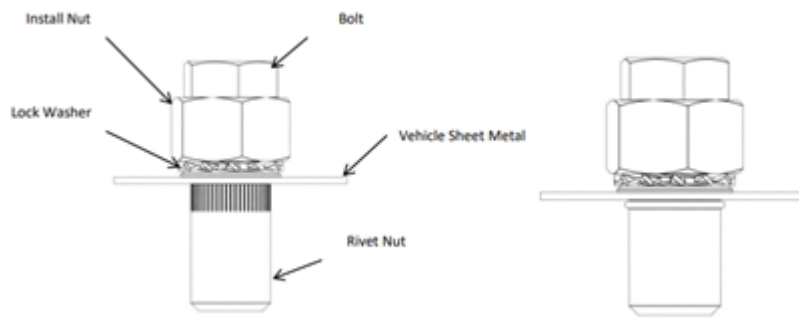
- c. Then arrange feet as shown in vehicle and loosely add two M10-1x30 hex screws, provided, where shown. A clearance hole on the top of the weldment allows a socket to reach the screw.



- 4.) Attach front mounting brackets (#b) with two provided $\frac{1}{4}$ -20x0.625 screws as shown. Passenger side orientation is pictured below. Loosely insert two provided M10-1x30 hex screws into brackets, threading into front mounting holes. If a partition is present, the mounting bracket will sit on top of the partition mounting foot and will share the same screw.



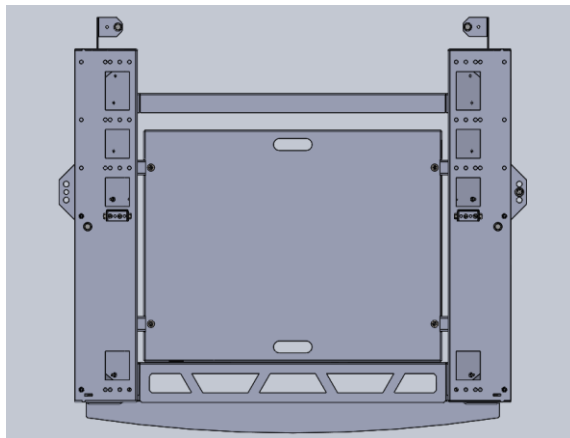
- 5.) Establish which mounting holes will be used based on command post or box which is going in vehicle. Once determining which row of mounting holes will be used (1-4 as shown), place support channels (#c, #c2) in vehicle. Support #c should be placed near where rear of box will sit as shown. Tighten support channels using eight provided $\frac{1}{4}$ -20-0.75 screws with washers and rivet nuts. Rivet nut installation process can be done with a rivet gun or with a screw and lock washer, illustrated below.



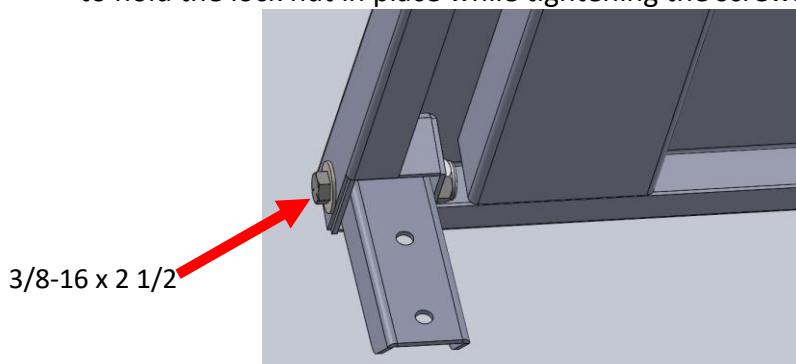
- 6.) Insert two provided 7/16-20x1.125 screws into the 7/16 holes noted in step 2b. Screws will roll their own threads into unthreaded hole; ensure the correct hole is chosen. Tighten all fasteners present at this time.

III.) **Install tilt mount and electronics tray if applicable.**

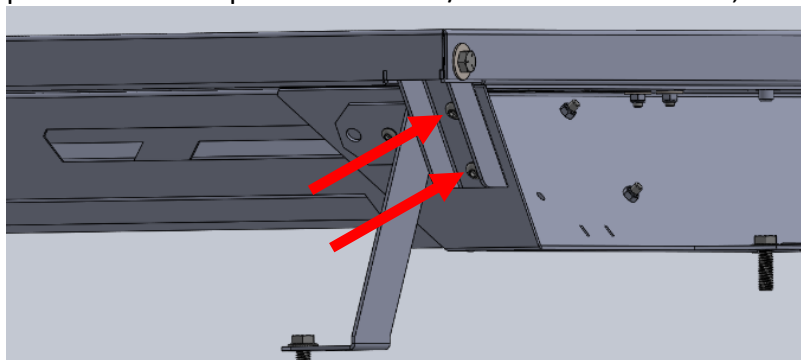
- 8.) Install tray as shown using four provided $\frac{1}{4}$ -20 x $\frac{5}{8}$ screws and $\frac{1}{4}$ washers. Tray is symmetrical.



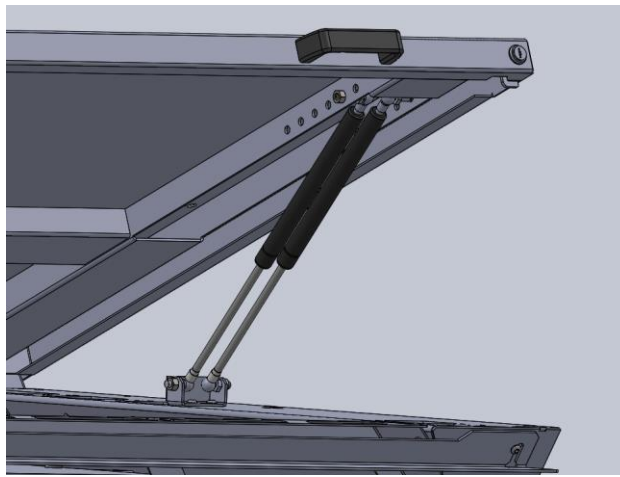
- 9.) Install two pivot brackets (#pb) in lid assembly as shown using provided 3/8-16 x 2 1/2 hex cap screws with one washer and lock nut each. An open end wrench can be used to hold the lock nut in place while tightening the screw.



- 10.) Place the lid assembly with pivot brackets on the installed mount. Align the pivot brackets with the two 5/16-18 weld nuts at the front of each mounting foot. Bolt the pivot brackets in place with four 5/16-18 x 0.625 screws, included.



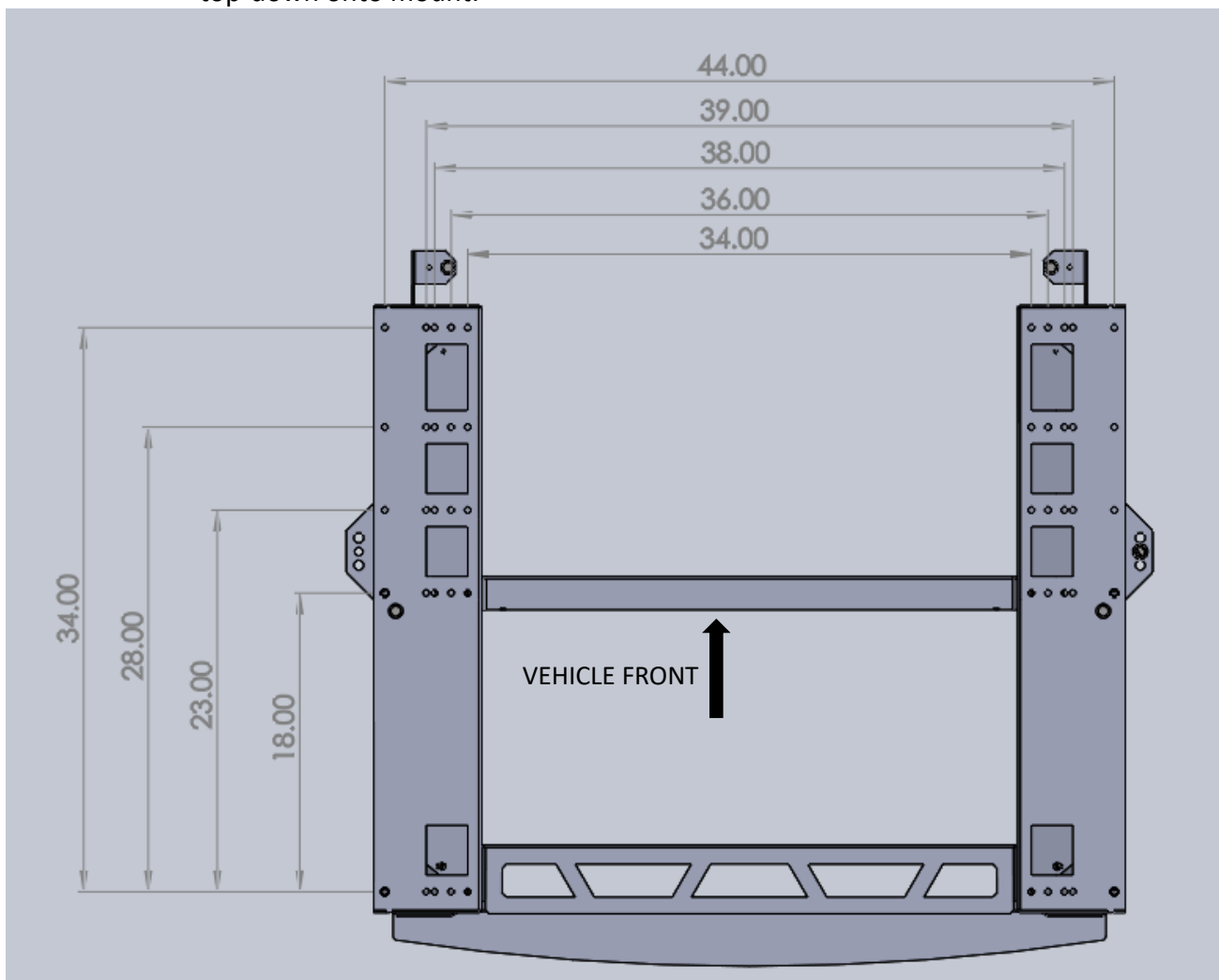
- 11.) Prop open the lid using a 2x4 or similar. Install gas springs, either two or four as needed, as shown. Springs **must** be located on the inside of the lid flange for the lid to close. Fasten springs with provided 5/16-18 nuts using a 1/2" socket and a 1/2" open end wrench.



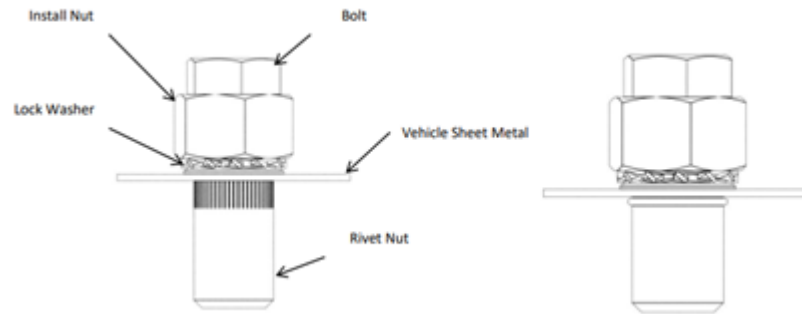
- 12.) Cam locks must be locked in recessed position to open and close lid. Key can be removed when cam is in either position. Lid must be locked closed before operating vehicle.

IV.) Install command post or box:

- 13.) Locate the mounting holes on the underside of your box or command post and determine the mount hole spacing. Holes can also be drilled into the box or command post. Refer to the image below to determine where you will mount your box. View is top-down onto mount.

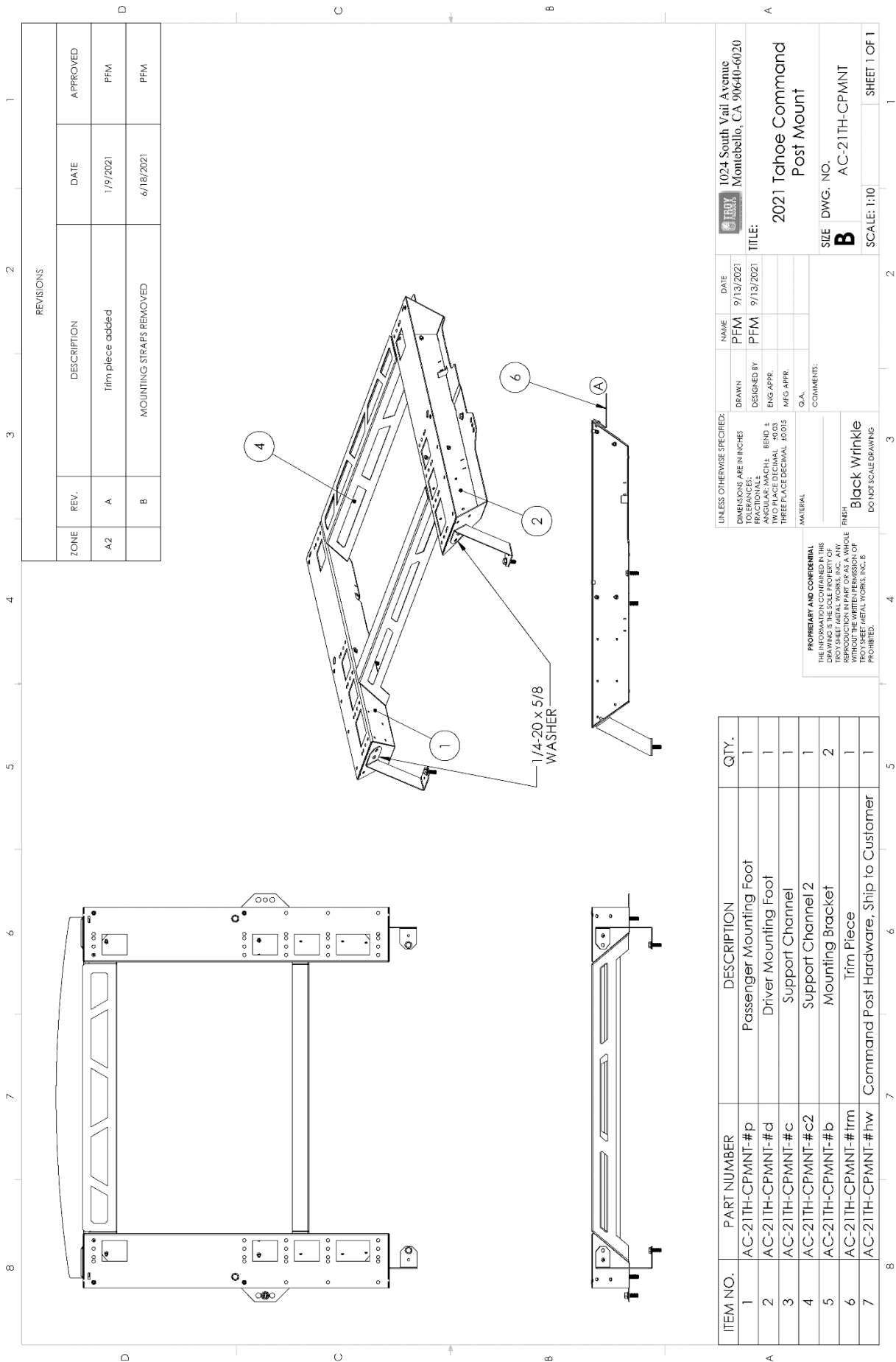


- 14.) Install four ¼-20 rivet nuts, provided, in box mounts, using a rivet nut installation tool. More can be used if desired. An alternative method of rivet nut installation is shown below.



- 15.) Place command post or box in vehicle and use four ¼-20 x 0.75 bolts, washers, and nuts, included, to secure command post or box to mount.

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



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AC-21TH-CPMNT-#p	Passenger Mounting Foot	1
2	AC-21TH-CPMNT-#d	Driver Mounting Foot	1
3	AC-21TH-CPMNT-#c	Support Channel	1
4	AC-21TH-CPMNT-#c2	Support Channel 2	1
5	AC-21TH-CPMNT-#b	Mounting Bracket	2
6	AC-21TH-CPMNT-#trm	Trim Piece	1
7	AC-21TH-CPMNT-#hw	Command Post Hardware, Ship to Customer	1

1024 South Vail Avenue
Montebello, CA 90640-6020

TITLE:
2021 Tahoe Command
Post Mount

SIZE: DWG. NO. **B**
AC-21TH-CPMNT

SCALE: 1:10
SHEET 1 OF 1

NAME: PFM
DATE: 9/13/2021

DRAWN BY: PFM
DESIGNED BY: PFM

ENG. APPR.:
MFG. APPR.:

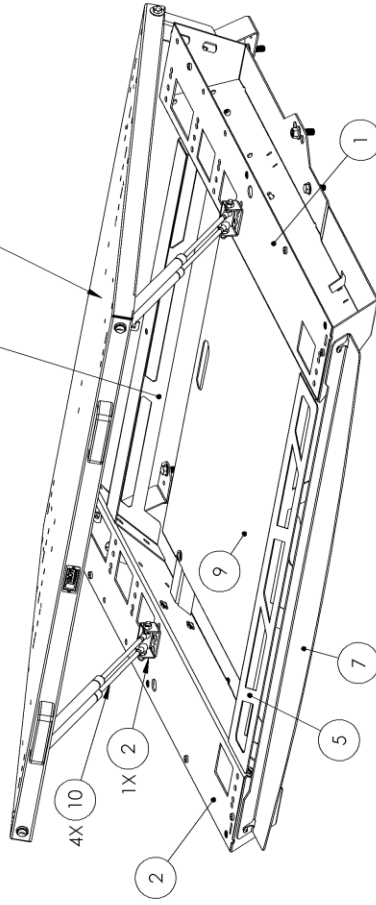
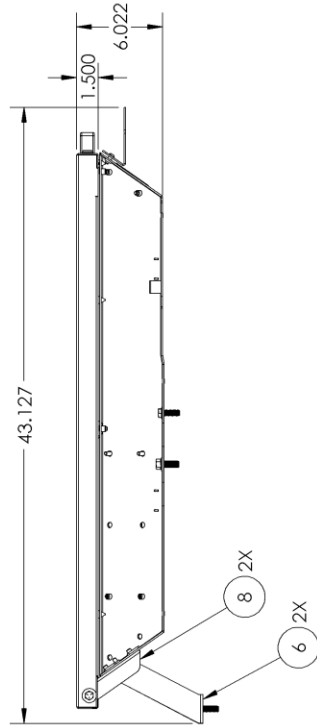
Q.A.:
COMMENTS:

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS: ± 1/16
DECIMALS: ± 0.005
ANGULAR: MATCH
TWO PLACE DECIMAL ±0.03
THREE PLACE DECIMAL ±0.015

MATERIAL:
BLACK WINKLE
DO NOT SCALE DRAWING

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SHIP ALL PARTS LOOSE



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AC-21TH-CPMNT-I-#pasm	PASSENGER FOOT ASSEMBLY	1
2	AC-21TH-CPMNT-I-#dasm	DRIVER FOOT ASSEMBLY	1
3	AC-21TH-CPMNT-I-#ldasm	LID ASSEMBLY	1
4	AC-21TH-CPMNT-#c	Support Channel	1
5	AC-21TH-CPMNT-#c2	Support Channel 2	1
6	AC-21TH-CPMNT-#b	Mounting Bracket	2
7	AC-21TH-CPMNT-#trm	Trim Piece	1
8	AC-21TH-CPMNT-I-#pb	PIVOT BRACKET	2
9	AC-21TH-CPMNT-I-#tray	ELECTRONICS TRAY	1
10	1-HDW-25-GSS120	17" / 120 # Gas Spring	4
11	AC-21TH-CPMNT-I-#hw	CPMNT-I LOOSE HARDWARE	1
12	1-FST-10-66321	7/16-20 X 1.125 TRILLOBE FLANGE HEX SCREW	1
13	1-FST-43-02520	1/4-20 Rivet Rivet Nut (AVK)	8
14	3-PAK-TPLOGO	Troy Products Logo	1
15	1-FST-02-91654A	#4 x 3/16 drive screw	2



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		PFM	7/16/2021
TOLERANCES:		DESIGNER	PFM
FRACTIONAL: 1/16		ENG APPR.	
DECIMAL: 0.015		MFG APPR.	
THREE PLACE DECIMAL: 0.001		G.A.	
HATCH: 45 DEGREE		COMMENTS:	
TOLERANCING PER:			
MATERIAL:			
FINISH:			
DO NOT SCALE DRAWING			

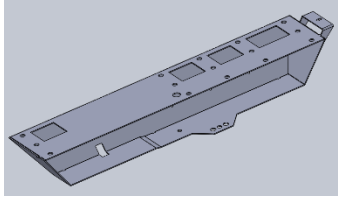
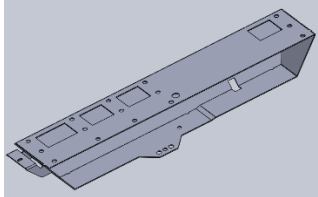
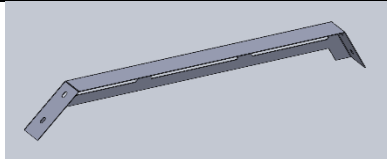
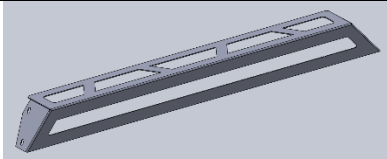
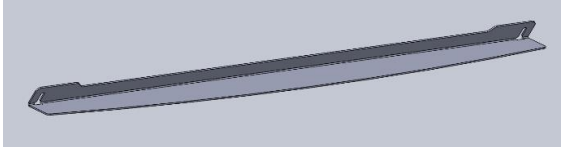
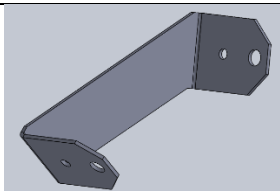
2021 Tahoe Command Post Mount

SIZE	DWG. NO.	REV
B	AC-21TH-CPMNT-T	A
SCALE: 1/8"	SHEET 1 OF 1	

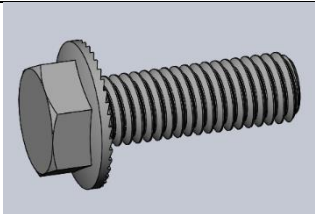
AC-21TH-CPMNT

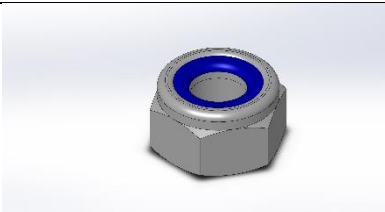
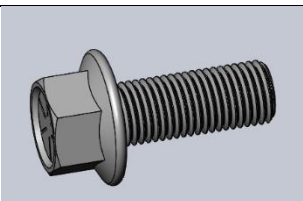
BILL OF MATERIALS

A. Parts

Part #	Description	Qty.	Picture
AC-21TH-CPMNT-#p	Passenger foot	1	
AC-21TH-CPMNT-#d	Driver Foot	1	
AC-21TH-CPMNT-#c	Support channel	1	
AC-21TH-CPMNT-#c2	Support channel 2	1	
AC-21TH-CPMNT-#t	Trim Piece		
AC-21TH-CPMNT-#b	Foot bracket	2	

B. Hardware

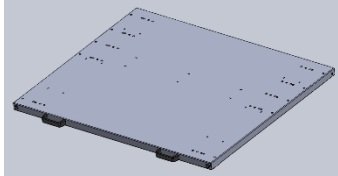
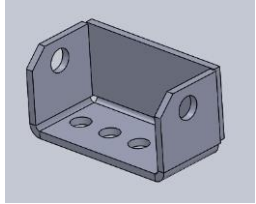
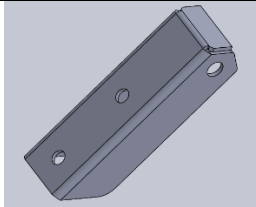
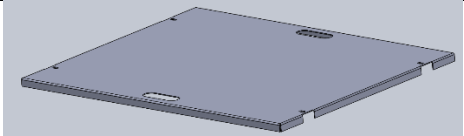
1-FST-09-M1030	M10-1.5x30 Hex Flange Screw	4	
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1-FST-50-60800	¼" black flat washer	10	
1-FST-06-60825	¼-20 x 0.625" button head socket screw	6	
1-FST-06-60830	¼-20 x 0.75" button head socket screw	8	
1-FST-35-31000	¼-20 nylon lock nut	8	
1-FST-10-66321	7/16-20x1.125 Tri Lobe Hex Screw	2	
1-FST-43-02520	¼-20 AVK RIVET NUT	4	

AC-21TH-CPMNT-T

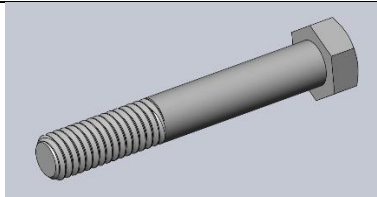
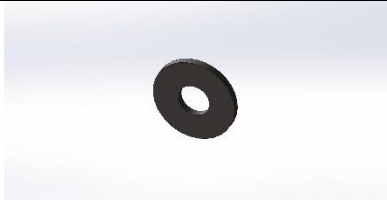
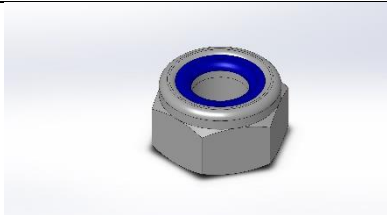
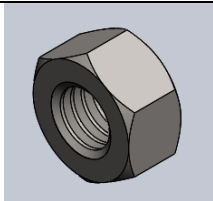
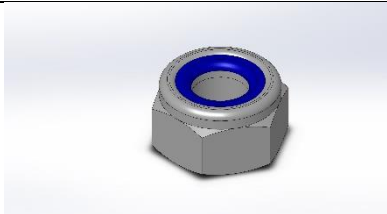
ADDENDUM TO BILL OF MATERIALS

C. Additional Parts Included with Tilt Mount

Part #	Description	Qty.	Picture
AC-21TH-CPMNT-#lidasm	Tilting Lid	1	
AC-21TH-CPMNT-#gsb	Gas Spring Bracket	2	
AC-21TH-CPMNT-#pb	Pivot Bracket	2	
AC-21TH-CPMNT-#tray	Electronics Tray	1	

D. Additional Hardware Included with Tilt Mount

1-FST-06-60825	¼-20 x 0.625" button head socket screw	4	
1-FST-06-60820	¼-20 x 0.5" button head socket screw	4	

1-FST-08-11280	3/8-16 x 2 ½ Hex Head Screw	2	
1-FST-50-60800	¼" black flat washer	4	
1-FST-35-31000	¼-20 nylon lock nut	4	
1-FST-33-11000	5/16-18 Nut	8	
1-FST-35-31200	3/8-16 Nylon lock nut	2	
1-FST-50-11208	3/8 Black flat washer	2	