

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

Part No: GM-SGRF-SC
Description: Single Cell Weapon Mount

Vehicle: Universal
Model year: --

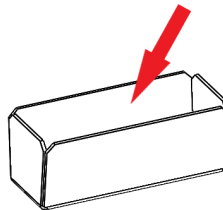
Troy Products recommends reading through all installation instructions prior to installation to check that all necessary parts have been included. To comply with manufacturer's safety ratings, all OEM self-threading bolts that are removed must be discarded and replaced with unused bolts at manufacturer's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

Tools Required

Wrenches: 7/16

Drivers: 5/32

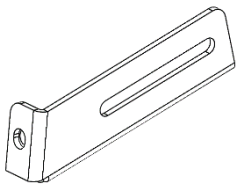
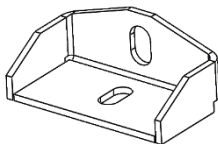
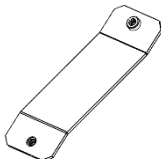
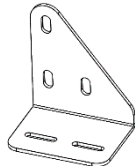
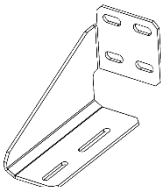
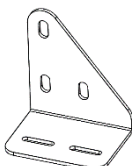
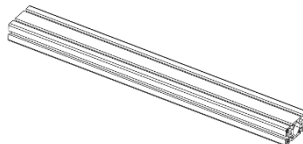
The weapon mount hardware pack is located in a butt plate (GM-BP-XL) wrapped up in plastic with the gusset (#g), support gusset (#g), and lower bracket (#b).

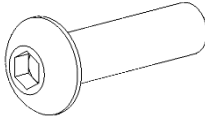
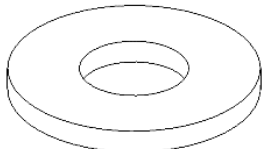
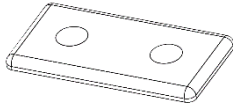
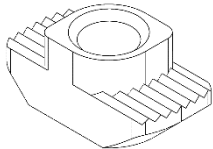


Quickstart Guide

1. For a one-person install, the support gusset (#g) can be fixed to the front of the partition first with the PEM nut lined up with a mounting point on the front of the partition. From behind the partition, fix the gusset in place, then remove the first screw.
2. The mount is highly adjustable, but some configurations will not work with all weapons.
3. Weapons can be configured front to back or side to side depending on configuration and purchased brackets.

GM-SGRF-SC BILL OF MATERIALS

PARTS	
Part number: GM-20UV-SGRF-SC-#lb Description: LOWER BRACKET QTY: 1 	Part number: GM-20UV-SGRF-SC-#g Description: GUSSET QTY: 1 
Part number: GM-20UV-SGRF-SC-#sg Description: SUPPORT GUSSET QTY: 1 	Part number: GM-20UV-SGRF-SC-#bpb Description: BUTT PLATE BRACKET QTY: 1 
Part number: GM-20UV-SGL-#bpb Description: BUTT PLATE BRACKET QTY: 1 	Part number: GM-BKT-8020 Description: WEAPON LOCK BRACKET FOR 8020 QTY: 2 
Part number: GM-BP-XL Description: BUTT PLATE QTY: 2 	Part number: 1-HDW-8020-1530LB Description: ALUMINUM EXTRUSION QTY: 1 

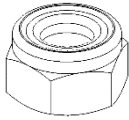
HARDWARE	
Part number: 1-FST-06-60825 Description: $\frac{1}{4}$ -20 x 5/8 BHCS QTY: 20 	Part number: 1-FST-50-60800 Description: $\frac{1}{4}$ WASHER QTY: 20 
Part number: 1-SLT-45K77 Description: $\frac{1}{4}$ x 2 x 5.625 FOAM TAPE QTY: 2 	Part number: 1-HDW-8020-2045 Description: EXTRUSION END CAP W PLUGS QTY: 1 
Part number: 1-HDW-8020-2119B Description: EXTRUSION SLOT COVER 24" QTY: 2 	Part number: 1-FST-8020-14165 Description: $\frac{1}{4}$ -20 DROP IN 8020 NUT QTY: 14 

Part number:

1-FST-35-31000

Description:

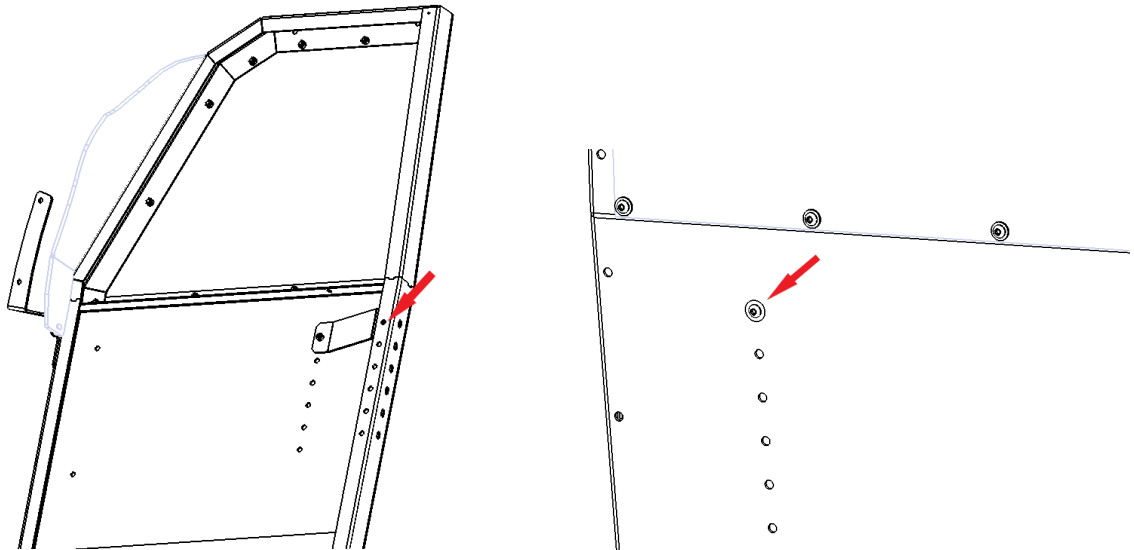
¼-20 NYLON INSERT NUT

QTY: 4**I.) Single cell preparation:**

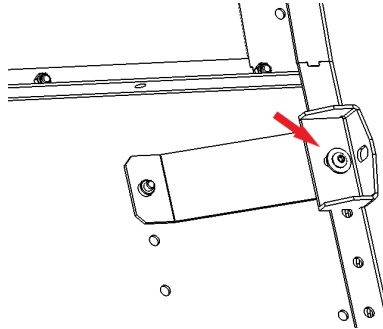
- 1.) Before installing weapon mount, ensure single cell installation in complete.
 - a. This mount and mounting process will work on all Troy single cells.

II.) Install Mount:

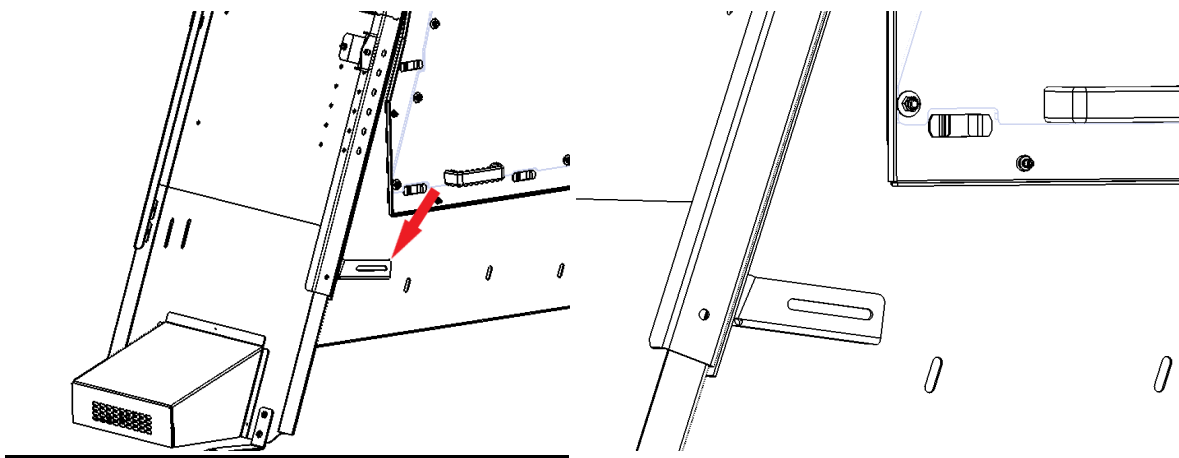
- 2.) Position support gusset (#sg) as shown and fix it in place with any ¼-20 screw and a 5/32 allen driver. From the rear side of the partition, use a provided ¼-20x5/8 screw and washer to fix the support gusset in place. Tighten this screw fully. Remove the first screw, leaving the gusset positioned from behind the partition.
 - a. Note that positioning the gusset further down the partition will move the weapon mount forward.



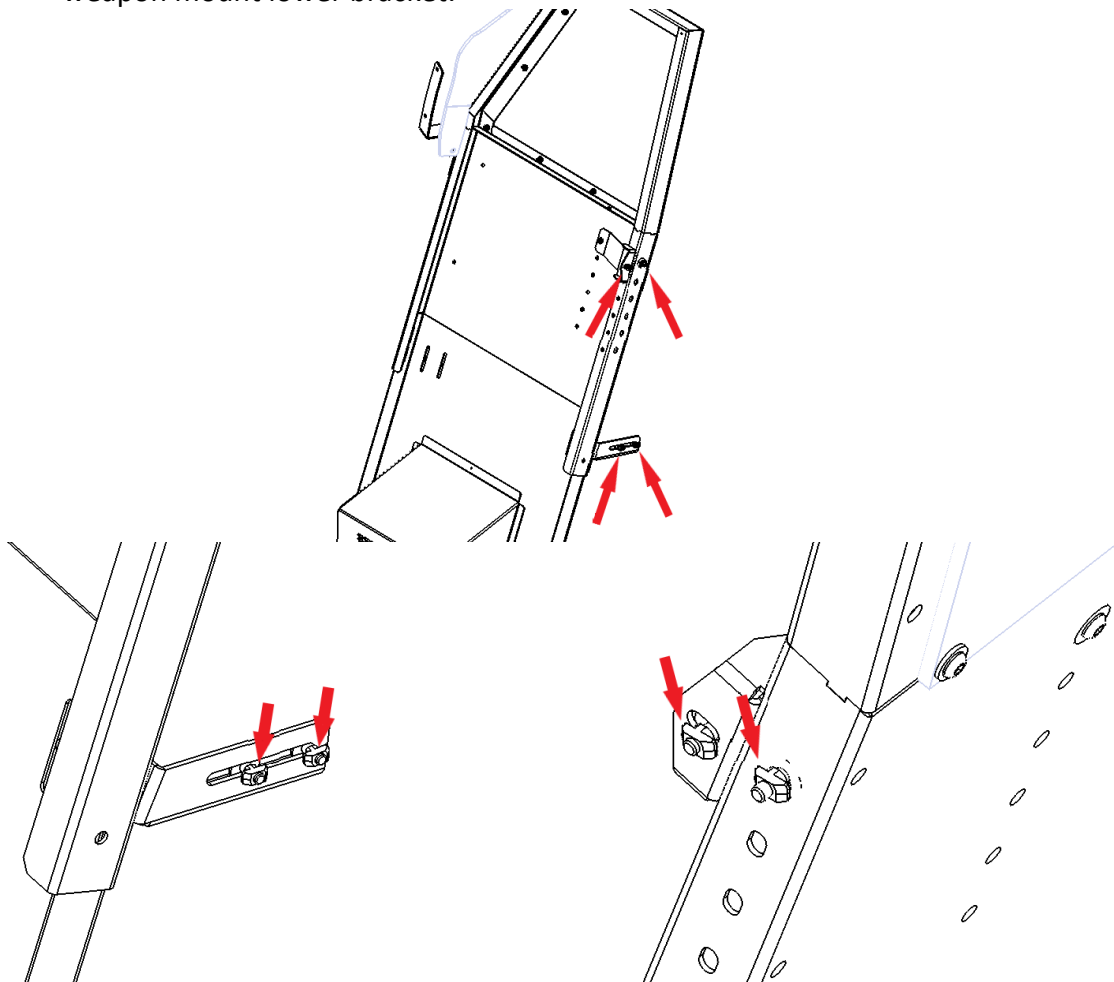
- 3.) Position gusset (#g) as shown and fasten it with a provided ¼-20x5/8 screw and washer in the location first used in step 1. Do not tighten this screw.



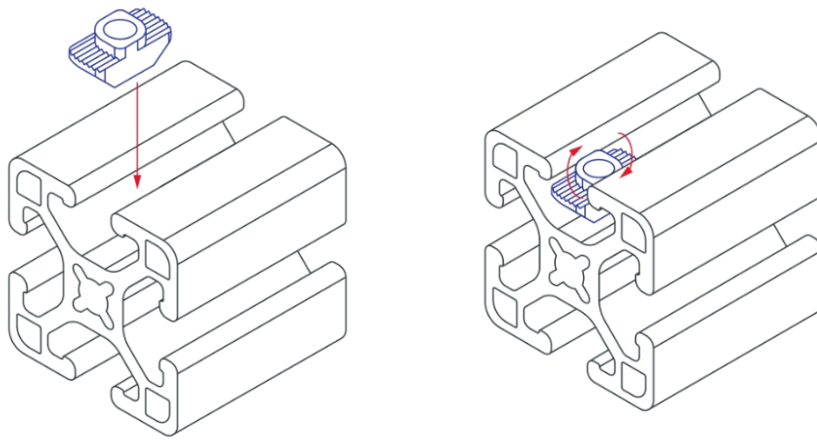
- 4.) Position the lower bracket (#lb) as shown. The lower bracket utilizes a screw already present in the single cell. If this screw is in place, use a 7/16 wrench and a 5/32 driver to remove the screw and fix the lower bracket in place. Leave this screw loose.



- 5.) Using four provided $\frac{1}{4}$ -20x5/8 screws, drop-in $\frac{1}{4}$ -20 nuts, and washers, position three screws as shown with drop-in nuts protruding from brackets as shown. Screws will be placed in mounting holes in single cell front weldment, weapon mount gusset, and weapon mount lower bracket.



- 6.) There are two ways to insert drop-in nuts into aluminum extrusion. They can be slid into extrusion slots from the ends of the extrusion, or they can be inserted into the side of any slot and rotated into locking position. Tightening the screws on these nuts will rotate them into locking position.

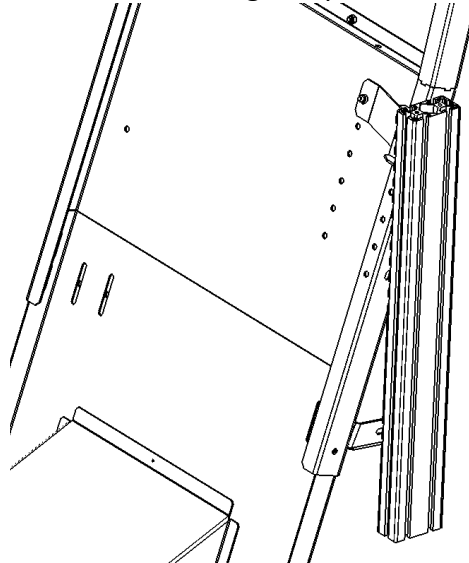


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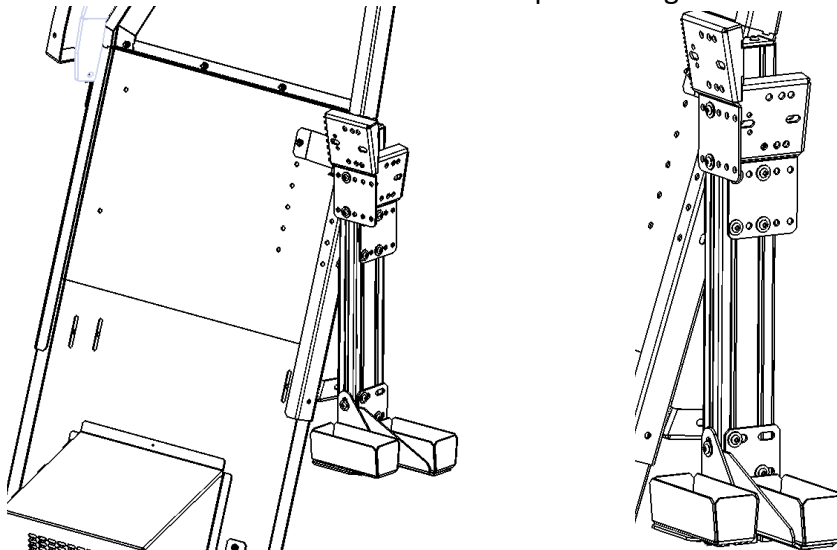
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- 7.) Using the nuts positioned in step 6, attach the aluminum extrusion to the single cell and tighten the four fasteners holding it in place with a 5/32 driver.

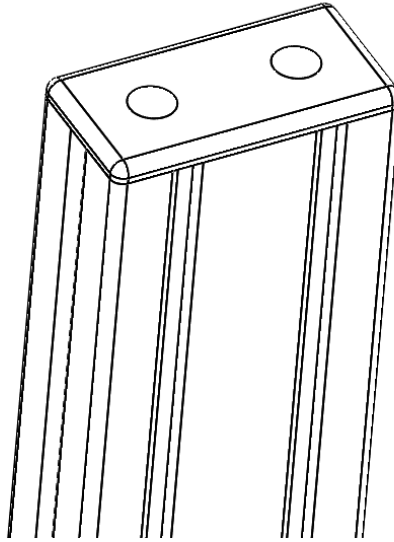


- 8.) Position weapon brackets and butt plates as needed using provided $\frac{1}{4}$ -20 x $\frac{5}{8}$ fasteners. One possible configuration is shown below with both weapons facing sideways. Weapons can be configured front to back if desired; use mounting brackets in opposite configuration as needed.

- a. Attach locks to lock brackets before positioning brackets.



- 9.) After attaching desired locks, wires can be routed through slots on sides of aluminum extrusion. Two 24" long channel covers are included to hide wires and close out open channels as desired.
- 10.) Place extrusion cap on top of extrusion when installation is complete.



III.) Alternate configurations:

- 11.) Weapons can be configured to run front to back or side to side depending on preference. Mount is fully movable vertically and can be adjusted forward and backward by attaching gusset and support gusset to different mounting options in partition.

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

