



RB Components

2019 + Sprinter Dual Underhood

Battery Tray



General Notes

- For the most up to date and current instructions, please visit our website at www.rbcomponents.com
- Please read all instructions thoroughly before starting installing this product.
- Battery trays designed to fit GC2 group size batteries.

Parts List

- (2) 61899-150-19 2019+ Sprinter Van Single 6 Volt Battery Tray
- (2) 61899-150-19-3 2019 Battery Tray Straight Battery Hold Down Bracket
- (2) 61899-150-19-2 2019 Battery Tray Angled Battery Hold Down Bracket
- (4) 60951-838 ¼-20 x 1-1/2" Flat Head HD Phillips MS Stainless
- (4) 60951-837 ¼-20 x ¾" Flat Head HD Phillips MS Stainless
- (4) 60951-687 ¼-20 Nylon Insert Locknut Stainless
- (9) 60951-675 ¼" Split Lock Washer Stainless
- (1) 60951-710 1/4-20x1-1/4 Hex HD CS 18-8 Stainless
- (2) 60951-702 ¼" USS Flatt Washer Stainless
- (6) 60951-686 ¼-20 x ¾" Hex HD CS Stainless
- (2) 60951-836 ¼-20 x 1" Flat HD Phillips MS Stainless
- (1) 61899-15-19-6 2019+ Sprinter Battery Tray Bent Driver Side Mounting Bracket (small hole on side)
- (2) 60951-695 ¼-20 x 1" Hex HD CS Stainless
- (1) 61899-15-19-5 2019+ Sprinter Battery Tray Bent Passenger Side Mounting Bracket
- (9) 60951-413 ¼-20 RivNut Zinc / Yellow Plated

Tools Needed

- 7/16 socket wrench
- 7/16 open end wrench
- 10mm socket wrench (to remove silver cpu driver side)
- Phillips Screw Driver
- Rivnut tool
- 3/8" drill bit (riv nut install)

Approximate Installation Time

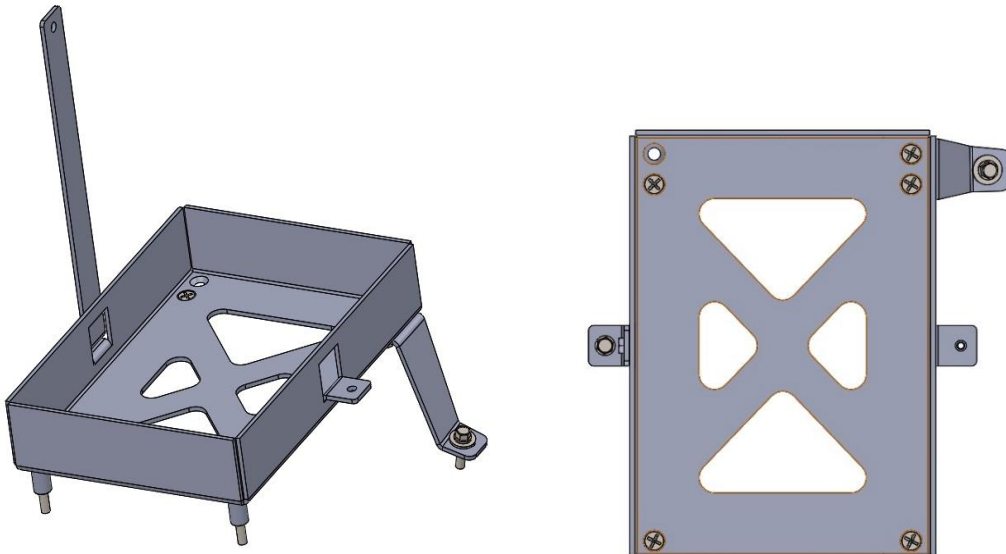
- 45 min – 1 hour

Installation

- 1) We will start on the passenger side. First need to remove the air box as it will make the battery tray install much easier. Using a 10mm socket remove the air box from the firewall as shown.

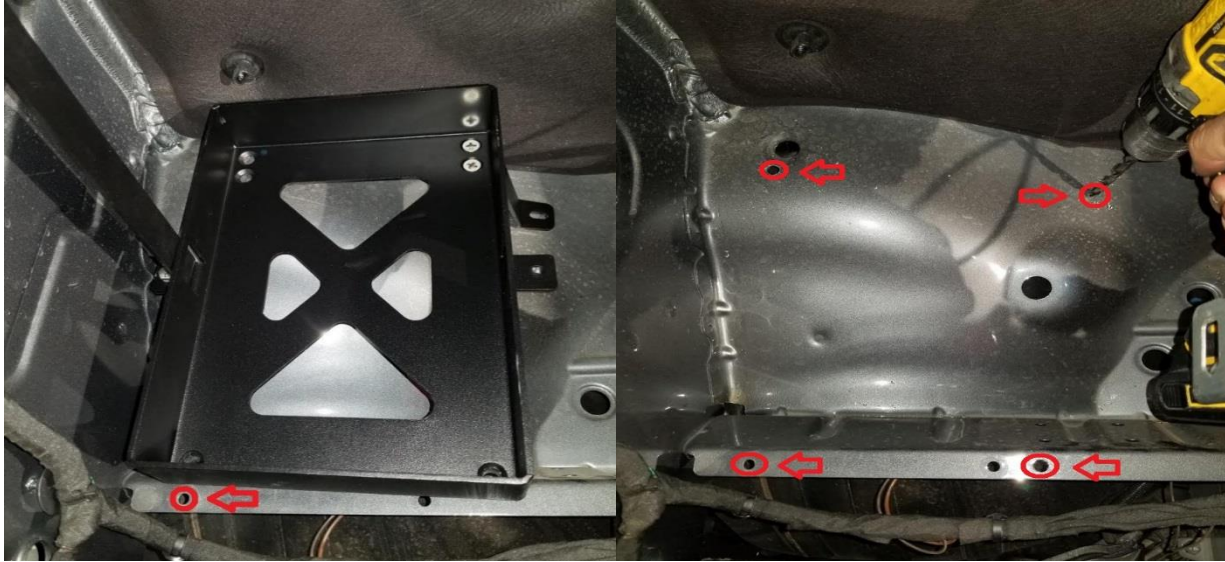


- 2) With the air box removed you will need to build up the passenger side battery tray as shown. Please take note that when building the tray to use the rear support bracket WITHOUT the hole as shown. Do not tighten straight bracket completely. Leave about $\frac{1}{4}$ " gap so when the battery is installed the top strap will align to be tightened down holding the battery in place.

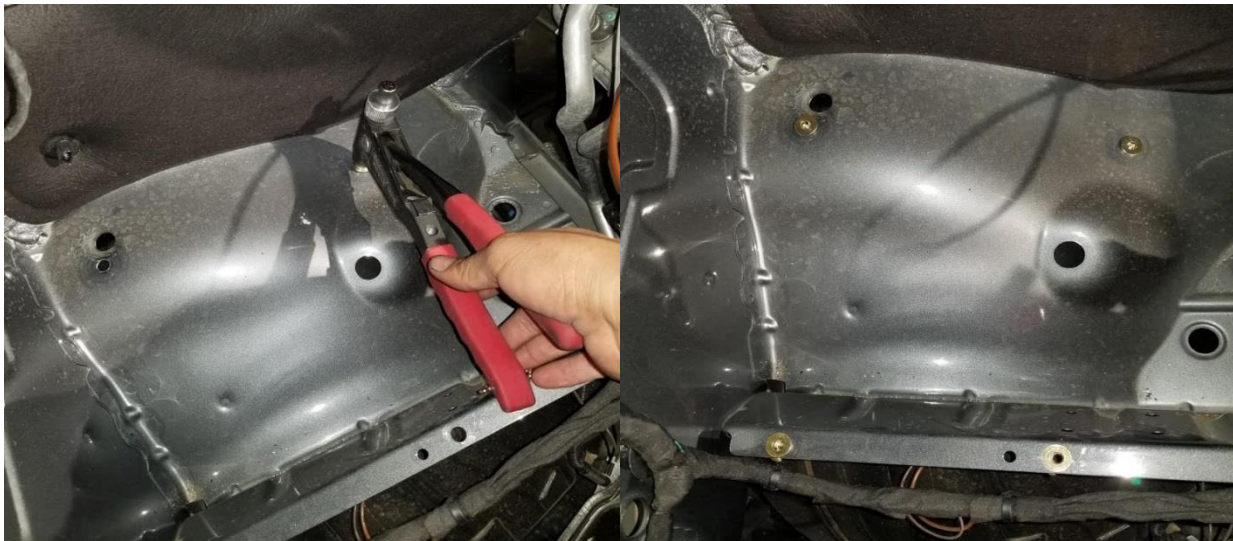


- 3) Before placing the battery tray in location the zip ties holding the wiring to the front wall will need to be removed. The front of the battery tray will sit on this front wall.

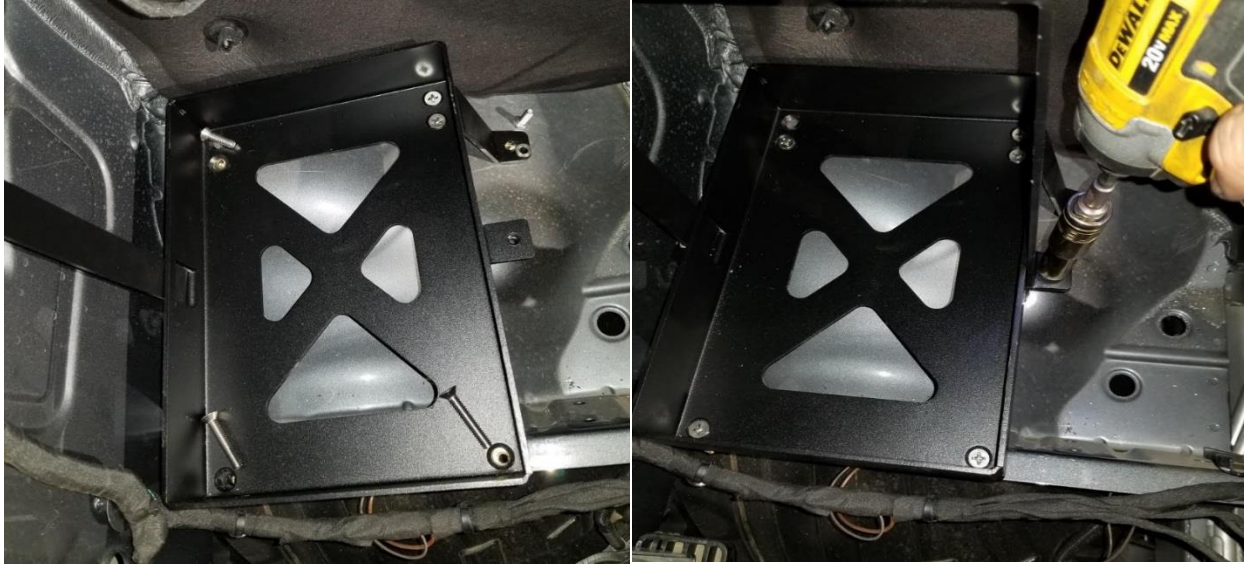
- 4) Place the passenger side battery tray in location. Using the far left hole already in the front mounting wall as shown as a reference point (in red). Drill out the reference hole with the 3/8" drill bit. Place battery tray over this reference hole and align tray so both front mounting holes sit squarely on the front mounting wall. Mark the other holes to drill your 3/8" holes. These will be used to mount the riv nuts so the tray can be fastened.



- 5) Insert the 4 gold riv nuts into the tray mounting holes you just drilled and secure the riv nuts in place using the riv nut fastening tool.



- 6) Mount battery tray in location using the hardware provided.



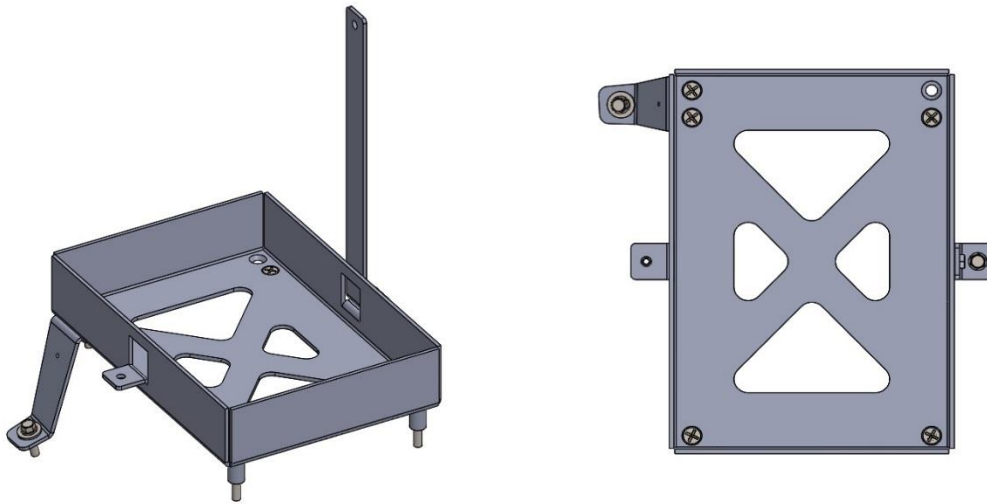
- 7) With the passenger side battery tray installed the driver side tray mounts exactly the same way. But first you will need to unclip the silver ECU unit from the housing and remove the plastic mounting tray using a 10mm socket wrench.



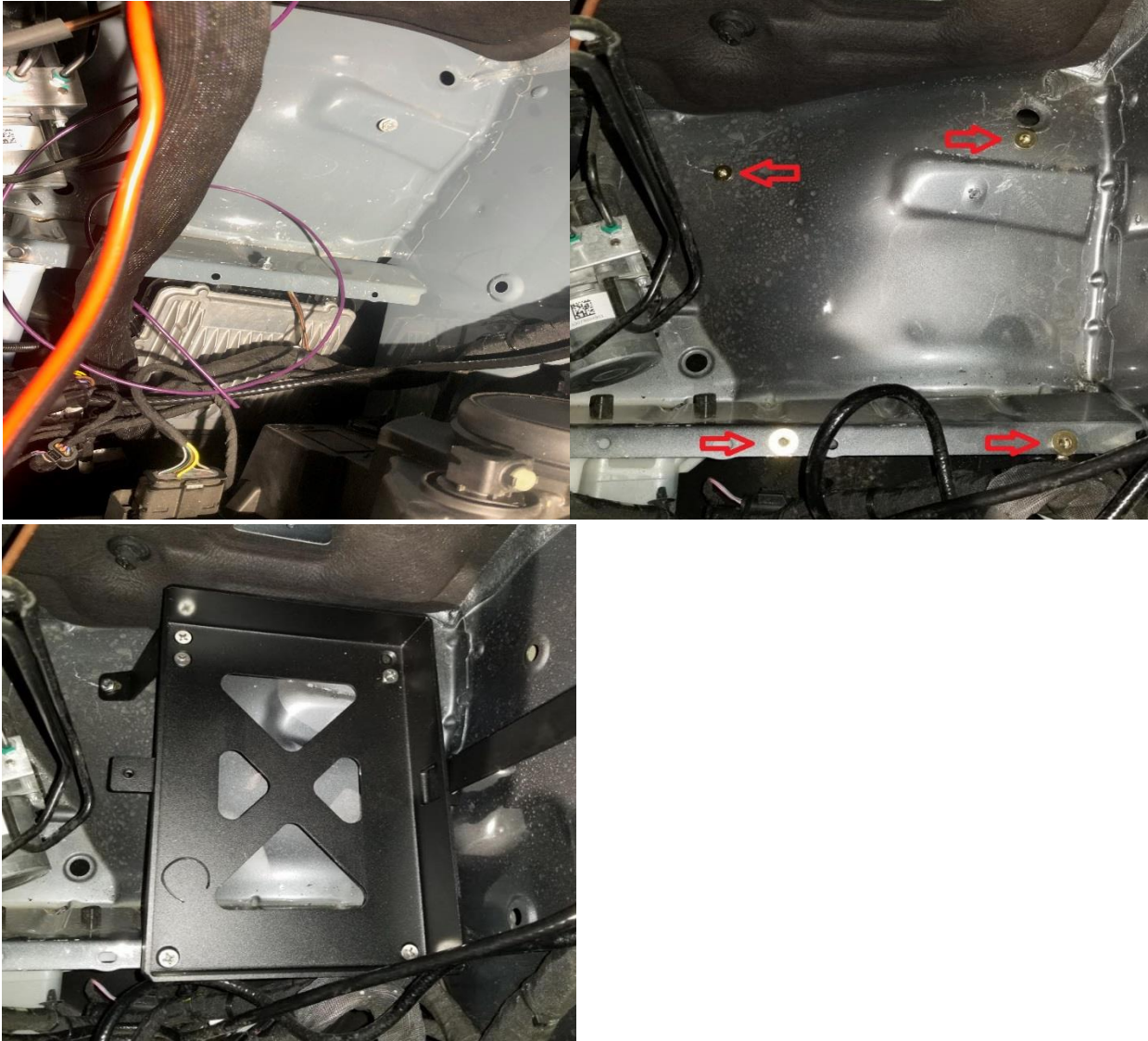
- 8) The lower mounting bolt will need to be cut so it clears the battery tray.



- 9) With the ECU removed you can build and install the driver side battery tray. Please note that the rear support bracket should have the hole on the side as this is specific to fit the driver side. Do not tighten straight bracket completely. Leave about ¼" gap so when the batter is installed the top strap will align to be tightened down holding the battery in place.



- 10) The driver side battery tray mounts just like the passenger side tray. Align battery tray over reference hole and mark the remaining mounting holes. Then using 3/8" drill bill to drill these out and insert the gold riv nuts. Mount tray into location.
- a) Vans with std headlights (shallow bucket type) the cpu can be repositioned and mounted to the front mounting wall as shown. You will need to drill a mounting hole in this location before the tray is mounted as shown below.



- 11) With both battery trays installed the next step is wiring everything up. The wiring of both battery trays should be done before re-mounting the ECU.
- 12) The ECU in vans with std headlight buckets (shallow type) the ECU can be secured to the mounting wall. Vans with the deeper light buckets (LED High Performance light) there mounting location for the CPU will have to mount to the fire wall as shown. Before drilling into the fire wall there is a wire bundle on the back side that will need to be re-positioned so that not to damage the wires. To do this you will need to locate the wire bundle on the backside of the fire wall and clip the zip tie to allow for extra access when the pilot hole is drilled. Once your hole is drilled to remount the CPU you can then re-mount and zip tie the wire bundle back in location.



13) With ECU riv nut installed use the (# 60951-710)1/4-20 x 1-1/4 Hex head with (#60951-675) washer to secure ECU to bulkhead wall. Note: the bottom of the plastic mounting tray should be resting on top of the battery tray. This will help support the weight of the ECU.



Installation is now complete. If you have any further questions on this or any other RB Components product please feel free to reach us directly (562)802-1200.