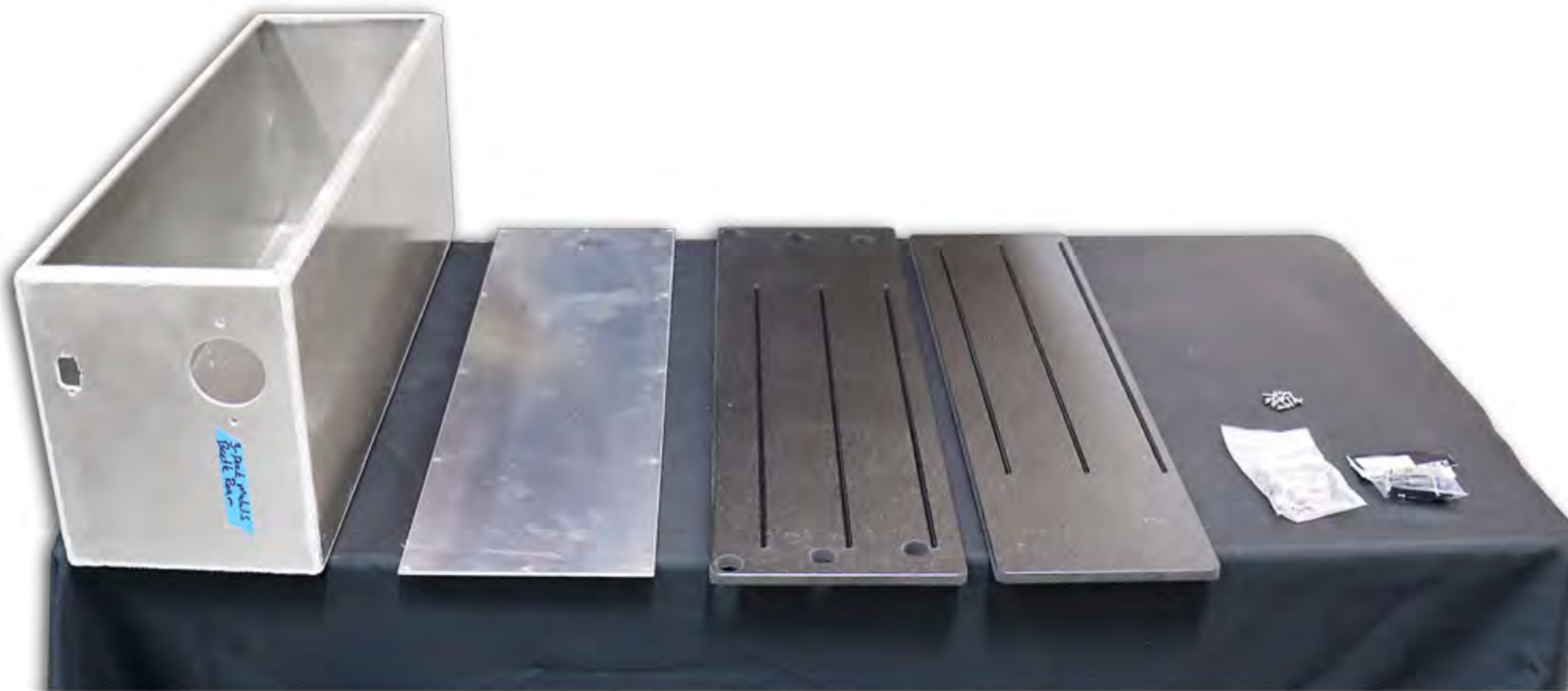




Installation Guide

VW Beetle Rear Battery Box '59 - '71 Kit



Hardware Included

1. Battery box with lid (qty 1)
2. Plastic dividers (qty 2)
3. Enclosure screws M4 x .7
12mm long (qty 12)
4. M10 x 1.5 counter sunk bolt
(qty 6)
5. M10 nylock nut (qty 6)
6. MX150 Bulkhead Plug (qty 1)

If anything is missing from your kit, stop now and contact sales@ewwest.com

Tools Needed

1. 2.5mm Allen Wrench
2. Drill & unibit to drill one inch hole
3. Phillips Screwdriver #2
4. Adjustable Wrench
5. 6mm allen wrench
6. 15mm wrench/socket

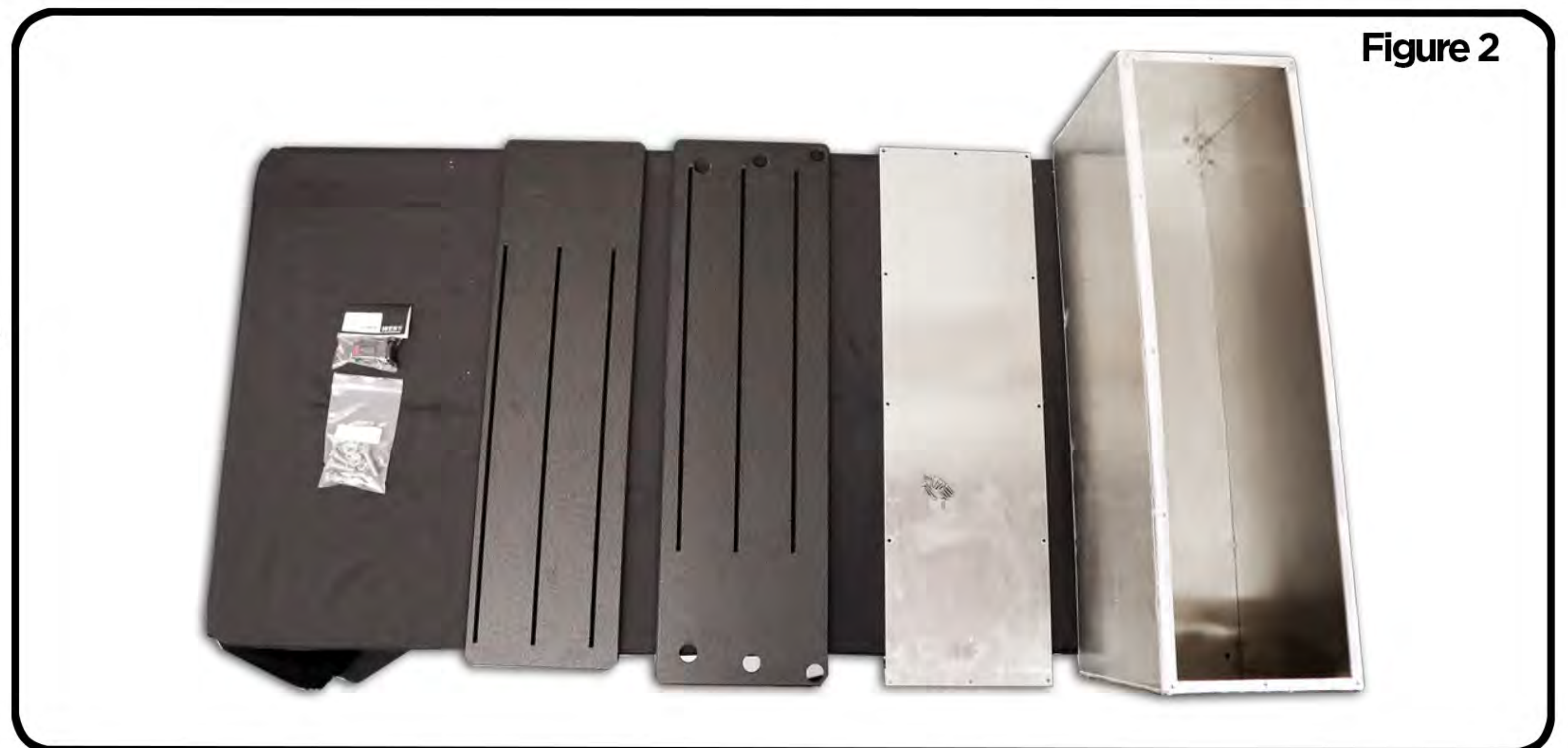


Figure 2

We suggest dry the enclosure before paint or powder coating the enclosure. For best protection we recommend Wurth Stone Guard or automotive paint.

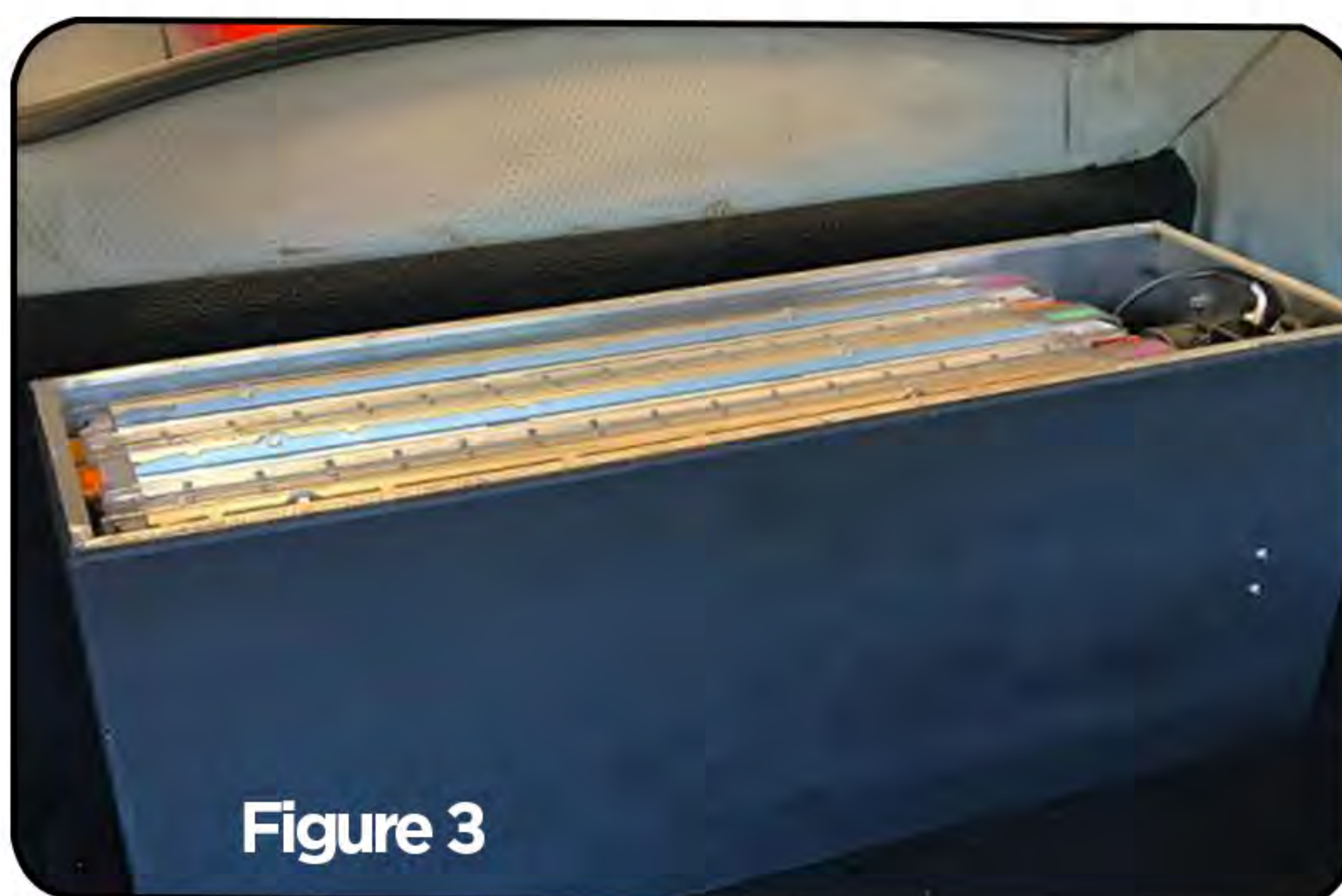


Figure 3



Figure 4



Figure 5



Figure 6

Step 1. Pre-fit and mount the battery box into your vehicle to ensure mounting locations as well as cable routing and overall clearance. You will need to drill 2 holes wherever you plan to have your high voltage positive and negative cables exit the box. We recommend using the $\frac{3}{4}$ " glandnuts for this step. In most applications these will be drilled on the side of the box where the maintenance switch goes.(fig. 6,)

Figure 7



Figure 8



Step 2. Once the box mounting is figured out you will want to place the lower plastic panel into the bottom of the box. (Fig. 7,8)

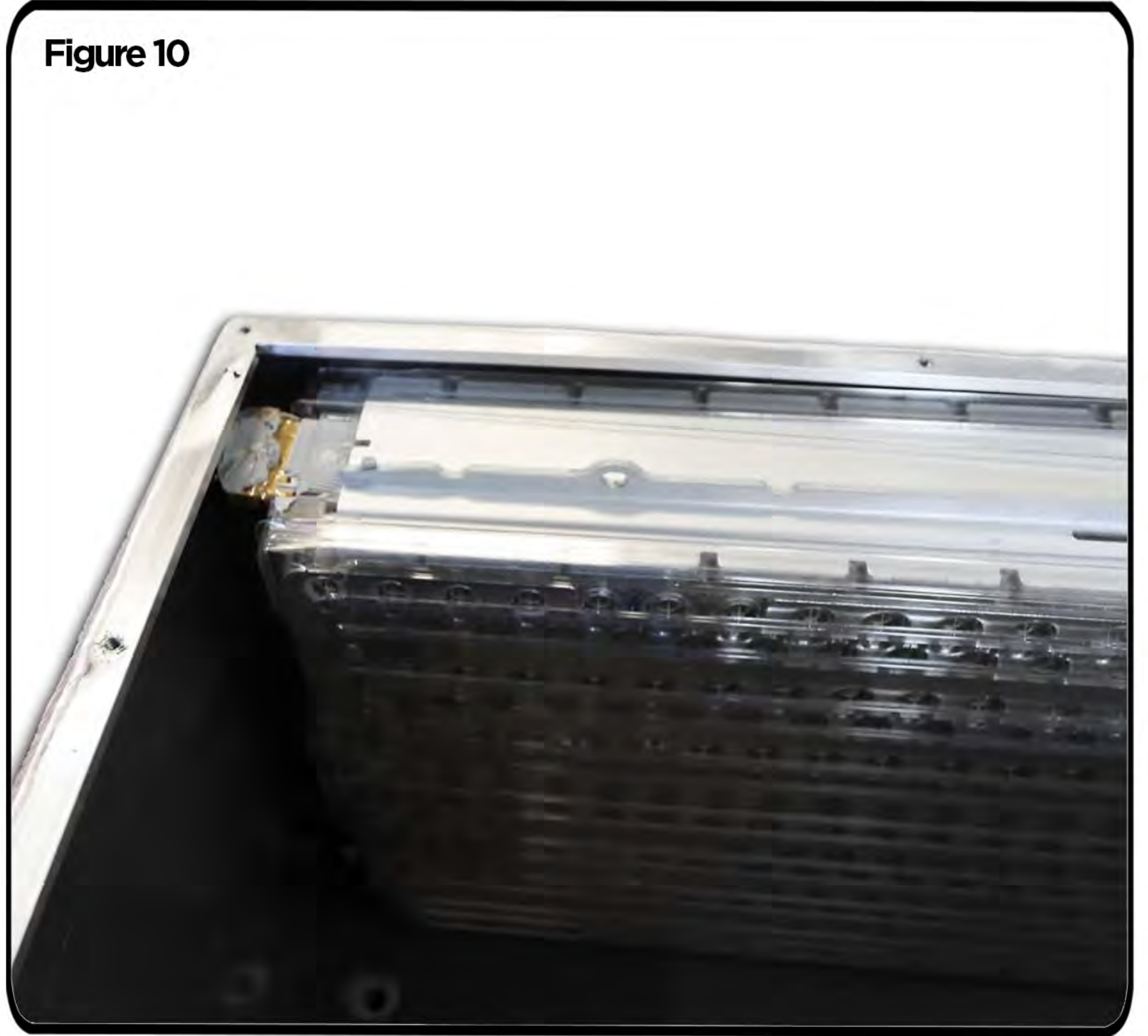


Step 3. Once the lower plastic panel is inserted into the box. You can now insert the first battery module. You will want to install the batteries on the outer edges first. Make sure that the rib on the battery sits down inside the groove on the plastic so the lid can sit flush (fig. 9, 10)

Figure 9



Figure 10



Step 4. Insert battery #2 into the opposite side of the box from battery #1. Once again make sure that the rib on the battery sits down inside the groove on the plastic so the lid can sit flush. (Fig. 11, 12)

Figure 11



Figure 12

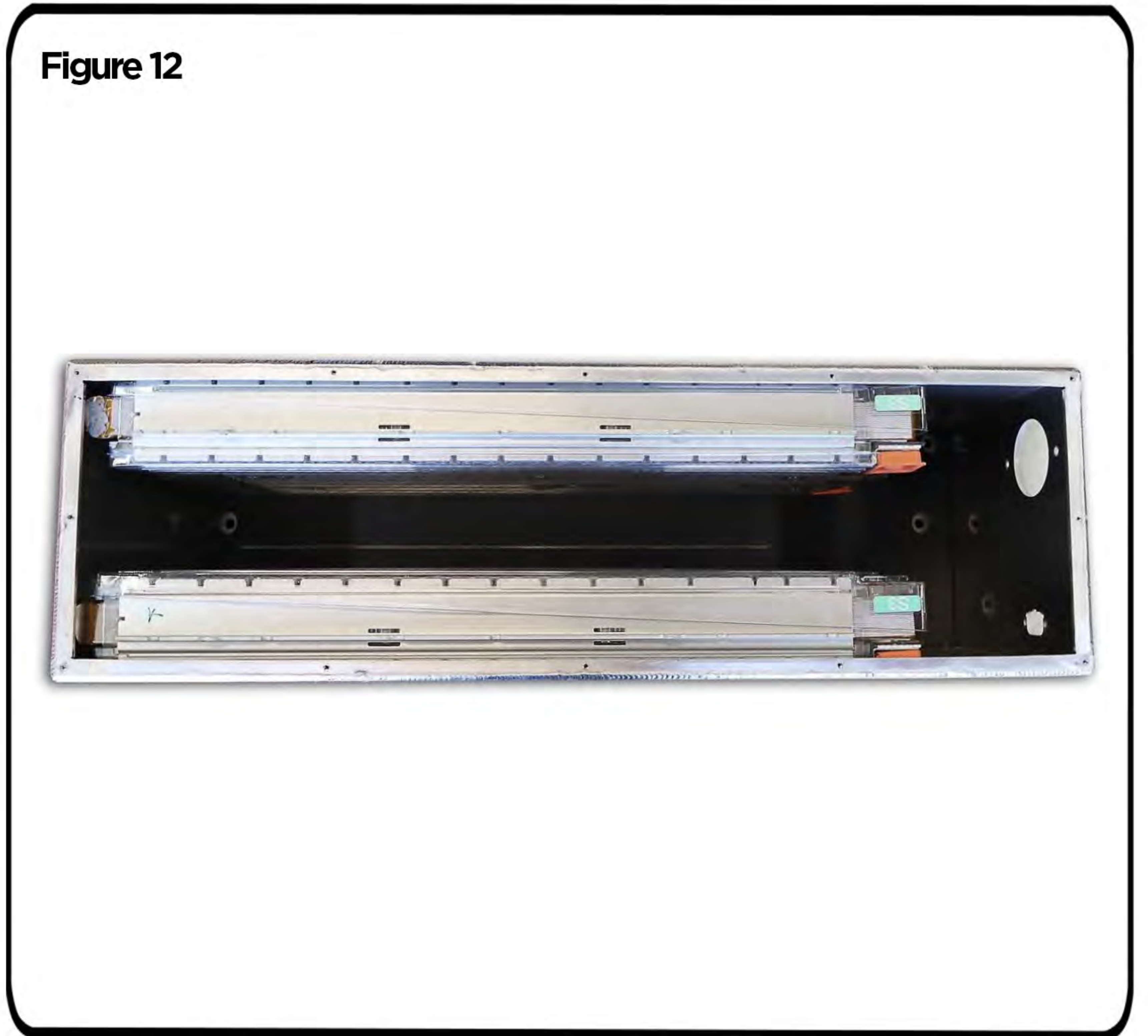




Figure 13



Step 5. Insert battery #3 into the center of the pack. It helps to start with the battery at 45° to get the rib started in the groove. Once you have a corner started it is easier to slide the battery down the ABS to sit flush with the other two modules. (Fig. 13, 14, 15)

Figure 14

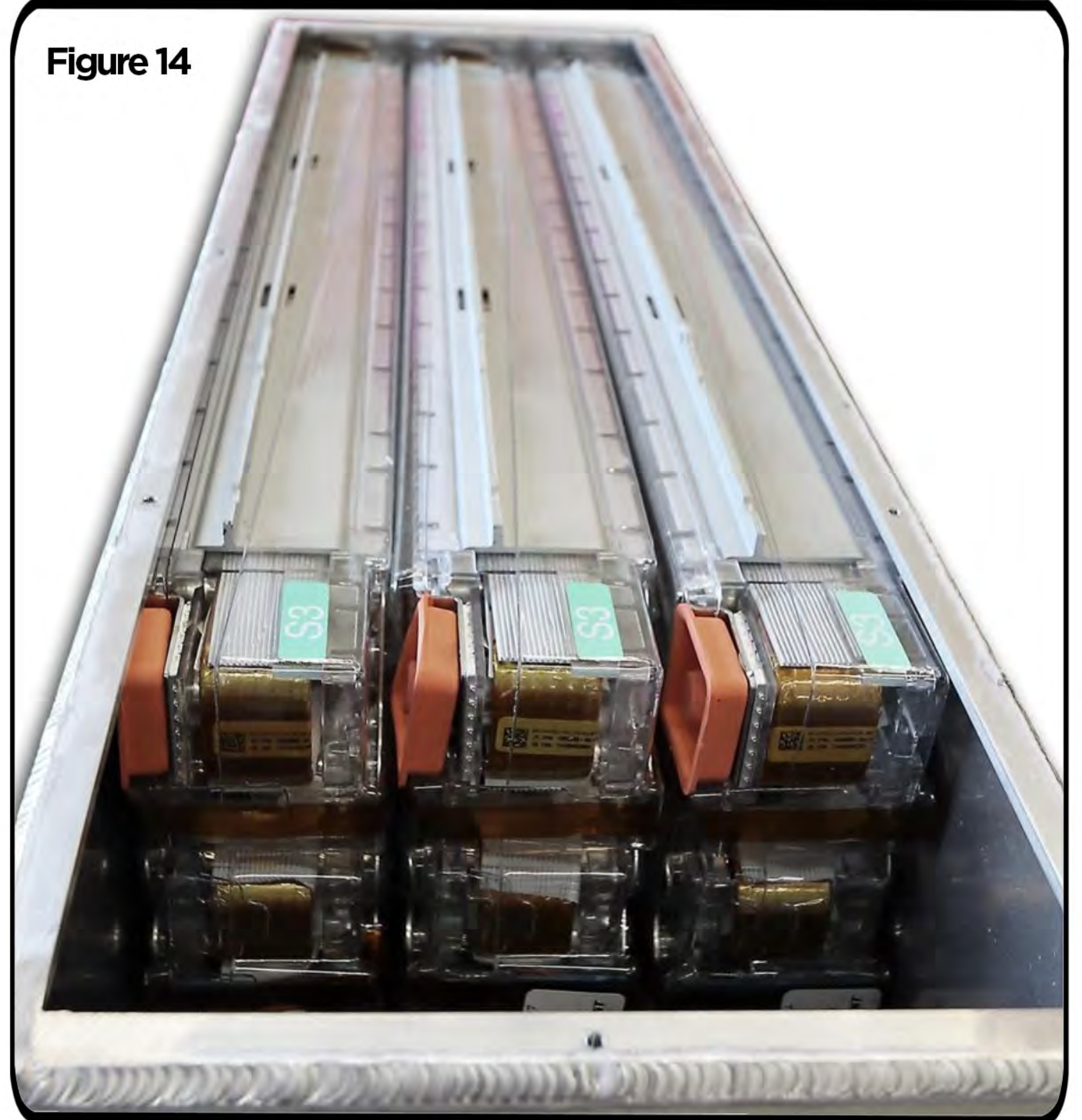


Figure 15

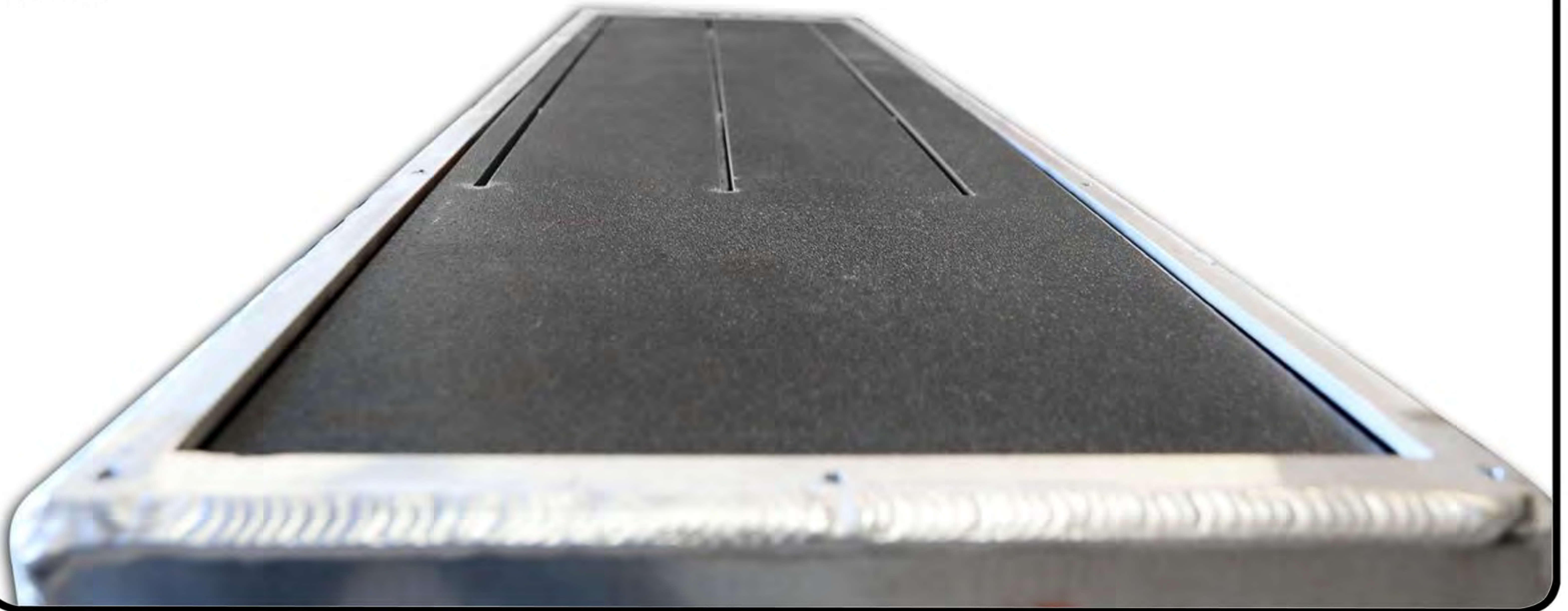




Step 6. After all 3 of the batteries are properly inserted into the box you can then install your HV maintenance switch as well as your MX150 panel mount plug. (Fig. 16)

Figure 16

Step 7. Once the modules are installed, wired, BMS is hooked up and working correctly you can then insert the top plastic panel making sure the ribs are lined up with the slots in the panel. (Fig. 17)

Figure 17



Step 8. Final step of the battery box assembly would be to bolt the lid down securing the batteries and components inside. You can use a thin bead of caulking to seal the lid to the top flange to help prevent moisture from coming through. (Fig. 19)

Figure 19

Have questions or need assistance, please email: support@evwest.com



Product Page