

Tools required for installation

- 2" Hole Saw
- 3" Hole Saw
- Electric Drill with Philips Screw Driver
- Flat Head Screw Driver
- 11/32" wrench

Hardware needed for retail battery boxes:

- (2) Hose clamps
- (18) #10 Self tapping screws
- Putty tape
- Pre-cut foam tape

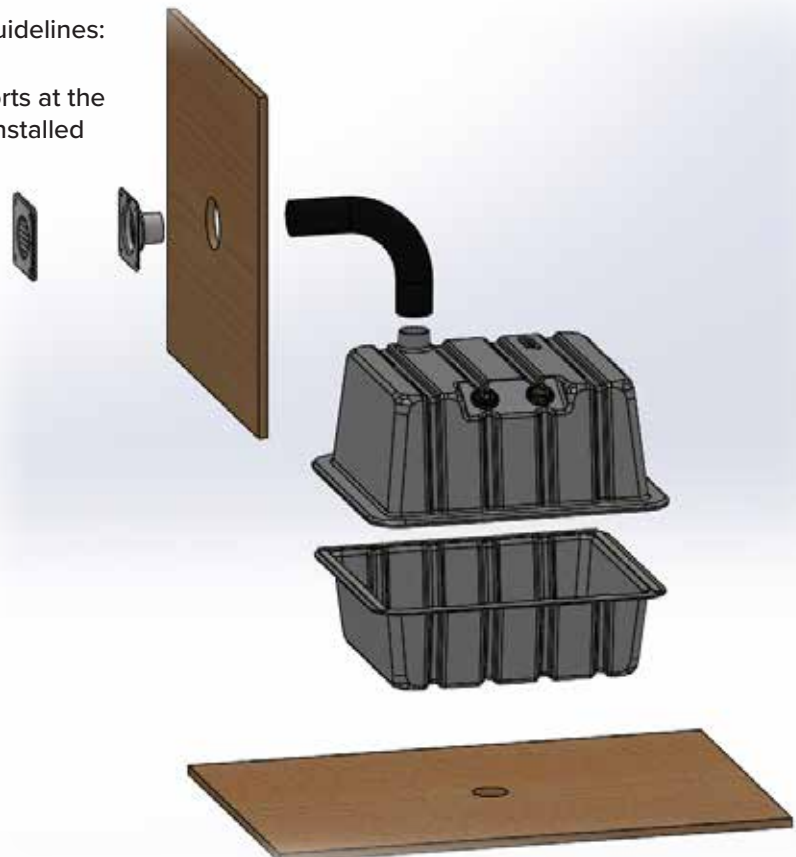


Safety Claims and Installation Guidelines

Vented battery boxes are required by OEM trailer manufacturers when lead acid batteries are located within enclosed areas in order to eliminate hydrogen battery fumes from accumulating in the occupied space.

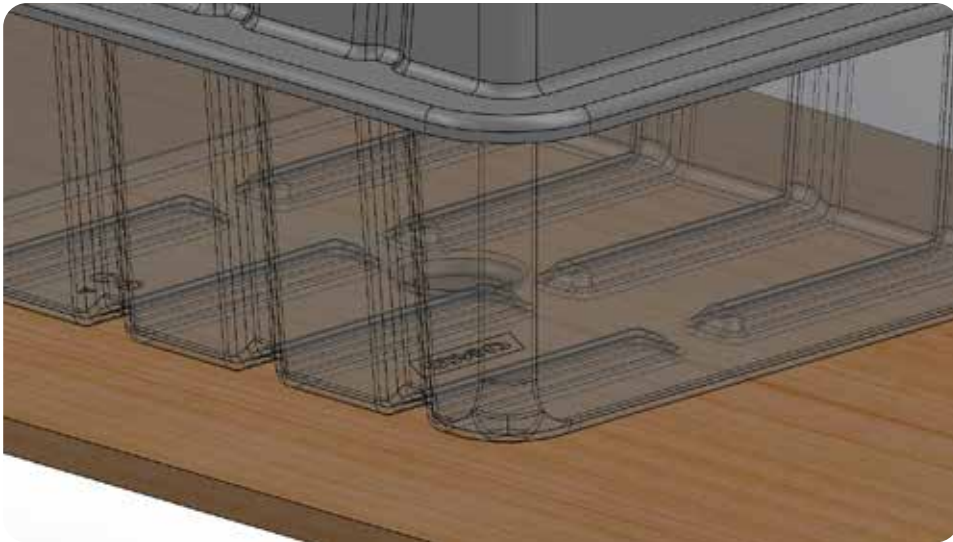
Battery box placement should follow the below guidelines:

- Boxes should be oriented so as to keep vent ports at the extreme top and bottom. Boxes should not be installed with vent ports facing sideways.
- Boxes should be securely mounted to the vehicle/trailer frame or structure. This can be done by screwing the bottom box to the vehicle, inserting the battery and wiring, and then securing the top box to the bottom box.
- Vent hose routing should not have any dips, sags, or traps. This can cause the gas to become trapped in the hose and not vent to the exterior of the vehicle.

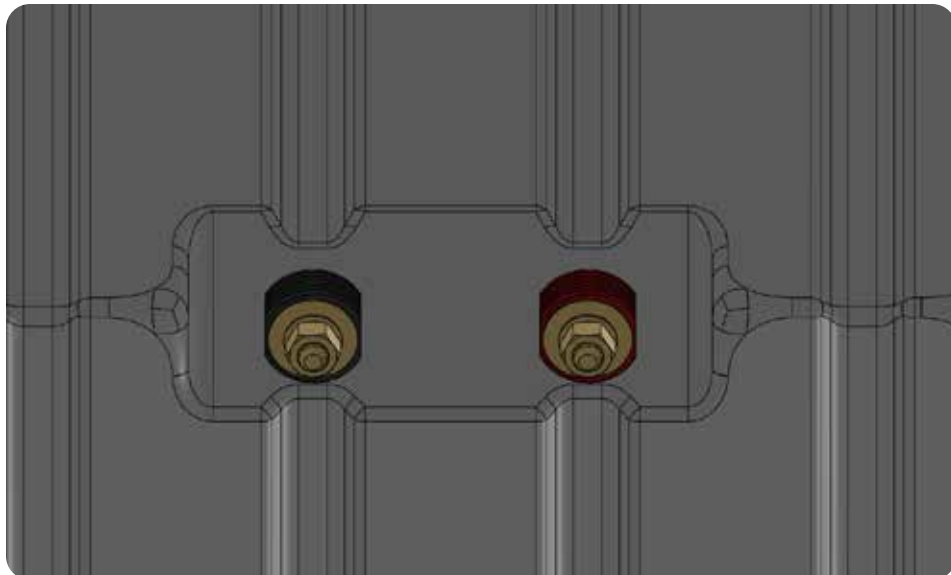


Instructions:

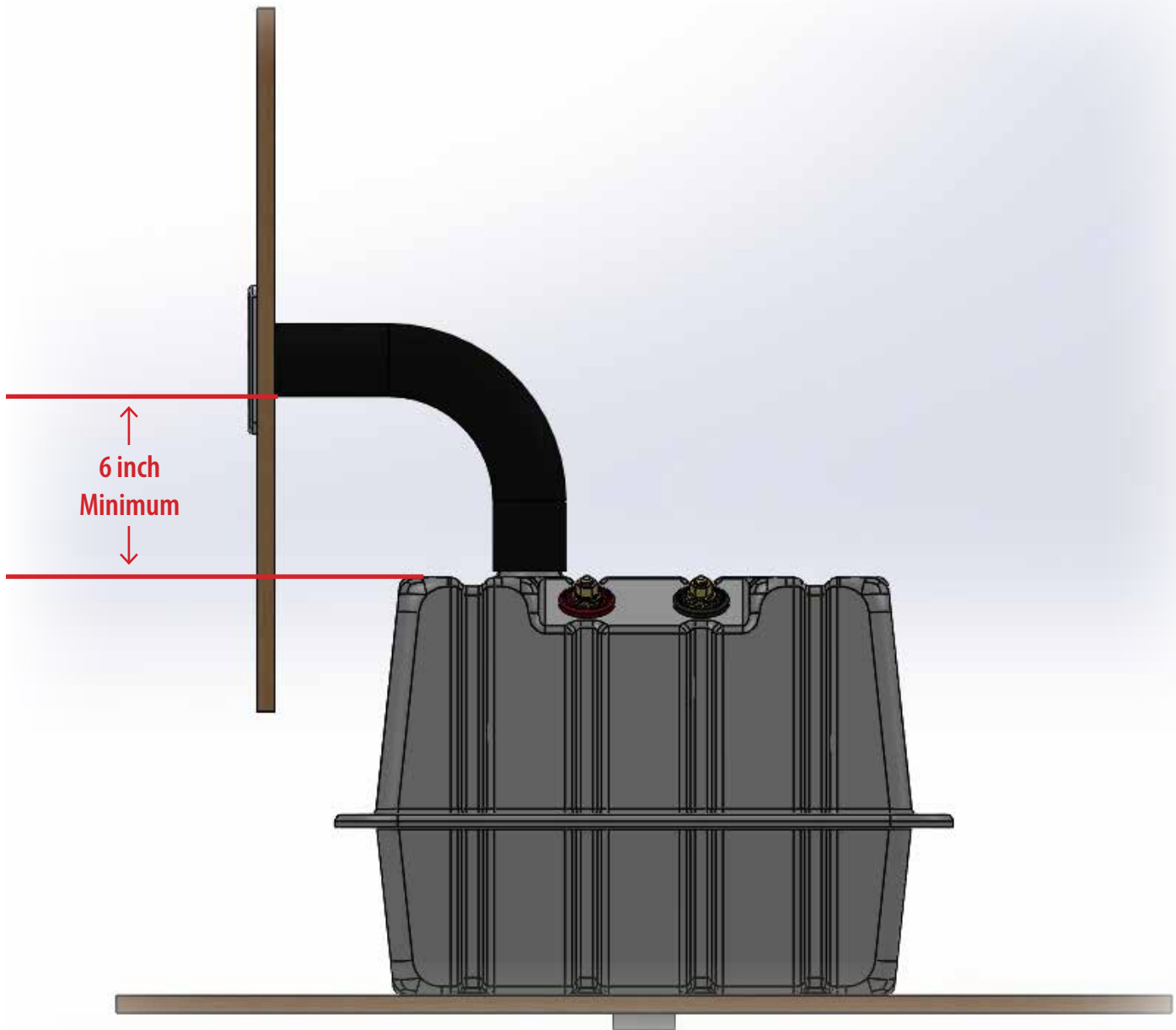
1. Find suitable location for installation of the battery box. Remember you will need enough vertical space to drop in and remove the battery for maintenance and storage. Mark where the bottom vent port will be located on the floor. This should not be over any framing of the trailer. Use the 2" hole saw to drill through the floor panel.
2. Use some of the putty tape supplied to wrap around the base of the bottom vent port. Position lower battery box on floor with vent port protruding through the 2" hole drilled in step 1. Use (4) of the supplied #10 self-tapping screws secure the lower box to the floor.



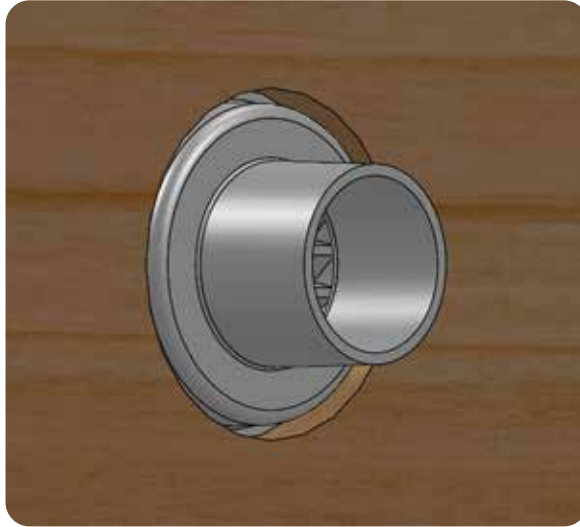
3. Insert battery into lower box.
4. Apply foam tape to flange of lower box.
5. Attach battery cables to battery studs on inside of top box. Secure upper and lower boxes together using the (10) supplied #10 screws.



6. Find a suitable location to install the vent hose mount plate and vent grill to a sidewall of the trailer. The location should be at least 6" above the top of the battery box to allow proper venting.



7. Use 3" hole saw to make a hole in the side of trailer. Apply putty tape to rear side of the hose mount plate flange and place into the drilled 3" hole from the outside of the trailer.



8. Align the vent grill on top of the hose mount plate and attach to the trailer using the (4) supplied #10 screws. Make sure the vents are directed downward to keep rain from getting into the hose and battery box.



9. Take the vent hose and slide both hose clamps onto it. Attach one end to the top of the battery box and the other to the backside of the hose mount plate on the inside of the trailer wall.
10. Connect external battery cable to the battery studs on the exterior of the upper box.

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