

Battery Mount (Vertical)- User Guide (Rev 1)

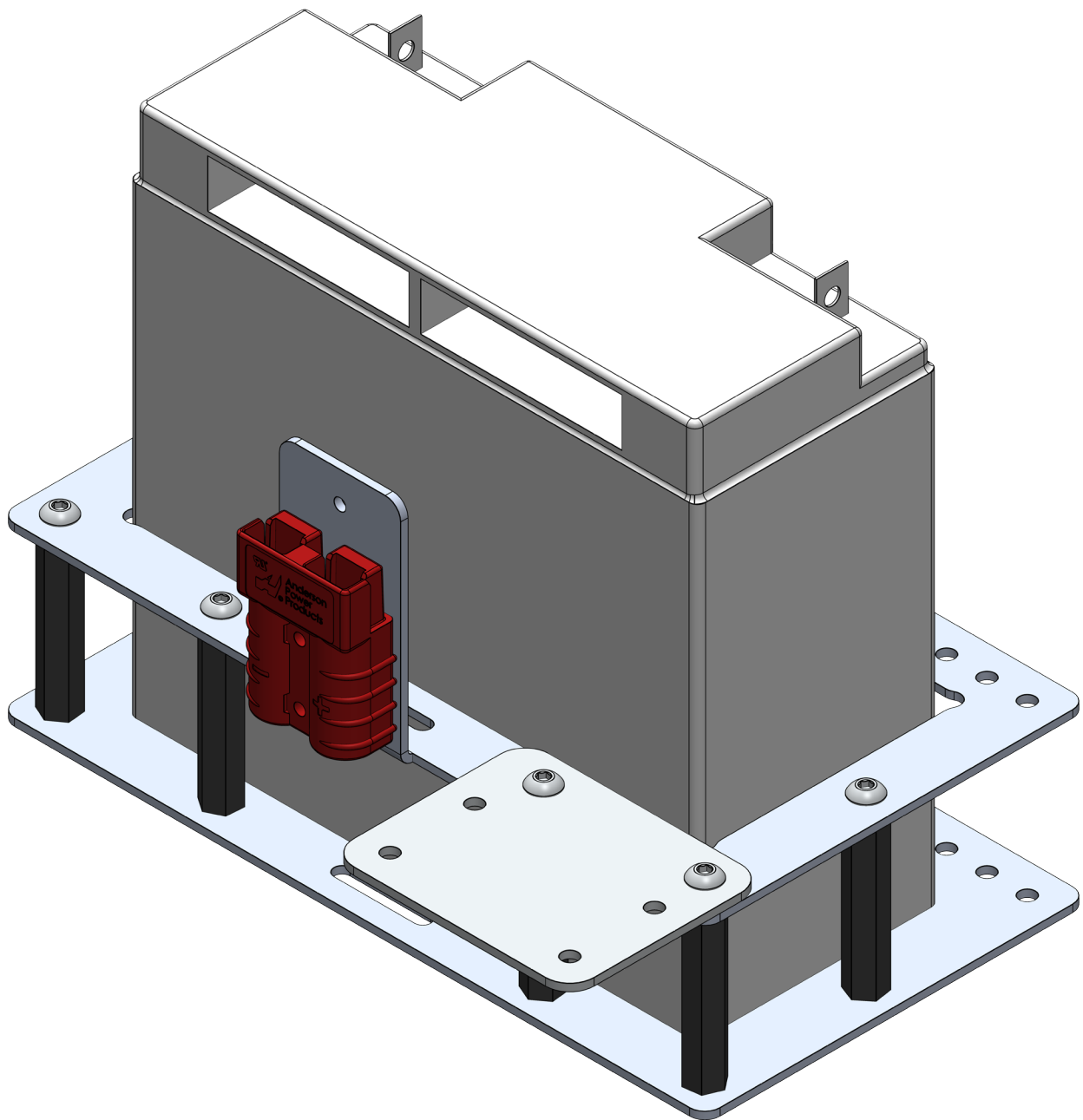




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What is the Battery Mount (Vertical)?

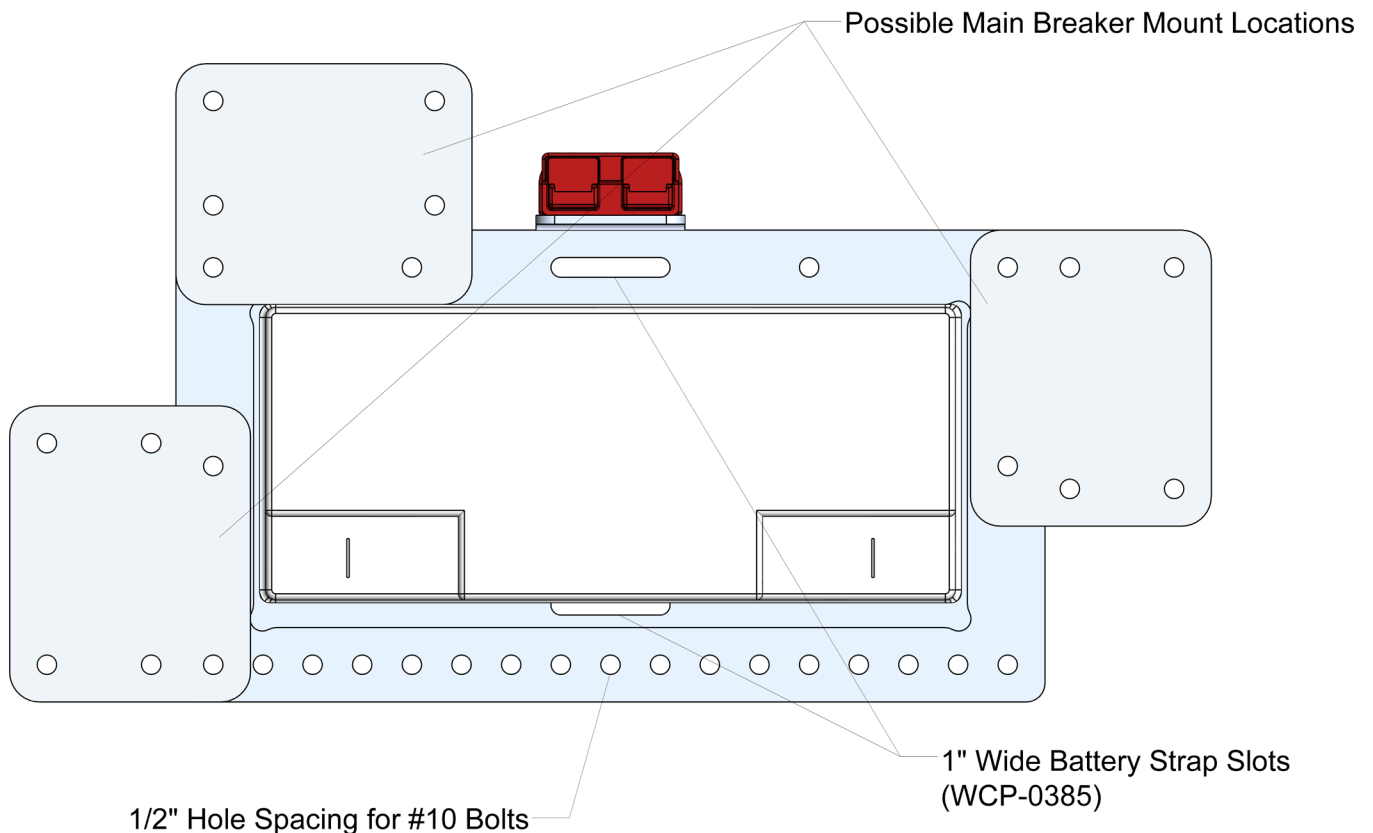
The Battery Box kit is one of the easiest ways to securely mount your robot battery to your chassis. The box can be mounted via any of its attachment holes or even sandwiched around a piece of 2"x1" VersaFrame, and retains the battery geometrically with its precision-machined pocket and easy attachment strap. Alongside the battery mount are special features designed to mount the 120 amp main breaker and the battery cable connector, giving teams a strongly-attached, predetermined space for these commonly forgotten control system components. Loose battery parts are a thing of the past with the WCP Battery Box!



Feature Highlights

Features of the WCP Battery Mount (Vertical):

- Built in SB 50 mount with security hole for second SB 50
- Multiple mounting locations for Main Breaker Mount
 - Mounting holes work with any set of holes with 2" center to center spacing
- Slots for battery strap
- Can mount directly to VersaFrame





Assembly Instructions

The following instructions are the recommended method for assembling this product. The Battery Mount is designed to be a flexible product to work in many situations so teams may find an alternate assembly method that better fits their design.

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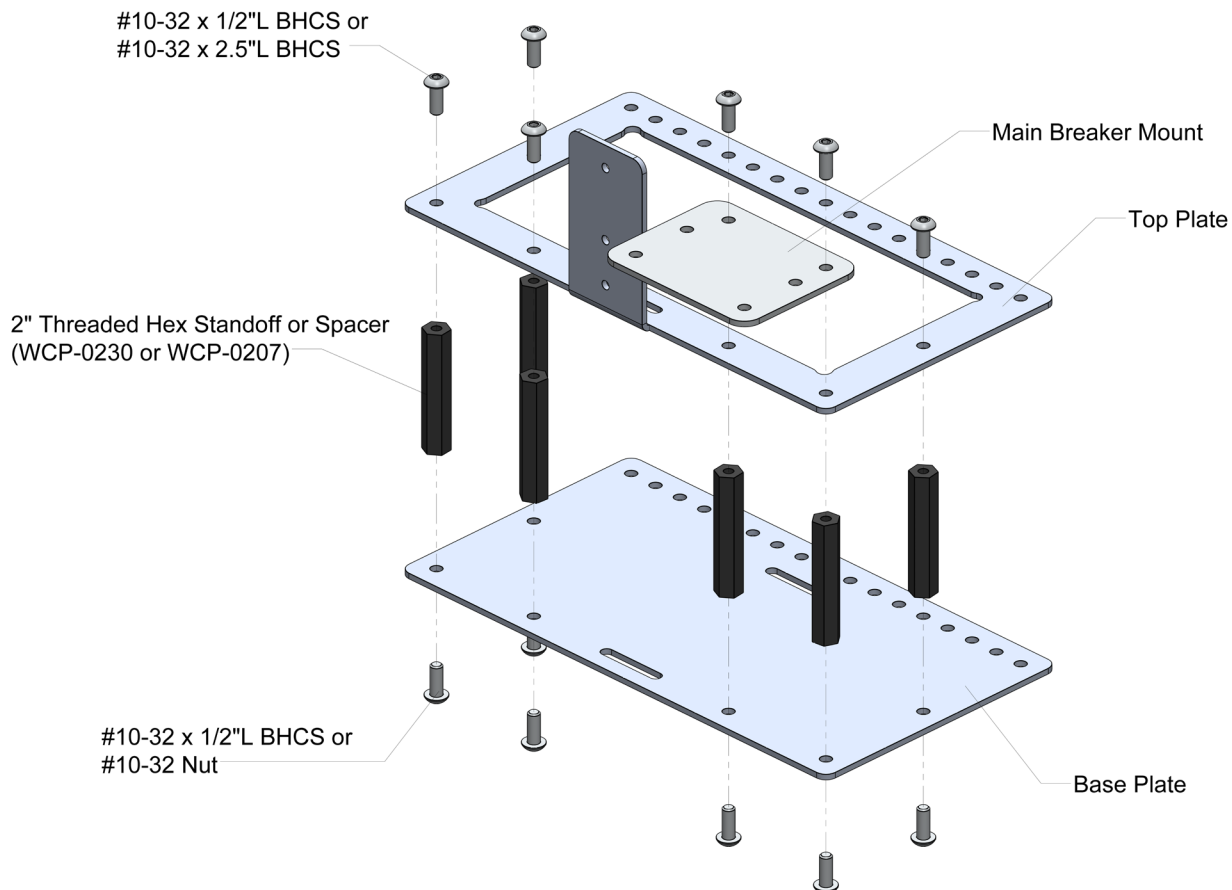


Step 1

Depending on the desired assembly method, there are two options for the bolts and spacers. Use the desired hardware for your application.

- Spacer Option - #10-32 x 2.5" L BHCS, #10-32 Nuts, and 2" Spacer
- Standoff Option - #10-32 x 1/2" L BHCS and 2" Threaded Hex Standoffs

Assemble all components in the desired locations. Below is just a recommendation for locations and components.



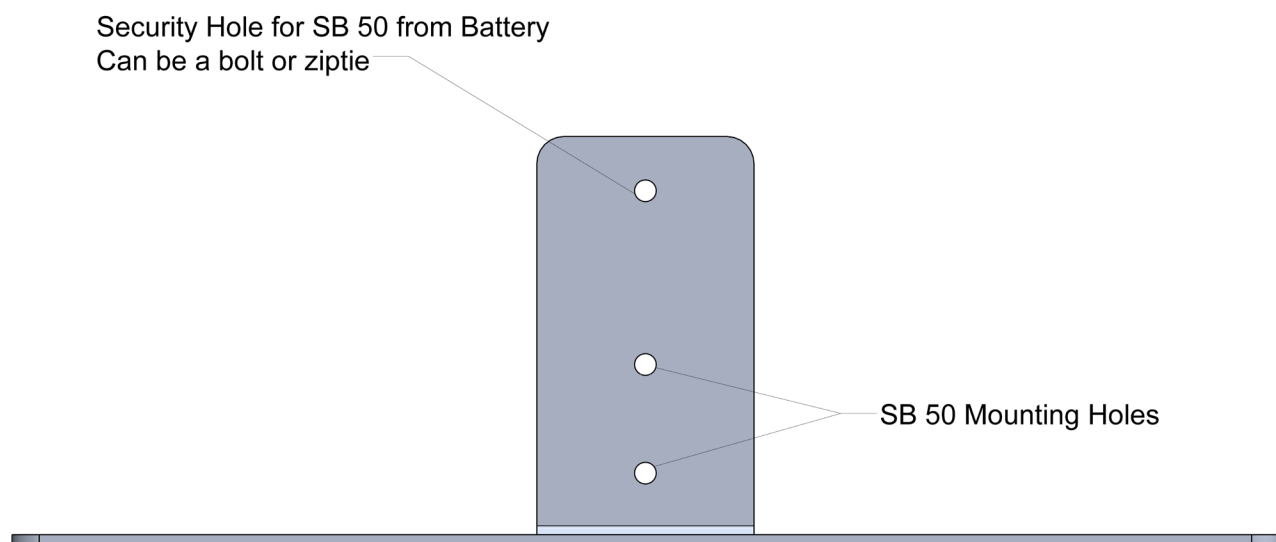


Mounting SB 50

The SB 50 can be mounted with a #6-32 bolt and nut or by tapping the SB 50 to #8-32 and using a bolt.

The SB 50 that comes from the battery can then be secured with the second hole in a variety of ways. Teams can use their preferred method.

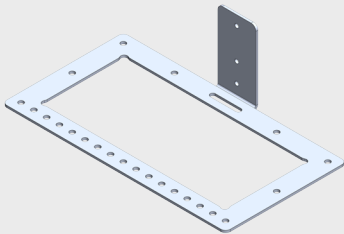
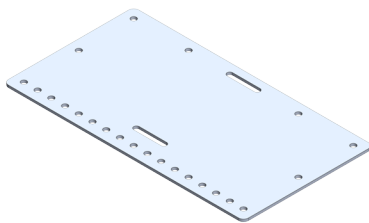
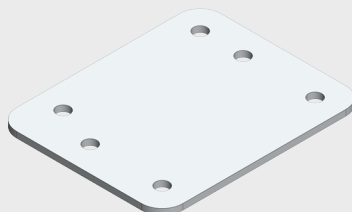
- Top most hole that a thumbscrew (tap the SB 50) can be installed in
- Run a zip tie through the hole around the connector from the battery
- Run a large zip tie through the cutout for the strap and around both SB 50's



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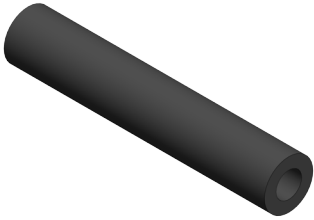
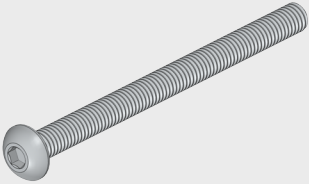
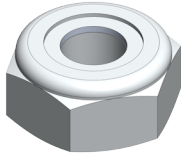


Kit Contents

Picture	Name	QTY	Kit
	Top Plate	1	Base Kit
	Base Plate	1	Base Kit
	Main Breaker Mount	1	Base Kit



Recommended Parts to Buy (Spacer Version)

Picture	Name	QTY
	Battery Strap (Buckle, 1" Wide) (WCP-0385)	1
	Aluminum Spacers (.196" ID x 3/8" OD x 2" WD) (5-Pack) (WCP-0207)	1-2
	#10-32 x 2.500" L BHCS (Steel, Black Oxide) (50-Pack) (WCP-0261)	1
	Thin Lock Nut (#10-32, Zinc) (100-Pack) (WCP-0326)	1



Recommended Parts to Buy (Standoff Version)

Picture	Name	QTY
	Battery Strap (Buckle, 1" Wide) (WCP-0385)	1
	Aluminum Threaded Hex Standoffs (#10-32 ID x 3/8" OD x 2" WD) (5-Pack) (WCP-0230)	1-2
	#10-32 x .500" L BHCS (Steel, Black Oxide) (50-Pack) (WCP-0253)	1



Revision Table

Revision Date	Revision #	Description
7/22/2021	1.0	First revision created.