

# JC AUTO DESIGN

Innovative Mobile Design

## JCAD Ascender Battery Plate Install Guide

### What's in the package?

- 1x Battery Plate (Black Delrin)
- 1x Rear Mount (Nylon)
- 1x LWB Front Mount (Nylon)
- 1x LWB Front Mount (Nylon)
- 1X LWB Front Mount Spacer (Nylon)
- 2x M3x10mm Flat Head Screws (Stainless Steel)
- 4x M3x8mm Flat Head Screws (Stainless Steel)



### Compatibility:

This kit is designed for the Vatterra Ascender. There have been a few variations released by Vatterra, and this kit is designed to fit ALL Ascender Wheelbase options.

The plate is designed to accommodate almost any R/C battery size. There are two battery orientations; along the chassis length (longitudinal) or sideways (transverse).

In longitudinal orientation the max battery size is:

L: 105mm (4 1/8") x W: 48mm (1 7/8") x H: 35mm (1 1/2")

In transverse orientation the max battery size is:

L: 140mm+ (5.5"+) x W: 60mm (2 3/8") x H: 50mm+ (2"+)

### Required Tools:

2.0mm Hex Driver

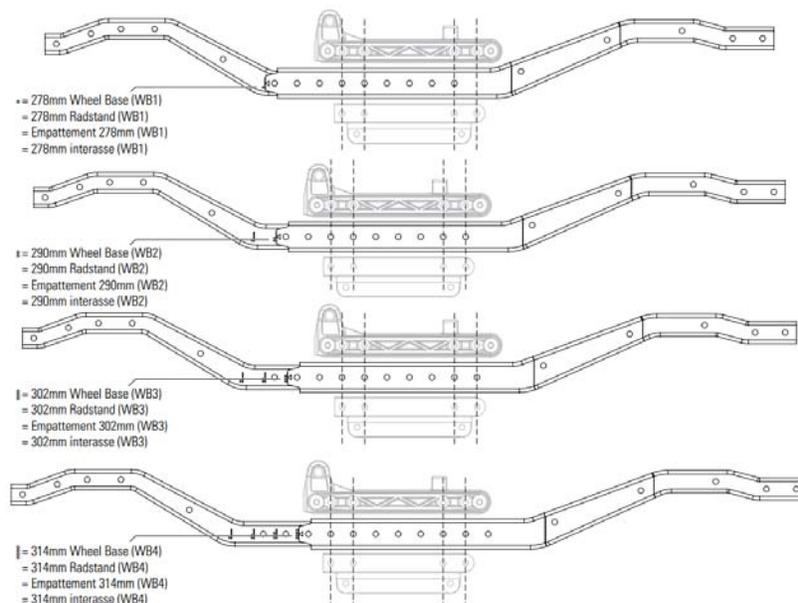
### Installation:

Determine your wheelbase from the attached excerpt from the Ascender user manual.

For wheelbase options WB1 and WB2, follow instruction set A.

For wheelbase options WB3 and WB4, follow instruction set B.

For those using a servo winch with WB3 and WB4, omit the spacer in step B-4a.



Procedure A – Short Wheelbase (WB1 and WB2)

1. Remove the stock battery box. Keep the bushings and screws from the chassis side of the battery box mount. These screws will be re-used in step 3 below. Keep the Velcro strap to mount the battery to the new plate.
2. Using the 8mm flat head screws mount the Rear Mount and the SWB Front Mount as shown.



3. Mount the Rear Mount to the stock battery box mount using the screws and bushings from step 1.



4. Mount the SWB Front Mount to the stock shock towers using the 10mm flat head screws.



5. Refer to the battery orientation pictures on the last page for location of Velcro Strap(s).

Procedure B – Long Wheelbase (WB3 and WB4)

1. Remove the stock battery box. Keep the bushings and screws from the chassis side of the battery box mount. These screws will be re-used in step 3 below. Keep the Velcro strap to mount the battery to the new plate.
2. Using the 8mm flat head screws mount the Rear Mount and the LWB Front Mount as shown.



3. Mount the Rear Mount to the stock battery box mount using the screws and bushings from step 1.



4. Mount the Front Mount to the stock rear servo mount using the 10mm flat head screws.
  - a. Insert the LWB Front Mount Spacer as shown before installing screws.  
(If you are planning on installing a winch servo, omit the spacer and install the screws through the servo and the LWB Front Mount.)



5. Refer to the battery orientation pictures on the next page for location of Velcro Strap(s).



**Battery Orientation Reference:**

There are two battery orientations; along the chassis length (longitudinal) or sideways (transverse).

Refer to these pictures for more clarification and/or for suggested location of Velcro straps.

**Longitudinal:** Max battery size (L x W x H): 105mm (4 1/8") x 48mm (1 7/8") x 35mm (1 1/2")



**Transverse:** Max battery size (L x W x H): 140mm+ (5.5"+) x 60mm (2 3/8") x 50mm+ (2"+)



*Tech Tip: place a couple pieces of Velcro between the battery and the plate to prevent the battery from moving around.*