

# Quick Guide

Swapping Commander Hardware from machine to machine

Items that will need to move from the machine:

- Commander
- NEMA Enclosure (Black Junction Box)
- MC Pro 500 (GPS Receiver)
- GPS Machine Antenna



**\*\*Be sure Computer is shut down prior to disconnecting\*\***

The 3 connections on the Commander computer are of different sizes  
Starting from left to right as you are looking at the front of the Commander

1. Largest connector – far left  Ethernet (Not Used typically)
2. Middle size connector – middle  (USB Communication)
3. Smallest connector – far right  (Power Connection)

The NEMA enclosure connections are as follows

- **RED = DC 24V IN (Power Input)**
- **YELLOW = 13.8V OUT (Power Output to GPS)**
- **GREEN = R. Sensor (Reverse Sensor Cable)**
- **ORANGE = CAN (2 Axis Slope Sensor)**
- **WHITE = DC 16V OUT (Commander Cable)**
- **WHITE = USB (Commander Cable)**
- **BLUE = GPS 1 (GPS Communication)**
- **GRAY = GPS 2 (Not Used)**

Carlson MC Pro 500 GPS receiver connection

- **BLUE = GPS coax cable**
- **WHITE = UHF Radio coax cable (If Applicable)**
- **YELLOW = Power Input for GPS  $\pm$  - (push on connector)**
- **BLUE = GPS communication cable (push on connector)**



Once equipment is re-installed into new machine you will need to configure the vehicle and load the back up file for that machine. These files are normally named with the equipment number in addition to Make and Model.

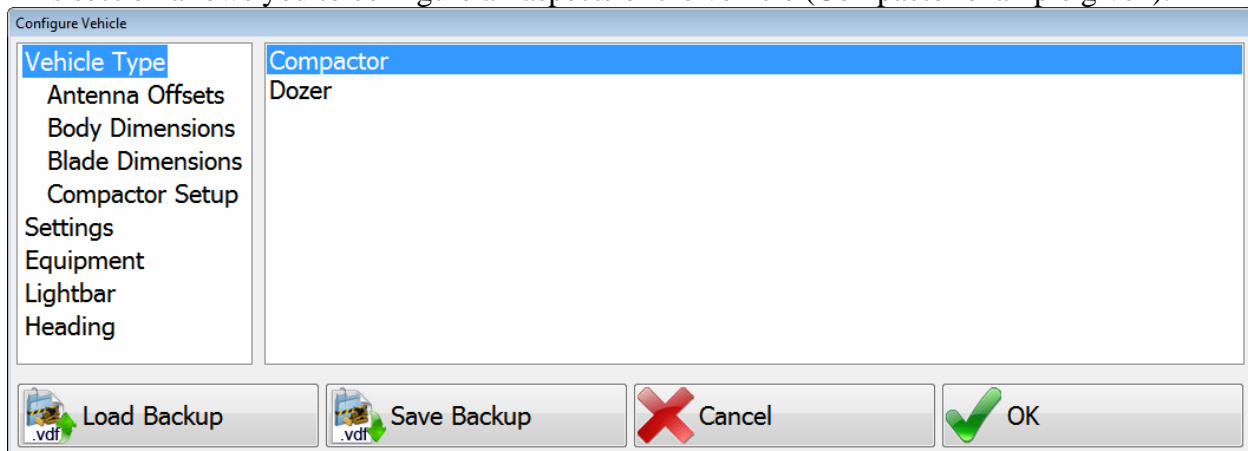
To locate menu where this is performed, follow these steps:

1. Press the Tools Button at the bottom left of the Main Carlson Grade Screen
2. Press Advanced Tools
3. Press Configure Vehicle



## Configure Vehicle

This section allows you to configure all aspects of the vehicle (Compactor example given).



### Vehicle Type:

4. Select the vehicle type from your available list of machines that you wish to setup.
5. Press Load Backup at bottom left.
6. Pick correct vehicle file from List and press OK.

This will set all predefined parameters and measurements for this machine.