

Falcon 3100 Trailer Hitching and Unhitching

Steps for connection of the Tongue Assembly to the Trailer & Hitching the Tongue Assembly to the Tow Vehicle

Step 1: If the Tongue Assembly has been removed, ensure Safety Pin is inserted with Cotter Pin, 7-Pin is plugged in along with Heavy-Duty Wheel Jack down.



Step 2: Using the Crank Handle on the Heavy- Duty Wheel Jack latch the 2" Ball Coupler to the 2" Ball Hitch (insert D-Pin once secured to the hitch). Connect safety chains and 7-Pin Adapter.



Falcon 3100 Trailer Hitching and Unhitching Steps Continued

Step 3: Once the trailer is hitched, swivel up the Heavy-Duty Wheel Jack to the stowed position and use the clip feature on the Crank Handle to lock the Crank Handle in place.



Steps for unhitching and disconnecting the Tongue Assembly from the Tow Vehicle

Step 1: When at the deployment site, if you have solar panels direct panels into direct sunlight, typically facing them South.

Ensure level ground, and no overhead objects that could interfere with the Mast.

Chalk the Wheels, using the provided Wheel Chalk that's sometimes stowed in the Generator Enclosure.

Step 2: Disconnect the Safety Chains, 7-Pin Adapter, Trailer Hitch Pin, then operate the Crank Handle on the Heavy-Duty Wheel Jack to raise off the 2" Ball then Move the tow vehicle.



Falcon 3100 Trailer Leveling Steps

Step 1: Leveling out the trailer using Crank Handle on the Heavy-Duty Wheel Jack.



Step 2: Deploy all (4) four Outriggers (two front and rear of the trailer). The Outriggers are intended to support the trailer, not intended to lift the wheels off the ground. Once all (4) four Outriggers are deployed and the trailer is level, remove the Crank Handles and store them in tow vehicle.



Removing the Tongue Assembly

Step 1: Disconnect functions and remove the Tongue Assembly (reinsert the Large Red Pin and Cotter Pin into the Removed Tongue holes). Stow in tow vehicle.



Tip: you may need to operate the Crank Handle on the Heavy-Duty Jack to remove the Tongue Assembly

Honda Generator Enclosure

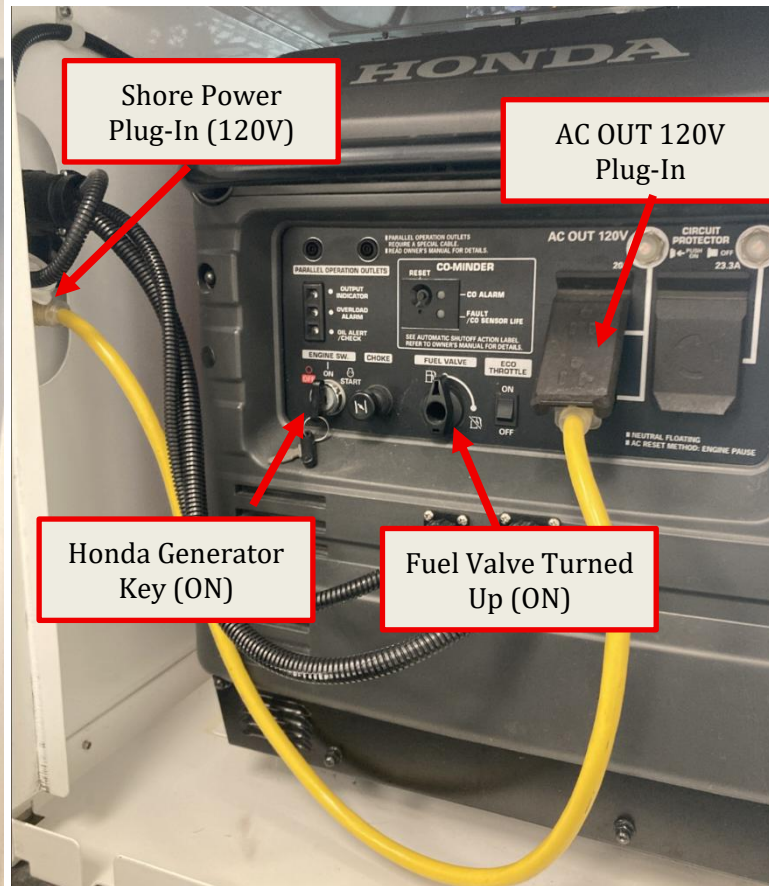
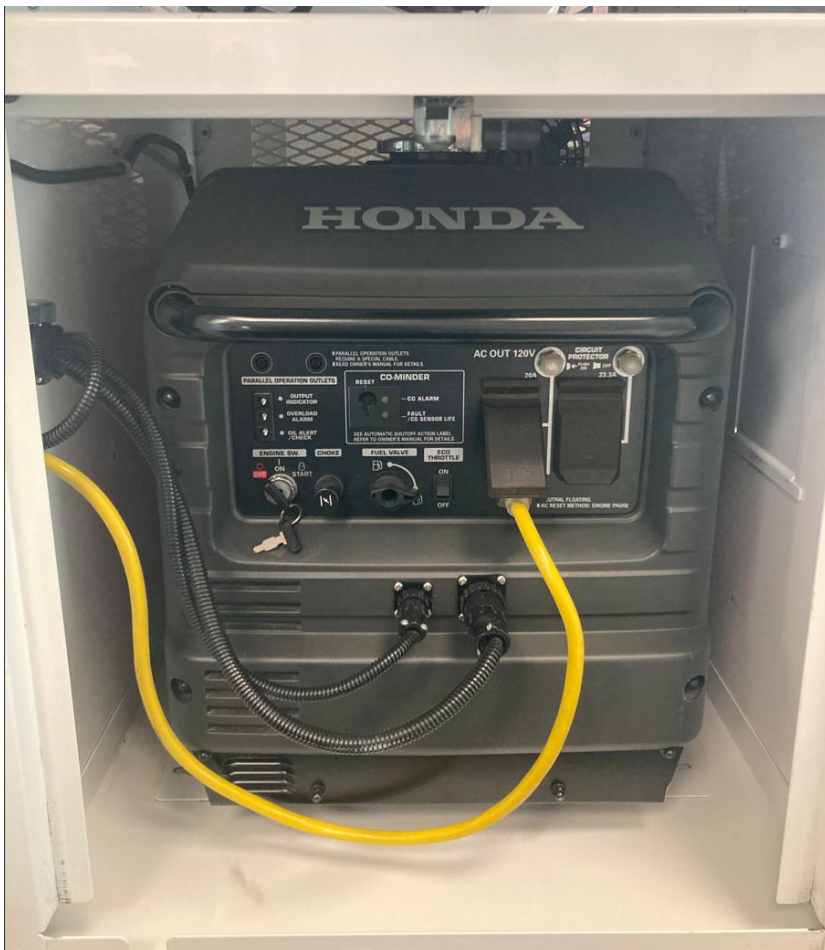
Generator Key is in the OFF position when we ship

Turn key in the ON position (not START position)

ON position allows the Firmware to Auto Start/Stop the Generator when needed

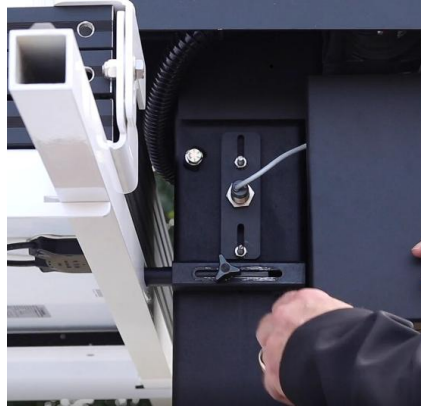
Ensure Yellow Extension Cord is plugged into the AC Out 120V on the Generator and the Shore Power plug-in, so the Generator charges the batteries (when not plugged into shore power)

IMPORTANT: when storing the trailer indoors, always turn Generator Key OFF



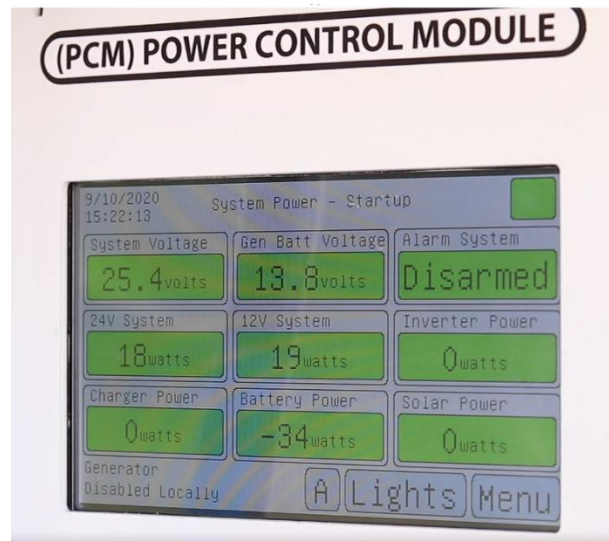
Powering on the Trailer

Step 1: Unlatch Solar Support Pin and use the Solar Control Cables to reposition the Solar Assembly to access the PCM.



Step 2: Power on the Power Control Module (PCM) – Hold Up on the System Power Toggle Switch for 1-2 seconds. The touch screen display will power on. Once turned on for 10-15min the square in the top right corner will turn from Red to Green. That confirms the trailer's modem (Cradlepoint) and our MiniRem device has power and is also communicating to our MPStatus Dashboard.

Step 3: Switch the Toggle Switch on the Generator Control from Off (down) to Auto (Center - shown in the picture below).



IMPORTANT:

Holding the Generator Control Toggle Switch Up will manually start the diesel generator. The Breaker Switches in the center of the PCM (2 Red, 4 White) are only to be switched off/down if you are doing maintenance or trouble shooting or putting the trailer in storage and have no way to plug in the trailer. Otherwise, always keep them on.

Camera Installation on the T-Bar

Step 1: Grab Cameras and Camera Cables from the tow vehicle

Step 2: Identify camera mounting location. Each camera has specific labels on the Camera Mount along with the corresponding T-Bar Mounting Position. (CAM 1 & CAM 2)



Step 3: On the T-Bar Mounting Location Turn the camera clockwise onto the Threaded Mounting Stud until it bottoms out, then turn counterclockwise so the Bulkhead on the Camera Mount and the Bulkhead on the Top Mast Box are facing. Then securely tighten the locknut counterclockwise against the Camera Mount.



Camera Installation on the T-Bar Continued

Step 4: Connect the labeled Ethernet Cables to their corresponding Bulkhead Connectors on the Top Mast Box and Camera Mount. Use retention pig tails on the T-Bar for cable management.



Step 5: Secure the Ethernet Cables with the Retention Pig Tails mounted on the T-Bar. This is a critical step, so Ethernet Cables do not get snagged.
(see picture above)



*****REPEAT STEPS 1-5 FOR THE ADDITIONAL CAM 2 & REVERSE THESE STEPS TO REMOVE CAMERAS FROM THE T-BAR AND SECURE IN CAMERA STORAGE AREA*****

Raising the Mast

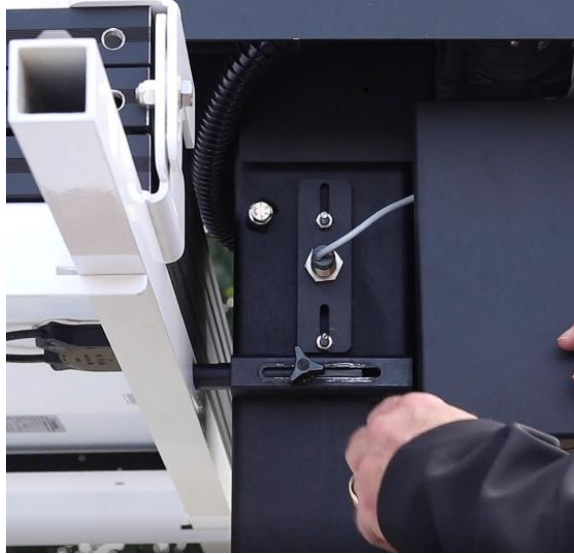
- Step 1:** Before raising the Mast ensure you have live video footage on your VMS by logging into the laptop
- Step 2:** Operate the Extend Toggle Switch Up to raise the Mast
- Step 3:** Watch carefully for any binding or catching of the Mast Coil. The Mast will stop automatically
- Step 4:** Again, ensure you have live video footage on your VMS by logging into the laptop



Deploying Solar Panels

Step 1: Direct panels into direct sunlight. Typically facing them South.

Step 2: Unlatch the Solar Support Pin



Step 3: Release Solar Safety Latch



Deploying Solar Panels Continued

Step 4: Loosen top thumb screw and lift top panel over, and slide support tube into the receiving tube then tighten the thumb screw and repeat process for the next panel. Then tilt to preferred angle.



Falcon 3100 trailer has now been safely deployed!

Final Step: Lock the doors.



Lowering the Mast & Takedown Steps

Step 1: Fold the Solar Assembly back into the travel position. Fold left panel before the right panel, then latch.

Step 2: Use the Solar Control Cables to reposition the Solar Assembly to access the PCM.

Step 3: Operate the Mast Extend Switch down to lower the Mast. Then remove cameras and camera cables then store in tow vehicle.

Step 4: Turn off PCM and Generator Control Switch in the Off position.

Step 5: Insert and connect the Tongue Assembly to the trailer if it is removed. *****Lower Heavy-Duty Front Wheel Jack on the ground*****

Step 6: Attach Outrigger Crank Handles to swivel up the (4) Outriggers. Put the Wheel Chalk in the tow vehicle

Step 7: Use the Solar Control Cables to reposition the Solar Assembly into travel position and insert the Solar Support Pin.

Step 8: Hitch the trailer to the tow vehicle

Step 9: Ensure all bulkhead caps on the Top Mast are screwed on after removing the camera cables, mast is extended all the way down, outriggers are swiveled up, and wheel chalk is stowed.

Step 10: Lock the doors.

