

# AQSync Installation:

## For AQSync / Wanco Trailer



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## **PRINTING HISTORY**

This manual covers the installation of the AQSync on the 2B Technologies AQSync / Wanco Solar Trailer. New editions of this manual are complete revisions that reflect updates to the instrument itself, as well as clarifications, additions and other modifications of the text.

Revision A-1 *(new manual)*.....May 2024

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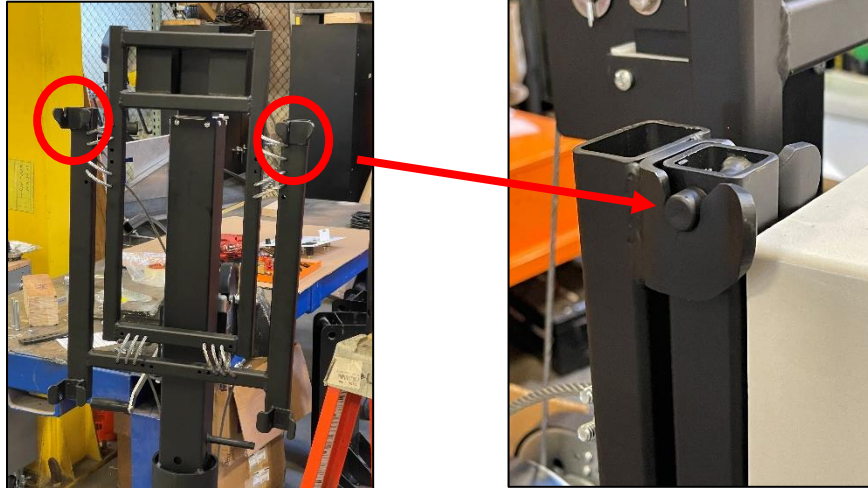
## Step 1: Install the brace on the AQSyc.

- a) Locate the brace that is part of the Wanco Trailer shipment and on the packing list from 2B Tech.
- b) Place the AQSyc on a flat surface. Avoid setting it on the ground. Place a 1-2 inch spacer between the back of the AQSyc and the flat surface. This helps when trying to line up the mounting holes. A piece of Unistrut is shown as the spacer in the picture to the right.
- c) Place the brace so that the horizontal bar is towards the base of the unit. Also shown in the picture to the bottom right.
- d) Use a #2 panhead screwdriver (magnetic is preferable) to start threading the #10-32 x 3/8" screw and split locking washer through the brace and into the enclosure's captive nuts. Do not tighten the screw until all the fasteners have been started.
- e) Once all six fasteners have been started, tighten them down. The brace is now mounted.



## Step 2: Mount the AQSsync on the trailer.

- a) The AQSsync is now ready to mount to the trailer. With at least two people, lift the AQSsync and hook the AQSsync onto the trailer.



- b) After the AQSsync is in place, take the lock provided by Wanco, slide the metal rod through and attach the lock to the other side to secure the AQSsync in place.



- c) Do the same on the other side with the clevis pin. Insert it and secure it with the clip.



- d) After everything is locked and secured, extend the weather station pipe using a 3/16 Allen key to loosen the two set screws. Move the pipe up making sure the arrow on the weather station is pointing north.

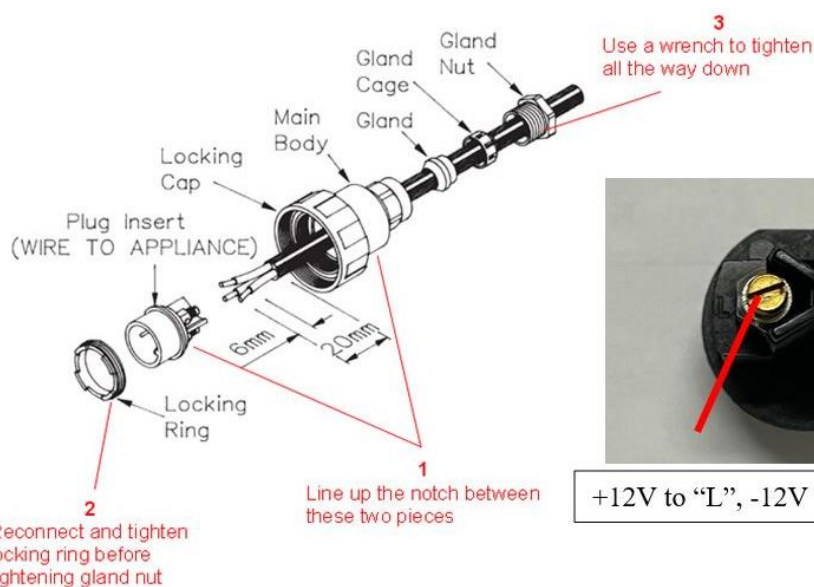


- e) To connect the AQSync to the trailer you will have to wire the connector to the wires that come on the trailer. The diagram below shows how to add the connector and where to attach the wires. Strip the wire and insert the black wire to the “N” slot and the red wire to the “L”. Tighten down the screw to secure the wire and assemble the rest of the connector.



(Assembled connector)

- f) Remove all the foam from inside and plug in the AQSync.



+12V to “L”, -12V “N” on connector