

12401 Senior Design

Turbine Stand Assembly Instructions

Tools Needed:

1. Turbine Clamp Allen Wrench

Personnel Needed:

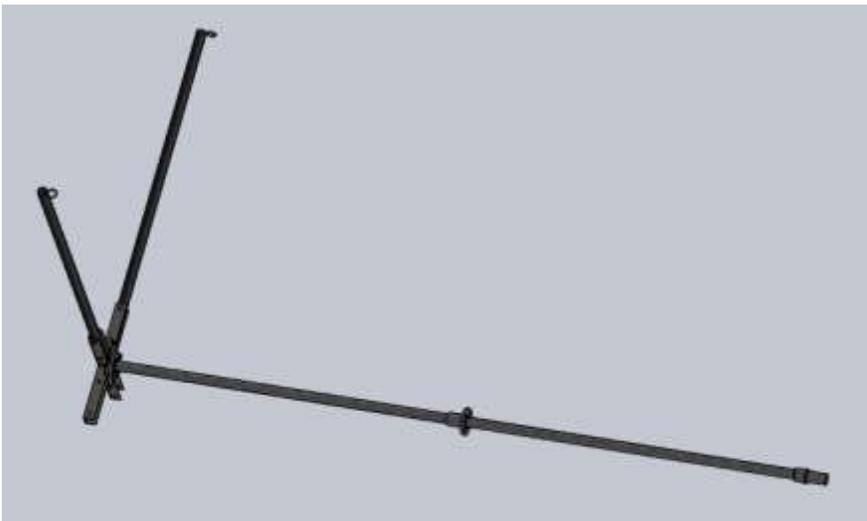
1. Two (2) People

Stand Bill of Materials

1. One (1) Base Assembly
2. One (1) Lower Upright Pole with Base Flange and Coupler
3. One (1) Upper Upright Pole with Guy Wire Flange and Turbine Attachment Adapter
4. Four (4) Base Leg Assemblies
5. Eight (8) Base Leg Pins
6. Four (4) Guy Wires with Clamps
7. One (1) Turbine Assembly

Stand Assembly Steps:

1. Begin by threading the upper and lower upright poles together, including the turbine attachment adapter.
2. The base flange should be permanently bolted to the base assembly. Thread the upright assembly into the base assembly.
3. Insert four (4) of the leg poles into the base plate and install the inner safety pins.
4. Hook the guy wires from two (2) adjacent legs to the guy wire flange, then fold the legs into place and install outer safety pin.
5. Gently lay the entire current assembly on its side so that the two legs with only one (1) safety pin each are folded up parallel with the upright and the ground.
6. Tighten the turbine onto the upper upright pole. Run the turbine wire down through the pole and out through the access hole in the base assembly. (The upper upright pole can be set on the enclosure box to prevent the turbine from touching the ground during this step)
- 7.



8. Carefully tip the stand assembly upright again.

9. Clip the two (2) remaining guy wires from the legs to the upright pole.
10. Fold down the two (2) remaining leg poles and insert the outer pins.



11. The turbine wire should be positioned to run to the battery box.
12. Place weights on each outer corner of each of four (4) base legs.