

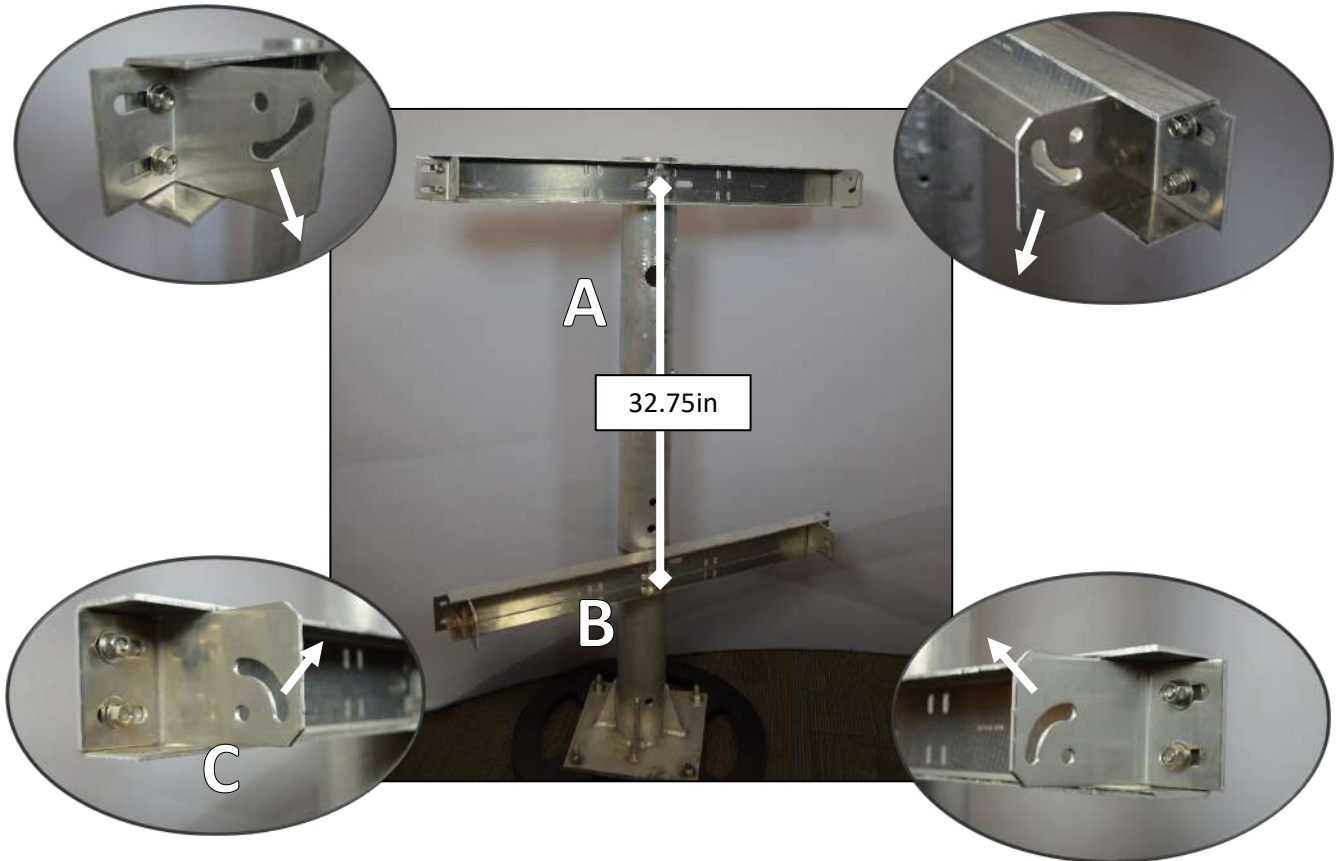
Item	Description	Quantity
1	Large Bucket	2
2	Clips	4
3	PV Rails	2
4	Support Rails (combine to create 2 rails)	4
5	Banding (for up to 4.5" OD)	4
6	Hardware: <ul style="list-style-type: none"> • Buck and Clip Hardware <ul style="list-style-type: none"> • 5/16-18 3/4" Bolts, Washers, Lock Washers, Nuts • Support Rail Hardware <ul style="list-style-type: none"> • 5/16-18 3/4" Bolts, Washers, Lock Washers, Nuts • Panel Hardware <ul style="list-style-type: none"> • 1/4-20 3/4" Bolts, Washers, Lock Washers, Nuts • Spare Hardware <ul style="list-style-type: none"> • 5/16-18 3/4" Bolts, Washers, Lock Washers, Nuts 	16 Sets 6 Sets 4 sets 2 set

Tools:

- 5/16 and 1/2 inch socket and wrench
- Torque Wrench
- Banding Tools
- Tape Measure
- Compass

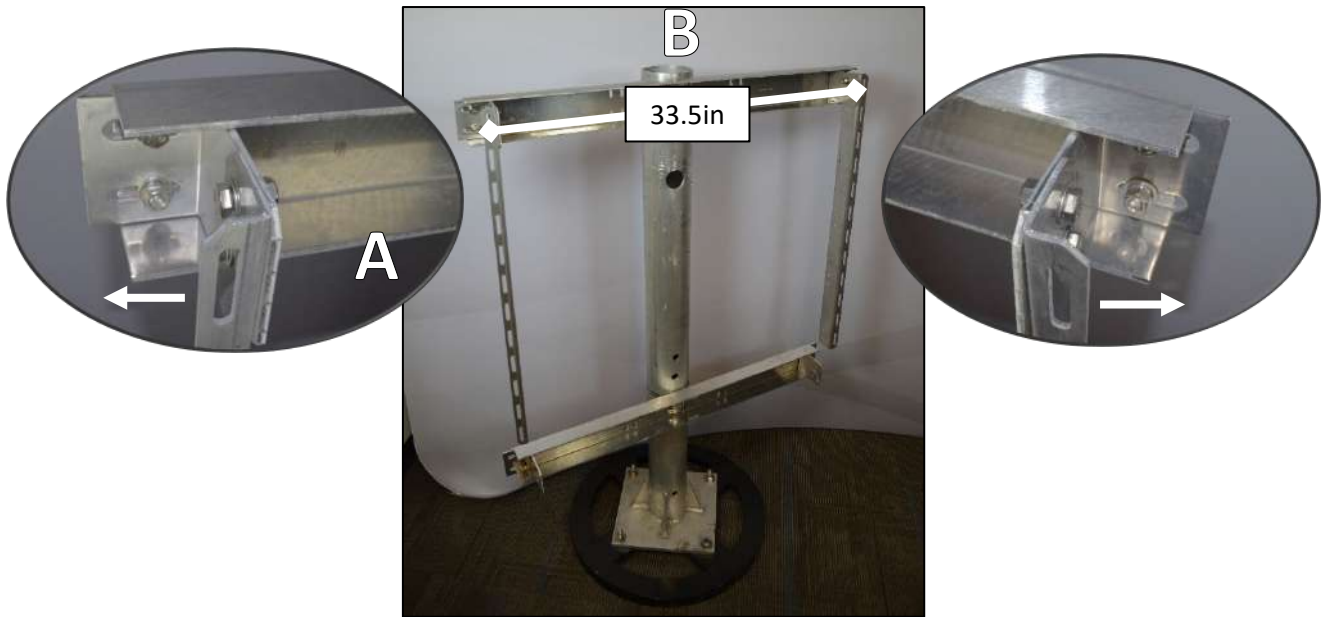
Notes:

- This mount is designed to be installed on a variety of pole sizes achieving 30 or 45 degree panel tilt.
- The provided banding will work on 2" to 4.5" poles. For Poles with diameter greater then 4.5" you will need to source your own 1/2" banding materials.



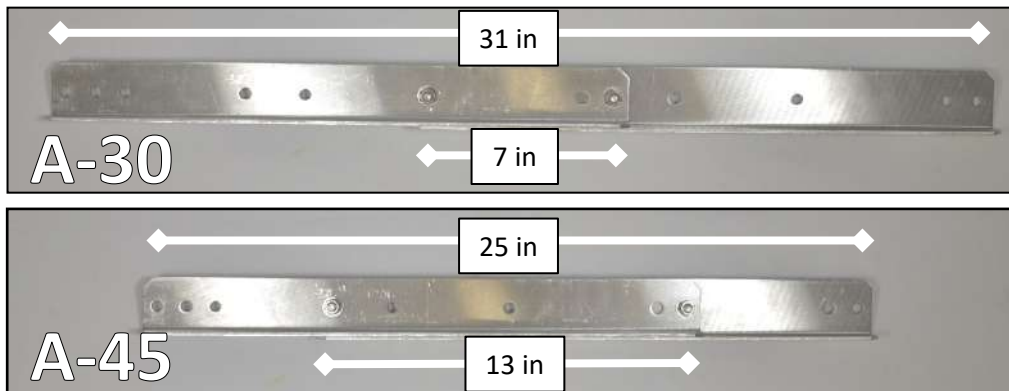
Step 1

- A. Using banding, install top support bucket at the desired height on the pole facing it directly south towards the equator. Use a compass to verify.
- B. From the center of the top bucket, install the center of the bottom bucket 32.75 inches below, facing the same direction.
- C. Install all clips in the proper orientation; all clips face in, top clips have the arc facing down, bottom clips have the arc facing up. Using 5/16-18 hardware, hand tighten all nuts and bolts for adjustment later.



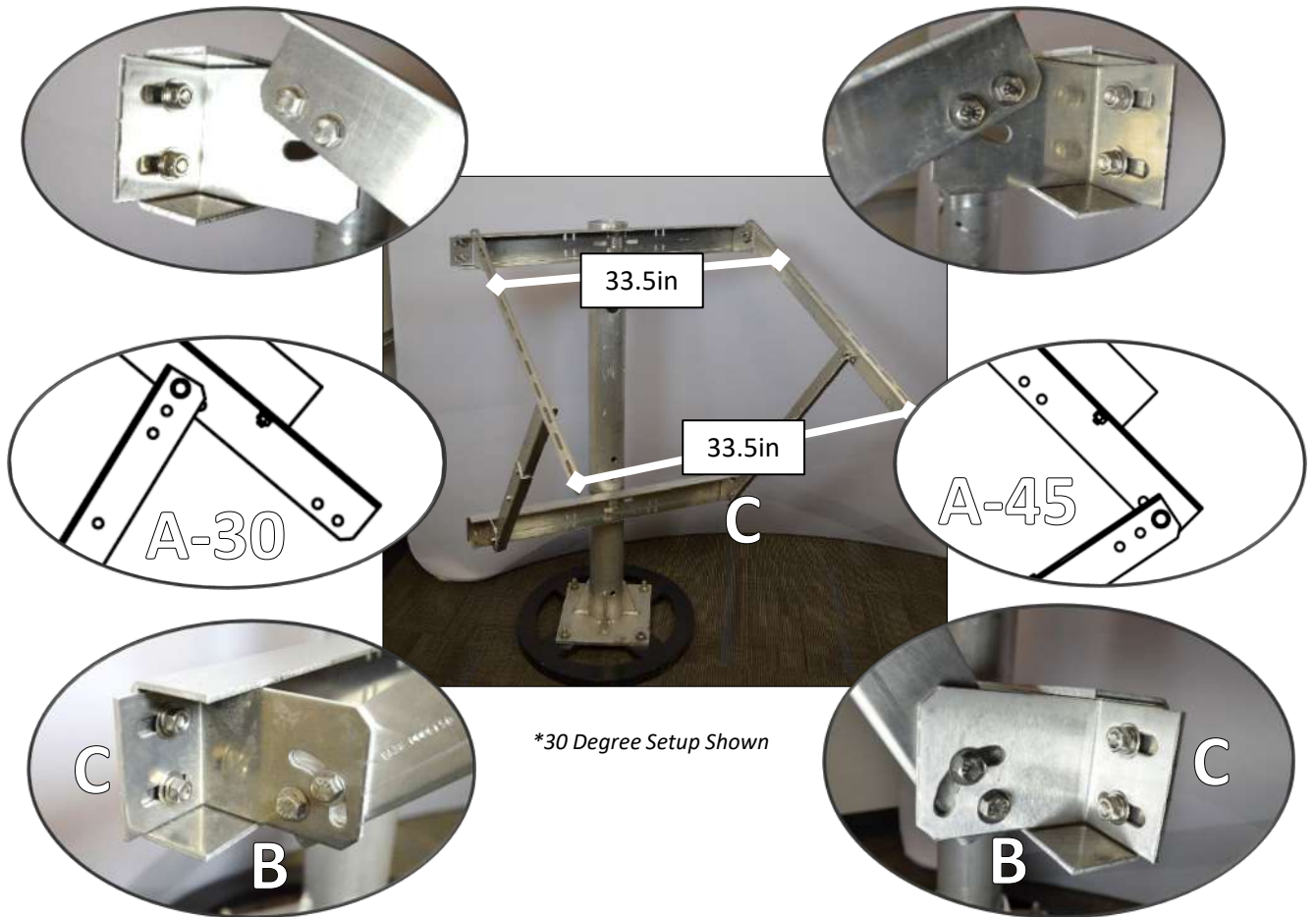
Step 2

- A. Install PV support rails, channels facing out, on the outside of the top clips using 5/16 hardware and hand tighten.
- B. Adjust top clips evenly so that the center of the PV rail mounting slots are 33.5in apart at the top of the PV rail.



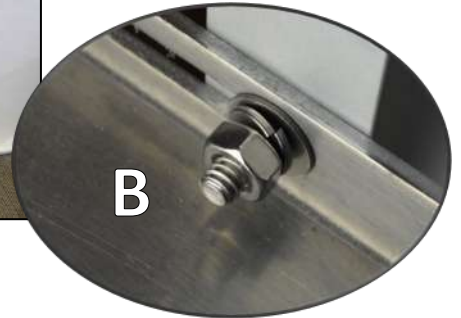
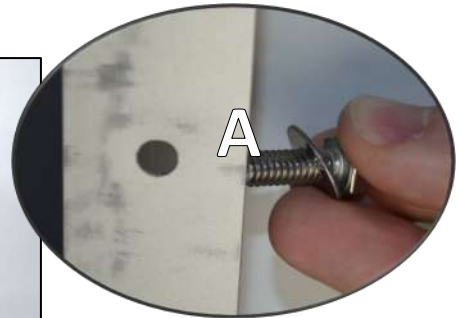
Step 3

- A. Combine two smaller support rails to make one large rail. Rails should nest into each other so the holes line up using 5/16 hardware. Tighten all hardware to 144 in-lbs.
 - A-30) For 30 degrees tilt, rails should overlap 7 inches in the middle with the total length being 31 inches.
 - A-45) For 45 degrees tilt, rails should overlap 13 inches in the middle with the total length being 25 inches.



Step 4

- A. Attach support rail on the inside of the PV rail depending on your tilt
 - A-30) For 30 degrees tilt, use the 4th hole up from the bottom of the PV rail with a 31in support rail, secure with 5/16 hardware and hand tighten.
 - A-45) For 45 degrees tilt, use the 1st hole up from the bottom of the PV rail with a 25in support rail, secure with 5/16 hardware and hand tighten.
- B. Attach support rail to the bottom clips using 5/16 hardware and hand tighten.
- C. Adjust bottom clips evenly so that the center of the PV rail mounting slots are 33.5in apart at the bottom of the PV rail.



**30 Degree Setup Shown*

Step 5

- A. Insert washer and 1/4-20 3/4in bolt into the non rivnut hole in the back of the solar panel frame.
- B. Mount PV panel onto the bottom section of the rail. Secure with remaining hardware and tighten to 84 in-lbs.
- C. Secure loose PV harnessing with ties.
- D. Tighten all loose hardware to 144 in-lbs. Double check previously tightened hardware.

Warranty

This product is covered by the Sol warranty. Visit www.solarlighting.com for additional information or contact the customer service department.

Before contacting Sol's customer service department, please have the serial number of your system available, a brief description of the problem, as well as all details of the installation.

To contact Sol's customer service department:

Mail: Sol by Sunna Design
990 Biscayne Boulevard, Office 701,
Miami, FL 33132, USA

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1.800.959.1329 (Toll Free in U.S. and Canada)

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