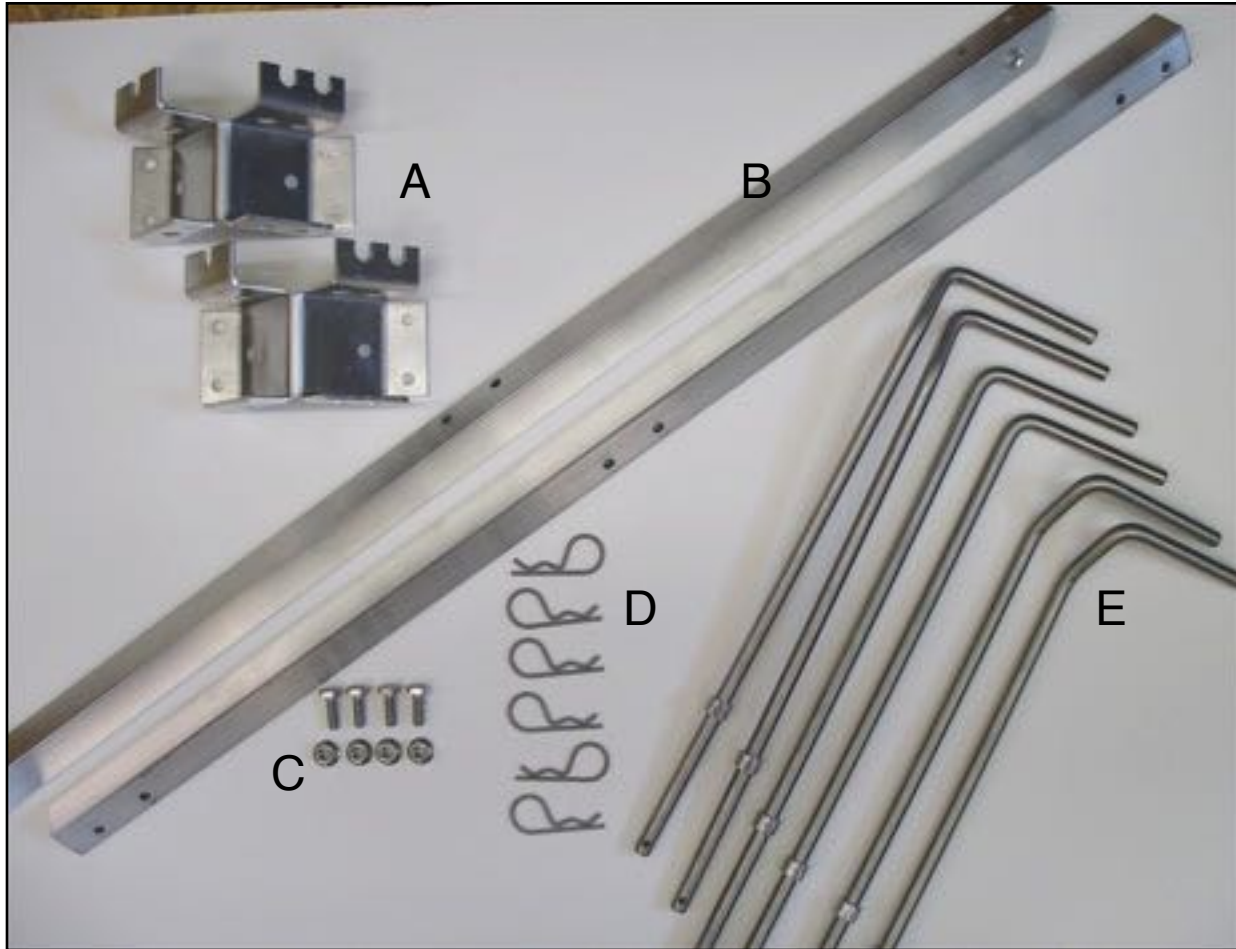


I2 up I8 Upgrade



Shown above is the 12 up 18 Upgrade Horizontal Stainless Arms.

12 Up 18

Part	Quantity	Description
A	1 pair	Hub bracket pair
B	2	Aluminum Angle Pieces
C	4	1/4 - 20 x 3/4" stainless bolts with nuts
D	6	Stainless Steel Hitch pins
E	6	Stainless OR Aluminum Gourd Arms

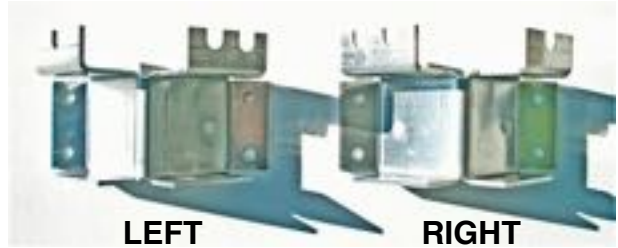
Troyer's Birds' Paradise
20785 Morris Rd
Conneautville, PA 16406
814-587-2756

I2 up I8 Upgrade

Tools Needed:

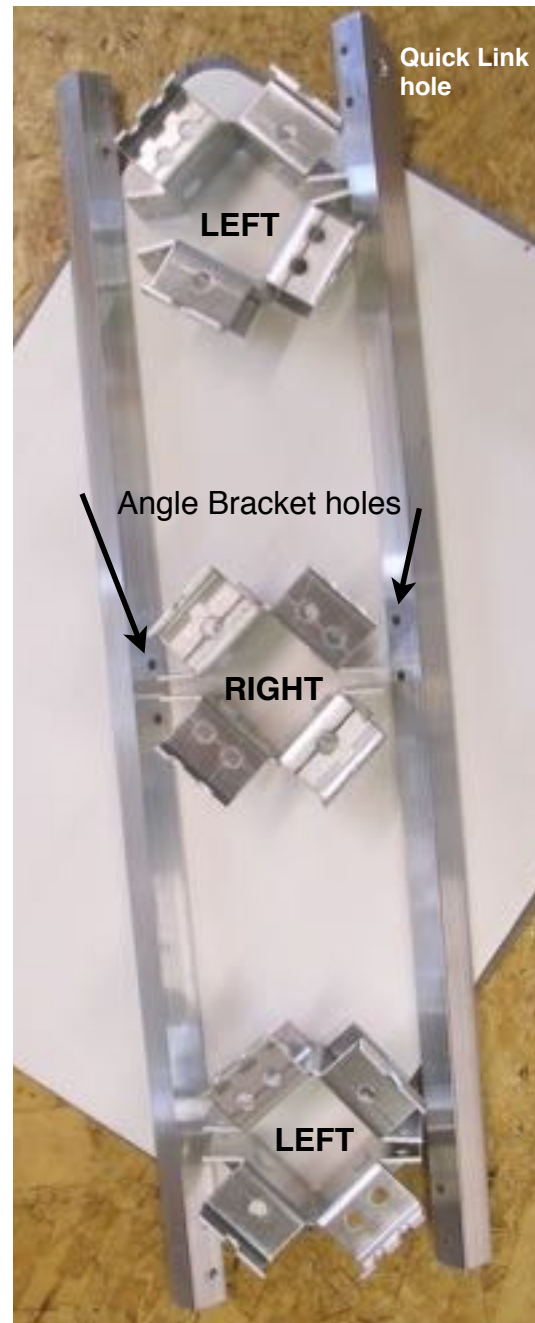
7/16" Socket Wrench (2 will be best)

the right side) and right (see photo). When re-assembling the hub you will want to align the



Step 1) You will need to get your hub off the existing pole. Be sure to make note of how you took off the hub and in what order as you will re-assemble the entire unit.

Step 2) Unhook the quick link from the rope's pulley assembly. You will begin by disassembling the hub. Begin by removing the hub bracket pairs **don't mix up the pair pieces** and place the brackets on your work surface in the order to which you removed them. When the gourd arm brackets have been removed from the angle pieces, set the angle pieces aside as you will not be re-using them.



Step 3) You must pair up your brackets correctly. Notice that there are 2 styles of brackets. Left (The left brackets have the set of 1 holes on the left side of the piece and right have the 1 hole on

I2 up I8 Upgrade

bracket pairs so that they tier left, right, left, or depending which bracket piece was sent to you you may line up opposite. Easy isn't it

Step 4) Get your new angle pieces (B). Find the one with a hole in it for the quick link. This is the top of the hub. You will want to align the angle pieces so that the quick link hole is on the upper right with the bracket holes facing inward.

Step 5) Align the bracket mounting holes to the holes on the aluminum angle sides. Insert a bolt



(C) and thread the whiz nut on. Do this for all 4 bolts on each of the hub pieces. **DO NOT TIGHTEN.** Notice bracket piece should have the u shaped slots at the top.

Step 6) When all bracket pieces have been assembled on to the angle, tighten the **bolts**. Be sure you put some effort into this. You want your bolts nice and secure.

Step 7) You will need to replace the hub on to the pole.

Step 8) When your hub is back on the pole, place your quick link back on and re-attach the rope and pulley. You will need to be sure the rope is not twisted as this will hamper the raising of the hub. If your rope is twisted, undo from the quick link and twist the rope and pulley around in the oppo-

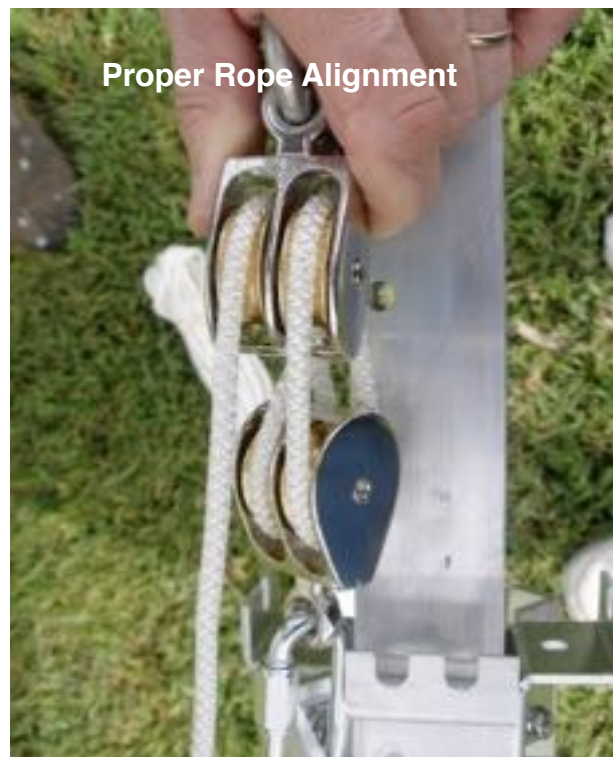
site direction and place the pulley back on the quick link.



Quick link side
Left Hub set

Right Hub set

Left Hub set



Proper Rope Alignment