

Mounting Housing Box to Alumawood Beam

Note that this method will also work with other hollow aluminum beam shade structures besides Alumawood.

This method is the same for crank operated or motorized shade housing boxes and needs one extra bolt (no extra washers or nuts).



Photos courtesy of Perry Yastrov

Use steel electrical conduit (7/8" outside diameter in this example), cut to fill the gap in the hollow beam. Drill a 7/8" hole on the outside (housing box mounting) side of the beam. Then use a 3/8" stainless-steel bolt to bolt through the beam (drilling 3/8" hole on the other side of the beam). The bolts in these photos are temporarily from the back, to hold the conduit in place. Sequence: drill holes, insert bolt from back, insert conduit section from front (around bolt).



Conduit sections in place:

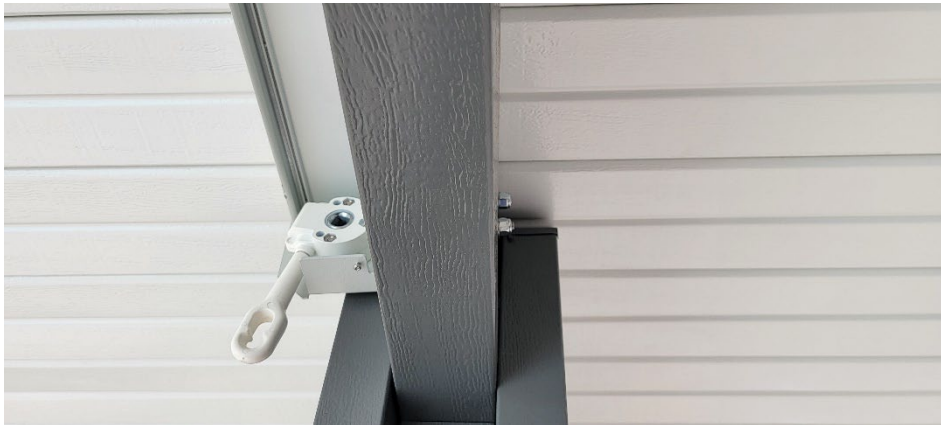


Mounting housing box (with bolt heads inside housing box):

Sequence: Hang housing box on temporary bolts, insert permanent bolt (w/washer) from front which will push the temporary bolt out the back, install washer and nut on the back.



Nylon lock nuts with washers on the back:



Cross-sectional view from above:

