

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 extra bolts or pieces of thick wire (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). A piece of thick wire can also be used in place of these temporary bolts, to hold the conduit in place.



Conduit sections in place:

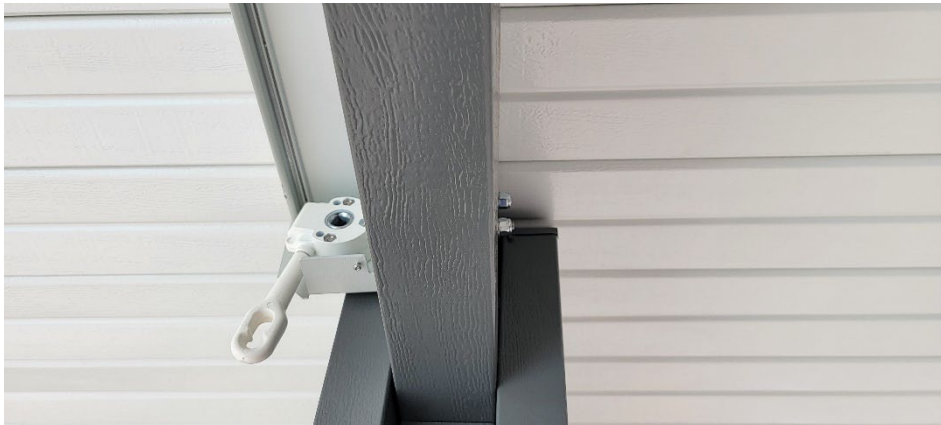


Mounting housing box (with bolt heads inside housing box):

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:



You may be mounting to one of two parallel Alumawood beams with a narrow gap between them, like the green outlined location here:



In this case, the bolts or pieces of thick wire to hold the conduits in place would be short temporary bolts or short pieces of wire. Their purpose is to keep the conduit sections in place and to keep them from falling into the beam.

Cross-sectional view from above:

