



Manufacturing Attractive Bird Products

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Deluxe Gourd Rack Winch Upgrade

Thank you for purchasing this product from the Purple Martin Conservation Association. Your purchase helps support the education, conservation, and research projects of the PMCA. We hope this product will give you many seasons of use. We're glad to have you as a partner in martin conservation.

Step 1: Standing about 3 feet from the pole, lower the gourds as if you were doing a nest check.

Step 2: Remove the gourd rack arms from the hub by lifting up on the arm. Leave the gourds attached to the gourd rack arms. Set the gourd upright on the ground. Leaving the arms attached will help balance the gourd in the upright position. **If your gourds have nests, it is very important that you mark the location of each gourd. The gourd must be reattached in the same location.** If a gourd with a nest is relocated in a different position, the martin parents will not be able to find the young in the nest, causing them to be abandoned.

Step 3: Remove the aluminum pole by sliding it upward, off of the ground stake. An adult of average strength can typically do this alone, but to be safe, have another person assist in this procedure. Lay the pole on a 5 gallon pail or similar object.

Step 4: Remove the rope winder from the pole.

Step 5: Loosen the quick link and remove the double pulley. The quick link is located on the top of the hub. The hub needs to stay on the pole. See photo at right

Step 6: Remove the 6" eyebolt from the pole. See photo at right

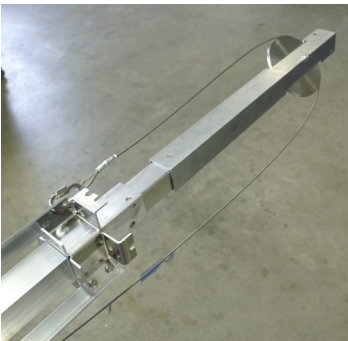
Step 7: Remove the top perch rods and 10-24 x 1/4" set screws. A 3/32" Allen wrench is included with the hardware. Remove the black cap from the end of the pole. See photo at right.

Step 8: If the Deluxe Gourd Rack has a DGR extension, it will need to be replaced with the one included in this purchase.



Step 9: Slide the extension, with the 6" pulley installed, into the top of your aluminum pole. See picture at left. This extension needs to be turned so that the loop, at the end of the cable, is at the same corner as the quick link. This extension is held into place by friction.

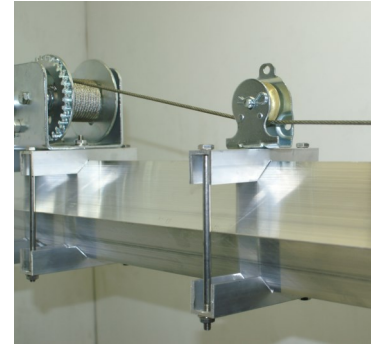
Step 10: Place the cable loop into the quick link and re-tighten the quick link.



Step 11: Attach the winch to the bottom end of the pole at your desired height using two aluminum u-channel and 1/4 x 4" bolts and flange nuts. The cable is to extend straight down at the corner of the pole and should not be twisted around the pole. The u-channel has a V notch and the corner of the pole will fit into the notch. When mounted the winch is on the corner of the pole.



Step 12: Attach the cable guide pulley approximately 10" above the winch using one aluminum u-channel and 1/4 x 4" bolts and flange nuts. The u-channel has a V notch and the corner of the pole will fit into the notch.



Step 13: Thread the winch handle onto the winch. Slide the spring onto the winch beside the handle. Secure the spring with the 3/4" wide nut.



Step 14: Slide both perch rods into the holes at the top of the extension. Center the rods and secure with two 10-24 x 1/4" set screws.

Step 15: Insert black plastic cap into the top of the extension. Without the cap, the top of the pole is open and exposed; it will fill with rainwater. If the water freezes in the pole, the pole will split.

Step 16: Wind the excess cable into the winch. The cable should be snug. It is important that the cable lay inside the groove located in the top pulley.

Step 17: Place the pole vertically over the base pole and slide it down to ground level.

Step 18: Reattach the gourd rack arms to the hub. Make sure they are in the same positions they were in when they were removed. Be sure to seat the gourd rack arms all the way down in the U-shaped slot. The gourd rack is now ready to be raised!

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