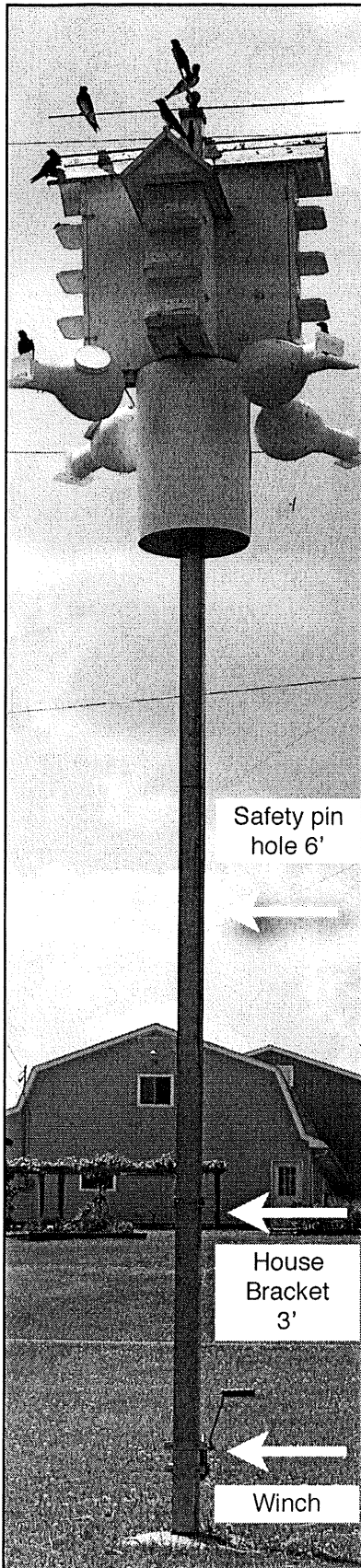


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Instructions for the Aluminum T-14 Purple Martin House Pole

Update 03/16



Step 1) Using a post hole digger, dig a hole with a minimum depth of 32" - 36" by 12" in diameter. Poor soil conditions may require a larger hole and more concrete.

Step 2) **Measure and mark your aluminum ground stake at 24". Your ground stake has a small aluminum square held in place by a bolt. This is for shipping purposes only.** Place the end with this small square into the hole. (Note: should you install the stake upside down, simply remove the bolt and small aluminum square, before installing your pole over the ground stake).

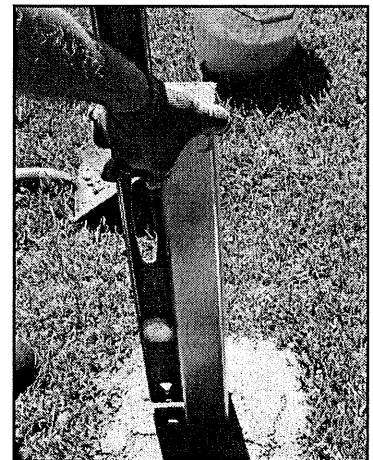
Step 3) You will need at least 4 bags of Ready to Use Concrete, 80 pounds each. Empty the contents of the Ready Mix into an old wheelbarrow and mix the concrete according to the directions on the bag.

Step 4) Place about 4 inches of gravel into the bottom of the hole. **Next fill your newly dig hole with wet concrete.**

Step 5) Holding your ground stake vertically over the cement, insert the aluminum ground stake into the wet concrete by firmly pushing downward, and then pull up a few inches, then push downward. You will slowly sink the ground stake into the wet cement. Stop when the line drawn on the ground stake meets the cement.



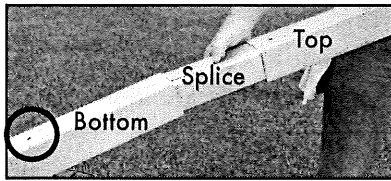
Step 6) Next fill the hollow tube of the ground stake with the left over cement. Wipe off any excess cement from the exterior of the ground stake. Check that your ground stake is plumb on 2 sides. Wait at least 24 hours before you complete the installation of your pole.



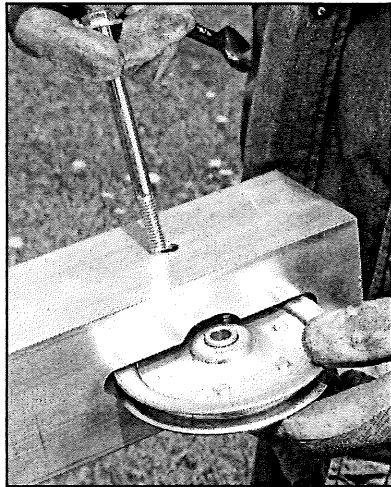
Step 7) Assemble the pole. There are 2 sections to the pole. The upper section has a slot and holes at one end and a splice section at the opposite end. The bottom section has 2 square cut ends, with a hole drilled into

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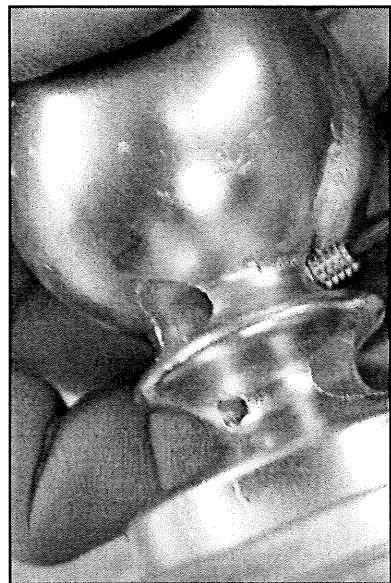
Splice is inserted into the lower section of pole, note the safety pin hole (circle)



the pole. This is the safety pin hole. Turn the bottom section so that the safety pin hole will be six feet from ground level. Insert the upper section into the lower section. Tip! Spray WD-40 on the splice, it will aid in insertion.

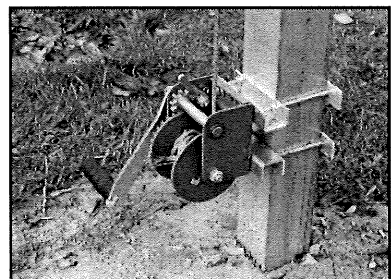
Step 8) Insert the pulley into the slot and hold it there while you take the bolt ($\frac{3}{8}$ " x $3\frac{1}{2}$ ") and insert the bolt with one washer into a hole on the side of the pole through the pulley and out the opposite side of the pole. Insert other washer, then place lock nut on and tighten using 2, $\frac{9}{16}$ " wrenches (one to hold bolt the other to tighten).

Step 9) Place you ball cap on to the top of your pole. There are 4 $\frac{3}{8}$ " set screws provided, use 2 of these in the drilled and tapped holes around the base of the ball top (2 holes) Measure your top perch rods, and mark center with a marker. Insert the rods into the drilled holes found in the ball top, stop at your center mark. Its easiest to install the upper rod first, then the lower rod. Use the other 2 set screws by threading them into the drilled and tapped holes found in the ball top. Be sure to tighten the set screws.



Step 10) Install the house bracket. Measure from the bottom of your pole up to 3 feet and mark the pole with a pencil. Spread the bracket apart, and slip it thru (and upwards) the bottom of the pole. Note, you may need to widen the bracket to slip over the pole, to do this , just loosen the nuts attached to the bolts. Once you reach your 3 foot mark tighten the bolts. To tighten the bolts, turn the bolt head instead of the nuts. Reason, these are self-gripping nuts. Make sure your house bracket is level.

Step 11) Fasten the winch to the pole. The mounting brackets have been assembled to the winch for you. Your winch brackets have back plates pre assembled. Remove one whiz nut and bolt from the upper bracket and one from the lower bracket, same side. Slip the bracket assembly so that the one set of bolts still attached to the black plate envelopes the pole. Have your helper hold the winch & brackets while you insert the upper bolt, thread the nut on then repeat for lower bracket.



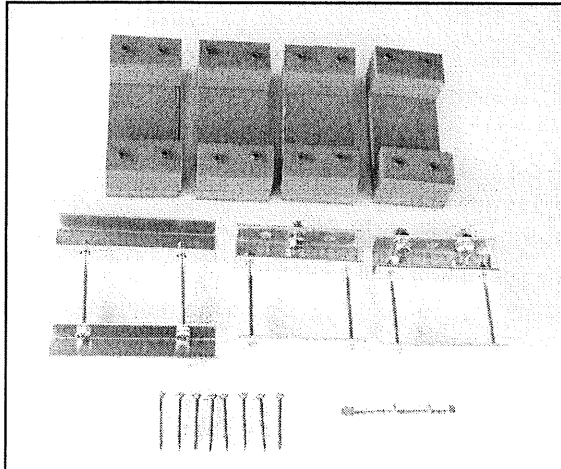
Step 12) Fasten the cable to the winch by inserting the nipple end into the slot on the winch, and feed it thru the top pulley. Assemble cable eye on one end of the cable (See T-14 booklet).

Step 13) With the aid of a helper, lift the pole up and place it over the ground stake. Tip! Spray the stake with WD-40, before sliding the pole over the stake. You are now ready to attach the T-14 to the slider blocks to the house, see page 3.

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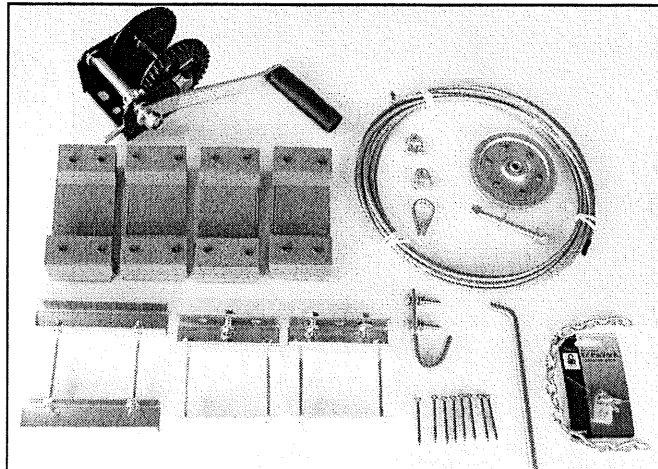
Instructions for the Aluminum T-14 Purple Martin House Pole

There are two different styles of mounting kits we offer.
Mounting Kits are sold separately.



T-14 Conversion Kit

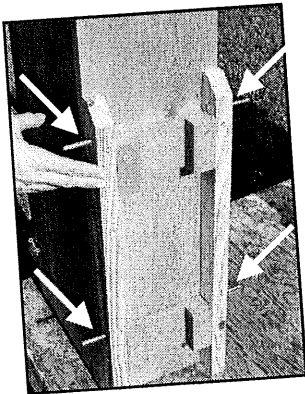
Used to convert your T-14 house from a wooden pole to an aluminum pole.



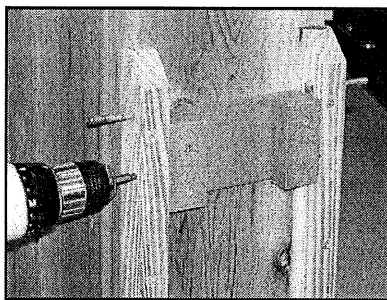
Mounting Kit for Aluminum T-14 Pole

Parts shown to mount T-14 house to an aluminum pole, choose either standard winch (shown) or brake winch.

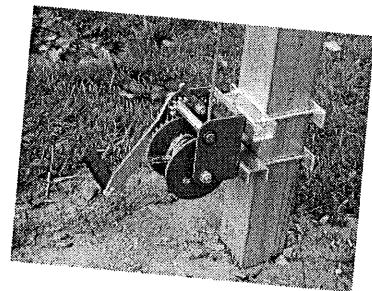
Before you can mount your T-14 house to the aluminum pole you need to attach the slider blocks onto the back side of each of the 4 hole section house. Also note in the the photo that there are side rails on these 4 hole sections. If your T-14 house does not have these side rails, please refer to the T-14 plan booklet for instructions.



Fasten the four sliders to your 4-hole sections of the T-14, 2 per section. Set them in position as in the photo above. Partly cover the bolt heads as shown by the arrows. Reason: so when you put the house on the pole, those bolt heads will stay put.

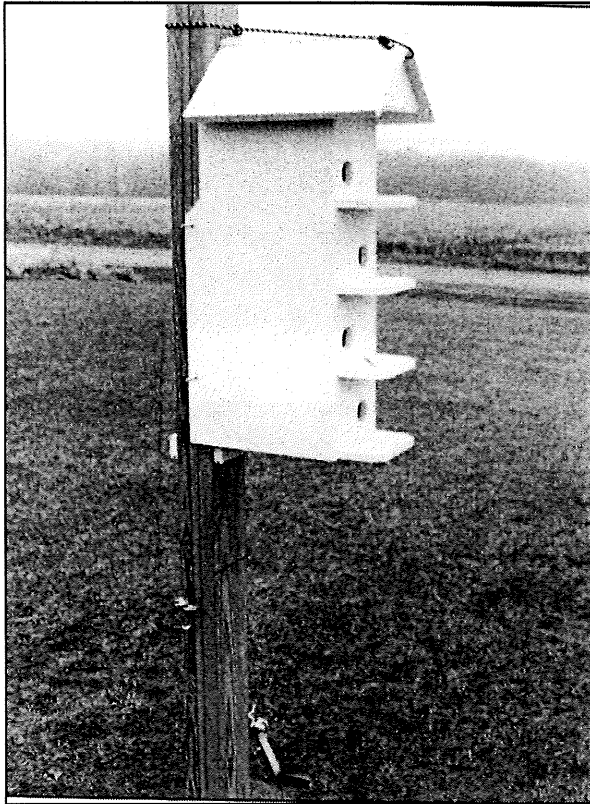


Screw one 2" screw through the rail-slide into the slider, as shown in the photo. It takes 2 screws per slider, a total of 8 per T-14 house. Please note these screws are provided in the mounting kit.



The winch above is an example of the proper height from the ground you want your winch, without damaging the pole.

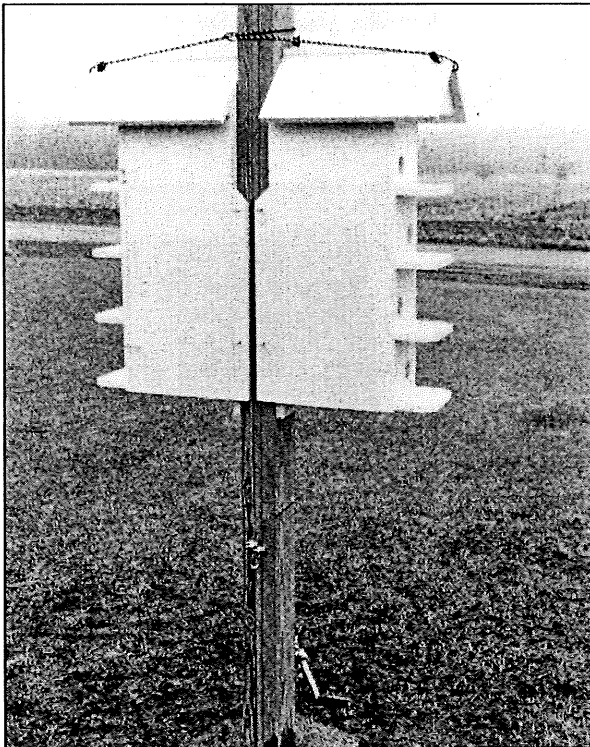
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**How to mount the T-14 House to a
Wooden or Aluminum Post**

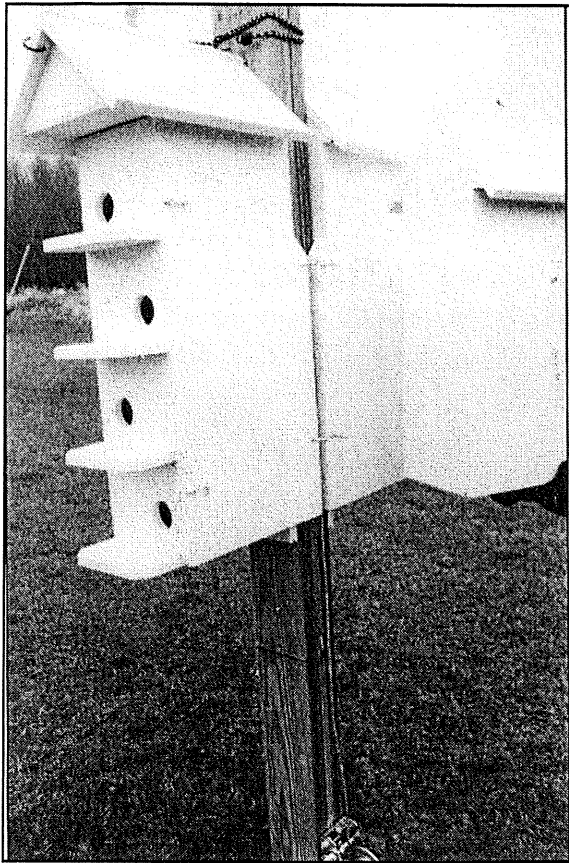
With 2 stretch cords one person can
mount the four units and remove them
from the post.

Put the 4 bolts through rail-slides of each 4 hole
unit. Set one 4-hole unit on the bottom stop for
a wooden pole or the aluminum house bracket
for the aluminum pole. Using a stretch cord
(bungee cord) to hold the top of the unit back
against the pole.

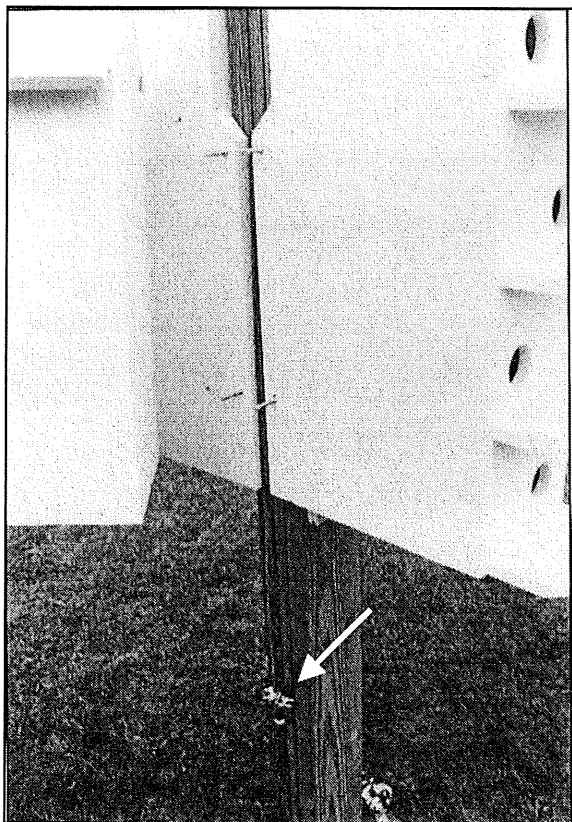


Do the same with the second 4-hole unit.
Notice: on each side you have 4 bolts sticking
through the rail-sides to fasten the 3-hole units.

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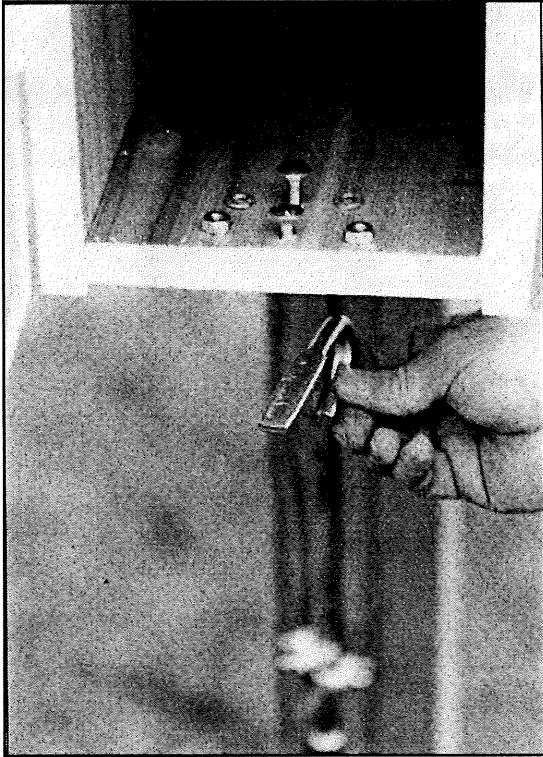


Fasten the 3-hole unit first on the side that the winch is on. See photo left. Put the 4 bolts through the 4 holes in the back of the 3-hole unit. Fasten with 4 wing nuts inside the compartments of the 3-hole unit.

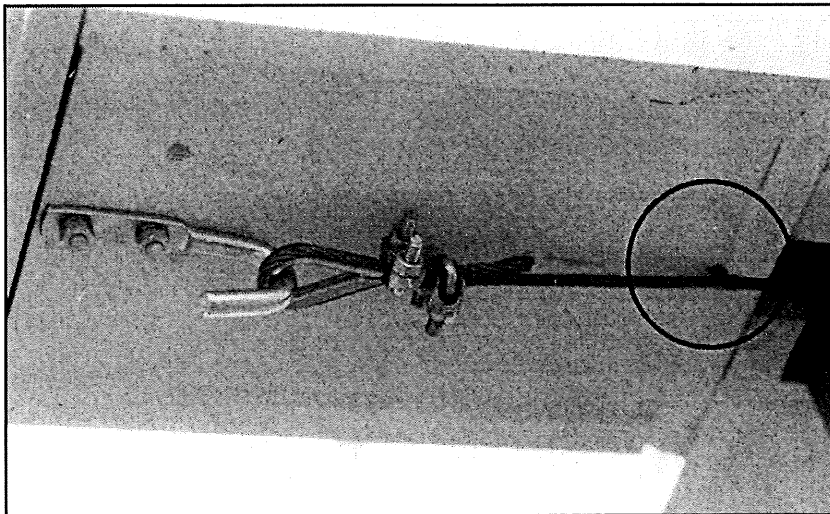


Have cable eye end below martin house-level, with the cable in the cable slot which is between the 2 rail slides. Now fasten the second 3-hole section same as the first one.

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Fasten a tarpaulin hook (as shown in the photo left) to the outside bottom floor of the 3-hole unit that is on the opposite side of the post from the winch.



Hook your cable eye into the tarpaulin hook as shown in the photo. Tighten cable. Cut a groove into the back so the cable stays in position and lets you add on a predator guard. Now the martin house is ready to slide up and down the post.