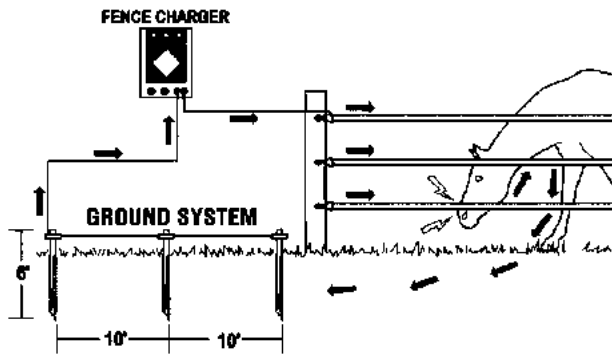


# Electric Tape Installation Tips

## Step 1

### INSTALL FENCE CHARGER AND GROUND SYSTEM

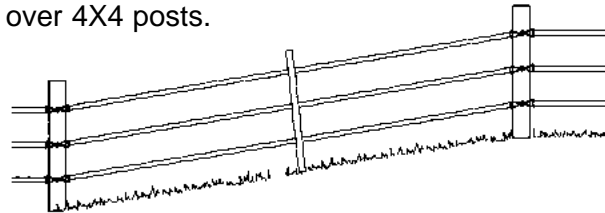


Locate fence charger close to beginning of fence and install under cover (install solar fence chargers outside facing south). Install three six-foot long ground rods spaced 10' apart (where animals cannot step on them). Using a ground rod clamp, attach insulated cable to the ground terminal on the fence charger. Attach insulated cable to the fence (hot) terminal on fence charger and run insulated cable to a cut-off switch on closest post. Turn on fence charger and check voltage with a fence tester (for more information see fence charger instructions).

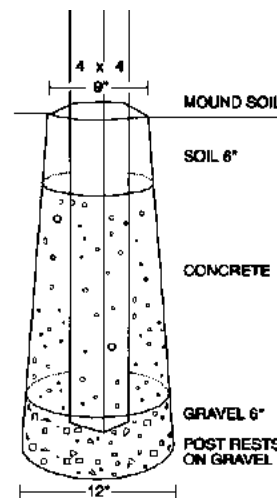
## Step 2

### INSTALL END, CORNER AND GATE POSTS

We recommend using 4X4 square or 5"+ (diameter) round treated posts at ends, corners, gates and in low/high places. Also install in middle or spans exceeding 660'. For a very attractive fence use Pro-Tek 4X4 vinyl sleeves over 4X4 posts.



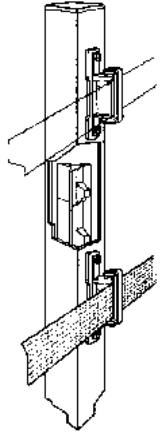
For best results dig a three-foot deep hole that is 9" wide at top and 12" wide at bottom. Put in three inches of gravel and center post in hole. Use level to straighten and add three more inches of gravel. Add concrete to within six inches of surface. Fill hole with soil and mound extra soil around bottom of post to keep water away from post. Allow concrete to set 24 hours before attaching Pro-Tek Tensioners.



## Step 3 & 4

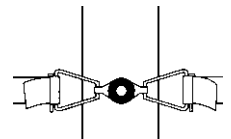
### INSTALL LINE POSTS

Line posts can be wood, steel "T" posts, pipe, plastic, or our attractive Pro-Tek Sleeves that fit over T-posts. Stretch string between corner posts approximately 12" high to install posts in a straight line. Recommended spacing is 8 feet to 16 feet apart ( in heavy snow regions space no more than 12' apart) Install line posts perpendicular to the ground to keep Pro-Tek tape from binding or curling.

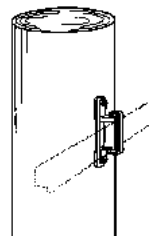


### INSTALL PRO-TEK TENSIONERS AND INSULATORS

Determine Pro-Tek tape spacing and mark corner and line posts from top of post down. Recommended spacing is 10" to 13" apart. For four strands install top strand at 50" and space 13" apart. Drill a 1/8" pilot hole in post for each Tensioner and attach with lag screw.



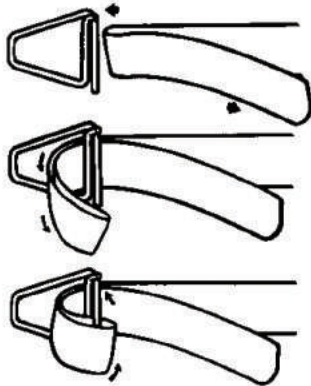
Attach R-16 wood post insulators with 1 1/2" #8 stainless pan-head screws. For Pro-Tek Sleeves attach R-16 insulators with 1/2" #8 stainless pan screws. Do not tighten screws - allow for expansion and contraction.



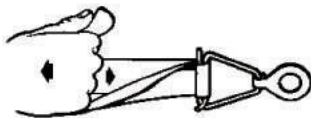
# Step 5

## TAPE INSTALLATION

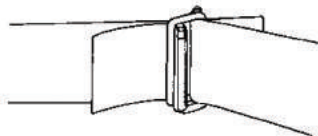
Attach Pro-Tek tape to top tensioner on first end/corner post. Run tape through insulators but DO NOT close insulators. Attach to tensioner on second end/corner post and pull hand tight. Go back to first line post and pull tape tight with one hand while closing insulator with other hand (do not close insulator with a hammer or install in temperatures below 45F) Repeat procedure for each insulator and then tighten tape at second Tensioner.



**NOTE:** Do not over-stretch Pro-Tek tape. Just hand-tighten to eliminate sagging between fence posts.



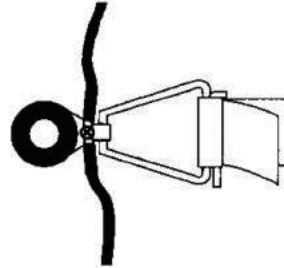
**TIP:** Use R-24 Splicer buckles to connect Pro-Tek tape at end of spools.



# Step 6

## POWER UP!

Attach Pro-Tek R-79 Wire Connector to top Tensioner and run insulated cable to cut-off switch or fence terminal on fence charger. Use Wire Connectors to attach all Tensioners together.



Make sure all insulators are closed and ground rods are connected properly. Turn on fence charger and check voltage at end of fence. Walk the fence to look for arcing, broken insulators, loose Pro-Tek tape or vegetation touching fence etc. Check voltage regularly. Use a low-impedance fence charger only.

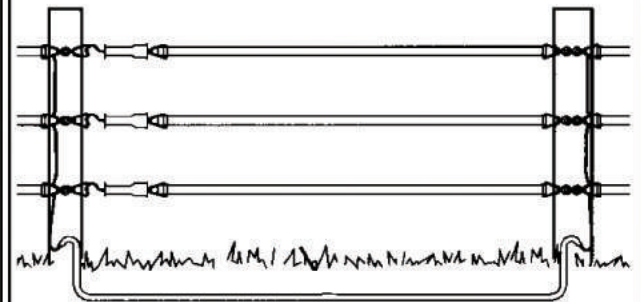
### **VERY IMPORTANT**

Power up each section of Pro-Tek as you build it. Never put horses behind a Pro-Tek fence that is not electrified. In very dry areas you might need a hot/ground fence where the second strand (from the top) is attached to the ground rods. In areas with lots of vegetation you might need to disconnect the bottom strand at times to keep grass from arcing to the tape. This will allow livestock to graze grass away from the fence. If applying herbicide do not spray on Pro-Tek tape.

# Gates

## INSTALL LINE POSTS

To run power across a gate, attach insulated cable to all "hot" tensioners with R-79 Wire Connectors and run through plastic pipe buried under the gate. Attach the same way on the other side of the gate. Pro-Tek tape makes an excellent gate installed so gate is "dead" when open.



**TIP:** Locating gates in corners makes handling animals easier.



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