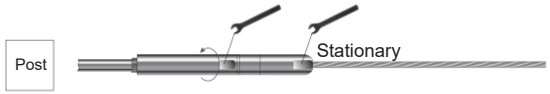
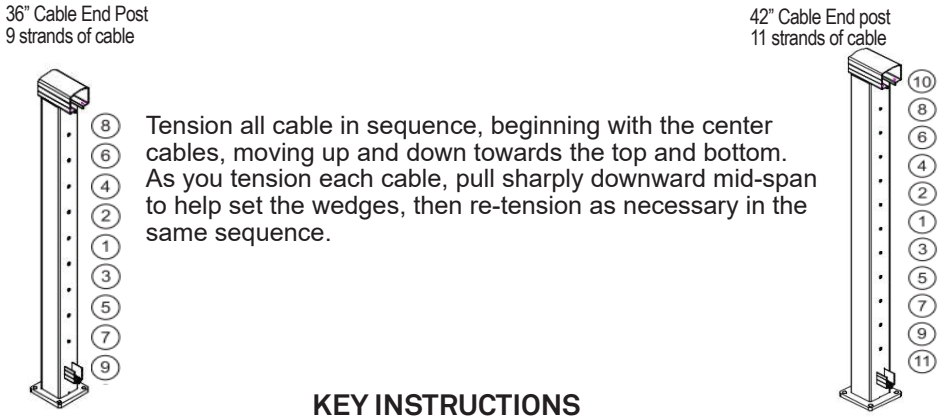
STEP 7: TENSIONING CABLE

After attaching the non-tensioning fitting, tension cable by holding tensioner body at 3/8" wrench flat nearest cable **(do not let this section rotate while cable is inserted)** and rotating female threaded section of fitting with a 3/8" open-end wrench onto threads.



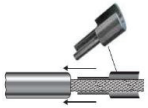
STEP 7A: TENSIONING CABLE



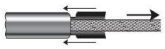
Tension all cable in sequence, beginning with the center cables, moving up and down towards the top and bottom. As you tension each cable, pull sharply downward mid-span to help set the wedges, then re-tension as necessary in the same sequence.

KEY INSTRUCTIONS

The key opens the spring-loaded jaws that grip the cable prior to tensioning.
The key is used when you want to remove the cable from the Threaded Bolt during the installation. This key opens the spring-loaded jaws and will help to insert the cable into the Bolt if you are having trouble with that step.
**** Not to be used after the cable has been tensioned****



1. Slide the groove of the key along the cable until the cable is completely inside the groove. Carefully insert the key into the Bolt opening.



2. Push down until the key reaches the end, you will feel resistance from the spring loaded jaws.

3. The cable will now safely come free from the Bolt without damaging the jaw mechanism.

vista

style &
simplicity

Residential Aluminum Cable Deck Railing Assembly Instructions

READ ALL INSTRUCTIONS COMPLETELY BEFORE STARTING INSTALLATION

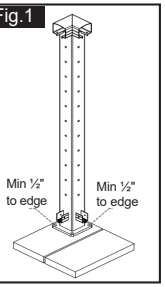
It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The railing installer should determine and implement appropriate installation techniques for each installation situation. VISTA Railing Systems Inc, its distributors and dealers shall not be held liable for improper or unsafe installations. VISTA Railing Systems posts must always be secured to the sub structure and should never be attached to only the surface material (ie deck board). Failure to follow all of these instructions could result in serious injury or death.

Tools & Materials Required:
Handsaw 10" Miter Saw with thin (Kerf) Blade
Electric Drill - 1/8" and 3/16"
Drill Bits 3/8" Hex Head Driver
Torx Screwdriver - T25 drive
Robertson Screwdriver - #2
Measuring Tape
Rubber Mallet (optional)

Toll Free: 800-667-8247 or www.vistarailings.com
Vista is a registered trademark of Vista Railing Systems Inc.
Revised January 2023 V1

Step 1: POST ATTACHMENT

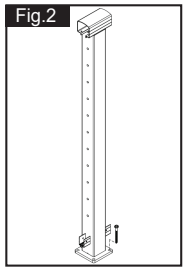
Fig.1



Locate posts as required with the bottom plate ½" from the edge of the deck (a greater distance from edge may be required on some decks so that post anchoring screws can be attached to solid wood under deck surface).

Step 2: POST TO RAIL ATTACHMENT

Fig.2

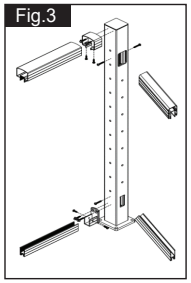


Install posts at this time with only fasteners that meets or exceeds local building department requirements. This will allow enough movement in the post for installation of top rail later. (see Step 4)

NOTE: Deck fasteners are not included.

Step 3: BRACKET ATTACHMENT

Fig.3



Install post brackets as required. (see Fig. 3)

Step 4: TOP & BOTTOM RAIL ASSEMBLY

Fig.4

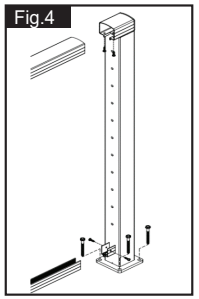
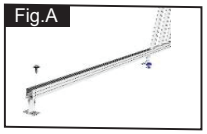


Fig.A

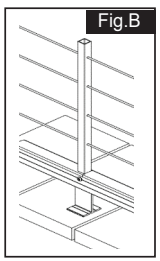


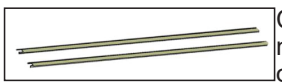
NOTE: Top and bottom rail with picket gasket can be cut at same time. We recommend drilling a $^{3}/_{16}$" hole every 2 - 3 feet in bottom rail to allow water drainage. Measure distance between posts, deduct ½" and cut top rail section. Install top rail securing one end only using #10 x ¾" TEK screws provided with post. Check to ensure posts are perpendicular to deck surface, and install remainder of post to deck fasteners. Refer to Step 2 for appropriate method to attach posts and note about fasteners (use exterior silicone "non-corrosive" caulking in screw holes for waterproofing). Repeat and secure opposite end of top rail. Space bottom rail support legs evenly between posts and secure into the deck with #10 x 1-¼" wood screw (included). Repeat procedure every section approximately every 36-42" in rough position. (see Fig.A)

Important: Secure both rail ends using two of the #10 x ¾" TEK screws provided, one from each side. (see Fig.3 and 4)

Step 4A: CHANNEL COVER

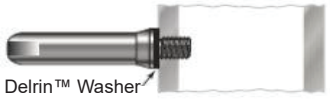
Fig.B





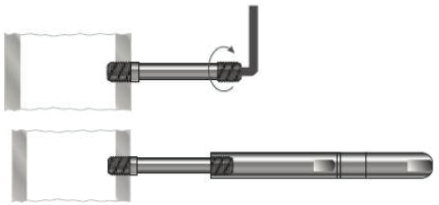
Channel Cover package contains 2 pieces; one notched for level intermediate picket spacer and one for stair intermediate picket spacer.
Each set is to wrap around the intermediate picket spacer on the top or the bottom (see Fig.B). For level installation: measure, cut and install channel cover on top or bottom rail using 0.63" notch to fit around intermediate picket. Measure distance from other post to other side of picket; mark this distance on other piece ensuring to cut off 0.88" notch.
Install channel cover on top or bottom rail to complete.

Step 5: NON-TENSIONING FITTING ASSEMBLY (Post A)



Place the black washer over the threaded Push-Lock bolt. Turn the fitting into the pre-drilled and tapped $^{5}/_{16}$" hole in the post A using $^{3}/_{8}$" open-end wrench on wrench flats milled into body of fitting. Stop turning when shoulder on fitting between threaded bolt and body makes contact with metal post.

Step 5A: TENSIONING FITTING ASSEMBLY (Post B)

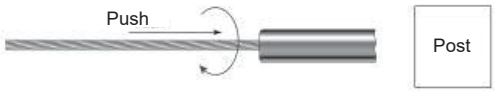


The tensioner comes with the threaded stud attached, it needs to be detached first.

Using the Push-Lock Tensioner with Threaded Bolt, hand turn the threaded bolt component of the assembly clockwise into the post, tightening with a $^{3}/_{16}$" hex wrench. Assemble female threaded rotating portion of fitting onto male thread only so far as to cover the male thread and no more.

Step 6: CABLE ASSEMBLY

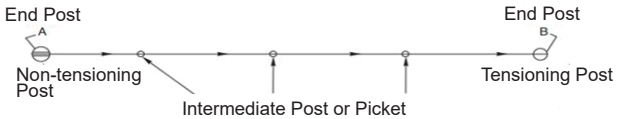
Feed the cable into the non-tension/ Lock Bolt cable.



Note: If you have trouble inserting the cable into the fitting, it may be because the locking wedges have become stuck. This is not a defect! Here's what you can do to "free the wedges" -- Insert the key into the hole and press until the wedges move freely. -- Only use the key as you may risk getting that object stuck.

Step 6A: THREADING CABLE THROUGH INTERMEDIATE POST(S)

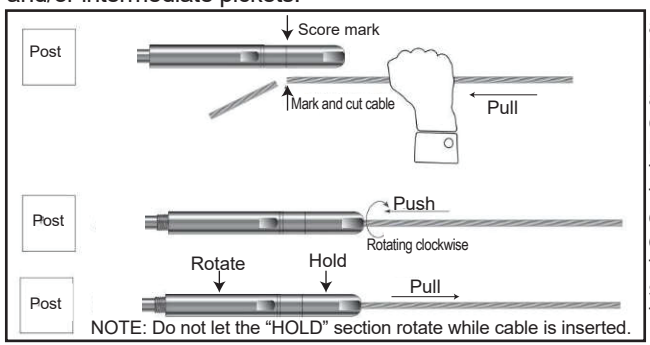
Starting at Post A, feed the bare end of the cable through all of the mid posts and intermediate pickets.



NOTE: Mid Posts or Intermediate Pickets should be no more than 48" apart.

Step 6B: ENDING/CUTTING CABLE AT TERMINATION POST

After the cable is anchored in the non-tension end and threaded through all of the mid post and/or intermediate pickets.



a) Hand pull the cable to score line on the tensioner
b) Mark cable at the score line and cut
c) Remove the female threaded rotating portion of fitting and push the cable wire into the female tensioner.
d) While holding the front section of hardware, rotate the female threaded portion (middle to end section of the fitting) back onto the male thread.