



INSTALLATION INSTRUCTIONS

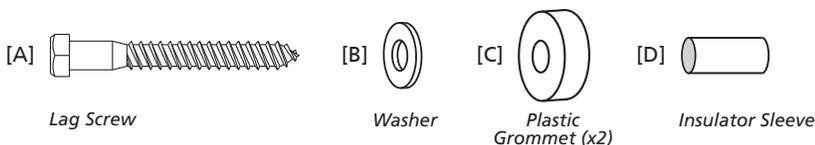


Hot Rail® One-Way Barrel Tensioner

for Hot Rail® (Electric) Fence Systems



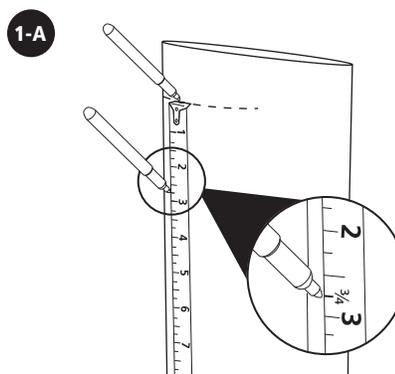
Hardware included:



Each Barrel Tensioner is capable of tensioning 660 ft. of straight rail, but you must deduct 100 ft. from that length for directional and elevation changes.

STEP ONE: Determining Barrel Tensioner Locations

1. Pilot holes must be drilled first. Mark the desired height of the fence rail onto the post as shown in **Illustration 1-A**.
2. Measure down 2.75 inches from the first mark and make a second mark onto the post as shown in **Illustration 1-A**. This mark is where the first pilot hole will be drilled. For additional Barrel Tensioners, use the same spacing that was used when installing fence line post brackets.

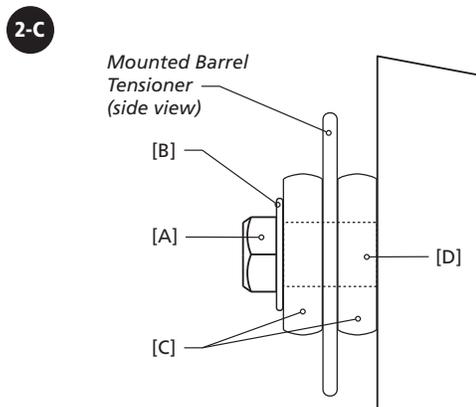
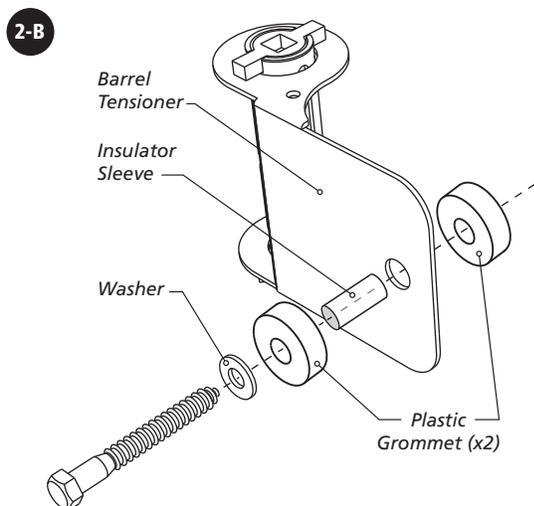


STEP TWO: Attaching Barrel Tensioner to Post

1. Using a 3/8" drill bit, drill pilot holes for all Barrel Tensioners.
2. Attach the One-Way Barrel Tensioner using the supplied lag screw [A], washer [B], plastic grommets [C] and insulator sleeve [D] in the order shown in **Illustration 2-B**.

The insulator sleeve sits within the plastic grommets that mount flush to the front and back of the barrel tensioner, helping to shield the lag screw from energized tensioner hardware. **Illustration 2-C**

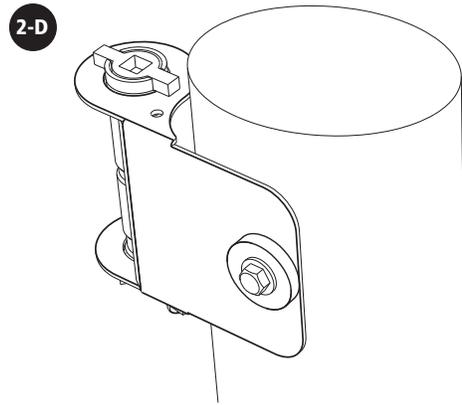
NOTE: The barrel tensioner sits between the two grommet pieces as called out in **Illustration 2-C**.



- The One-Way Barrel Tensioner can be mounted facing left as shown in **Illustration 2-D** or right, depending on the location of the fence.

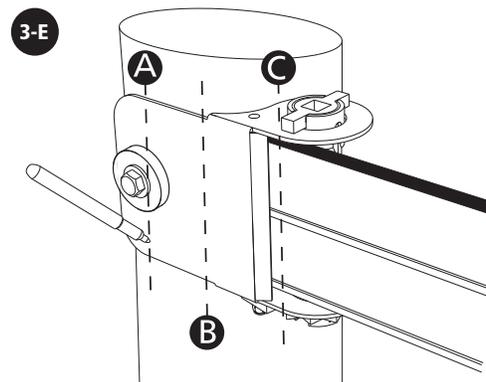
NOTE: Make sure the locking block is always facing toward the ground. This can be achieved by unscrewing the bolt that holds the locking block and moving it to the opposite hole on the tensioner bracket. **DO NOT** over-tighten bolt, as locking block needs to rotate back and forth. The barrel assembly must also be flipped by straightening and removing the copper pin, flipping the barrel assembly and reinserting the pin.

NOTE: **DO NOT** over-tighten lag screw. Barrel Tensioners should fit snug to post but still be able to move with slight pressure. Over-tightening may cause damage to the insulated components.



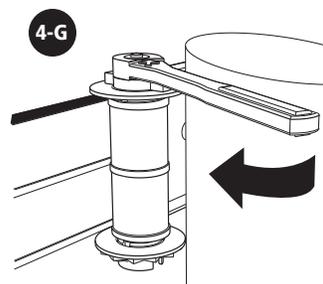
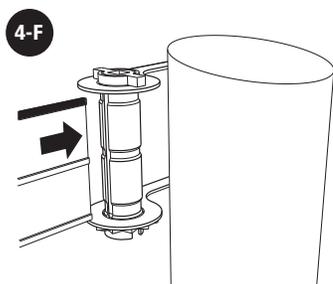
STEP THREE: Mark and Cut Rail

- Hold rail up to Barrel Tensioner and mark the rail as shown in **Illustration 3-E**. If the fence you are tensioning is less than 200' long, then mark the fence at **line A** (right next to the lag screw). Mark it at **line B** (halfway between the lag screw and the edge of the tensioner) if the fence is 200' - 450' long. Mark the fence at **line C** (even with the edge of the tensioner) if the fence is 450' - 660' long.
- Once the rail is marked, cut the polymer using a straight edge to ensure the end of the rail will be square. Cut the excess wire off using wire cutters.



STEP FOUR: Tensioning Rail

- Insert end of rail into slot on barrel as shown in **Illustration 4-F**. Next, insert a 1/2" drive ratchet into the square hole on the end of the barrel. Begin turning the barrel to wrap the rail around it as shown in **Illustration 4-G**. Use the square locking block on the bottom of the barrel to prevent the rail from uncoiling as it is tensioned.
- Continue to coil rail onto barrels until the rail is satisfactorily tight. **DO NOT** over-tighten the rail, as this will reduce the flexibility of your Centaur® fence. **Photo 4-H** shows a mounted Hot Rail® One-Way Barrel Tensioner.



4-H

