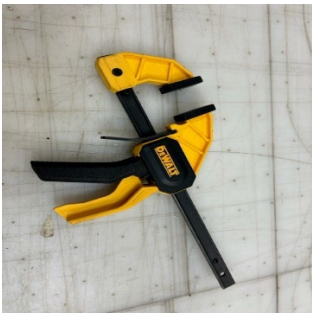


BOTTOM UP TENSIONED MOTORIZED SHADES

Please read this whole document before starting the installation

REQUIRED TOOLS:

- Ladder
- Clean place to unpack the shades (On mover's blanket or tarp)
- Power drill / impact driver w/ bits & a hex head drivers
- 16' (min) Tape Measure (my fav is Stanley FAT MAX or Milwaukee)
- Level, a minimum of a 9" torpedo level, 24" wood or aluminum is best
- Philips and Flat Blade screwdrivers & bits
- #8 (min) 1 ¼" & 2" Hex Head Screws
- Vise Grips or Hand Clamps (Used to hold tension on the tensioner while attaching the tension cord to the shade).



UNPACKING THE SHADES

Use a Wire Cutter to cut the banding on the boxes.

DO NOT use a knife to cut the cardboard - it is too easy to cut the fabric tension rail.

Set the shades, tension rails and any other components in a safe place.

INSTALLATION

Install The Brackets:

You have been provided with a pair of brackets for each shade.

For inside mount, install them in the window on either side of the window sill

NOTE:

- Be sure to keep in mind that the brackets are placed in a way that the back of the tension rail extrusion will be able to line up with the back of the bracket.
- Note that the brackets will be installed upside down compared to a conventional shade
- If a side for the motor was not specified, the motors will be on the right side. (if the motor side has to be switched, simply remove the motor and end pin from the shade tube and switch sides)

IT IS TIME TO INSTALL THE ROLLER TUBE

- Insert the roller tube end pin in first, pushing the pin end into the idler bracket compressing the pin in all the way.
- Check to be sure that the fabric will be rolling up off of the back of the tube (Window side).
- Keeping pressure on the idle end position the motor correctly on the motor bracket and let the pressure of the idle end pin to hold the motor head in place.
- IMPORTANT – most motors will fit in the bracket a minimum of 2 ways. Be careful to mount the motor in a way that any programming or limit setting buttons or “paper clip” holes are facing up

INSTALL THE TENSION RAILS

The tension rails are labelled for WINDOW SIDE. This is so the tension cords hang down closer to the window side to meet with the regular roll shade (fabric roll off of the back of the tube).

As you know we highly recommend that a carpenter comes in after the installation to cover these rails as they are functional rather than cosmetic.

The tension rail is usually installed by drilling through the bottom of the rail on inside mounts and occasionally through the sides on an outside mount.

We do not provide brackets for outside mount tension rail. You will need either a board or L-Bracket to mount the tension rail to. The tension rail can only be secured to a surface by drilling up into the ceiling of the rail.

IT IS IMPORTANT THAT THE SCREWS YOU INSTALL DO NOT INTERFERE WITH THE POSITION OF THE TENSIONERS AS THE TENSIONERS WILL NOT SLIDE PAST YOUR SCREWS.

You can safely initially screw the rails in place with one screw in the center of the open area between 2 tension devices. Do so for each open space based on the number of tension devices to secure the rail in place as you continue installation.

Once the rails are held in place you can unroll some of the fabric from the roll.

DON'T FORGET THAT YOU MAY NEED TO ADD MORE SCREWS TO THE TENSION RAILS ONCE YOU LOCATE THE POSITION OF THE TENSIONERS AND HAVE THEM IN ROUGH POSITION
When in "rough position" put the remaining screws in while still leaving a few inches from both ends of the tensioner for final adjustments.

CONNECTING THE FABRIC TO THE TENSION RAILS

THE MOST IMPORTANT THING TO REMEMBER IN THIS PHASE IS TO NEVER, NEVER LOSE CONTROL OF THE TENSIONER CORD. IF YOU DO THAT WILL IMplode THE TENSIONER !!!

1. Move the upper tensioner from the Bypass (left) side as high up as you can on the rail while still being able to grab the (roughly) 2.25" x 2.25" white cap (cord stop) with the cable and barb running through it. Don't actually grab it yet – just be sure that the cord stop is accessible.

Through this next segment you are going to remove the cord stop from the tension rail while making sure that the barb and cord stay with it



2. Keep in mind that the tensioners have a lot of force and should never be released.

This part takes 2 people.

Person 1 tightens as least one of the two “set” screws that are both ends of the tensioner. We don't want this to move as you put pull on it



See the silver set screw ?

There is one at each end of the tensioner.

Person 1 grips the cord stop and pulls it away from the tension rail.

REMEMBER DO NOT LET THE CORD GO !!!

3. Person 2 gets ready with the clamp with access to the tensioner at the top of the shade

Person 1 pulls the tension cord still looped through the cord stop all the way down to the bottom of the shade.

Even pull it a few inches below the roller tube.

4. While person 1 is still holding the tension cord by the cord stop person 2 takes the clamp and clamps down hard on the cable right up at the tensioner.



A Note Here !

Many of these clamps have a groove cut into the rubber clamp covers.

It is always best to clamp - squeeze the handle real hard and angle the cord through the clamps to avoid this groove

You should have an upside down version of what I have in this picture:



We put some duct tape on our clamp as it is old and the rubber clamp pieces are a bit hard

5. With this ready, remove the paper from the roller and power the shade and begin programming. **Note: Only power 1 shade at a time while doing this. You do not have to set any limits (only pair to the remote and confirm direction) but just guide the shade up to the tension rail in order to secure the barbs through the grommets.** This will allow you to raise the shade to meet the tension rail. Have 1 person hold the hembar and lift the shade fabric as a second person raises the shade with the remote.
6. At this point fold the barb at the end of the tension line and push it through the cord stop so it is free.
7. Next, guide the blue slack cord through the grommet from behind the shade until the barb goes through the grommet. Slowly, rotate the barb as you release tension so it grabs onto the grommet and is secure.



8. Once all of the barbs are secured through the grommets, you can cut the blue cord and excess white nylon cord away from the barb. Leave $\sim 1/8$ " of nylon cord after the knot near the barb to ensure the barb does not come undone.
9. Disconnect power to the motor and then reconnect power to fully program each shade from start to finish. Read all programming instructions, start to finish, before physically programming each shade.

Set the upper limits about $1/2$ " below the tension rail.

As we have recommended from the beginning, you will want to have a carpenter to do some trim work over the tension rails and to exceed its projection to keep them from view and to provide a better light block on the angled sides of the shade.