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# INSTALLATION INSTRUCTIONS



## 1. IMPORTANT SAFETY INFORMATION

Read all instructions and the following safety information carefully prior to installation and use. Failure to do so may result in serious injury or death.

Mystic Motorized Screens are heavy, require electric connection, and may be installed in applications that require professional skilled workers. Ensure that installation is performed by suitably qualified, trained, licensed and insured professionals in accordance with applicable local, County, State and Federal governmental regulations, codes and other requirements.

The bottom weight bar of the Mystic Motorized Screen is heavy. Since movement of heavy objects can cause serious injuries, your safety and the proper operation of the screen depend on you doing the following:

- Keep the screen in full view and free of obstruction when in operation;
- Do not allow children to operate the screen;
- Do not close or operate the screen if people or pets are in the door opening;
- Do not hang or place force on the bottom weight bar under any circumstances;
- Do not place fingers, hand or other body parts in the rails or canister when in operation;
- Repairs and adjustments to the screen should be performed exclusively by trained professionals;
- Do not paint the screen or frame of the unit.

## 2. TOOLS, EQUIPMENT, AND MATERIALS

- Scissors	- Level	- Blankets/mats
- Ladders (2 if installing large screens)	- Square	- Dry Silicone Lube Spray
- Power Drill and Impact Wrench Set	- Measuring Tape	- Safety glasses or goggles
- Drill Bit set for metal, wood, concrete	- Plumb line or laser level tool	- Saw Horses (optional)
- Hand Screwdriver set	- Pencil	- Fasteners

## 3. ANCHORS & FASTENERS NOT INCLUDED

Fasteners or anchors for securing the Mystic unit to the structure are not included with the unit. Installers must furnish the appropriate type of fasteners/anchors depending on the structural material on to which the unit will be secured.

## 4. ELECTRICAL REQUIREMENTS, REMOTE AND MOTOR

The Mystic Motorized Screen motor is a 120 VAC, 2.5 AMP, 60Hz unit.

The unit may be plugged into an outlet or hard-wired directly to a circuit. If hard-wired, it is recommended that an electrical switch be placed in the circuit, near to the unit.

For multi-unit applications, up to 5 units may be connected to a standard 15 AMP circuit.

The remote and motor communicate via RF. The remote and motor may stop communicating as a result of power surges caused by a variety of circumstances. Follow instructions contained herein to reconnect the motor and remote. The limits are mechanical and are generally not affected by power surges.

## 5. PREPARATION OF JOB SITE, OPENING PACKAGES

\*\*\*\*\* DO NOT USE A KNIFE OR UNPROTECTED BLADE TO OPEN PACKAGES \*\*\*\*\*

Each Mystic unit comes packaged in two sturdy cardboard tubes with metal caps screwed on to the ends of the tubes.

If you are not using saw horses, spread blankets on floor or lawn to protect the painted metal frames from scratches and the screen fabric from damage.

Using a power tool, remove the screws from one metal end-cap on each tube.

Using a sturdy screwdriver or other flat tool, remove the metal end-cap from the tubes.

Slide the contents of each tube out of the tube and carefully lay it on the saw horses or protective blanket. Carefully remove the foam covering using scissors or by hand.

Remove the canister cover by undoing the screw that secures the cover to each end of the canister. Save the screws in a safe location.

Remove the contents inside the canister. Depending on the dimensions of the unit, the canister will either contain (a) the screen panel rolled up on the motorized metal tube or (b) the assembled side rails, bottom weight bar, and hardware bag. Save any non-packaging items in a safe location.

Using a hand screwdriver, unscrew the inner rail from the outer rail of the 2 side rail assemblies. Save the screws in a safe location.

Your package contents should be:

- 1 L-Shaped Canister back assembly with end-caps and mounting brackets installed; and
- 1 Canister front - curved; and
- 1 Screen panel assembly: screen panel rolled up on metal tube; motor on one end; idler spring at other end; side zipper cutout on bottom right for weight bar installation; 3 zipper teeth cut off the bottom zipper to allow for proper motion of screen panel; and
- 1 bottom weight bar assembly; plastic end-caps on each end of bottom bar; and
- 2 Inner side rails with plastic entry guide installed at the top; and
- 2 Outer side rails (with predrilled access holes if unit is to be surface mounted); and
- 1 Hardware bag containing:

Remote control(s)	Extra hood screw (2 pieces)
Yellow limit adjustment tool	Color Matched Hole Caps (if surface mount)
Inner Side rail screws	Mystic Installation Instructions
Electrical plug	Mystic Motor & Remote Programming Instructions

## 6. PREPARATION OF THE STRUCTURE: FLAT, LEVEL, PLUMB, AND SQUARE

\*\*\*\*\* THE UNIT WILL NOT OPERATE PROPERLY UNLESS IT IS FLAT, LEVEL, PLUMB, AND SQUARE \*\*\*\*\*

### i. For Recessed Mount Applications, ensure that:

#### (a) FLAT & LEVEL:

- a. The base surface of the header to which the canister back will be secured is flat and level; and
- b. The floor/base is flat and level; (the bottom weight bar is equipped with a brush pile seal which is designed to conceal minor variations in the floor/base surface in addition to impeding incursions by bugs; and
- c. Take 3 measurements from header to floor/base; left, middle, and right. They should be identical otherwise you may have to use shims; and

#### (b) PLUMB:

- a. Take 3 measurements from side jamb to side jamb; top, center, bottom. They should be identical otherwise you may have to use shims; and
- b. Using a level or plumb line ensure that the side jambs are plumb; and

#### (c) SQUARE:

Measure the two diagonals: top left to bottom right corners; top right to bottom left corners. The measurements should be identical.

### ii. For Surface Mount Applications, ensure that:

#### (a) FLAT & LEVEL:

- a. Using a laser line or level on the header, pencil in a line at the height at which the top of the canister will be located; and
- b. Check the floor/base to ensure that it is flat and level; (the bottom weight bar is equipped with a brush pile seal which is designed to conceal minor variations in the floor/base surface in addition to impeding incursions by bugs; and

#### (b) PLUMB:

Using a laser line or level on each side jamb, pencil in a line at the width at which the outer edge of the side rails will be located; and

#### (c) SQUARE:

Measure the two diagonals: top left to bottom right corners; top right to bottom left corners. The measurements should be identical.

## 7. INSTALL THE CANISTER

\*\*\*\*\* Depending on the size of the unit, 2 persons may be needed for this step of the installation \*\*\*\*\*

Identify the location where the electrical cord will be located. Drill a 5/8" diameter hole on the canister in the location where the electrical cord will exit the canister. The 5/8" diameter hole should be near to the end of the canister with the U-bracket that receives the motor. Drill any additional holes needed in the jamb structure through which the electrical cord will be passed to reach the circuit.

- i. **For Recessed Mount Applications:** Secure the top of the canister to the underside of the header jamb.
- ii. **For Surface Mount Applications:** Secure the back of the canister to the surface of the header jamb with the top edge along the line drawn in Instruction 6 ii. (a)

For units under 12' wide use 2 fasteners positioned 1' from each end of the canister. For units over 12' wide use a 3<sup>rd</sup> fastener in the center. Use a washer on each fastener if necessary.

## 8. INSTALL THE OUTER RAILS

### For Recessed Mount Applications:

Place one outer rail directly under the edge of the canister and firmly along the side jamb of the structure.

The face of the outer rail that is towards the back of the canister should be lined up with the back of the canister and run plumb vertically to the floor/base of the structure.

The open side of the outer rail should be facing towards the interior of the opening.

Secure the outer rail to the side jamb using the appropriate fastener.

Repeat for 2<sup>nd</sup> outer rail.

### For Surface Mount Applications:

Place one outer rail directly under the edge of the canister and firmly along the face of the side jamb of the structure.

The outer edge of the outer rail should be exactly along the line drawn in Instruction 6 ii. (b).

The access holes for installing the fasteners should face outwards.

The open side of the outer rail should be facing towards the interior of the opening.

Secure the outer rail to the side jamb using the appropriate fastener.

Install the color-matched hole-caps in the access holes of the outer side rail.

Repeat for 2<sup>nd</sup> Outer rail.

## 9. INSTALL THE SCREEN PANEL, TUBE, MOTOR ASSEMBLY

**\*\*\*\* Depending on the size of the unit, 2 persons may be needed for this step of the installation \*\*\*\***

Orient the screen tube assembly such that:

- The motor end of the assembly is at the end of the canister with the 5/8" hole and at the end of the canister with the U-bracket.
- The spring idler end of the assembly is on the end of the canister with the starred bracket;
- The bottom zipper is falling off the back of the assembly;
- Turn tube so as to unroll the entire screen panel until you see the top zipper on the roll-tube;
- The two limit adjustment switches on the end of the motor must be accessible from the front.

Place the spring idler end of the screen tube assembly in the bracket with the starred hole.

Pass the electrical cord through the 5/8" hole made for that purpose in Instruction 7 above.

Place the square metal idler of the motor end of the screen tube assembly in the U-bracket and secure the motor end to the U-bracket using the Cotter pin. Use the holes closest to the bottom of the U-bracket.

Install the electrical plug to the end of the power cord and plug it in; OR Connect the power cord to the circuit

With the screen panel hanging off the back of the metal roll-tube assembly and then continuing down along the front of the two outer side rails, move the top zipper, secured on to the metal roll-tube, to the left or right such that the side zippers of the screen panel line up with the lines down the center of the outer side rails

## 10. INSTALL THE BOTTOM WEIGHT BAR ASSEMBLY

**NOTE:** to perform the instruction in this section, you may need to adjust the temporary factory set limits on the motor by following the instructions found in the accompanying document entitled “Instructions for the Mystic Classic Remote and Motor”

Using the UP button on the remote, raise the bottom zipper to a comfortable level so that you can slide the bottom weight bar on to the bottom zipper. If the bottom zipper stops before it reaches a satisfactory level when the UP button is pressed, then follow the instructions to INCREASE the temporary factory set upper limit.

On the screen panel, a small section of the bottom of the RIGHT SIDE ZIPPER is cut out so that the bottom weight bar may be easily slid on to the bottom zipper. On the bottom weight bar, there is a channel that receives the bottom zipper of the screen panel. Slide the bottom weight bar from right to left on to the bottom zipper of the screen panel. Line up the T-ends of the bottom weight bar end-caps with the center lines of the outer side rails.

Using the remote control, raise the bottom weight bar to approximately 2 inches from the top of the outer side rail and let it hang there. Again, you will need to adjust the upper limit if the screen panel does not roll up sufficiently.

## 11. INSTALL THE INNER RAILS ASSEMBLY

**\*\*\*\*\* DO NOT SCREW THE INNER RAIL TO THE OUTER RAIL UNTIL INSTRUCTION# 12 BELOW \*\*\*\*\***

Orient the inner rails, so that the black plastic entry guides installed on the inner rail is at the top.

For one of the inner rails, pass the T-end of the bottom weight bar end-cap into the rectangular channel of the black plastic entry guide. Also, allow the teeth of side zipper of the screen panel to follow the T-end of bottom weight bar end-cap into the same rectangular channel of the entry guide. Insert the inner side rail firmly into the outer side rail.

Repeat the above instruction for the 2<sup>nd</sup> inner rail.

Allow the inner rail to stay loose inside of the outer rail. Do not attach any screws as yet.

## 12. SET YOUR FINAL UPPER AND LOWER LIMITS FOR THE SCREEN PANEL

Follow the instructions in the accompanying “Instructions for the Mystic Classic Remote and Motor” to set your final upper and lower limits for the screen panel.

**NOTE:** At its upper limit, the bottom weight bar must hang into the side rails such that the side zippers are always contained below the plastic entry guides at the top of the inner side rails. The bottom weight bar does not store in the canister. It hangs below the canister.

Test the motion of the screen panel by running it up and down once. Do not do this too many times as the motor will shut down if it overheats. If this occurs, wait approximately 20 minutes for the motor to cool down before proceeding.

### **13. SECURE SCREWS ATTACHING INNER SIDE RAIL TO OUTER SIDE RAIL**

Using a hand screwdriver, secure the inner rail to the outer rail using the screws supplied. These screws should not be tightened. They should be turned enough so that the screw head does not interfere with the bottom bar end-caps but no more than that.

Test the motion of the screen panel to verify that the screw heads do not obstruct the bottom bar by using the remote control to raise and lower the screen panel.

### **14. INSTALL COVER ON CANISTER BACK ASSEMBLY**

Hang the canister cover in the groove at the front top of the canister and secure it to the bottom using the two screws that were removed in Instruction 5.

Measure the distance from the bottom edge of the canister cover and the bottom of the metal section of the bottom weight bar. This dimension should be no less than 2 ¼". If it is less than 2 ¼" it means that the side zippers will not reliably stay in the entry guide and inner side rails. To fix this problem, follow the instructions to reduce the upper limit so that the bottom weight bar hangs lower such that this dimension is 2 ¼" or more.

### **15. FINAL CHECKS**

It is recommended that a light spray of Dry Silicone Lube be applied to the length of the inner side rail. This will assist with the smooth functioning of the unit. Test the motion of the unit.

Leave the Yellow Limit Adjustment Tool with the customer for safekeeping and for use in the event that the limits have to be adjusted.

### **16. MAINTENANCE, CARE, AND USE**

On a quarterly basis, a light spray of Dry Silicone Lube be applied to the length of the inner side rail. This will assist with the smooth functioning of the unit.

Should the screen fabric become dirty, it may be washed using a mild detergent spray, e.g. Downy in a spray container. Spray on detergent and wash down using a hose. Leave screen panel in the down position to air dry.

Should the remote and motor become decoupled as a result of a power surge caused by inclement weather or other circumstances, follow the instructions found in the accompanying document entitled "Instructions for the Mystic Classic Remote and Motor" to re-couple the motor and remote.