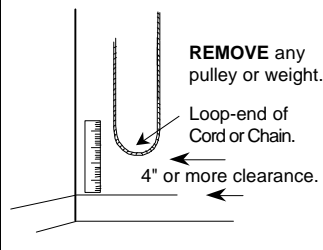


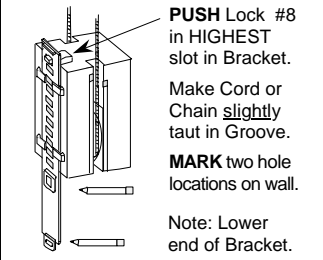
# Installation Steps

**CAUTION** This product has a motor and moving parts. Read both sides of this sheet. Follow safety and installation procedures before operating.

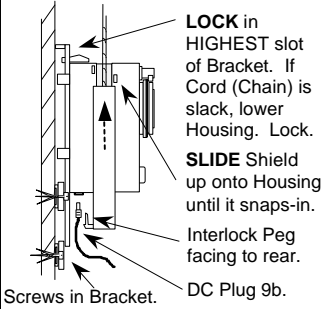
## 1. OPEN window covering HALFWAY.



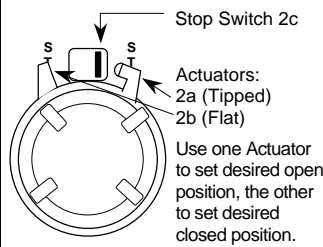
## 2. Slide Wall Bracket into rear Channels.



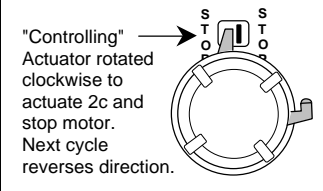
## 4. After Anchors installed (after Step 3)



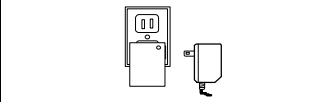
## \*\* Window covering partly open.



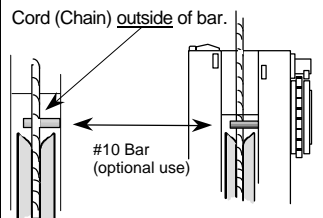
## 5. To increase travel distance, adjust "controlling" actuator 1-click away from Switch 2c. To decrease travel, rotate 1-click closer to Switch 2c. Distance varies 1/2" to 2" based on window covering mechanism.



## 6. PLUG Adapter into outlet of receiver, timer, etc. Ready to TEST.



## 7. Most installation:

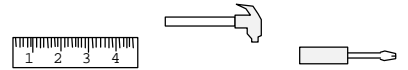


**LARGE DRAPERY, CORD SHADES**  
Cords Only. **Place** cord under Bar #10 on 1-side only. For very larger windows and all corded Shades, place cord under Bars both-sides.

## PREPARATION

Refer to illustration and list of components on reverse side.  
**All SHADES, first follow instructions marked SHADES on opposite page.**  
**All CHAIN controlled vertical blinds, first follow instructions marked VERTICAL BLIND CHAIN.**

**Tools:** Pencil, ruler, hammer, screwdriver, (Phillips), drill & bit.



**CAUTION** Window covering should operate smoothly. All supports and screws must be secure. This product attaches only to the loop of a single Cord or Bead-Chain. Always swivel Vertical Blinds open before traversing.

## 1. All window coverings — OPEN HALFWAY.

**REMOVE** pulley or weight attached to loop-end of Cord or Chain.  
**PULL** loop down until taut. Measure below loop to nearest surface (baseboard, sill, etc.).  
Required clearance is four (4) inches, or more.

## 2. Slide Wall Bracket #7 into Channels on rear of Housing #1 and push Lock #8 into highest slot.

**REMOVE** Safety Shield #4.  
**UNTWIST** window covering Cord (Chain) and spread loop open.  
**INSERT** Housing so that Drive Wheel Groove rests on loop.  
**PULL-DOWN** to make Cord slightly taut. Hold against wall and **MARK** centers of 2 oval holes in Bracket.  
**REMOVE** Housing from Cord (Chain) and **SEPARATE** Wall Bracket from Housing.

Hazards exist if wires or pipes are in wall. Inspect before using Anchors, Screws, etc. Change site if in doubt.

**WARNING**  
**3. Hammer Wall Anchors #6 until flush in wall at marked locations.** If Anchor hits wood stud in wall, remove Anchor and use rawl-plugs and screws only. For plaster, stucco, paneling, drill 3/32" pilot hole for screws alone. **Do not attempt to hammer wall anchors through holes in wall bracket.**

**ATTACH** Wall Bracket to Wall Anchors with Screws #5. Drive screws in until recessed.

## 4. Untwist and open Cord (Chain). Insert Housing so Drive Wheel Groove rests on loop.

**RAISE** Housing and Cord (Chain) above Wall Bracket and slide onto Wall Bracket.  
**LOCK** in HIGHEST slot in Bracket. If Cord (Chain) is slack, lower and Lock, but NOT excessively taut.  
**SLIDE** Safety Shield onto Housing from underneath. Interlock Peg #4 must face to rear.  
**SNAP** Safety Shield teeth into 4-notches on both sides of Housing; otherwise motor will not run.  
**INSERT** DC Plug #9b into electric receptacle at bottom of Housing.

## \*\* Please review the following descriptions and illustration at left before proceeding.

- Stop Switch 2c is similar to a light switch, except it only stops the motor; it cannot start the motor.
- When Switch 2c is pushed left or right, the motor will stop running.
- Switch 2c can be actuated manually (by hand), or automatically by Actuator 2a or 2b.
- When the motor runs, one Actuator moves toward Switch 2c while the other moves away.
- The Actuator that moves toward Switch 2c "controls" when the motor will stop.
- The farther Actuators travel before reaching Switch 2c, the greater distance window covering moves.
- Actuators can be adjusted closer to 2c to decrease travel distance, or farther away to increase distance.
- After 2c actuates, motor will not run again until power is turned OFF by a Controller (remote control, timer, etc.).
- When power is turned ON again, the motor will run in the opposite direction.
- The left-right position of Switch 2c determines travel direction.

**WARNING** **Never operate unless Housing is Locked in Wall Bracket affixed to a wall, and Cord (Chain) is taut and in Groove. AC-DC Adapter can be permanently damaged and if motor is permitted to run after window covering is fully open or closed. If motor labors, window covering has reached travel limit, is obstructed, or Cord is excessively taut. Set both Actuators to prevent overrun.**

## 5. Do not begin this step unless window covering is approximately halfway open. Motor will operate IMMEDIATELY during this step. Be ready to HAND-ACTUATE Switch 2C.



**PLUG** Adapter #9a into AC wall outlet. Motor will run until Switch 2c is actuated.

**IMMEDIATELY** hand-actuate Switch 2c if motor keeps running when desired open/closed position is reached.  
a. If you actuated Switch 2c ← to the left, then rotate the **TIPPED**-Actuator until it touches Switch 2c.  
b. If you actuated Switch 2c → to the right, then rotate the **FLAT**-Actuator until it touches Switch 2c.

**IF** an Actuator stops motor before window covering reaches desired position, do the following:  
a. Measure remaining distance to desired position, divide by 3. Example: Distance = 24 inches. Divide by 3 = 8.  
b. Rotate "controlling" Actuator 8-clicks away from 2c. The "controlling" Actuator will be nearest Switch 2c.

**UNPLUG** and repeat Step 5 until both stop positions are set as desired.

- Make final adjustment to the closed stop position first. Fully-closed is normally desired.
- After closed position is set, lower Housing 1-slot on Bracket and Lock, but not excessively taut.
- Set any desired open position, but no closer than 2 inches before full-open.

## 6. Plug Adapter #9a into receiver outlet (or timer, or X-10 module). Plug both in wall outlet.

## 7. Test, and final adjustment. All corded SHADES, place Cord under bar #10 on both sides.

**TURN** Controller On. Window covering will move to set position and stop. **TURN** Off to reset for next move cycle.  
**TURN** Controller Off to stop at any intermediate position. To continue same direction, turn On again.  
If motor does not run, turn Controller Off, then push Switch 2c in either direction. Retry.  
If a set position changes, **lower** Housing 1-notch in Wall Bracket and Lock. Readjust "controlling" Actuator.  
If a stop position changes again, **place** the Cord under bar #10 as shown at left.

**WARNING** **Never allow motor to run after window covering is full-open or closed. Set both Actuators to prevent overrun. Always turn remote control Off after every use. Always set timer to switch itself Off after every On.**