

Cable Support System

Assembly Instructions



BEFORE YOU BEGIN

The Marvin Cable Support System is a convenient adjustment aid when leveling assemblies during installation and for post installation leveling of assemblies that require adjustment. The Cable Support System is strictly an installation aid—complete dead load plus the desired live load capacity of the structural support for the window assembly must come from platform boards, structural support members of the building and support brackets which are designed and provided by others. The Cable Support System is rated for a maximum of 250 (360) pounds per pair of cables with a minimum cable angle of 45 (60) degrees.



CAUTION! Failure to assemble the cable support system per the following instructions may cause injury or poor product performance.

CABLE INSTALLATION KIT	PART NUMBER
Casement, 9' Cable Support, Casement, 12' Cable Support, Ultimate Double	11850134
Hung, 9' Cable Support Ultimate Double	11850135
Hung, 12' Cable Support	11850136
	11850137

YOU WILL NEED TO SUPPLY

Safety glasses	Hammer
Drill with 1" wood bit	Phillips screwdriver

STANDARD PARTS INCLUDED IN KIT

ILLUSTRATIONS (not to scale)	DESCRIPTION
	<p>(a) 2 – Cable clamps 1/4" x 3 1/8" (zinc die-cast)</p> <p>(b) 4 – Heavy-shank mounting screws – #12 x 3"</p> <p>(c) 1 – #3 Phillips drive bit</p> <p>(d) 2 – Adjustment hole plugs</p> <p>(e) 2 – Cable assemblies – 9' or 12' x 1/8" diameter (galvanized steel)</p> <p>(f) 2 – Fender washers – .25" x .265" x .06" (zinc plated)</p> <p>(g) 2 – T-nuts, 3-prong – 5/16" – 18 x 3/8" (zinc plated)</p> <p>(h) 4 – Heavy hex nuts 1/4" – 28 (zinc plated)</p> <p>(i) 2 – Installation Plates (UDH units only)</p> <p>(j) 4 – #7 x 7/8" Screws (UDH units only)</p>

NOTE: The following instructions are for Marvin bow and bay units with head and seat boards attached. Angled mulls are prepped in the factory for the cable support system. Flat mulls on bay units are not factory prepped and will require additional support placed under the mull joints.



Warning: Bow and Bay units can be very heavy and awkward to handle. It is important to obtain adequate assistance to avoid injury when handling the unit. Operator sash may be removed prior to handling to lighten the assembly.

IMPORTANT: The Marvin Cable Support System was designed to be used in the following configurations:

- All standard size 30 and 45 degree bays
- All special size 30 and 45 degree bays up to a maximum R.O. of 85 square feet.
- All standard size 3W bows
- All special size 3W bows up to a maximum R.O. of 85 square feet.

Site Preparation

1. Prepare a flat clean surface with adequate space to lay the bow or bay unit, interior side down. Remove the bottom skid plates.

Preparing the Cable

2. Casemaster units: install flat washer and hex nuts. Double Hung units: install bottom plate, flat washers and hex nuts. See figure 1.



Casemaster



Ultimate Double Hung

UDH sill shown for illustrative purposes

Figure 1

Installing the Cable

3. Thread cable through the exterior hole in the seat board through the mull and headboard. See figure 1. For Double Hung units proceed to step 4. For Casemaster units skip to step 5.



HINT: The cable may bump against the mull staples, back the cable out slightly, twist on the cable and resume threading the cable through the mull.

NOTE: In the event the cable cannot be successfully threaded through the mull, contact your Marvin Representative for a Cable Support System Field Service Guide

Installing Bottom Plate

4. Place the Ultimate Double Hung installation plate over the sill of the unit. Fasten with two #7 x 7/8" screws through the outer holes. Repeat for each cable location. See figure 2.

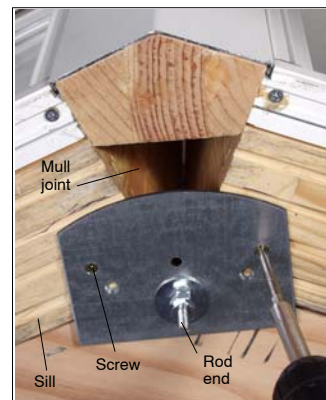


Figure 2

Installing the "T" Nut

5. Thread the cable through the 3/8" "T" Nut and insert into the drilled out hole in the top platform. Tap on the "T" Nut until it is fully seated. See figure 3.



Figure 3



HINT: Pull the cable tight and temporarily secure it to the headboard with a staple that can be removed after the unit has been placed into the opening.

6. Proceed with installing the unit per Marvin Bow and Bay installation instruction part number 19970100.

NOTE: Mark the soffit platform directly under the rod end of the cable and drill a 1" hole to provide access to the adjustment screws. Plug the adjustment hole with the enclosed adjustment hole plugs.