

Installation Instructions for Somerset-II Trellis (Item #8706F)

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#2010-276A

Parts List:

- (A) 2 qty, aluminum angle bracket (40" long with six 9/32" diameter holes)
- (B) 4 qty, aluminum spacer blocks (1-1/2" x 1-1/2" x 1/2" thick)
- (C) 4 qty, stainless hex-head attachment screws (1/4" x 2" length)
- (D) 4 qty, plastic anchor inserts (for concrete/masonry)
- (E) 4 qty, stainless retaining washers (1/4" x 5/8"OD)
- (F) 4 qty, plastic caps (3/4"OD)
- (G) 4 qty, stainless cables with 5/16" diameter ball fitting pre-attached to one end (1/8" diameter x 6-1/2' length)
- (H) 4 qty, stainless threaded terminal cable fittings with setscrews
- (I) 4 qty, flat washers (1/4" x 9/16"OD)
- (J) 4 qty, stainless nylon-insert lock nuts (1/4-20RH)
- (K) 5 qty, stainless rods (1/8" diameter x 38" long)
- (L) 20 qty, stainless Cross-Clamp fittings with setscrews

Tools Needed:

Safety glasses
Step Ladder
Pencil
Measuring tape
Level
Plumb bob
Electric drill
3/16" drill bit (for wood) or 3/8" masonry drill bit (for concrete/masonry)
Hammer
Exterior grade sealant & caulking gun
7/16 socket wrench or other
Vise-Grip® type pliers
Cable cutters or electric grinder or Dremel tool with cutting disk
Sharpie felt pen
1/8" & 3/32" hex key wrenches (included in kit)

Please refer to the *Installation Details* diagram during installation.

****Important:** Never attach trellises to vinyl siding, stucco, Dryvit® or other synthetic or natural construction material walls where the structural integrity is uncertain or where possible penetration of a moisture barrier membrane may create a potential for water leakage or damage or may violate and void any product warranties. Be sure to carefully seal any wall penetrations with the proper sealant materials. Consult a construction expert for advice on your specific conditions.

Mounting the Brackets:

1. Determine the mounting locations for both the *top and bottom angle brackets* (A) on the wall surface (*angle brackets* can be up to 6 feet apart). Mark the drill holes with a pencil. Be sure that the *angle brackets* are level and vertically in line with one another and that you are attaching to wood studs or solid wall material.
2. Drill holes in the wall for the *hex-head attachment screws* (C). **Wood walls:** drill 3/16" diameter pilot holes to depth of 1". **Concrete/masonry walls:** drill 3/8" holes to depth of 2", insert *plastic anchors* (D), and gently tap them with a hammer until they are flush with the wall face.
3. Seal the wall penetration holes by squeezing a ring of premium exterior grade sealant around the drill holes before attaching the *spacer blocks* (B) and *angle brackets* (A). Be sure to check with your local hardware/paint store for recommendations on the proper sealant to use given your surface and attachment conditions.
4. Slip a *retaining washer* (E) on to each *attachment screw* (C). Pass the screw through the holes in the *angle brackets* (A) and *spacer blocks* (B) and then into the pilot holes or *plastic anchors* (D) in the wall. Use a 7/16" wrench to securely tighten each screw.

5. Snap a plastic *cap* (F) over the lip of the *retaining washers* (E) to cover the exposed heads of the *attachment screws* (C).

Stringing the Cables:

6. Lace the *cables* (G) down through the holes in the *top angle bracket* (A) and continue on down through the corresponding holes in the *bottom angle bracket* (A). The *cables* should all hang freely on their *ball fittings*.
7. Pull the *cables* taut by hand and use a Sharpie felt pen to mark each *cable* 1/2" above the top face of the *bottom angle bracket* (A). Cleanly trim the *cables* at that mark using cable cutters or an electric grinder or Dremel tool with cutting disk.
8. Fully loosen the two setscrews on the sides of the *threaded terminal fittings* (H). Insert the trimmed end of the *cable* into the *threaded terminal* until the *cable* bottoms out in the hole (approximately 3/4" deep). With the *cable* fully inserted, tighten both setscrews all the way using a 3/32" hex key wrench (included in kit).
9. Insert the ends of the *threaded terminal fittings* through the holes in the *bottom angle bracket* (A). Slip on a *flat washer* (I) followed by a *nylon-insert lock nut* (J). Spin the *lock nut* by hand until the threads engage and you start to feel resistance, then use a 7/16" wrench to adjust final tension on the *cables*. When initially tightening the *lock nuts*, you will encounter resistance as the threaded shaft penetrates the nylon insert; hold the body of the *threaded terminal fitting* with Vise-Grip® pliers to keep it from spinning. **IMPORTANT NOTE: only use hand tools to tighten the lock nuts in order to avoid overheating the nuts and possibly causing the threads to seize. Do not over-tension the cables; they should simply hang straight and flex easily.**

Hanging the Rods:

10. With a measuring tape and Sharpie felt pen, mark each *cable* (G) at the points where you'd like to attach the *rods* (K). Equal vertical spacing between *rods* is recommended.
11. Slide four *cross-clamp fittings* (L) onto each *rod* (K); be sure that the setscrews are fully removed from the *cross-clamps*. Loosely attach the *rods* to each *cable* (G) by sliding the slotted *cross-clamps* onto each *cable* and then inserting and gently tightening the *cross-clamp* setscrews using a 1/8" hex key wrench (included in kit). **IMPORTANT NOTE: do not force the setscrews into the cross-clamps as this might damage the threads; if you encounter any resistance, simply back off the setscrew slightly to re-align the threads and then try again. When properly aligned, the setscrews will smoothly and easily spin into the cross-clamp. The cross-clamps may be attached with the setscrew facing either away from the wall or toward the wall, whichever you prefer.**
12. Adjust the positions of *rods* (K) on each *cable* (G) so that the cross-clamps are centered on the felt pen marks, and then securely tighten the setscrews on all *cross-clamp fittings* (L) to lock the *rods* in position.
13. All done! Step back and admire your work.

Questions? 1-800-888-2418 or 1-510-893-9473

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Installation Details

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