



S2F MINI-DOOR SERIES

AVAILABLE ANYWHERE IN
THE CONTINENTAL US

**DON'T WAIT,
CALL TODAY!
(865) 316-9009**

INSTALLATION

The S2F Patent Pending mini-door series is constructed of 26 gauge galvanized steel and coated with polyester WeatherXL paint. The S2F series is designed to fit up to 10' x 10' openings and includes a factory installed stainless steel standard mini latch. Bezel latches are available and are installed in the field.

Specifications:

Curtain:

- 26 Gauge Galvanized Steel • Polyester WeatherXL Paint • Maximum Door Opening: up to 10'x10' • Mini Latch Factory Installed
- Bezel Latches Field Installed • Felt Strips • down length of curtain allows quieter, smooth operation and reduces surface abrasion

Bottom Bar:

- .075 Thick 6063-T6 Aluminum Extrusion • 1.5" x 1.5" 14 Gauge Angle • 1.125" Tall .100" Thick Astragal Weather Strip

Axle Assembly:

- 1 5/16" O.D. Steel Axle, 14 Gauge • Oil Tempered, E-Coated Torsion Springs
- 9.5" Diameter Drums, 18 Gauge Galvanized Steel • Live Axle Assembly

Tension Bracket, Guide Rails and Hardware:

- High Quality Steel Bearings for long-lasting, easy operation of door
- 18 Gauge Steel Guide Rails with plastic wear strip for curtain protection
- Steel Head Stop and Catch to secure door inside guide rails

Installation, Maintenance & Operation Instructions

WARNING:

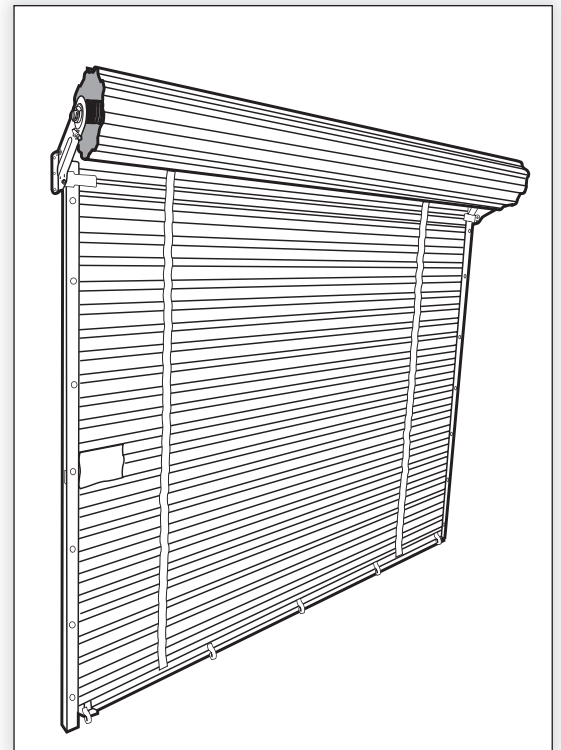
- Only qualified professionals should work on overhead doors.
- Door springs, brackets and other parts attached to springs are under extremely high tension.
- Serious injury can occur if not properly operated or adjusted.

IMPORTANT:

- Be sure to read instructions thoroughly prior to beginning installation.
- All doors and parts must be installed by a trained overhead door technician using the proper, tools and safety equipment.

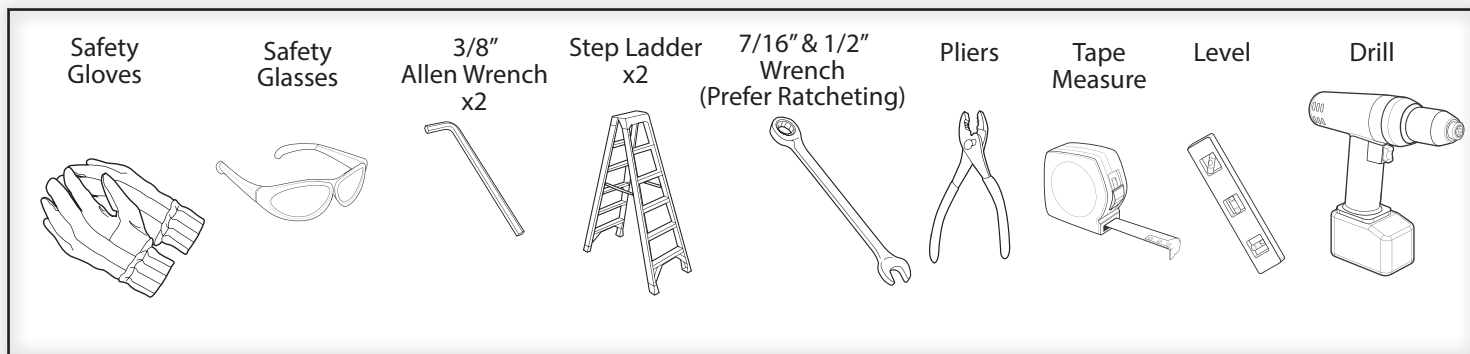
SAFETY:

- HIGH SPRING TENSION CAN CAUSE SERIOUS INJURY OR DEATH.
 - *DO NOT* adjust, repair or remove springs or parts to which springs are connected, such as steel brackets, fasteners or other parts of the system.
 - Remain clear of the opening as the door is moving.
 - Adjustments or repairs should *ONLY* be made by a trained door systems technician using proper tools and instructions.



STORAGE BEGINS WITH THE DOOR

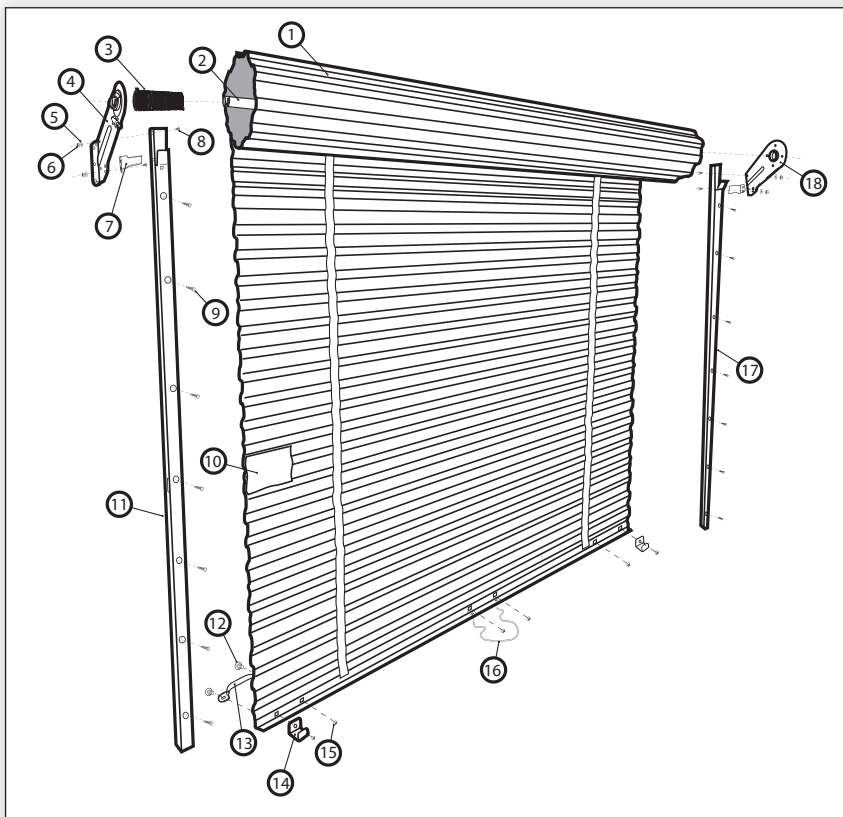
Tools:



INSTALLATION:

IMPORTANT: Before Installation

- Avoid dropping or standing on door unit(s) to eliminate damage caused by similar actions.
- Protective coverings should remain on the door unit until step 14.
- Clear the door opening area of debris before beginning installation of product to avoid damaging the product.
- Always handle the product with care.



Parts

The Door Unit:

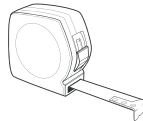
Familiarize yourself with the parts of the door unit.

Note: Some parts are specifically designed as a right side or left side application.

1	Curtain	7	Head Stop	13	Handle
2	Axle	8	5/16 Carriage Bolt	14	Catch
3	Spring	9	Self Drilling Screw	15	1/4-20 Nut
4	Left Bracket	10	Felt Pad	16	Rope
5	Washer	11	Left Guide Rail	17	Right Guide Rail
6	5/16 Nut	12	1/4-20 Carriage Bolt	18	Right Bracket

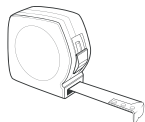
1. Verify the width (W) and height (H) of doorway opening matches door being installed.

Tape
Measure

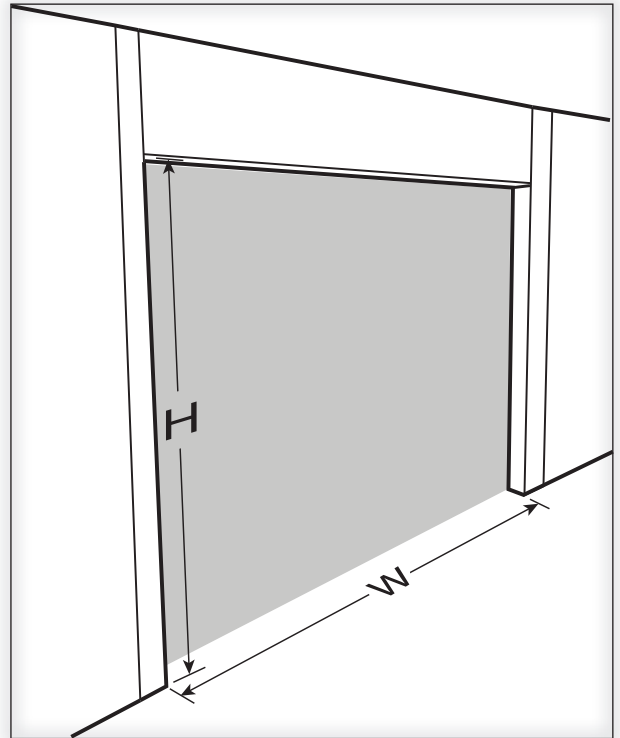
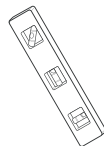


2. Verify the floor and header are level and the upright jams are plumb and equal.

Tape
Measure



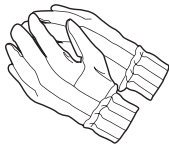
Level



Assemble brackets to the axle of the door:

3. Slide the tensioning bracket onto the left side of the axle.

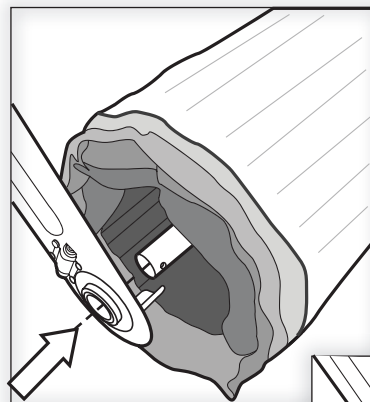
Safety
Gloves



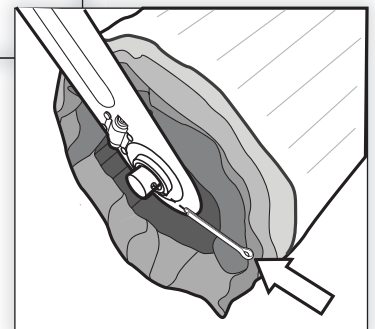
Safety
Glasses



Pliers

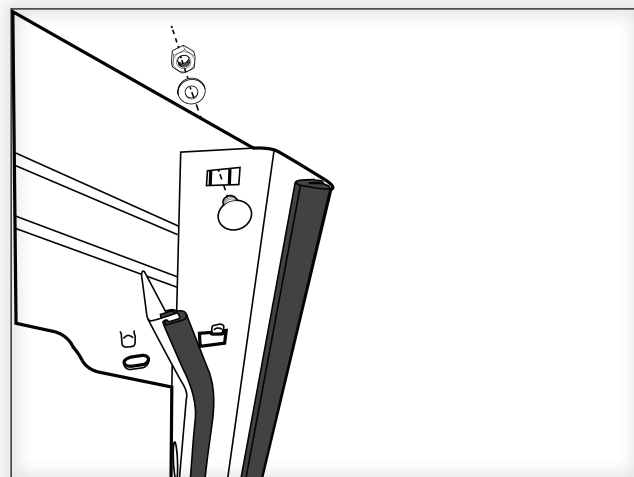


4. Insert the cotter pin into the hole and bend ends back to secure the bracket.
5. Repeat steps 3 & 4 for right side with non-tensioning bracket.



6. Attach the guide rails to the brackets. Slide tab into lower rectangular hole and place 5/16" carriage bolt into upper rectangular hole through the guide rail and bracket. Tighten nut securely. Repeat steps for right and left side.

1/2"
Wrench
(Prefer Ratcheting)



7. Secure spring hook onto tensioning unit hook by reaching into the door unit and pull the spring end to the bracket (6a). If needed, rotate the bracket to line up with the spring hook (6b).

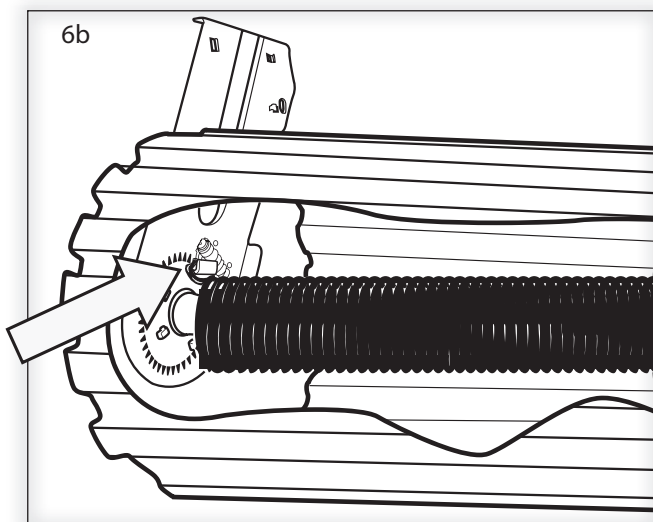
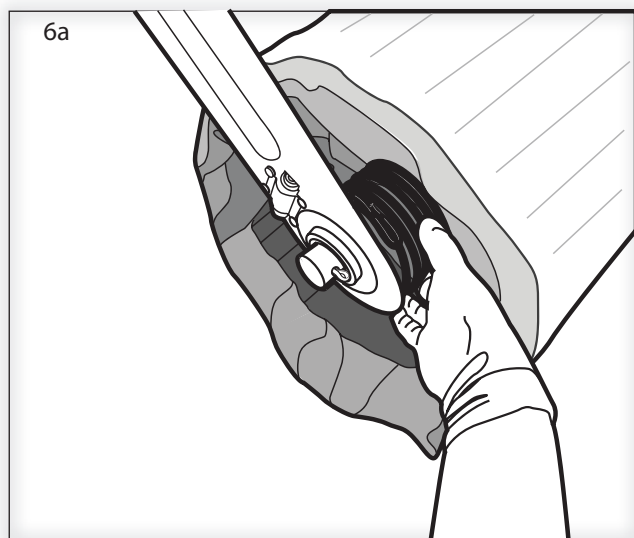
Safety
Gloves



Safety
Glasses



Note: Use caution when attaching springs to avoid contact with the edge of curtain as curtain edges may be sharp.

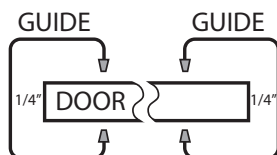


WARNING:

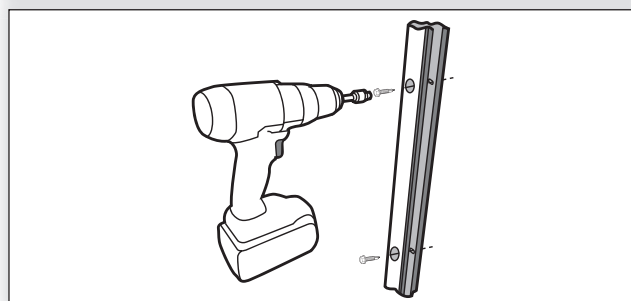
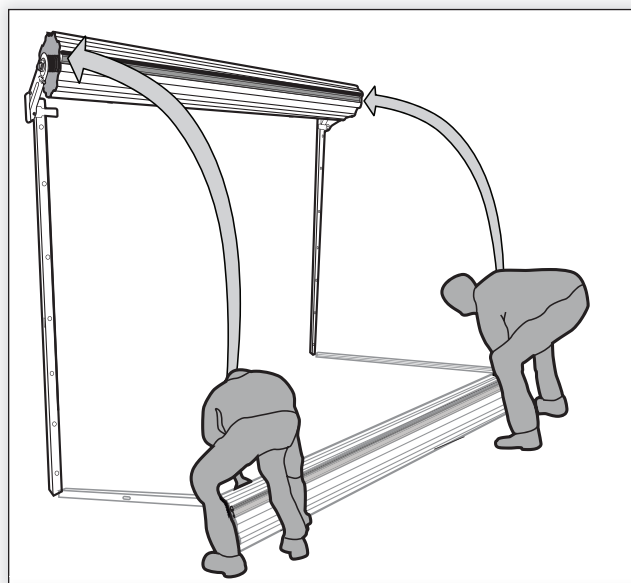
Two people are required to lift door into place.
Failure to do so can result in injury or damage.

8. Using two installers, place the free end of each guide rail at the bottom of the door jam. Pivoting on the free end of the guide rails lift the door assembly upward into place against the jam and header.
9. While one installer holds the unit in position, the other installer verifies that the unit is in the proper location. Once the position is verified, secure the guide rails to the jam with one self tapping screw in each guide rail.
10. Verify that each guide rail is plumb and in the correct location.

Note: Guide rails must be secured 1/2" wider than the width of the curtain, 1/4" on each side.

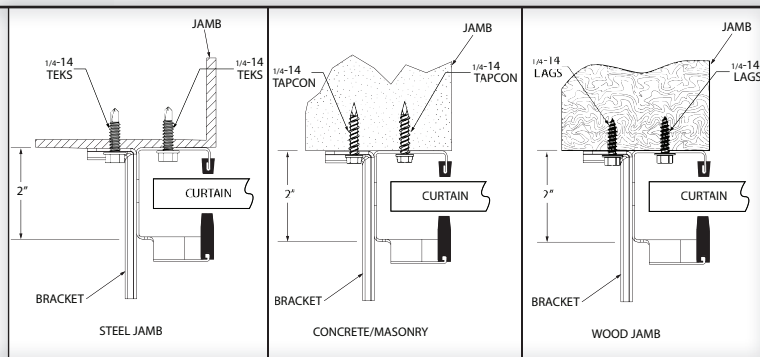


11. When step 10 has been completed, secure the guide rails by installing the self tapping screws in *all* of the remaining securing holes in the guide rails.



FASTENERS FOR ATTACHMENT OF BRACKETS AND GUIDES TO JAMBS

JAMB	FASTENERS	DRILL SIZES
STEEL-STRUCTURE (EXTERIOR)	1/4" - 14 X 1" TEKS SCREW	NA
STEEL-FRAMING (INTERIOR)	1/4" - 14 X 7/8" STITCH TEKS SCREW	NA
CONCRETE/MASONRY	1/4" X 1-1/4" TAPCON SCREW	3/16" X 1-1/4"
WOOD	1/4" - 10 X 1" LAG SCREW	NA



Step Ladder
x2

Safety
Gloves

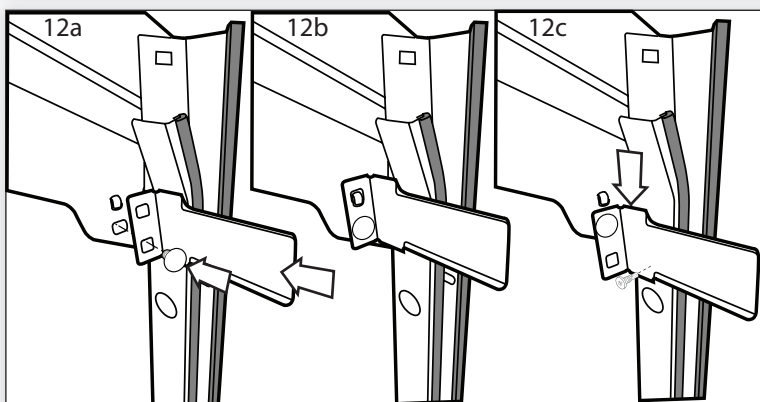
Safety
Glasses

1/2" Wrench
(Prefer Ratcheting)



12. Install the head stops to the brackets with the 5/16" bolts and nuts. (12a & 12b) Tighten Securely.

Note: Head stop height is adjustable. (12c) Lower head stop to bottom carriage bolt hole & use 12" self tapping screw to secure head stop in place.



TENSIONING:

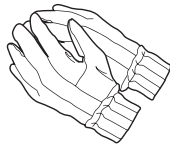
IMPORTANT: Pre-Tensioning

The stretch wrap and protective material should still be on the door unit. Leave it on the unit until instructed to remove it in step number 14.

Step Ladder
x2



Safety
Gloves



Safety
Glasses



13. With the stretch wrap still securing the door unit, rotate the door unit toward the opening as shown. This applies tension to the spring (13).

Note: Most doors require 2 or 3 rotations. Hang and apply tension to the first door to confirm desired tension.

Warning: Hold onto the door to prevent it from rotating backwards releasing the spring tension.

14. While securing the door by hand to keep it from unwinding, remove the stretchwrap and protective material with a utility knife.

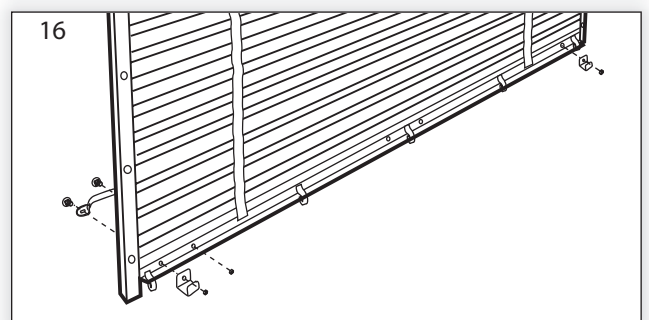
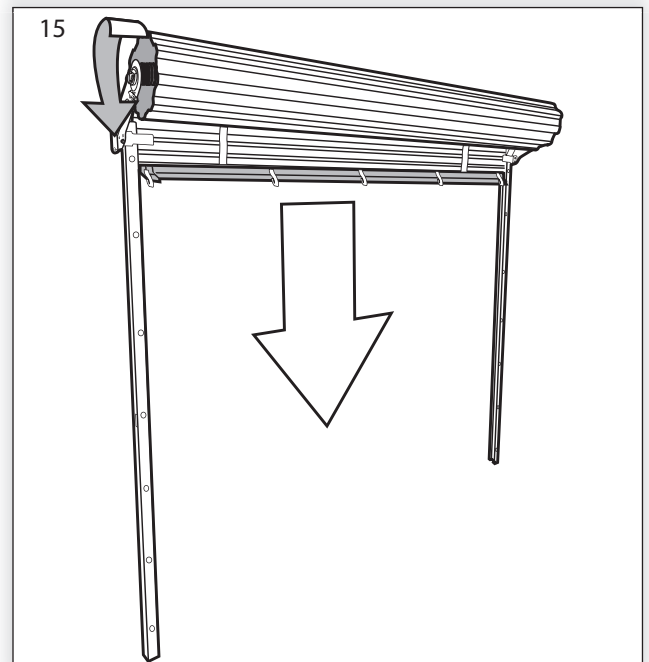
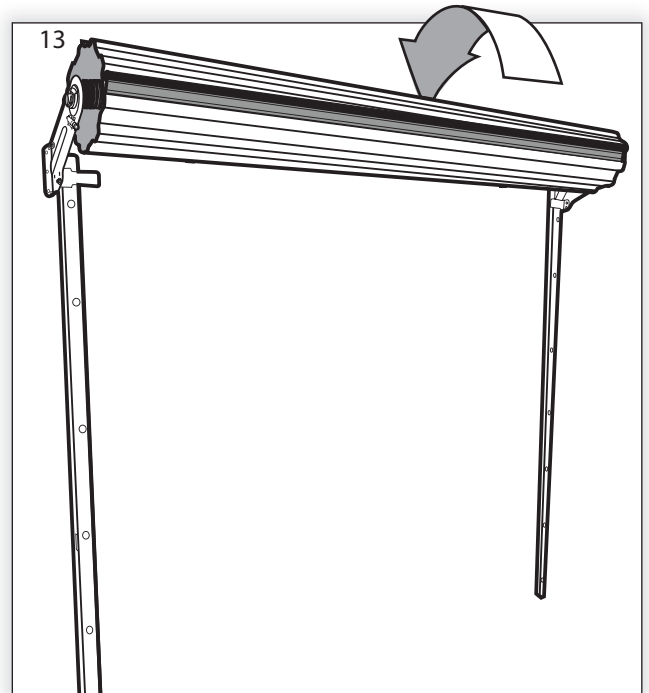
Note: Be careful not to cut the astragal or damage the paint when cutting off stretch wrap.

15. Place the bottom bar in the top of the guide rail and pull the door down into its closed position (15).

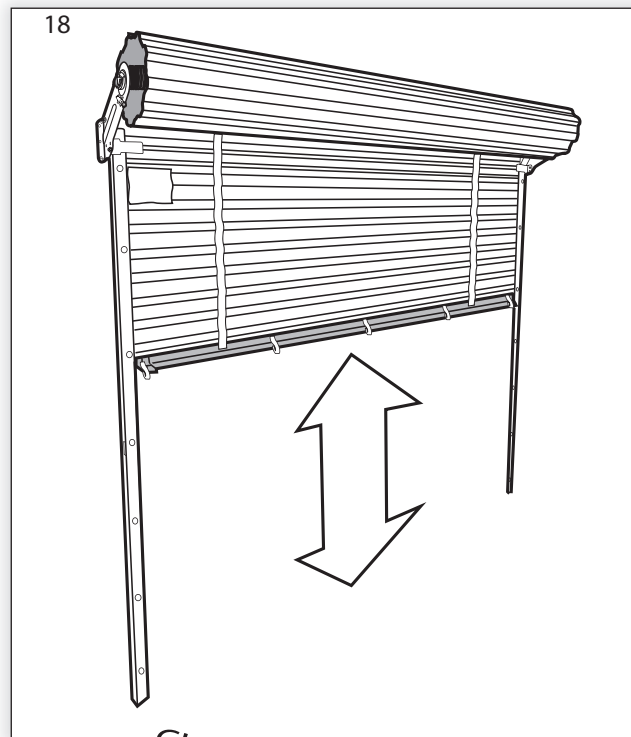
16. Install the handle and bottom bar catch on the left end of the bottom bar (16).

17. Install the second bottom bar catch on the right side of the bottom bar (16).

7/16"
Wrench
(Prefer Ratcheting)



18. Check the door operation by raising and lowering door (18).



19. If the door is easy to open but hard to close, reduce the spring tension: Roll the door up then reduce the spring tension by rotating the tension screw clockwise.

Note: Door must be fully opened prior to adjusting tension.

20. If the door is hard to open but easy to close: Roll the door up then increase the spring tension by rotating the tension screw counter clockwise.

21. Repeat steps 18-20 until proper tension of door has been achieved.

Warning

If you must take the door down, secure the door in it's up position using rope, banding strap or a good velcro system to ensure that it does not unroll, potentially causing bodily injury.

