

R6500 Series Installation Instructions (For Surface Mount Doors)



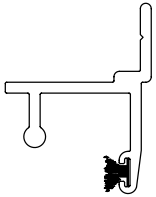
Partially Assembled Unit

TOOLS REQUIRED:

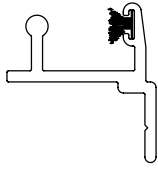
- Tape Measure
- Standard Screwdriver
- Phillips Head Screwdriver
- Drill Motor
- 1/8" Drill Bit
- 3/16" Drill Bit
- Hack or Chop Saw
- Framing Square
- Level

IMPORTANT:
REVIEW ALL INSTRUCTIONS
THOROUGHLY
BEFORE STARTING STEP 1

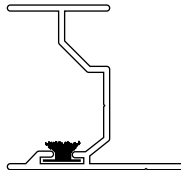
PARTS INCLUDED:



Head Track
#R6046



Sill Track
#R6041



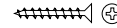
Closer
#R8021



Strike
#D2160



#4-40
Lock Nut



Flat Head Screws
#6 x 3/4"



Pan Head Screws
#4-40 x 1/2"
#8 x 1"

Step 1

Fabricate / Verify Part Lengths Required

Note:

- Assembled Roll-Away® screens have already been cut to size. Verify cut size below and proceed to Step 2

Closer (#R8021)

Opening Height minus 1-1/8"

Track (#R6041 & #R6046)

Opening Width minus 3-1/16"

Hinge/Housing assembly opening height 1-1/8"

- KD "Kit" Roll-Away® screens. Please refer to Page 1 of the **Fabrication Instructions**.

Step 2 Install Housing/Hinge

Drill three (3) 3/16" clearance holes in the housing hinge, one approximately 2" from each end, one approximately in the middle. Locate the holes using the groove in the hinge flange (Figure 1). Note: These hole locations may be pre-drilled from the factory.

Carefully, making sure not to damage the screen, install the Housing Hinge against the stop in the jamb using three (3) #8 x 1" pan-head screws provided. The hinge should extend past the opening 1/2" on both the header and sill.

A #6 x 3/8 pan head screw has been installed to lock the hinge to the housing.

Place the hinge against the jamb as shown (Figure 2) and screw it into place. Make sure the housing is fully seated on the hinge.

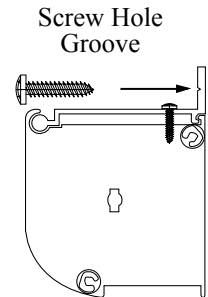


Figure 1

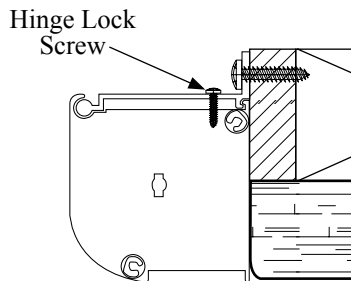


Figure 2

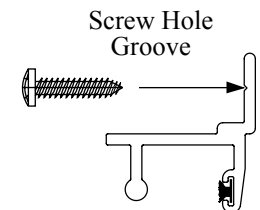


Figure 3

Step 3 Install Tracks

Drill three (3) 3/16" clearance holes in each track, one approximately 2" from each end, one approximately in the middle. Note: These hole locations may be pre-drilled from the factory. Locate the holes using the groove in the track flange (Figure 3). Insert the head track into the drawbar wheel housing, and slide it into the pocket in the housing end cap. Carefully align the track with the housing, using a framing square (Figure 4) to insure accuracy. Make sure the track is fully seated in the housing end cap pocket (Figure 5) and attach the track to the opening using the #8 x 1 pan head screws provided. Repeat this process for the sill track (Figure 6).

NOTE:

It is the responsibility of the installer to insure the installation screws are firmly fixed in a suitable wall or frame. R. Lang Company makes no implication that the screws provided are suitable for every application, and will not be responsible for damage, poor operation, or failure that result from improper installation. Pilot holes are recommended for all screw fastening applications.

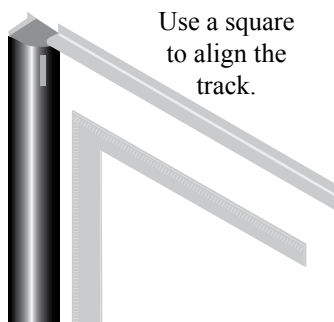


Figure 4

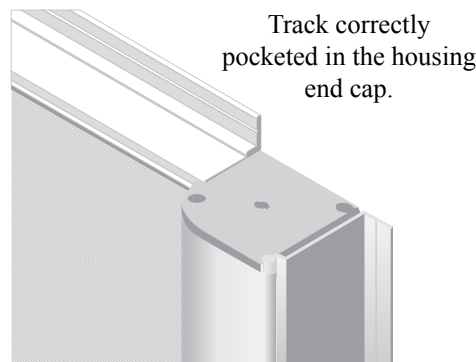


Figure 5

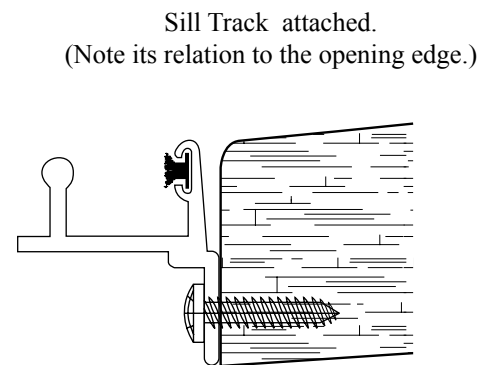


Figure 6

Step 4 Install Closer

Drill three (3) 3/16" clearance holes in the closer (#R8021), two approximately 4" from each end, one approximately in the middle using the groove in the closer flange. The closer is designed to pocket the tracks. It may be installed without modifying the tracks, leaving a small gap.

Install Closer over the ends of the tracks using #8 x 1" pan head screws provided, on the jamb opposite the housing (Figure 7).

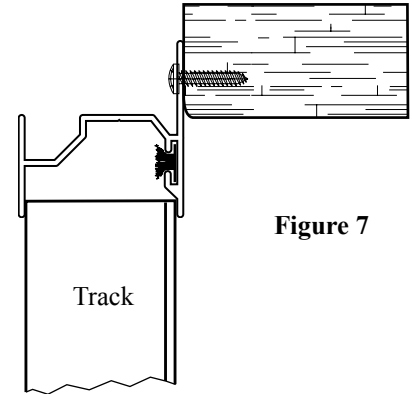


Figure 7

Installed Closer, Top View.
Note its relation to the opening edge.

Step 5 Strike Installation

The strike (D2160) is mounted nose down (Figure 8), using the #4-40 x 1/2 screws and lock nuts provided. The mounting holes for the strike must be located along the alignment groove (Figure 9) provided inside the closer. The nose of the strike should be approximately 1/8" below the latch, as measured from the sill track (Figure 10). The strike holes will locate 3/4" and 1 1/4" above this point. Adjust the strike up or down as needed to get a secure latch. Use a 1/8" drill for #4 screw pilot holes.

WARNING!

Adjusting the strike too far down will not allow the latch to engage the strike.

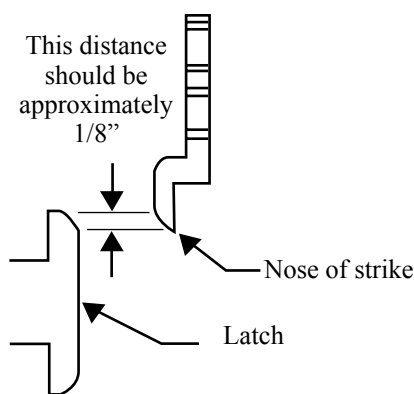


Figure 8

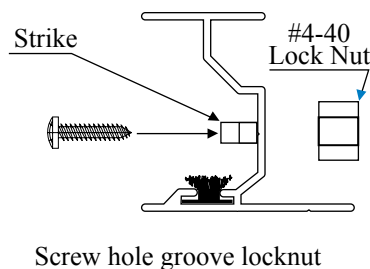


Figure 9

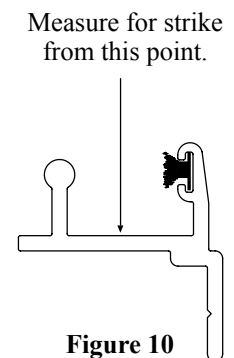


Figure 10

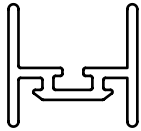
Installation Complete

Make sure all components are properly installed. Check the overall operation of the door. Drawbar guides should move freely over both the bottom and top tracks and connect squarely with the closer. If properly installed, the door will want to return to the housing quickly after breaking contact with the strike.

French Door Instructions

Amendments To Installation Instructions For French Door Opening

ADDITIONAL PARTS INCLUDED:



R5180
Astragal



R5490
Astragal Pin



Lock Nut
#4-40



Pan Head
#4-40 x 1/2"

Step 1

(See Page 1 for Step 1)

Step 2

Install Housing / Hinge

Install both Housing/hinge assemblies in the jambs directly opposite of each other. The active door will have a latch projecting from the drawbar at the handle center.

Step 3

Inactive Door

The astragal and astragal pins are installed on the inactive door. The strike is pre-installed in the astragal center pocket of the inactive door.

Step 4

Install Head Track

Both doors in a French set will travel along the same tracks. Locate the Head Track (R6046) and feed it on to the top roller guide of the inactive door (See Figure 5 on Page 2). Now take the opposite end of the Head Track and align it into the Housing end cap notch on the active door. The Head Track on the inactive side should now be in the housing notch location. Fasten the Track to the header using the #8 x 1" flat head screws provided.

Step 5

Install Bottom Sill Track

Repeat Step 4 for installing the Sill Track. After this step the drawbar and screen for the inactive door will operate on the track. The active door will not.

Step 6

"Snapping" in the Active Door

Carefully... and while making sure the screen is properly guided within the top and bottom tracks, pull on the center of the drawbar until approximately two (2) feet of screen is exposed. Line up the top drawbar guide with the top track, and the bottom drawbar guide with the bottom track (*this will require the drawbar to be at a slight angle*) and "snap" into place (Figure 11). Allow the screen to retract back into the housing. Test for smooth operation.

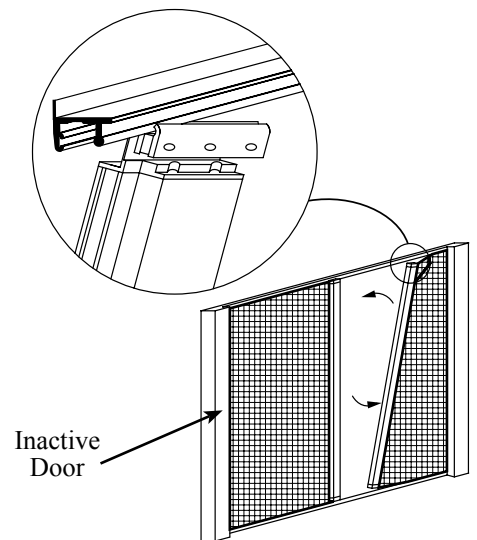


Figure 11

Note: It is necessary to keep the drawbar guides aligned with the tracks during this process to prevent damage to the guide assemblies!

Disappearing Screens

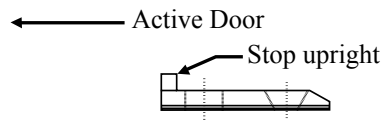
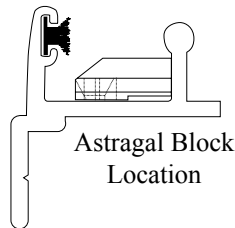
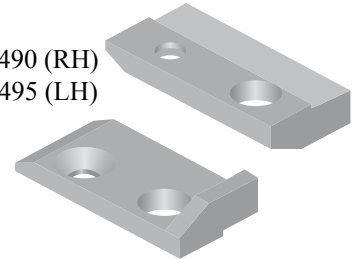
Install Astragal Stops

Step 7

Install Astragal Stops (#R6490/R6495) into head and sill track. Fasten using one (1) #6 x 3/4" flat head screw through hole and into track. The astragal blocks are keyed on the bottom to fit in the screw groove in the track, and the stop upright will point at the active door. Make sure stops are evenly placed, top and bottom, and hold stationary door in required position. The stop upright should be placed at that position in the track. The active door

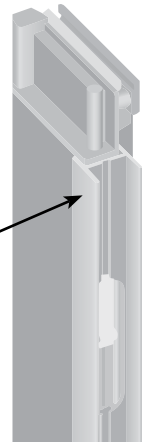
should easily open and close, latching at the inactive door when required. If more depth for the astragal pins are desired, a 7/32" drill bit can be used to drill through the astragal stops into the track. Be careful here, that this process does not compromise the integrity of the building structure or weather barrier. R. Lang Company will not be responsible for any damage as a result of improper application of this process.

R6490 (RH)
R6495 (LH)



Drawbar with Astragal Pin.

(Pin is in slot in drawbar)



Step 8

Adjust Strike

Follow the instructions in Step 6, Page 3 for adjustment of the strike if necessary.

Installation Complete

Make sure all components are properly installed. Check the overall operation of the door. Drawbar guides should move freely over both the bottom and top tracks and connect squarely with the closer. If properly installed, the door will want to return to the housing quickly after breaking contact with the strike.

WARRANTY

Roll-Away® LIMITED WARRANTY

To the original purchaser, R. Lang Company warrants this product and its components parts to be free of defects on materials and workmanship for a period of one year from the date of purchase.

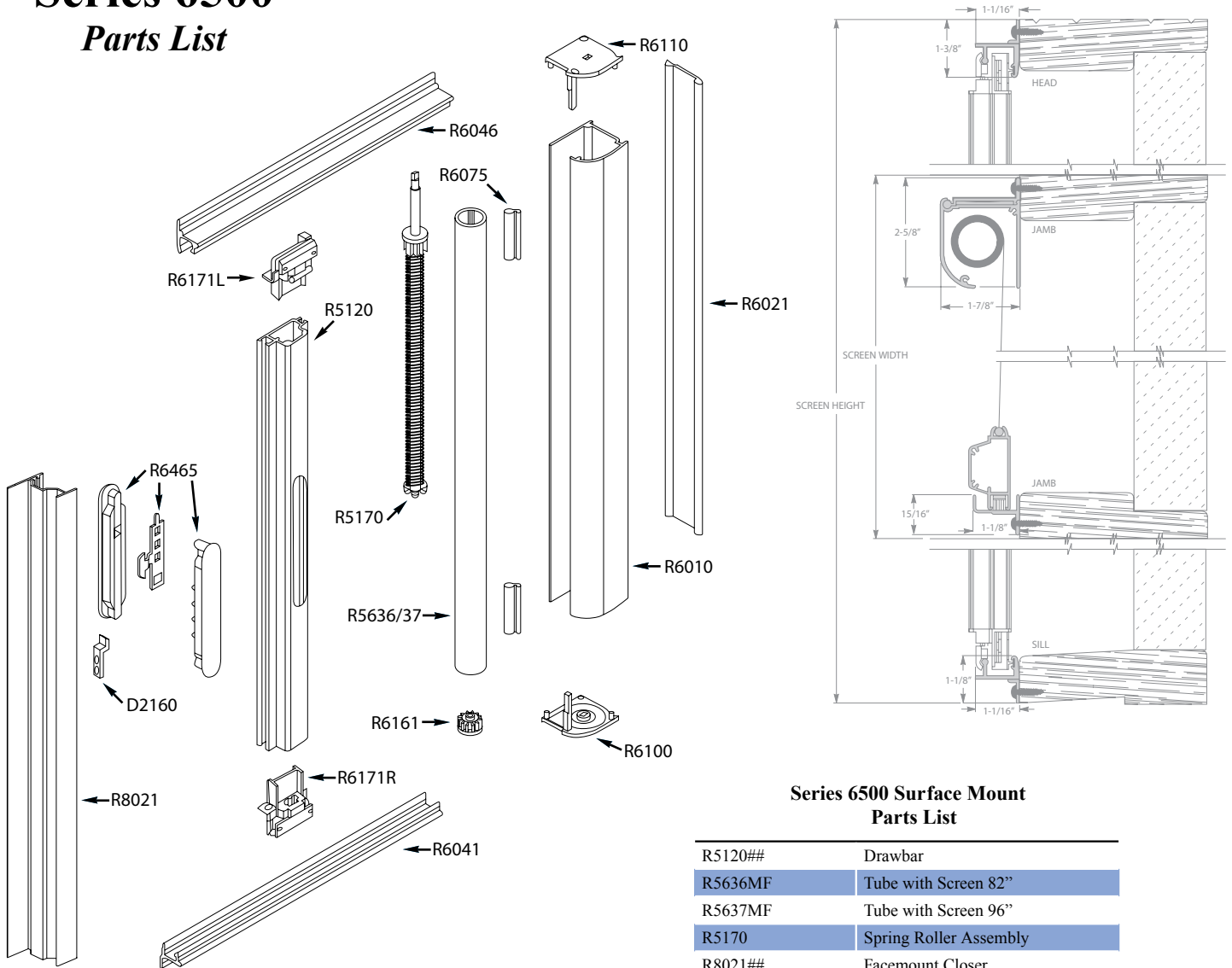
Damage caused by accident, improper installation or abuse, is specifically excluded from this warranty. Manufacturer's liability on any claim shall not exceed the cost of the product. In no instance shall manufacturer be responsible for consequential damage from the use of this product, including damage to existing door during installation or operation.

For a period of one (1) year from the date of purchase, any defective product or part may be sent, freight prepaid, to R. Lang Company, 8240 West Doe Avenue, Visalia, California (93291) for replacement or repair at no charge. Proof of purchase date and a pre-approved Return Materials Authorization must accompany any returned item. For further information about this warranty, write to Consumer Affairs Manager at R. Lang Company.

This warranty replaces any and all previous warranties, either written, oral, or implied, and is the only warranty made on this product by the R. Lang Company. This warranty gives you specific legal rights. Rights may vary from state to state.

Series 6500

Parts List



Series 6500 Surface Mount Parts List

R5120##	Drawbar
R5636MF	Tube with Screen 82"
R5637MF	Tube with Screen 96"
R5170	Spring Roller Assembly
R8021##	Facemount Closer
D2160	Die Cast Strike & Screw Assembly
R6465BL/WH	Handle Assembly with Strike
R6010##	Housing
R6021##	Surface Mount Hinge
R6041##	Sill Track
R6046##	Head Track
R6075	PVC Cushion
R6110BL/WH	Housing End Cap - LH
R6100BL/WH	Housing End Cap - RH
R6161BL/WH	Bushing with Pan
R6171(BL/WH)L	Drawbar End Cap Assembly - LH
R6171(BL/WH)R	Drawbar End Cap Assembly - RH
##	- Door color

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