



Summary	Field Installation of Dual Strapless Windbars				
Products Affected	Fast Seal				
Key Word Tags	Fast Seal, Strapless, Windbars				
Tools/Equipment (If Required)	Clamps, Grinder, Saws-All, Utility Knife, Wrenches, Phillips and Flat Blade Screw Drivers, Drill with Assorted Bits, Welder, Fork Lift (depending on door size)				
Parts/Materials (If Required)	As Listed Below				
Related Media					
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NOTICE: Installation of the dual strapless windbar assembly will diminish the breakaway capability of the door.

NOTICE: Installation of windbar may require replacement of counterweight or motor. Contact customer service at 1-800-628-1909 for more information.

This service bulletin outlines the procedure to install a dual strapless windbar assembly for the Rytec Fast Seal door. This installation can be performed on doors that currently have no windbars, windbars with straps, or the older version dual strapless windbar assembly. The dual strapless windbar assembly can be installed in the front or rear windbar guides.

Parts List:

Qty.	Description	Part Number
1	Assembly, Top Strapless Windbar (17"SC)	R0299098
1	Assembly, Bottom Strapless Windbar (17"SC)	R0299097
	OR	
1	Assembly, Top Strapless Windbar (14"SC)	R02991980
1	Assembly, Bottom Strapless Windbar (14"SC)	R02991981
	AND	
2 per lower windbar	Cushion Assembly, Windbar Stop	R02992164
2 per upper windbar	Stop, Double Strapless Windbar	R0203290
4 per side that is strapless	Bumper Bracket Assembly	R02992077
2 per cushion assembly	HHCS, 3/8-16UNC X 3 1/4" LG GR5 ZN	R0550123
2 per cushion assembly	HLNSF, 3/8-16, STL ZN	R0553229
4	HHCS, 5/16-18 X 1, STL ZN	R0550070
4	HLNSF, 5/16-18, STL ZN	R0553104
A/R	Counterweight Assembly (MAY NOT APPLY)	
	<i>*Must check door run/ specials for standard or rocket booster style counterweights</i>	
	Right Hand Side (14" SC)	R0299576
	Left Hand Side (14" SC)	R0299577
	OR	
	Counterweight Weldment (RH & LH 17" SC)	R0299165
4 total –	Stop Weldment, Non Breakaway End Bracket	R02992797
pick correct edge type	(foam edge)	
	OR	
	Stop Weldment (ESP, suspended or non-suspend air)	R02991561

Installation Procedure

Note: Before you start, determine if you are installing a front or rear (or both) windbar assembly.

If you have any questions call the factory immediately at 1-800-628-1909

Section A: For doors with an existing windbar with straps

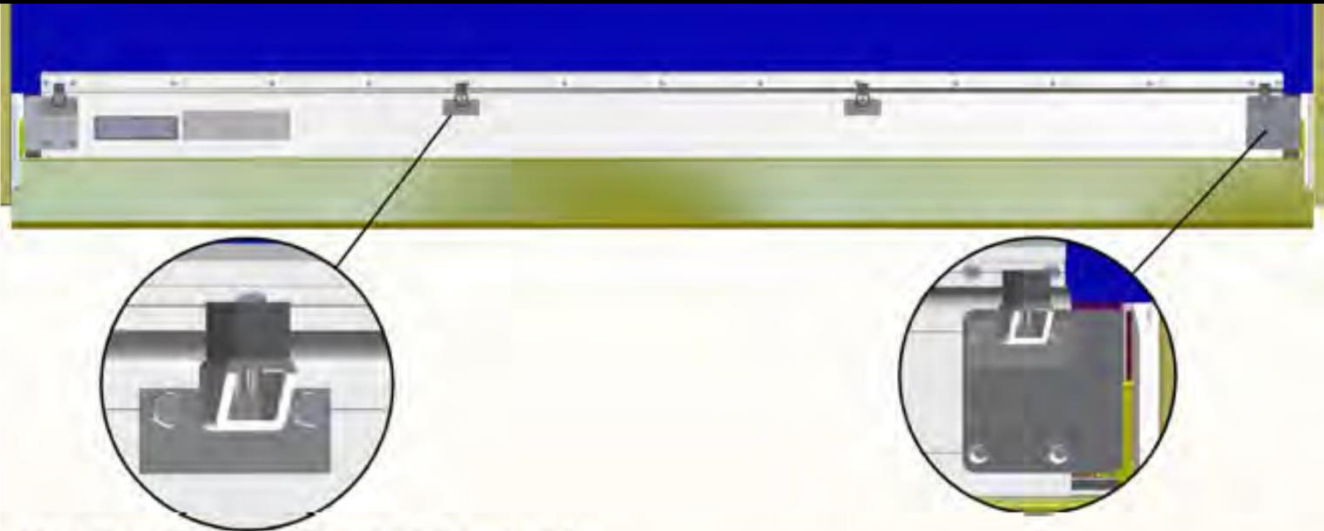
1. Have the door in the full open position. Place the door in jog mode by pressing and holding the stop/reset button and the down arrow at the same time for 3-5 seconds. For rear mounted windbars, remove the photo eyes and photo eye mounting brackets found in the rear windbar guides, approx. 40" from floor, (these will be reattached after the installation of the new windbars).
2. For a rear mounted windbar, the windbar guides are notched at the bottom to allow removal of the windbar. For a front mounted windbar, the windbar guides will have to be notched at the bottom. Cut a 3 1/2" notch in the front windbar guides, 27" to center of the notch from the floor, to allow removal of the windbar.
3. Lower the door to the fully closed position so that the windbar is at 1/2 the door opening height. Place a C clamp on each windbar guide to support the windbar. Remove the windbar straps. While supporting the windbar, remove the C clamps and lower the windbar to the bottom of the windbar guides. Depending on the length and weight of the windbar, a fork truck may be required to support and lower the windbar. The straps that wrap around the drum assembly can be cut at the retaining strip.
4. Remove and discard the windbar and straps.
5. Go to Section C, step 3.

Section B: For doors with an existing older version dual strapless assembly

1. Place the door in jog mode by pressing and holding the stop/reset button and the down arrow at the same time for 3-5 seconds. For rear mounted windbars, remove the photo eyes and photo eye mounting brackets found in the rear windbar guides, approx. 40" from floor, (these will be reattached after the installation of the new windbars).
2. Open door so that both windbars are at top of door opening.
3. Remove lower windbar guide brackets in windbar guides.
4. Remove upper windbar guide stops in windbar guides; you will need to grind them off.
5. Jog door down to approximately waist high position. Place C clamps on the windbar guide underneath each windbar so the windbars are supported separately. Break bottom bar away so the windbars will clear the pick-up brackets attached to the bottom bar. While supporting the bottom windbar, remove the C clamps. Carefully lower the windbar to the bottom of the windbar guides and remove through the notches at the bottom of the windbar guides. Repeat for the top windbar. Depending on the length and weight of the windbars, a fork truck may be necessary to support and lower the windbars.
6. Discard windbars.
7. Go to Section C, step 3. Steps 6, 7 and 11 will not be required for doors with existing older version strapless windbars.

Section C: Installation of dual strapless windbar assembly

1. The door must be in the open position. Place the door in jog mode by pressing and holding the stop/reset button and the down arrow at the same time for 3-5 seconds. In order to install the new windbars, the windbar guides will have to be notched at the bottom. Cut a 3 1/2" notch in the windbar guides 27" to center from the floor.
2. For rear mounted windbars, remove the photo eyes and if applicable, the photo eye mounting brackets found in the rear windbar guides, approx. 40" from floor, (these will be reattached after the installation of the new windbars).
3. In order to prevent the windbars from tripping the photo eye, the photo eye transmitter and receiver must be relocated towards the outer edge of the windbar guide. Cut a 3" notch in the rear windbar guides for older Banner photo eyes. Notch the outside edge only, farthest from the door panel. Do not install the photo eyes at this time. For newer Telco eyes a new 3/4" hole will need to be drilled at the outside edge of the guide, furthest from the panel.
4. If additional counter weights (P/N R0299576) are required, these will be included in the shipment. Remove the existing counterweights from the side columns. Install new counterweights and reattach to the counterweight straps. The straps will have to be adjusted to account for the longer counterweights.
5. Jog the door lower door to a comfortable working height. Break bottom bar away.
6. Loosen existing L bracket mounting bolts from each end of bottom bar by loosening the four 1/2" dia. bolts and nuts that secure each upper L bracket.
7. Remove the upper 1/2" dia. bolts that secure the L brackets and attach the windbar bumper brackets (P/N R02992077). Be sure you install the brackets on the correct side of the bottom bar, front side for front mounted windbars, and rear side for rear mounted windbars. Reinstall the mounting bolts. Depending on the width of the opening, additional center mounted brackets may be needed. Use hardware (P/N R0550123) 3/8-156 x 3 1/4" LG bolts and (P/N R0553229) 3/8" nuts. (See Figure 1).

**Windbar Bumper Bracket Assembly**

Part #R02992077

Bolts, 3/8 - 16 X 3 1/4"LG

Part #R0550123

Nut, 3/8 - 16

Part #R0553229

Stop Weldment, Non Breakaway

Part #R02992797

NOTE: Installing the stop weldments will prevent the door from breaking away if impacted.

NOTE: Windbar Bumper brackets only used when door has strapless windbars.

(Figure 1)

8. The bottom bar should still be broken away. Install the top windbar assembly (P/N R0299098) and the bottom windbar assembly (P/N R0299097) through the notches in the bottom of the windbar guides. Be sure the top windbar assembly is installed first. The top windbar assembly can be identified by the addition of the bigger roller endcaps (P/N R0205358). (See Figure 2)

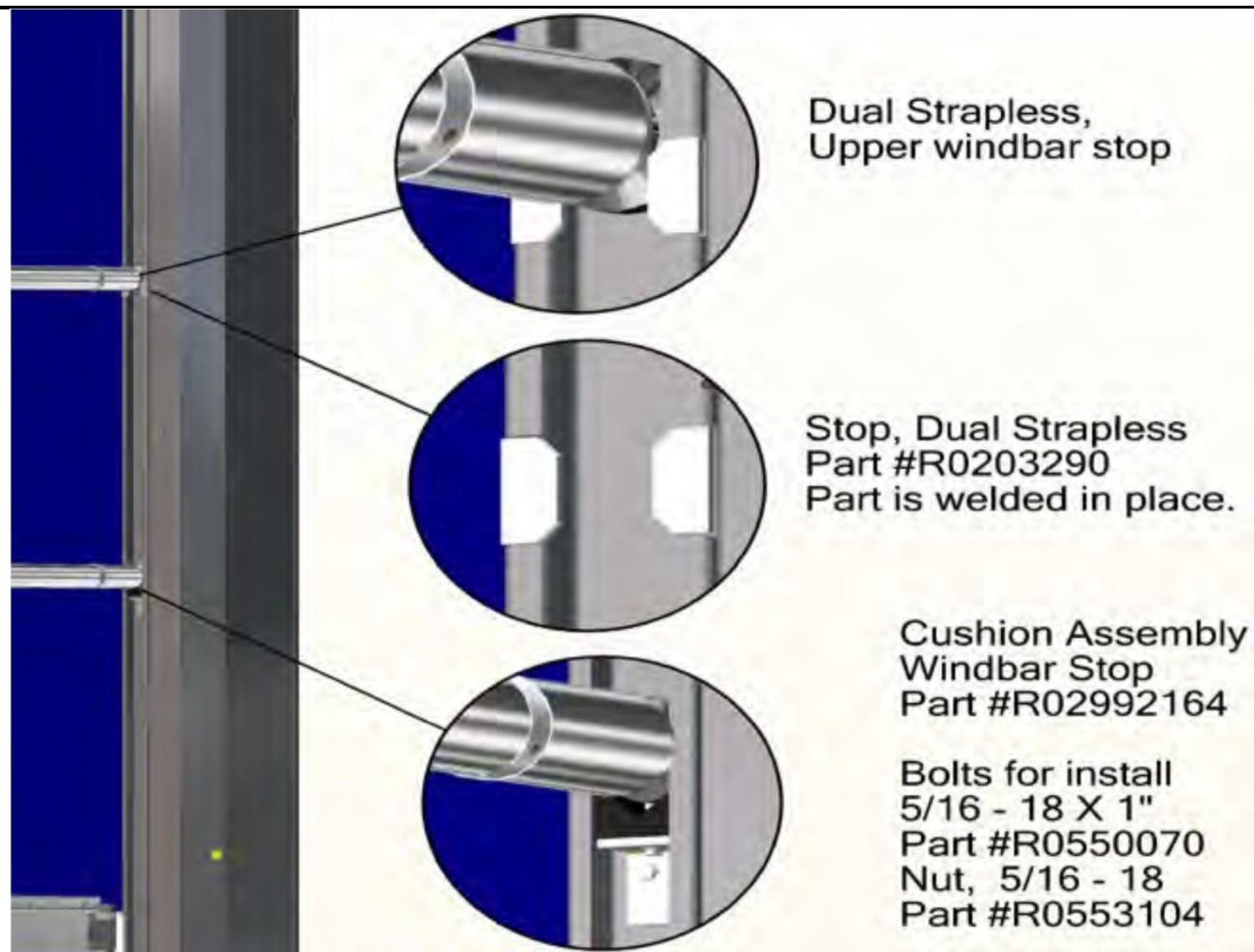


(Figure 2)

9. Reattach the bottom bar with the windbars raised up so they rest on the windbar brackets installed in step 7. Jog the door up to the 3/4 open position. Caution: Do not open completely, the open and close limits may require adjustment after completion of install.

10. Locate the mounting position of the top windbar stops (P/N R0203290) in the windbar guides, either in the existing notches or the notches cut earlier in step 1. Once located, weld the stops in place. (See Figure 3)

11. Locate the mounting position of the bottom windbar guide brackets by measuring up from the floor 1/3 of the total door height plus 10". Use the brackets as a template, drill two 5/16" mounting holes thru the back of the windbar guide. Mount the windbar guide brackets to the windbar guides using the 5/16" x 1" lg. screws (P/N R0550070) and 5/16" nuts (P/N R0553104). (See also Figure 3)



(Figure 3)

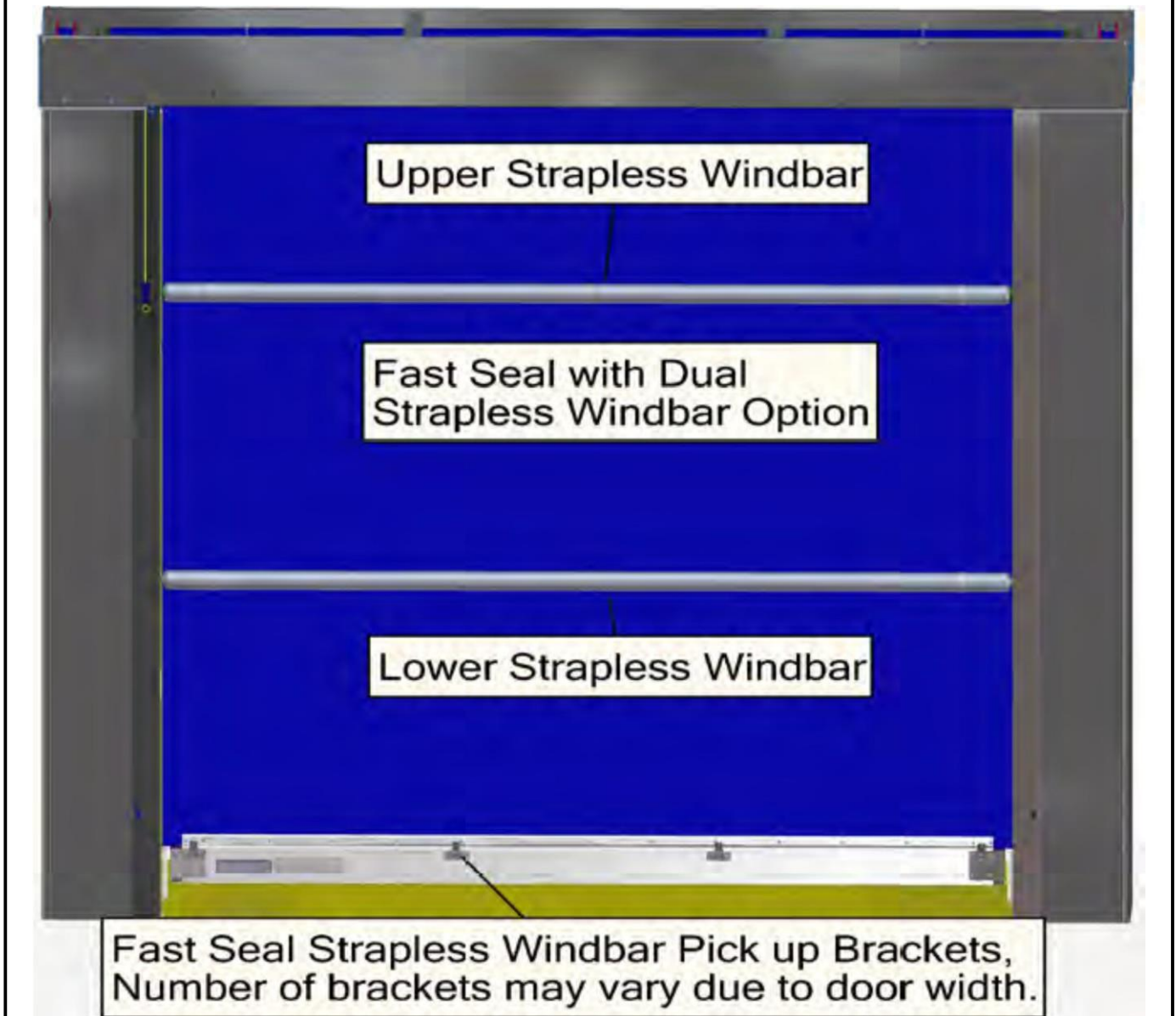
12. Insure all mounting hardware is tight. Jog the door down. The top windbar should stop at the windbar stops that were welded into the windbar guides at approximately 2/3 of the opening height. The bottom windbar should stop at the windbar guide brackets that were fastened to windbar guides at approximately 1/3 of the opening height.

13. Reattach the photo eyes in the windbar guides so the photo eyes are mounted toward the outside of the windbar guide to avoid being tripped by the windbar brackets attached to the bottom bar.

14. Make the following adjustments:

- a.) If necessary, adjust the open and close limits.
- b.) Check counterweight, tension and spring straps for proper adjustment and tension.
- c.) Adjust the upper spring plungers in the I brackets so that the plunger head contacts the bottom tension bracket.

15. Take the door back out of jog mode by pressing and holding the stop/reset button and down arrow at the same time for 3-5 seconds. Cycle the door a minimum of 30 times to ensure proper operation and tracking of the windbars. Check all welds and fastener connections. (Refer to Figure 4 for completed installation)



(Figure 4)