

Loewen Awning & Casement Retractable Screen: Service Instructions



These instructions contain important installation, finishing and homeowner information. Please keep them with the window until the homeowner removes them.

Loewen recommends reviewing the entire instructions and familiarize with the retractable screen parts prior to installation in order to ease the process of removal and installation. This supplement demonstrates how to remove head, sill, jamb moulding, reinstalling and assembly of screen canister as well how to adjust screen tension feature which is essential for proper installation of the retractable screen.

1.0: Table of Contents

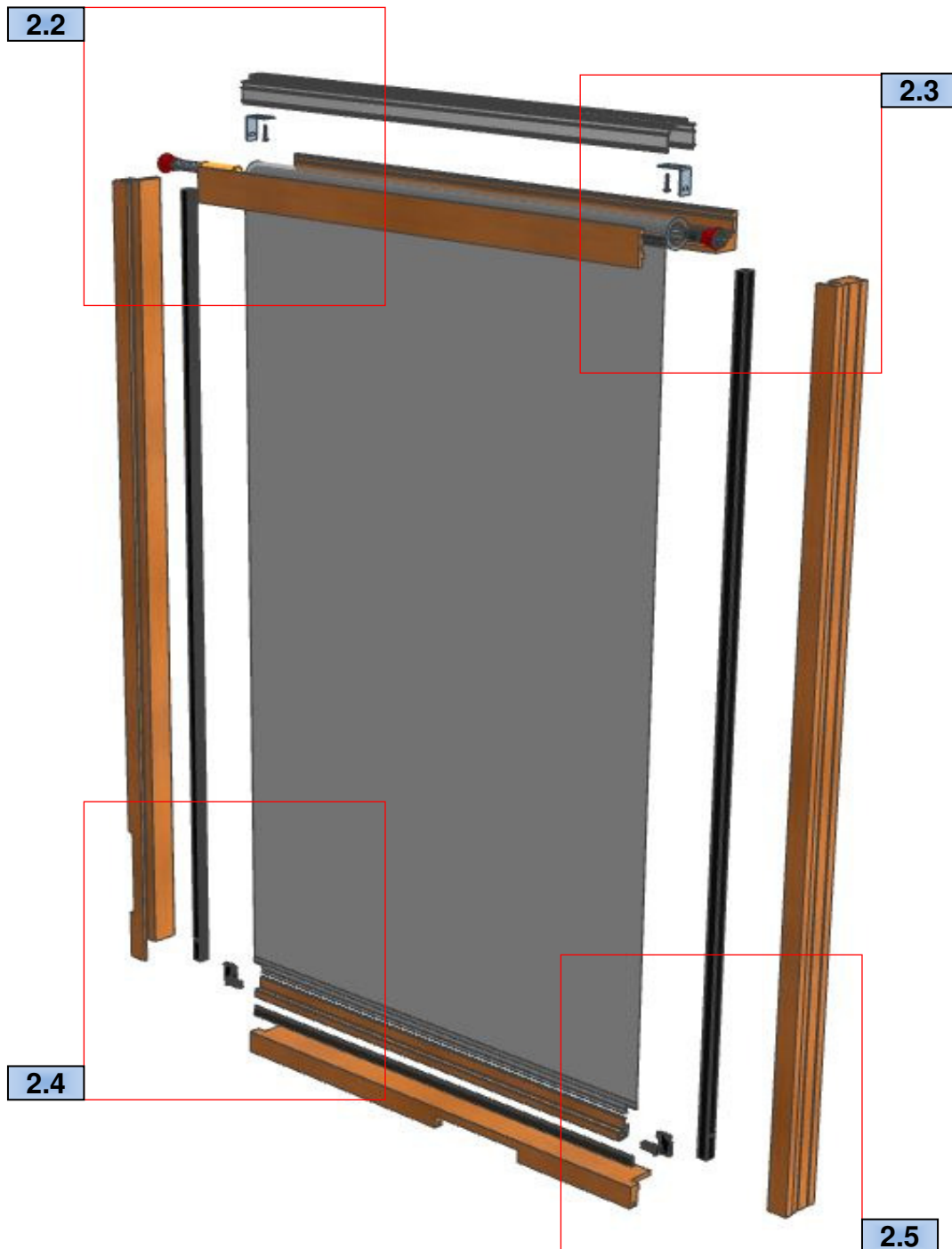
	Page
Table Contents.....	1
2.0 Standard Parts.....	2
2.1 Exploded View.....	2
2.2 Left Corner (Tension Side).....	3
2.3 Right Corner (Brake Side).....	3
2.4 Bottom Left Corner	3
2.5 Bottom Right Corner	3
2.6 Part Designations	3
3.0 Retractable Screen Moulding Removal.....	4
4.0 Retractable Screen Canister Assembly Removal	5
5.0 Retractable Screen Canister Assembly with Pull Bar.....	5
6.0 Retractable Screen Optional Pull Chord Assembly	6
7.0 Tensioner Length Adjustment	7
8.0 Retractable Screen Tension & Brake Kit Chart.....	8
9.0 Adjust Screen Tension.....	9
10.0 Reinstall Screen Canister Assembly	10
11.0 Operation of Retractable Screen.....	11

2.0: Standard Parts

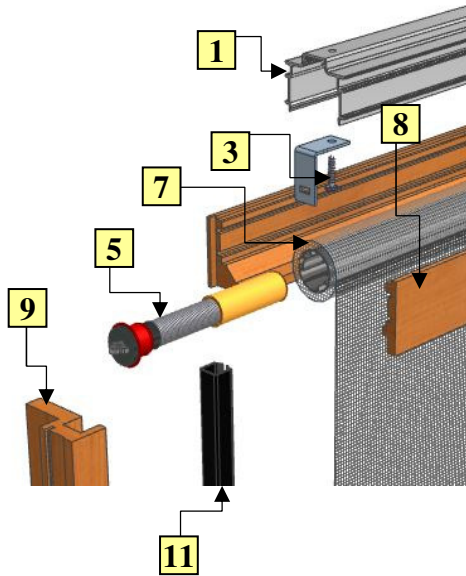


Important: Always practice safety! Wear the appropriate eye, ear and hand protection, especially when working with power tools.

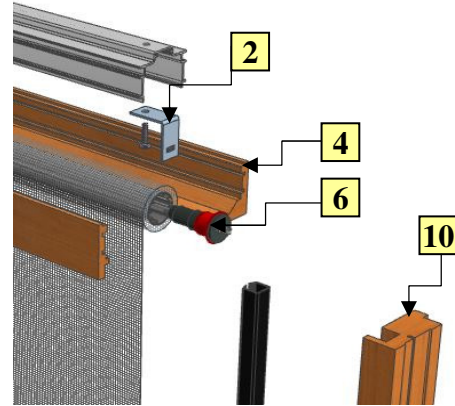
2.1 Exploded View



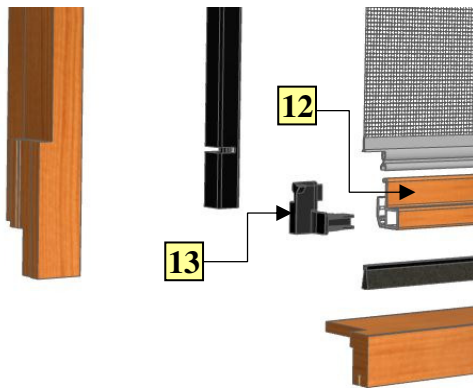
2.0: Standard Parts (Continuation)



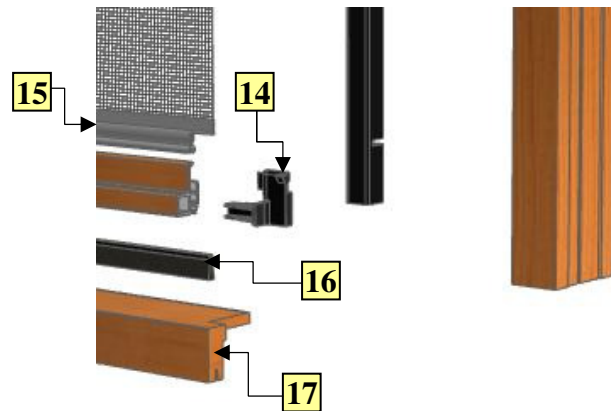
2.2 LEFT CORNER (Tension side)



2.3 RIGHT CORNER (Brake side)



2.4 BOTTOM LEFT CORNER



2.5 BOTTOM RIGHT CORNER

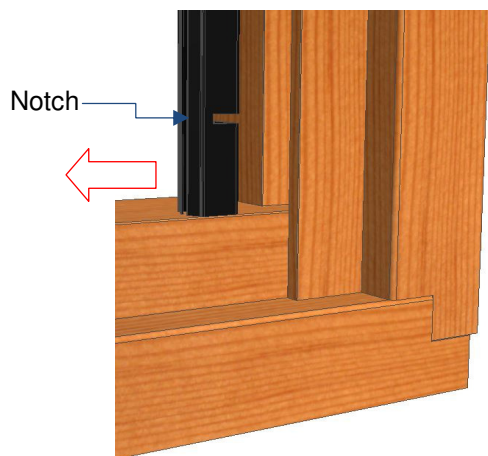
2.6 PART DESIGNATIONS

- | | |
|--|--|
| 1. Retractable Screen Head Track | 10. Jamb Moulding – Hinge Side |
| 2. Retractable Screen Bracket | 11. Retractable Screen Jamb Moulding Liner (LH & RH) |
| 3. No. 8 x 3/4" Pan Head Screw | 12. Pull Bar |
| 4. Retractable Screen Cover – Exterior | 13. Pull Bar End Cap – LH |
| 5. Tensioner | 14. Pull Bar End Cap – RH |
| 6. Screen Brake | 15. Screen Cloth Tab |
| 7. Screen Roll | 16. Retractable Screen Weatherstrip |
| 8. Retractable Screen Cover – Interior | 17. Sill Cover |
| 9. Jamb Moulding – Lock Side | |

3.0: Retractable Screen Moulding Removal

Follow these instructions to remove the head, sill & jamb moulding on a retractable screen for awning & casement.

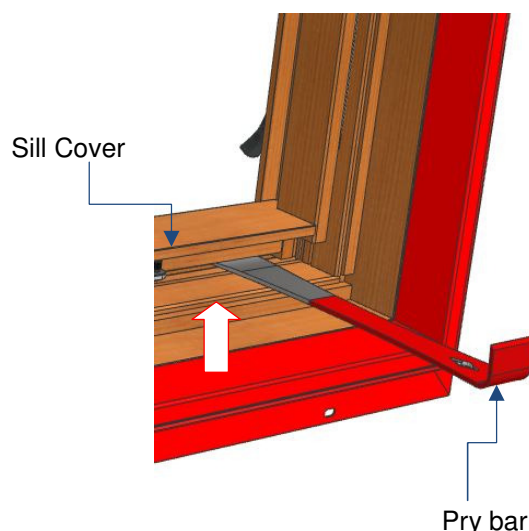
3.1 Jamb Moulding Liner Removal – Lightly pull loose the bottom end of the liner and remove. Repeat opposing side jamb.



Interior side

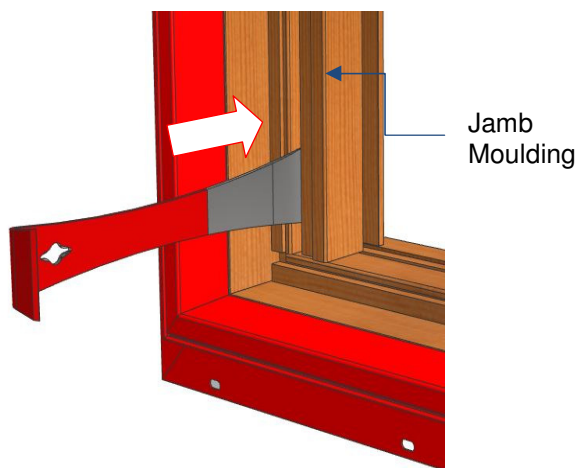
Note: Liner has notch at bottom end.

3.2 Sill Moulding Removal – From the exterior side of the unit, place pry bar between frame and sill cover and pry upwards gently.



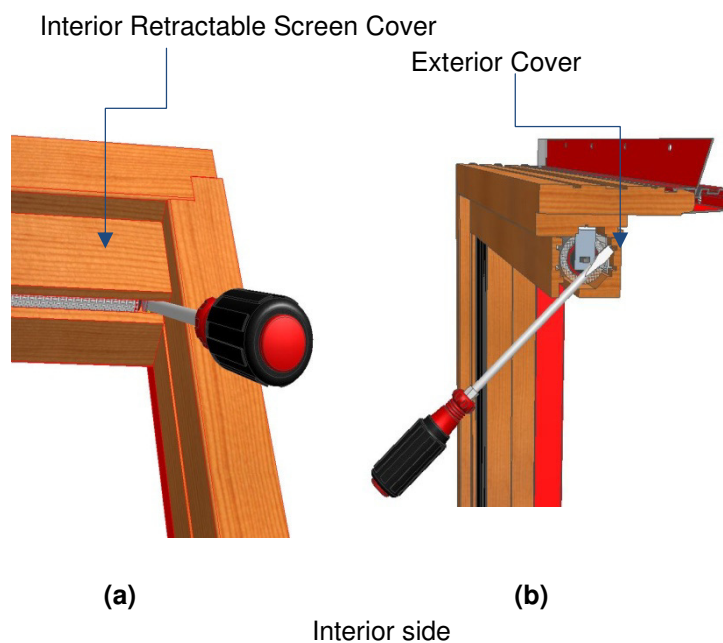
Exterior side

3.3 Jamb Moulding Removal – From the exterior side of the unit, starting at the bottom moving and upwards, lightly pry loose the jamb moulding and remove. Repeat the process on the opposing side jamb.



Exterior side

3.4 Screen Cover Removal – (a) From the interior side of the unit, push out the top corner of the exterior cover. (b) Jamb is shown removed for illustration purposes only.



(a)

(b)

Interior side

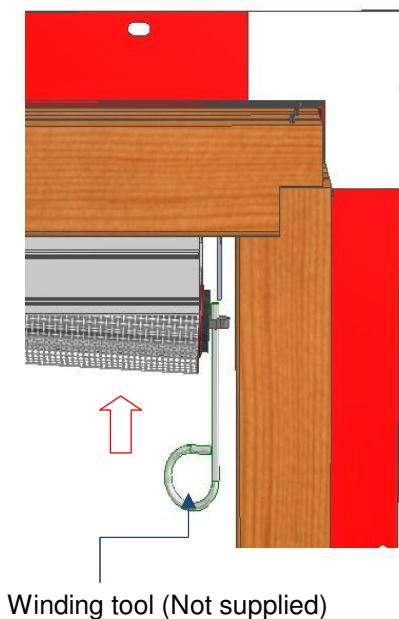
4.0: Screen Canister Assembly Removal



Important: Please use eye protection when removing and installing your screen. Screen roll assembly is under great tension. Follow equipment manufacturer's instruction for safe operation.

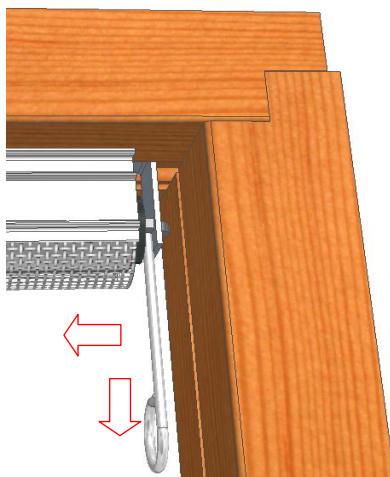
The retractable screen cover interior is shown isolated for illustration purposes only. Removal of the interior retractable screen cover is not required to service the screen.

4.1 Using a 9 Ga. wire (Not supplied) as a winding tool. Insert winding tool into hole in screen canister tab.



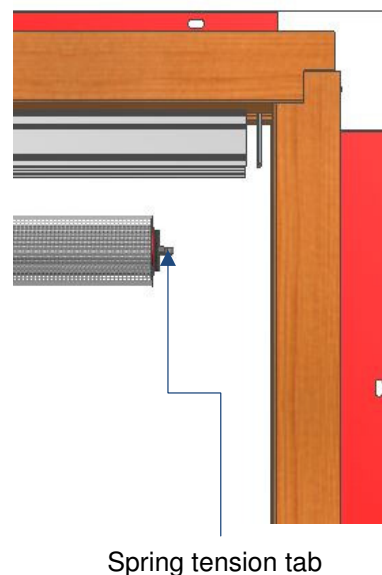
Interior side

4.2 Using a winding tool, push the spring loaded screen tab inwards until it clears the bracket, then pull the canister downwards. Manually release the tension in the spring by rotating tool counterclockwise.



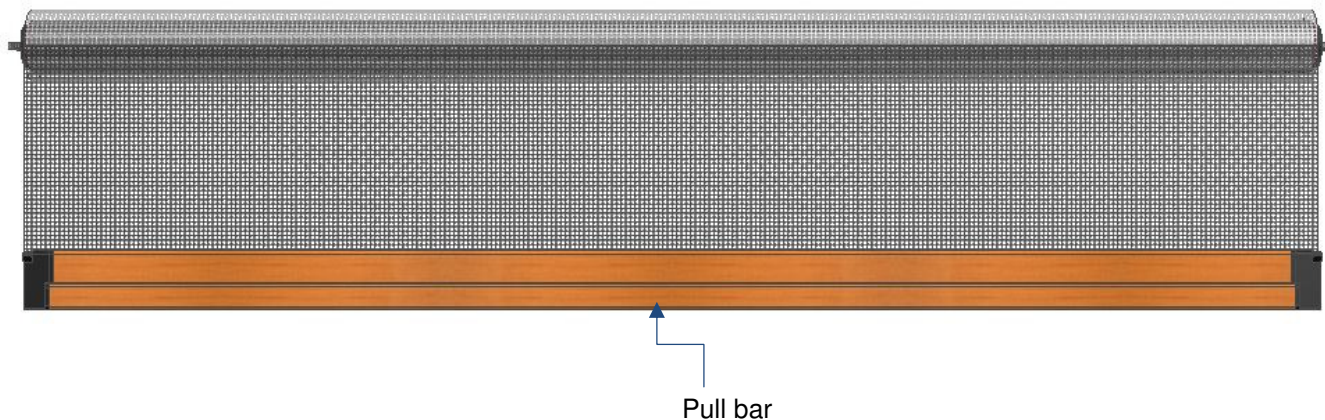
Interior side

4.3 Remove opposing tab from bracket and remove screen canister.



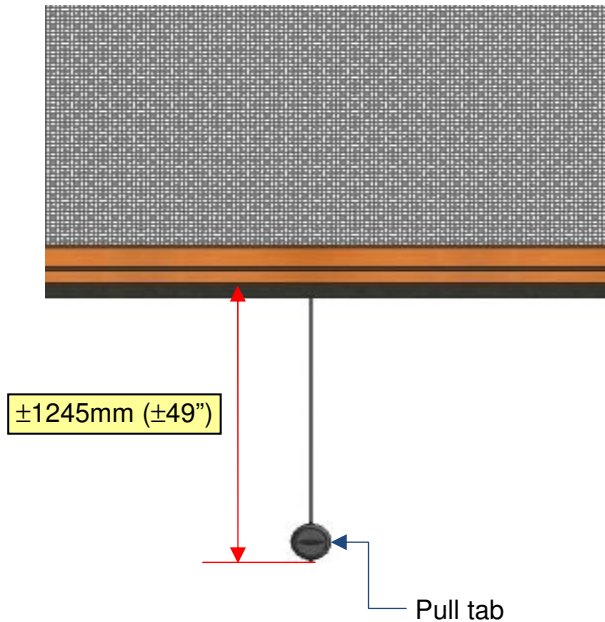
Interior side

5.0: Screen Canister Assembly with Pull Bar:

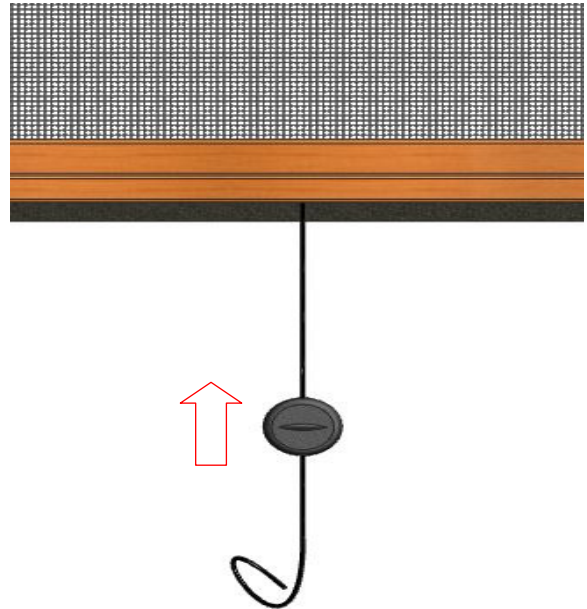


6.0: Optional Pull Chord Length Adjustment

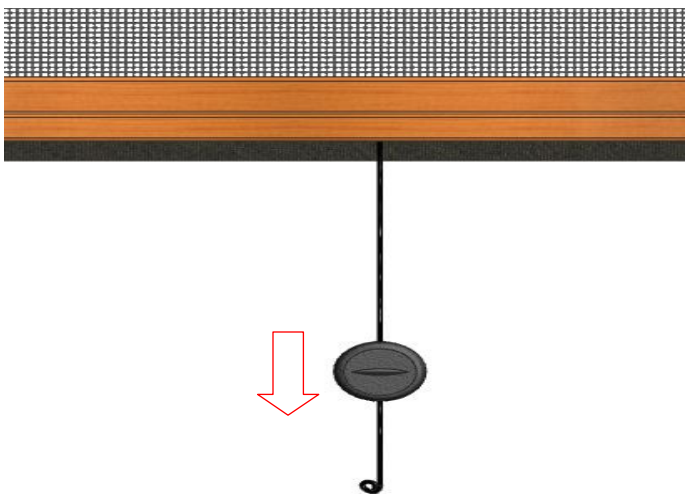
6.1 The optional pull chord is supplied at $\pm 1245\text{mm}$ ($\pm 49"$) long.



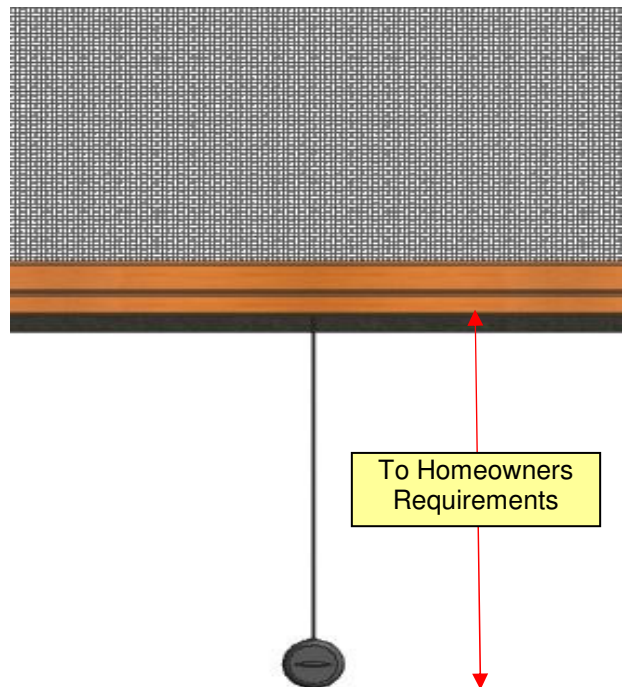
6.2 Move pull tab upwards on the string. Tie the knot at desired length.



6.3 Move, pull tab downwards to seat on the new knot.



6.4 Finish, as per homeowners requirement.



7.0: Tensioner Length Adjustment

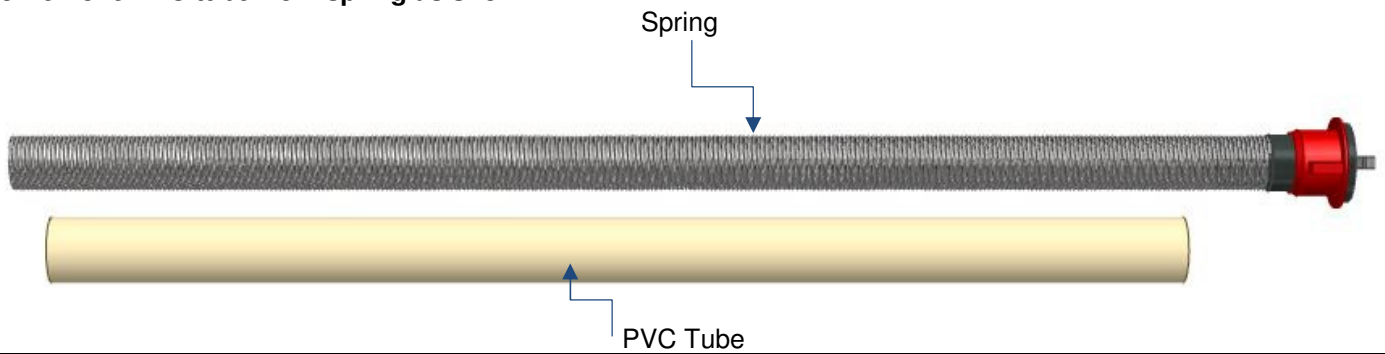
7.1 Tensioner Assembly



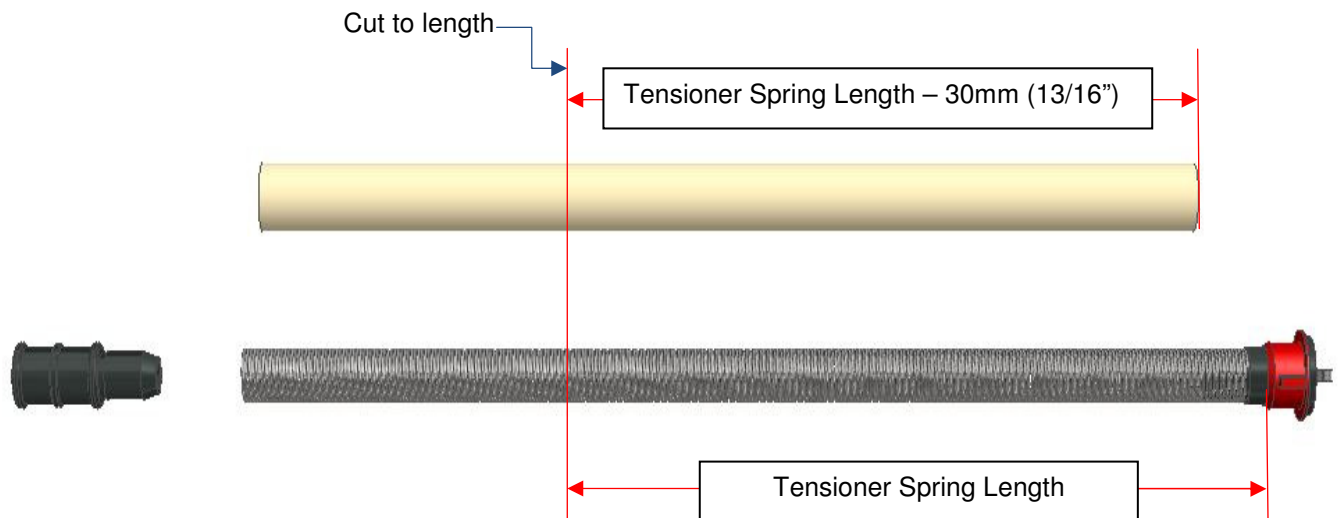
7.2 Remove Tensioner End



7.3 Remove PVC tube from spring as shown



7.4 Tensioner Adjustment Cut PVC tube and spring to length base on Chart 8.0 on page 8



8.0: Screen Tension and Brake Kit Chart:

Retractable Screen Size Limitations (all A/C Products)

		Unit Width																		
Unit Size		400-449	450-474	475-499	500 - 599	600 - 699	700 - 749	750 - 799	800 - 899	900 - 1000	1000 - 1199	1200 - 1399	1400 - 1499	1500 - 1599	1600 - 1699	1700 - 1799	1800			
Unit Height	350 - 399	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30	70.5"	Screen Drop Length	
	400 - 499	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	500 - 599	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	600 - 699	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	700 - 799	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	800 - 899	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	900 - 999	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	1000 - 1099	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	1100 - 1199	3	3	3	7	13	16	20	20	21	21	22	23	24	25	28	30			
	1200 - 1299	3	3	3	7	13	16	19	19	20	20	21	22	23	24	27	28			
	1300 - 1399	3	3	3	7	13	16	19	19	20	20	21	22	23	24	27	28			
	1400 - 1499	3	3	3	7	13	16	19	19	20	20	21	22	23	24	27	28			
	1500 - 1600	3	3	3	7	13	16	19	19	20	20	21	22	23	24	27	28			
	1601 - 1700	n/a	3	3	3 (^)	13	16	19	19	20	20	21	22	23	24	27	28			
	1701 - 1800	n/a	3	3	3 (^)	13	16	19	19	20	20	21	22	23	24	27	28			
	Unit Height	1801 - 1900	n/a	n/a	2	2 (^)	13	15	18	18	19	19	20	21	22	23	25	26		92"
1901 - 2000		n/a	n/a	2	2 (^)	13	15	18	18	19	19	20	21	22	23	25	26			
2001 - 2100		n/a	n/a	2	2 (^)	13	15	18	18	19	19	20	21	22	23	25	26			
		8 *	9 1/4*	10 *	8 (10")	11.5	14	16												
		Tensioner Spring Length (inches)																		

70.5"
Screen Drop Length

92"

Notes:

- The size limitations on this chart are strictly for the Retractable Screen and do not apply to the limitations, or availability, of any Awning or Casement unit.

• - No Brake available on this width of unit

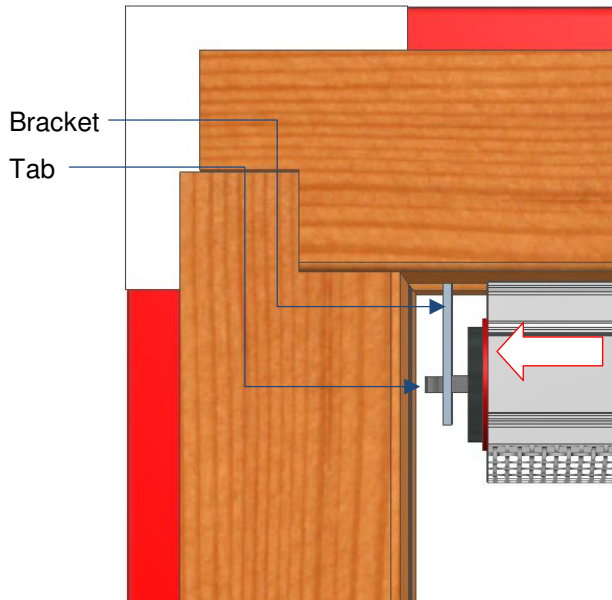
(^)- Units can only be built with 10" Tensioner Spring and NO Brake

2 - 30 - The number in each square represent the number of rotations required to wind the Tensioner spring

n/a - Retractable Screen is Not Available on this size of unit

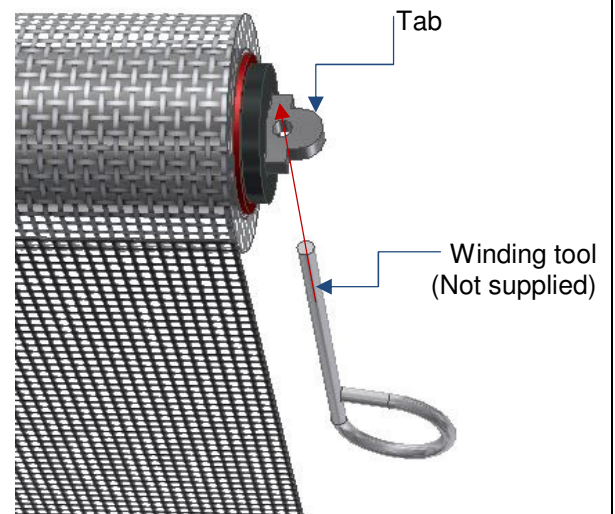
9.0: Adjust Screen Tension:

(9.1)



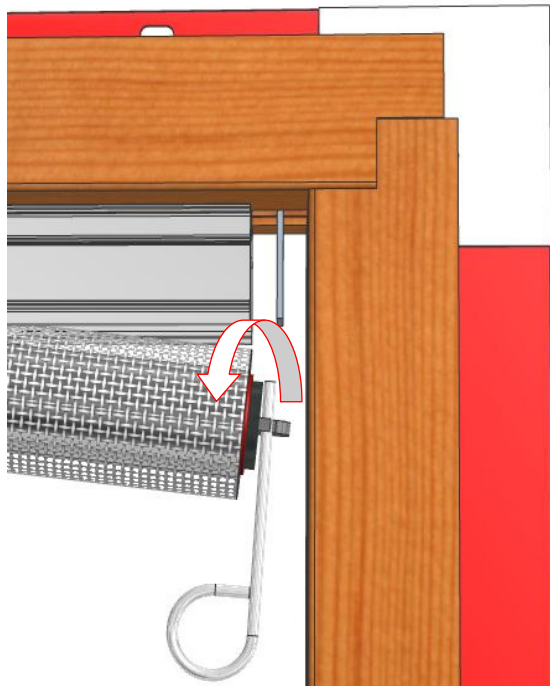
Interior side (Brake side)

(9.2)



Tension side

(9.3)

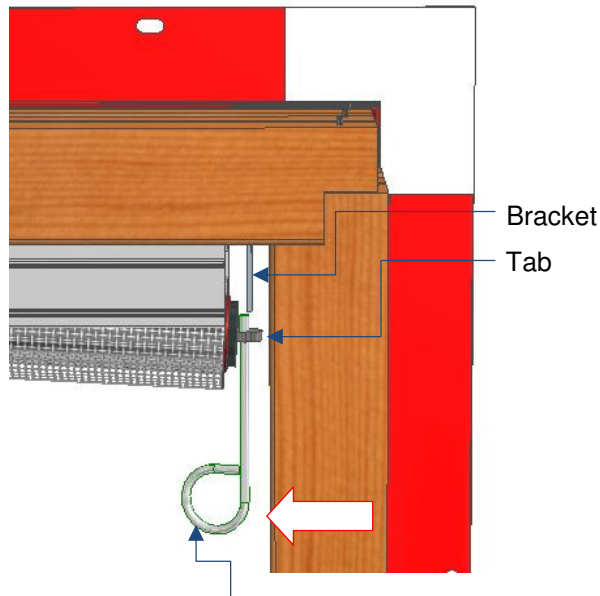


Interior side

- 9.1** Insert screen tab (brake side) into bracket.
- 9.2** Insert winding tool into tab on opposing (spring tension) side.
- 9.3** Wind spring clockwise as per screen tension Chart 8.0 requirements on page 8. Hold onto tool tightly while winding.

10.0: Re-install Screen Canister Assembly:

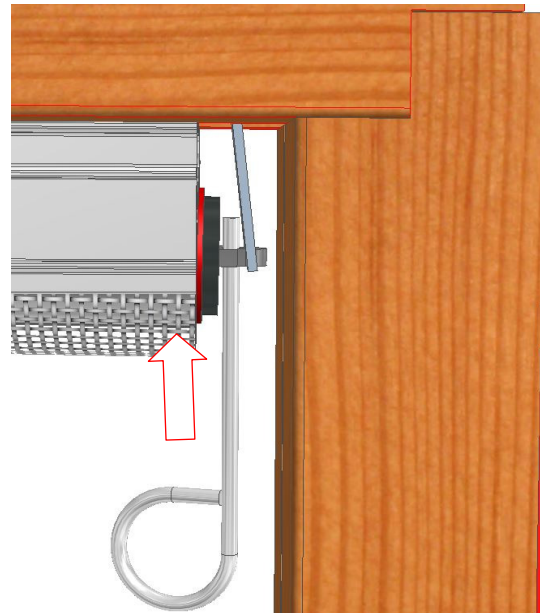
(10.1)



Winding Tool (Not supplied)

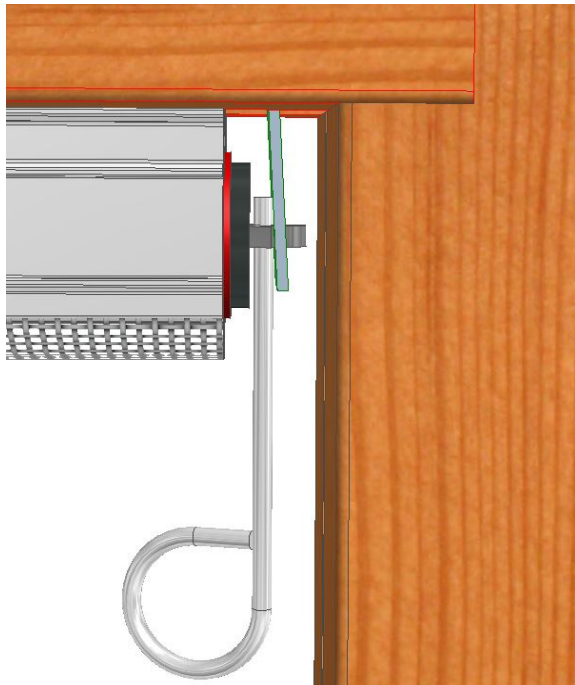
Interior side (Tension side)

(10.2)



Interior side

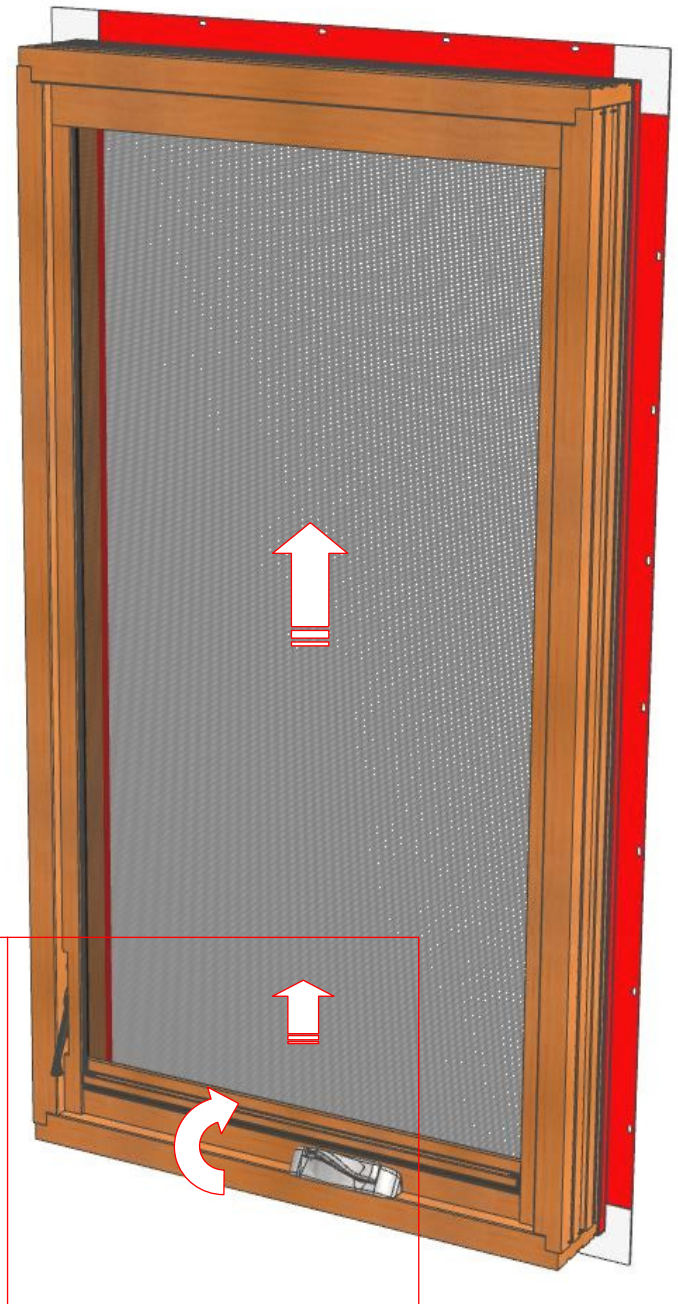
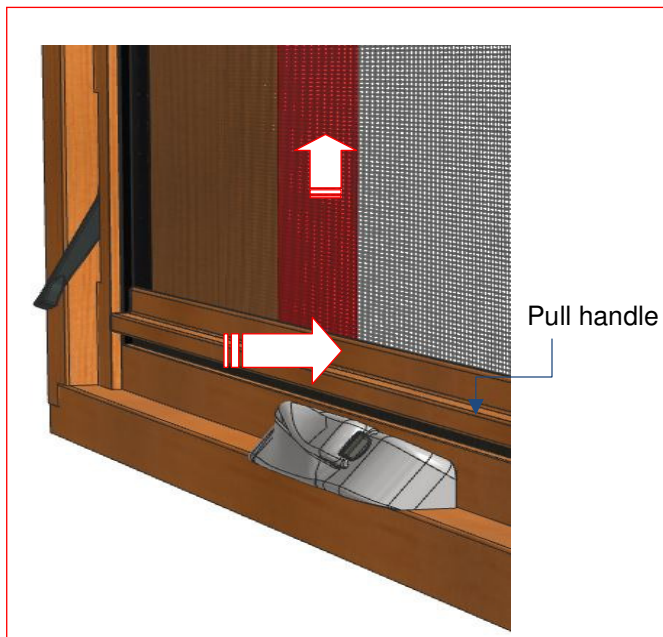
(10.3)



Interior side

- 10.1** Push tab inwards to clear slot in bracket. Insert screen tab (tension side) into open slot in bracket.
- 10.2** Moving upwards remove winding tool. Screen installed correctly.
- 10.3** Install all mouldings in reverse order. See instructions 3.1, 3.2, 3.3, 3.4 for details.
- 10.4** Pull down screen to test and release repeat several times.
- 10.5** The internal lock mechanism will automatically catch once the roller screen is fully extended.

11.0: Operation of Retractable Screen :



Interior View

Note: To retract the screen, nudge the Pull Handle inwards slightly to release the lock.