Easy. Spring *Plus*

CORDLESS SHADE SYSTEM
by Rollease Acmeda

Cordless Roller Roman Shade
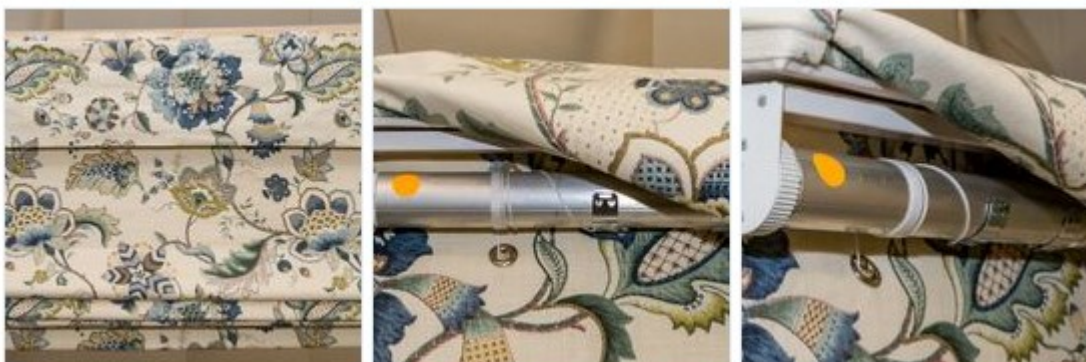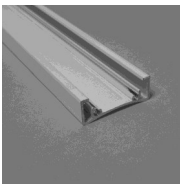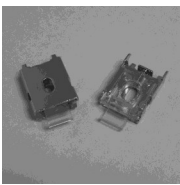### *with Easy Spring Plus*

Fabrication Instructions

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ROLLEASE
ACMEDA
PRECISION IN MOTION

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![Easy Spring Plus logo](Easy. Spring Plus CORDLESS SHADE SYSTEM by Rollease Acmeda)

Easy Spring Plus Components

Qty Needed	Item	Rollease Acmeda Part #	
1	Headrail	RE0080110 16' white sold 12 ea	
Varies depending on width of shade (max 18" between brackets)	Mounting Brackets	RE0080200	
1	Left Side Spring 1-1/2" (38mm)	RE0080400 1.2 x 300mm RE0080500 1.5 x 450mm RE0084400 1.7 x 550mm Sold 25 ea	
1	Right Side Stop 1-1/2" (38mm)	RE0084810 - 1-1/2" short sold 25 ea	
2	Bracket W/ Adjuster Wheel 1-1/2"(38mm)	RE0080710- 1-1/2" All Brackets are white - sold as ea	
1	Tube 1.5"diameter	RTEA4T12 -1.5 X 12' RTEA4T16 - 1.5 X 16'	
1	Pre-Rotation Tool	RE0084200 1.5" (38mm) sold as ea	

Note: 38mm components are shown in these instructions on Roller Roman shades due to their weight. 32mm are not recommended.

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Qty Needed	Item	Rollease Acmeda Part #	
1	Lift Cord 1.2mm or your preferance	V2LC100 1.2mm white V2LC305 1.2mm sand V2LC885 1.2mm bronze sold in 1000 yard/roll	
CHILD SAFETY PRODUCT 1 set for each row A short stack is used with each Ring AND with each Level Lock in place of an Orb.	1 Short Stack & Forever Ring per ROW per COLUMN 1 Short Stack and Level Lock PER COLUMN - in place of an Orb	**STSFR** Forever Ring 1000 ea **STSRL** Short Stack **1.4mm** 1000 ea **STSRL09** Short Stack .**9mm** 1000 ea **STSLLILP** Level Lock 100 ea	Level Lock Short Stack Forever Ring
Varies depending on size of tube (5 lbs per lift cord max)	Roller Roman Tube Clips	RRTC15 1-1/2"	
1	Pull ring	Not provided	
1	Your Roman shade, assembled	Not provided	
1	Your covered dustboard	Not provided	

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Aluminum Tube

Single Adjuster Wheel Bracket

Mounting Bracket

Head Rail

Stop

Spring

A TUBE AND TUBE CLIPS NEEDS TO BE ADDED TO THIS DRAWING
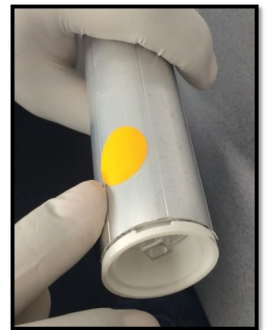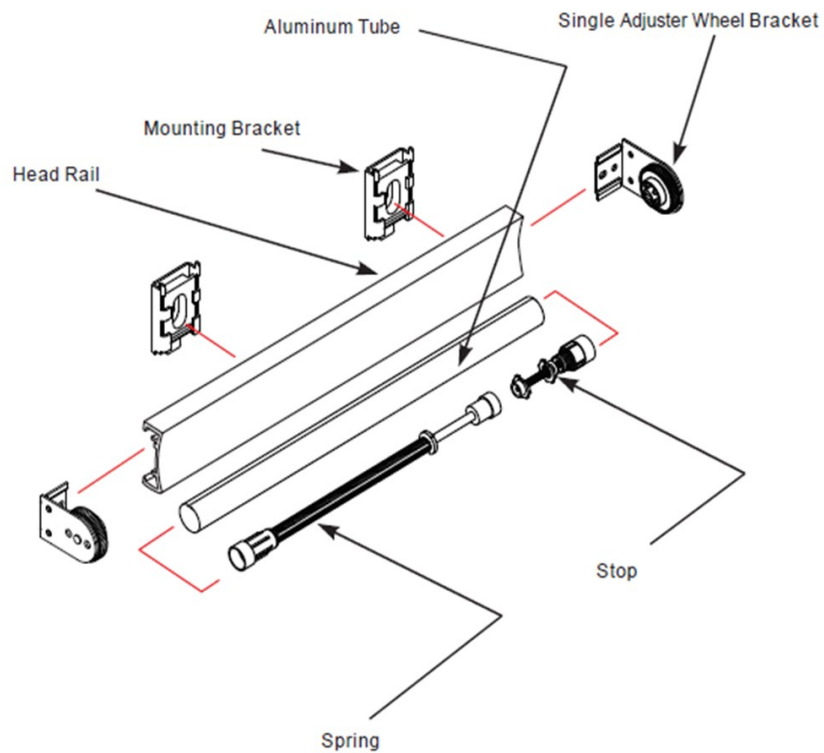
Note: Position of spring and stop depends on type of Roman shade you're making. When assembling your shade, use a sticker or similar to mark spring side for later reference.

Waterfall Shade (with fabric dropping off the front of the dustboard)

If you're facing **BACK** of shade as shown below, Spring will be on your LEFT and Stop will be on your RIGHT.

Standard Shade with Grommets (with fabric dropping off the back of the dustboard)

If you're facing **FRONT** of shade as shown below, Spring will be on your LEFT (see sticker) and stop will be on your RIGHT.

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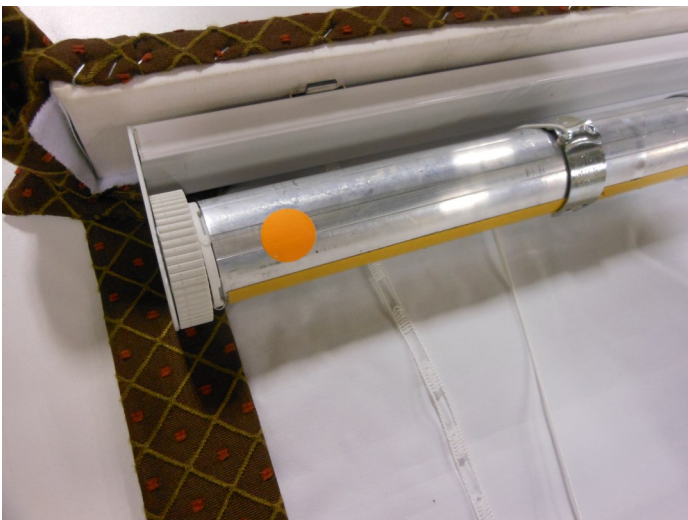
Tools Required

1. Tape measure (with 16th increments)
2. Scissors
3. Screw gun
4. Metal saw (for cutting rail and tube)

Deductions

Step 1. Determine Size of Dustboard

Step 2. **Cut headrail 1" smaller than dustboard**
(leaving 1/2" on each side of dust board. See diagram below)

Step 3. **Cut Tube 1-3/8" smaller than headrail**
(leaving 11/16" on each side of headrail. See diagram below)

Diagram
Example – 40" Shade

Dustboard – 40"

Headrail – 39"

Tube - 37 5/8"
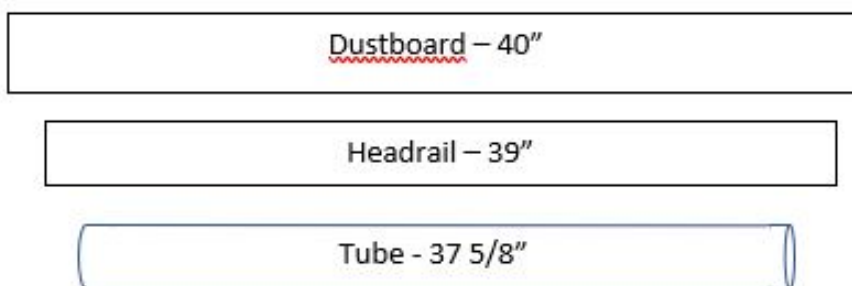
To Begin:

1. Make sure you have a clean working area.
2. Lay all parts on fabrication table.
3. Assemble Roman shade panel with lift cord (per your usual method).
4. Use 1"x 3" or 1"x 2" true covered dust board (per usual method).

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5. Select spring based on dustboard width and shade weight.

Note: When choosing a spring, pick the longest spring that will fit in the tube as long as the shade weight does not exceed the max shade weight in the chart below. (shade weight does not include dustboard and tube system)

Any of these Springs may be cut down to accommodate smaller width shades that may need stronger capacity. See instructions on how to cut down springs on our website.
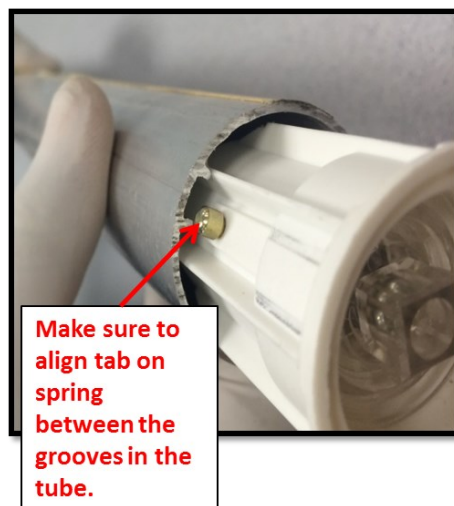
Spring	Spring size	Stopper Size	Max Shade Weight	Min Tube Width	Min Headrail Width	Min Dustboard Width
1.1mmX180mm	7.08"	3.9"	3lbs	13.5	14.875"	15.875"
1.2mmX300mm	19-3/8"	3.9"	6 lbs	25-7/8"	27-7/16"	27-15/16"
1.5mmX450mm	26"	3.9"	9 lbs	32-1/2"	34-1/16"	34-9/16"
1.7mmX550mm	30"	3.9"	12 lbs	36-5/8"	38-3/16"	38-11/16"

6. Insert Spring into tube
(see page 4 for orientation depending on shade style)

Make sure to align tab on spring between the grooves in the tube.

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Setting the Stop Plate

On a Cordless Roller Roman Shade system, It is necessary to set the stop plate (move the stop plate away from the stop spring) before inserting it into the tube. This will allow you to be able to set the upper stop position of the shade. (Skipping this step will cause the shade to stick at the bottom and not raise.)

7. To set this quickly and adjust later:

   Set the stop plate on the shade stop by rotating it half way from the stop spring.

   To set this more accurately now:

   Use the chart below to set the stop according to the height of the shade.

Shade Height (Inches)	Plate Revolutions	Distance from Spring (X)
5	1	1/16"
9	2	1/8"
14	3	1/8"
19	4	3/16"
24	5	3/16"
28	6	1/4"
33	7	3/8"
38	8	3/8"
42	9	7/16"
47	10	1/2"
52	11	1/2"
56	12	9/16"
61	13	5/8"
66	14	11/16"
71	15	3/4"
75	16	3/4"
80	17	7/8"
85	18	7/8"
89	19	15/16"
94	20	1"
96	21	1"

Rotate stop plate away from stop spring

Measurement

X
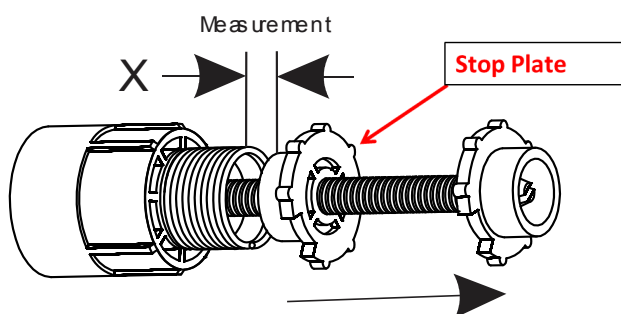
Stop Plate

Below shows stop plate half way from stop spring

Stop Plate
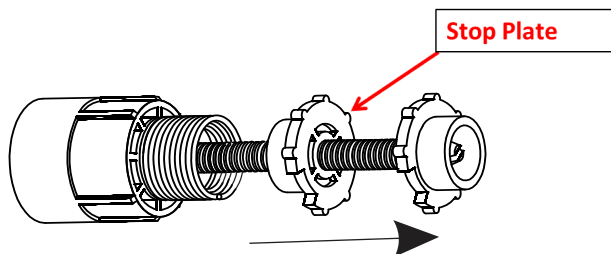
Note: Fractional distances are approximate

8. Insert the Stop

(opposite side from spring)

Make sure to align grooves in the stop with grooves in the tube.
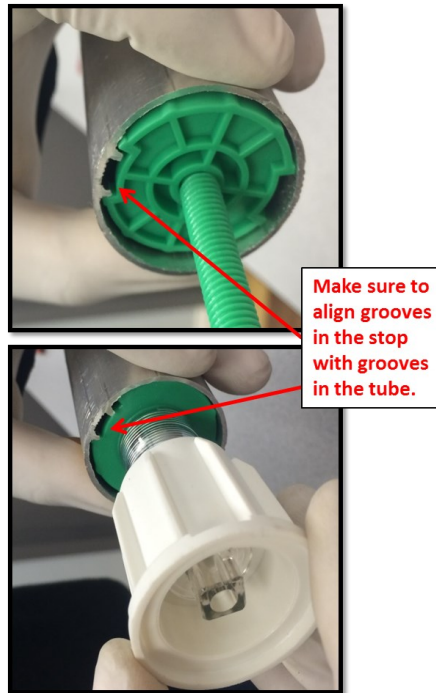
9. Determine number of pre-rotations needed, then pre-rotate the Spring.

The number of spring pre-rotations are determined by the length and weight of the shade. Refer to the Pre-rotation Charts **(next page)** and follow the steps below:

In the "**Pre-rotations by Shade Length**" chart, find the LENGTH of your shade on the left side axis. Then move horizontally across to the plotted line, and then vertically down to the bottom axis to find the number of pre-rotations required for your shade's LENGTH.

Next In the "**Pre-rotations by Shade Weight**" chart, find the WEIGHT of your shade on the left side axis. Then move horizontally across to the plotted line, and then vertically down to the bottom axis to find the number of pre-rotations required for your shade's WEIGHT.

Add the total from both charts together for the total number of pre-rotations. The total cannot exceed 50 pre-rotations.

Using the pre-rotation tool, rotate the spring **clockwise** to set the tension. Before removing handle, rotate the handle 1/4 turn backwards to set the lock. Roller tube must be horizontal for lock to work properly.
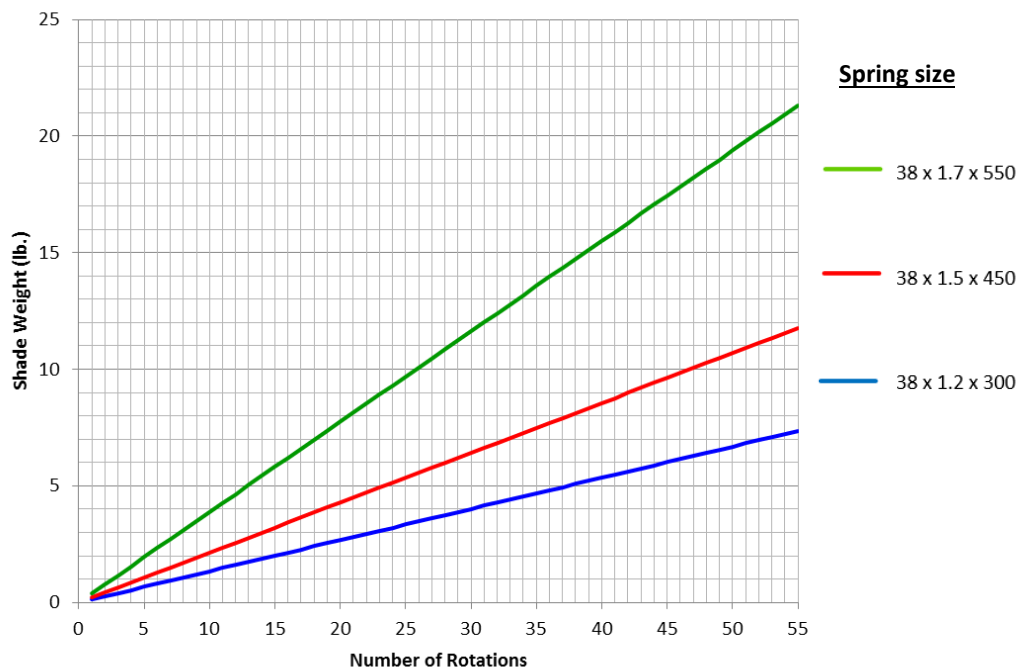
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Pre-Rotations for Shade LENGTH
1 1/2 in. (38 mm) Tube
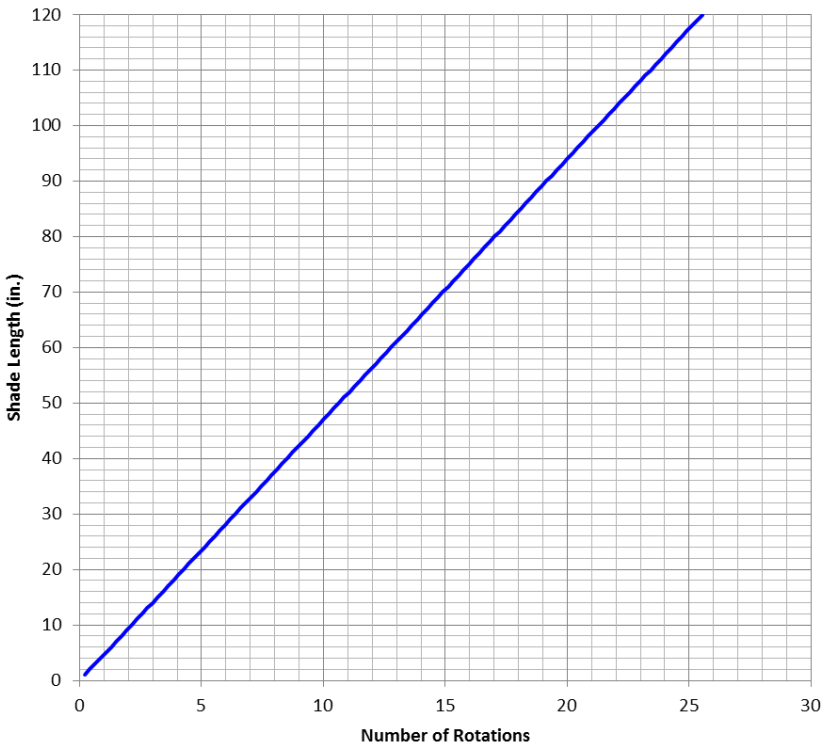
Pre-Rotations for Shade WEIGHT
1 1/2 in. (38 mm) Tube

Spring size

— 38 x 1.7 x 550

— 38 x 1.5 x 450

— 38 x 1.2 x 300

ADD

Total Pre-Rotations from LENGTH Chart

+ Total Pre-Rotations from WEIGHT Chart

**= Total Pre-Rotations Required (Total may NOT exceed 50)**

OR
You may give a smaller shade 35 rotations and larger shades 45 rotations. This should over-tension your shade and you may adjust by taking tension away (see page 14). This is the easiest way to adjust your shade speed.

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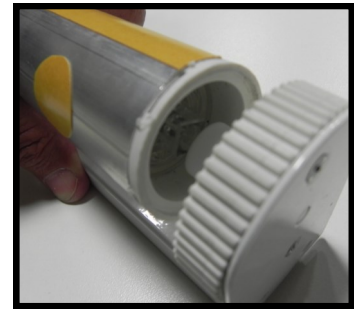**10. Insert spring end bracket into headrail and use screws provided to secure in place.**

Screws should align with grooves on inside of headrail.
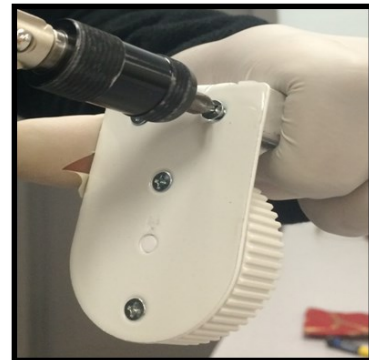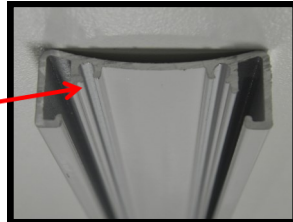
A

**11. Insert spring end of tube into bracket with adjuster wheel.**

B

12. Install stop end bracket on the opposite end into head rail. Align adjuster wheel with end of stopper and secure bracket with screws provided.

C

13. With shade attached to mounting board, lay shade flat, back side facing up. Bring lift cords up through rings (preferably with Ring Locks attached), then between back of shade and tube, and over top of tube. Feed lift cord through top of clip and tie with knot on underside of clip so it can't pull through the hole. ALWAYS USE THE SMALLEST HOLE ON THE TUBE CLIP (AS SHOWN IN ILLUS D) AND THAT HOLE SHOULD BE CLOSEST TO YOUR CORD LIFT COLUMN (AS SHOWN IN ILLUS E)
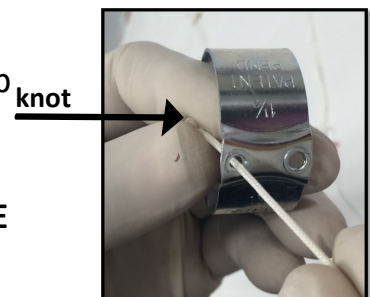
knot

D

14. Attach cord clips to tube with cord knot on side nearest vertical cord lift line. *(see next page for clip alignment)*
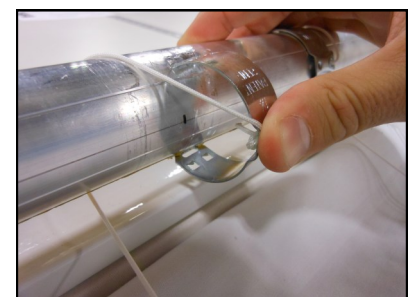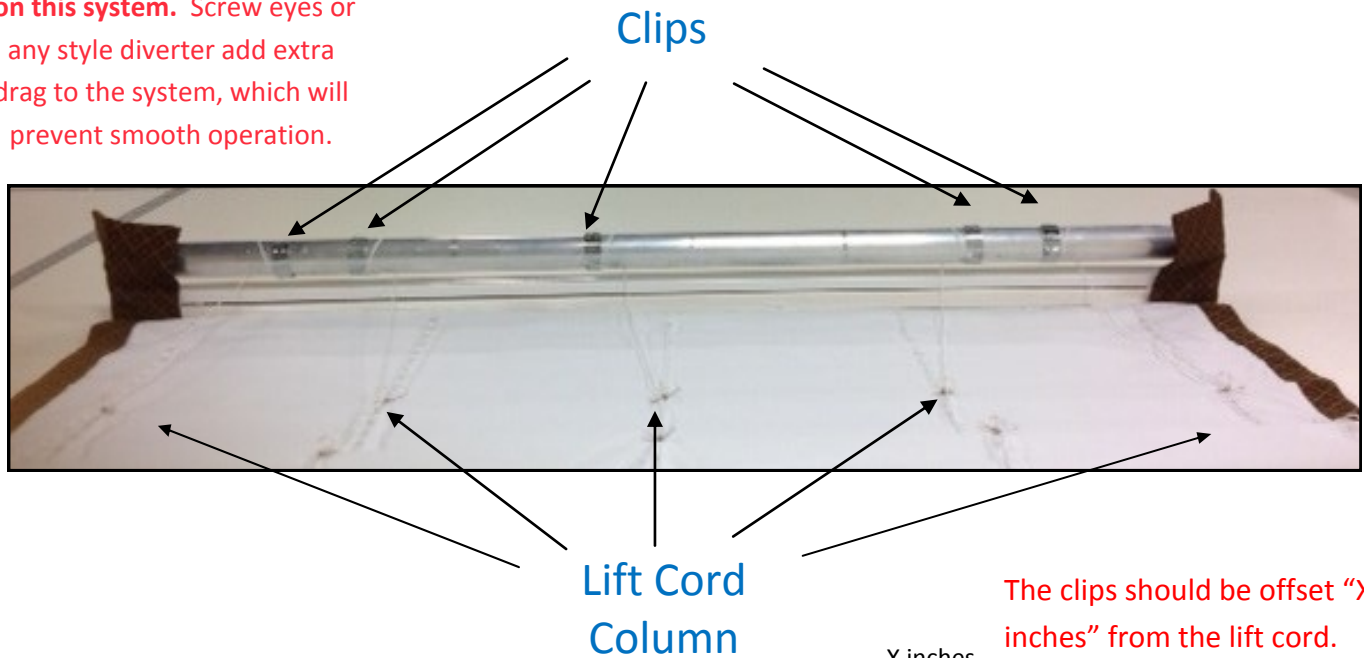
E

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Clip Alignment: Clips should be spaced evenly alternating sides of lift cords. <u>Always use an uneven amount of clips</u>, then place the middle clip to the left or right of middle lift cord. A center cord is needed for the attachment of the pull ring.

NOTE: **Do not use screw eyes on this system.** Screw eyes or any style diverter add extra drag to the system, which will prevent smooth operation.

Clips

Lift Cord Column

The clips should be offset "X inches" from the lift cord. **SEE CLIP OFFSET CHART**

X inches

CLIP OFFSET CHART

Shade Length	Clip Offset From Column
up to 30"	1" Offset
30" to 60"	2" Offset
60" +	3" Offset
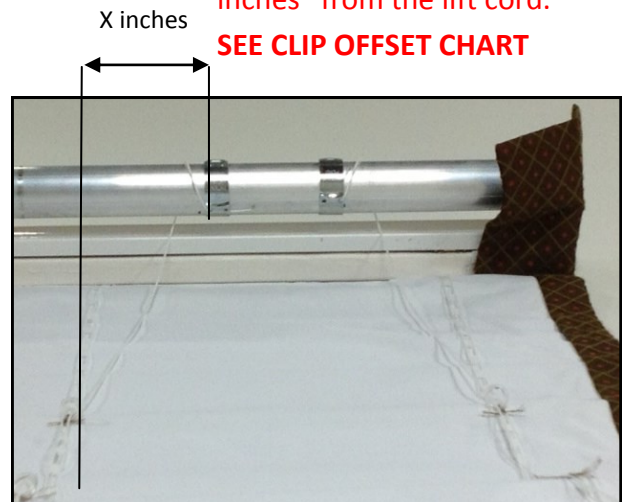
15. Clips should be spaced evenly using the Clip Offset Chart as a guide for spacing. Shade should be fully extended during attachment. Cord should come between tube and headrail and over top of tube for attachment. Center tube clip may go either to the right or left of the center lift cord column.

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16. Evenly space the brackets on the center of the dust board one every 18". Keep brackets in a straight line and perpendicular to the sides of the dust board. The clear plastic tab faces the rear of the shade.
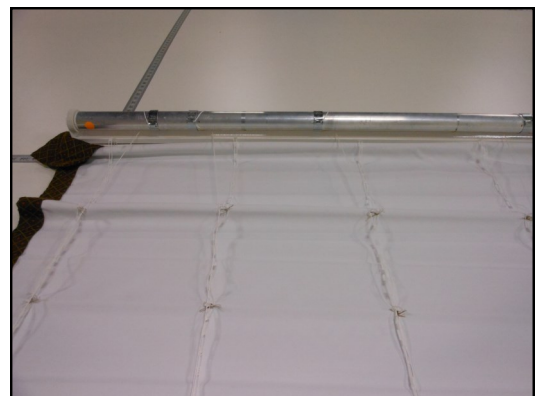
Rear of Shade

17. Snap the head rail into the mounting brackets.

18. Attach valance per usual method.

19. Completed shade. Visually check to make sure that the spring marker is on the correct side of the shade for the model that you are making. (See page 3)
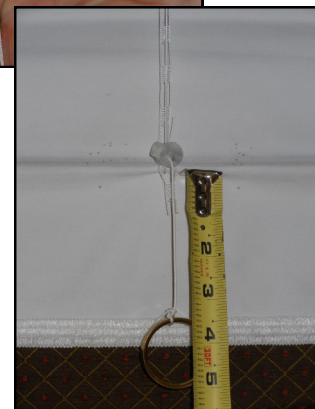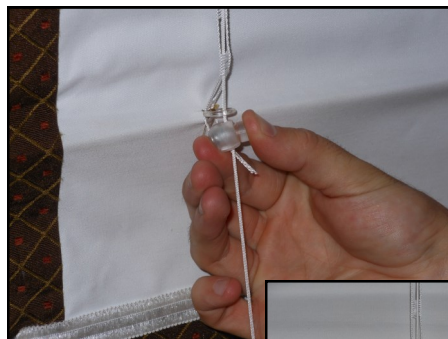
Adjusting the Stop and Spring:

20. First hang shade so you can work from the back. Bring Ring Lock with Level Lock attached (or orbs) up to bottom rings so there is light tension on the lift cord.

Attach lift ring to center cord a minimum of 2 inches below last (bottom) ring.

21. Tug on ring to rotate the tube about 1/4 turn. This releases the locking mechanism. Release ring and let shade raise naturally. Or, turn the tube 1/4 rotation in the opposite direction (toward the front of the shade while standing in the back of the shade) to release the locking mechanism.
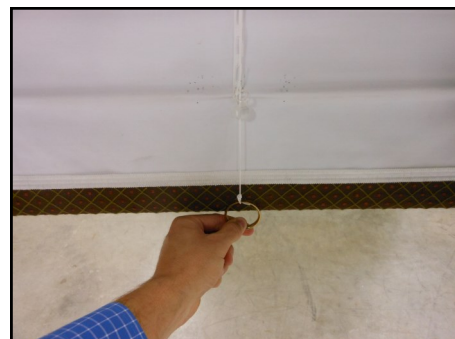
22. Check tension of spring and adjust by raising shade as far as it will go to the top, holding tube with one hand and turning adjuster wheel with the other (facing end of tube) counter-clockwise to decrease and clockwise to increase the tension. This should be adjusted before setting the stop.

23. Now you can adjust stop height.   Once the shade has risen all the way up, pull it down to the position where you want it to automatically stop. Hold the tube still while you rotate the stop adjuster wheel clockwise (or front of wheel toward top of window) until the wheel stops. The stop height is now set.
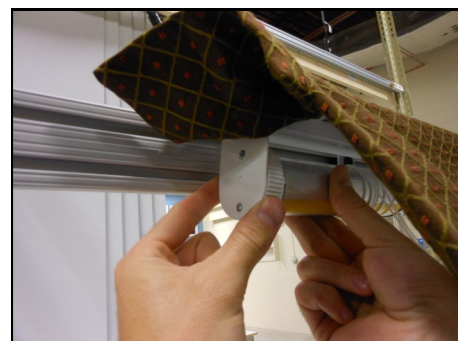
24. Test the shade. Pull the shade all the way down to the lower position. Now tug and release ring and watch the shade go back up to the stop position that you just set.

Shade is stuck at the bottom and will not raise.

- Did you remember to pre-rotate the spring? Check to make sure spring has tension. (see step 9)

- Check to make sure stop plate is not against stop spring. (see step 7)

- Shade must have enough slack to work properly. The tube must be able to turn in the reverse direction for the lock to disengage. If the shade has run out of slack, rotate the tube about 1/4 turn (in the direction that the string comes off the tube) by hand to disengage the lock.

  See video titled "How to fix a stuck cordless Roman shade"

Shade goes up too fast or slow. (Spring needs adjustment)

Remove (or add) tension from the spring with the spring adjuster wheel. Assuming the RollEase instructions were followed, the spring side will have a marker on the tube and the stop side will not.

When the **spring is on your left facing the window**

Too slow - add tension by rotating the wheel counter-clockwise (toward the bottom of the window).

Too fast - remove tension by rotating the wheel clockwise (toward the top of the window).

When the **spring is on your right facing the window**

Too slow - add tension by rotating the wheel clockwise (toward the top of the window).

Too fast - remove tension by rotating the wheel counter-clockwise (toward the bottom of the window).

See video titled "How to Adjust Spring Tension on the Easy Spring Plus Cordless Roman shade"

Shade stops too high or too low from top. (Stop needs adjustment)

* Adjust stop height by turning the stop adjuster wheel. Then, lower and raise shade to check.

When the **stop is on your right facing the window**

Too high - lower by rotating the wheel clockwise (toward the bottom of the window)

Too low - raise by rotating the wheel counter-clockwise (toward the top of the window).

When the **stop is on your left facing the window**

Too high - lower by rotating the wheel counter-clockwise (toward the top of the window)

Too low - raise by rotating the wheel counter-clockwise (toward the bottom of the window).

See video titled "How to Adjust the Stop Position on the Easy Spring Plus Cordless Roman shade"

See all instructional videos at: http://www.rollease.com/support/trade/instructional-videos?view=fullpage or on the RollEase YouTube page.