Supplemental Insert



This supplemental installation instruction is to be used as a supplement to the main Installation Instruction and Owner's Manual provided with the door. The instructions included in this document are only those which deviate from the standard installation. All warnings and cautions listed in the main manual are applicable to this supplemental instruction as well.

www.Wayne-Dalton.com



NOTE: For Door Models: 9800, 9700, 9100, 9405, 9600, 5120, 5145 and 6600.

NOTE: If a strut was supplied for the top section, install the strut prior to installing the adjustable operator bracket.



Bottom Corner Bracket Installation

Tools Required: Power drill, 7/16" Socket driver, Tape measure, Saw horses, Leather gloves, Safety glasses

Identify the low-headroom bottom corner brackets provided with your door **(A,B or C)**. Place them, left and right onto the bottom corners of the section. Seat the bottom corner brackets up against the edge of the bottom section, as shown.

FOR LOW HEADROOM BOTTOM CORNER BRACKET (A)(B)(C):

Secure the low headroom bottom corner bracket to the bottom section with (3) 1/4" - $20 \times 11/16$ " self drilling screws (RED HEAD) and (2) 1/4" - $20 \times 11/16$ " self drilling screws. Place short stem track roller into holes of each bottom corner bracket, as shown.

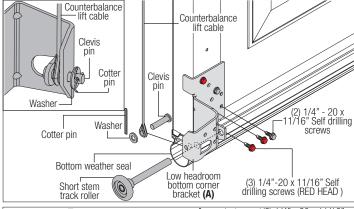
IMPORTANT: THE 1/4" - 20 X 11/16" RED HEAD SELF DRILLING SCREWS MUST BE MUST BE INSTALLED THROUGH THE HOLES OF THE BOTTOM CORNER BRACKETS, AS SHOWN.

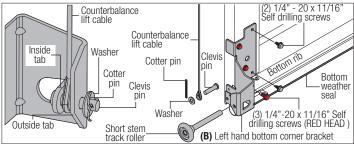
Attach the counterbalance lift cable to the low-headroom bottom corner brackets using clevis pins. Secure the clevis pins to bottom corner brackets using a 5/16" flat washer and cotter pin, as shown.

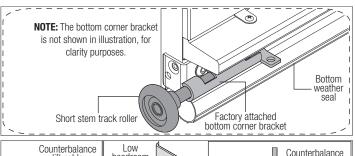
NOTE: Place short stem track roller into the factory attached bottom corner brackets, as shown.

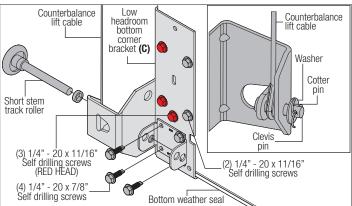
FOR TRACK ROLLER CARRIERS (C):

Starting on left hand side of the bottom section, attach the bottom corner bracket track roller carrier with the stamp "STD" facing UP to the bottom corner bracket by aligning the four holes of the bottom corner bracket track roller carrier with the four holes in the bottom corner bracket. Secure the bottom corner bracket track roller carrier to the bottom corner bracket with (4) 1/4" – $20 \times 7/8$ " self drilling screws. Insert a short stem track roller and spacer into the inner holes. Repeat the same process for the right hand side, as shown.









2

Low Headroom Top Fixture Installation

Tools Required: Power drill, 7/16" Socket driver, Saw horses, Phillips head screwdriver, Leather gloves, Safety glasses

Identify the low-headroom top fixtures provided with your door (A, B, C, D or E). Push the top section of door out against the jamb until the top section is parallel with the other sections of the door. Starting with the left hand side, align the edge of top fixture with the edge of section.

NOTE: When installing the top fixtures, the top section must be vertically aligned with the rest of the sections from the side view. If needed reposition top fixture(s) to achieve vertical alignment

FOR LOW HEADROOM TOP BRACKET (A) OR (B):

If applicable, remove, but retain $(2-4) \, 1/4" - 14 \, x \, 7/8"$ self drilling screws from the right side of the strut, allowing enough room to slide the top fixture between the section and the strut. Secure the low headroom top fixture to the top section by placing one $1/4" - 20 \, x \, 11/16"$ self drilling screw through the lower slot of top fixture. Adjust the low headroom top fixture if necessary

For Models 8000/8100/8200: Secure two more 1/4" - 20 x 11/16" self drilling screws through the top holes, as shown.

For Models 6600/8300/8500: Secure the top fixture and strut (if applicable) to the top section with (3) 1/4" - $20 \times 7/8$ " self drilling screws through the upper and lower slots of the top fixture. Finish re-attaching the strut (if applicable) using the 1/4" - $20 \times 7/8$ " self drilling screws removed previously, as shown.

Repeat the same process for the other side.

FOR LOW HEADROOM TOP BRACKET (C) OR (D):

NOTE: The LHR top fixture comes pre-assembled, as shown.

Locate the edge of the top section and seat the top fixture on male part of the top section, as shown.

Attach the top fixture to the top section (C):

- 1. Attach one 1/4" $20 \times 11/16$ " self-drilling screw to the top fixture assembly.
- 2. Attach two 1/4" 20 x 11/16" self-drilling screws to the top fixture assembly.
- 3. Attach two #12 x 1/2" phillips head screws on the opposite side of top fixture assembly. Insert a short stem track roller into the top fixture slide, as shown. Repeat the same process

Attach the top fixture to the top section (D):

for the other side.

- 1. Attach one 1/4" 14 x 5/8" self-tapping screw to the top fixture assembly.
- 2. Attach two 1/4" 20 x 11/16" self-drilling screws to the top fixture assembly.
- 3. Attach two #12 x 1/2" phillips head screws on the opposite side of top fixture assembly. Insert a roller into the top fixture, as shown. Repeat the same process for the other side.

REVERSING THE TOP SLIDE (C) OR (D), IF NEEDED:

NOTE: Depending on your application, you may need to reverse the top fixture slide for more adjustment, if needed, prior to securing it to the top fixture base.

Remove the top fixture slide by removing the two 1/4" - $20 \times 5/8"$ carriage bolts, two retention washers and two 1/4" - 20 flanged hex nuts. Flip the top fixture slide in the opposite direction. Loosely fasten the top fixture slide to the fixture using two 1/4" - $20 \times 5/8"$ carriage bolts, two retention washers and two 1/4" - 20 flanged hex nuts, as shown.

NOTE: The retention washers must be fully seated against the top fixture base to ensure the anti-twist feature on the top fixture slide engages in the slotted hole in the top fixture base.

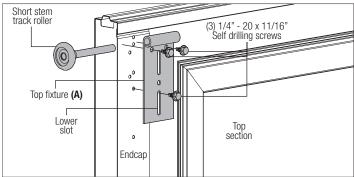
ATTACH THE TOP FIXTURE TO THE TOP SECTION (E):

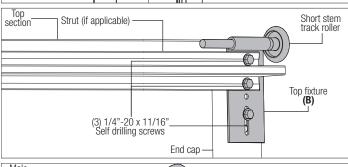
NOTE: This is a traditional low headroom windload top fixture.

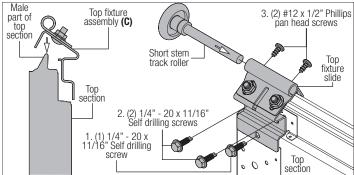
Vertically align the flat portion of top fixture slide with the endcap and strut at the top of top section. Fasten top fixture slide using (2) 1/4" - $14 \times 7/8$ " self drilling screws, as shown in FIG. 2.8. Repeat the same process for the other side.

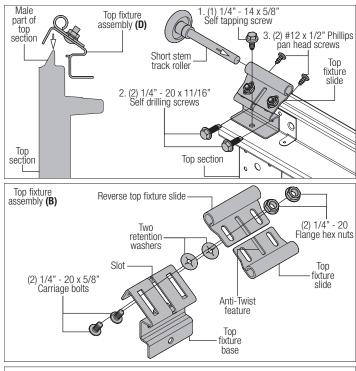
△ WARNING

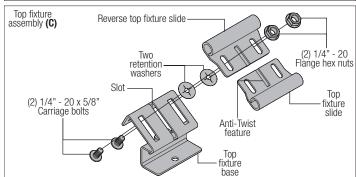
DO NOT RAISE DOOR UNTIL HORIZONTAL TRACKS ARE SECURED AT REAR, AS OUTLINED IN REAR SUPPORT INSTALLATION, OR DOOR COULD FALL FROM OVERHEAD POSITION CAUSING SEVERE OR FATAL INJURY.

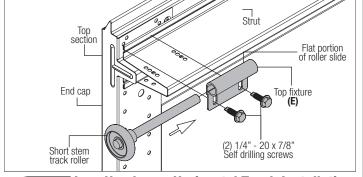












3

Low Headroom Horizontal Track Installation Tools Required: Ratchet wrench, 7/16" 9/16" Socket, 7/16" 9/16" Wrench, level

Tools Required: Ratchet wrench, 7/16" 9/16" Socket, 7/16" 9/16" Wrench, level, Step ladder, Leather gloves, Safety glasses

Identify the low-headroom horizontal tracks provided with your door (A or B).

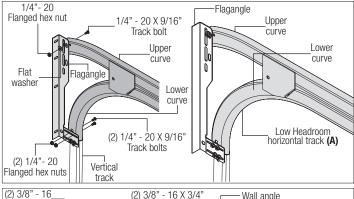
FOR LOW HEADROOM HORIZONTAL TRACK (A):

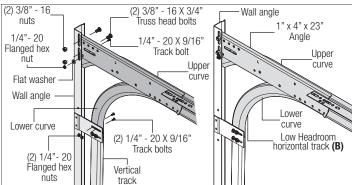
Place the low-headroom horizontal track over the top of the previously installed vertical track. Attach the lower curve of the low-headroom horizontal track to the vertical track with (2) 1/4" - 20 X 9/16" track bolts and (2) 1/4" - 20 flanged hex nuts. Level low-headroom horizontal track and secure the upper curve to the flagangle using (1) 1/4" - 20 x 9/16" track bolt, (1) flat washer and (1) 1/4" - 20 flanged hex nut, as shown. Repeat the same process for the other side. Remove the nail that was temporarily holding the top section in place.

FOR LOW HEADROOM HORIZONTAL TRACK (B):

Place the low-headroom horizontal track over the top of the previously installed vertical track. Attach the lower curve of the low-headroom horizontal track to the vertical track with (2) 1/4" - 20 X 9/16" track bolts and (2) 1/4" - 20 flanged hex nuts. Level low-headroom horizontal track and secure the upper curve to the angle using (1) 1/4" - 20 x 9/16" track bolt, (1) flat washer and (1) 1/4" - 20 flanged hex nut. Next, secure the 1" x 4" x 23" angle to the wall angle with (2) 3/8" - 16 x 3/4" truss head bolts and (2) 3/8" - 16 nuts, as shown. Repeat the

same process for the other side. Remove the nail that was temporarily holding the top section in place.





3a

Cable Sheave Installation (If Rear Mount)
Tools Required: Ratchet Wrench, 3/8" Socket, 3/8" Wrench, Saw Horses, Step
ladder, Leather gloves, Safety glasses

Identify the cable sheave assemblies provided with your door (C or D), if needed.

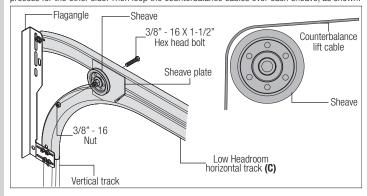
NOTE: If your door didn't come with cable sheave assemblies then skip this step and proceed to the next step.

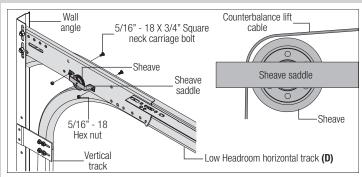
FOR CABLE SHEAVE ASSEMBLIES (C):

Place a 3/8" - $16 \times 1^{-1/2}$ " hex head bolt through the hole in the sheave plate. Next insert the sheave over the end of the bolt. Secure the sheave to the sheave plate with a 3/8" - 16 nut, as shown. Repeat the same process for the other side. Then loop the counterbalance cables over each sheave, as shown.

FOR CABLE SHEAVE ASSEMBLIES (D):

Position the sheave saddle over the 1" \times 4" \times 23" angle and align the slots in the sheave saddle with the corresponding holes in the 1" \times 4" \times 23" angle. While holding the sheave saddle in place, insert (1) 5/16" - 18 \times 3/4" square neck carriage bolt through each of the aligned holes and secure the assembly with 5/16 - 18 hex nuts, as shown. Repeat the same process for the other side. Then loop the counterbalance cables over each sheave, as shown.





4

Rear Support Installation

Tools Required: Power drill, 7/16" Socket driver, Ratchet Wrench, Socket: 1/2" 5/8", Wrench: 1/2" 5/8", Tape Measure, Vice clamps, Step Ladder, Leather cloves, Safety glasses

Raise the door until the top section and half of the next section are in a horizontal position. Do not raise door any further since rear of horizontal track is not yet supported.

△ WARNING

RAISING DOOR FURTHER CAN RESULT IN DOOR FALLING AND CAUSING SEVERE OR FATAL INJURY.

Now clamp a pair of locking pliers to the vertical tracks just above the second roller on one side, and just below the second roller on the other side. This will prevent the door from raising or lowering while installing the rear support. Using perforated angles, 5/16" x 1-5/8" lag screws and 5/16" - 18 x 1" hex head bolts with 5/16" - 18 nuts (may not be supplied), fabricate rear supports for horizontal tracks, as shown.

Attach rear supports to ceiling joist or other structurally sound framing members, making sure the vertical piece is positioned with the back leg angled outward and away from the door opening

FRONT MOUNTED TORSION SPRINGS: Level and square the horizontal track and secure end of the lower horizontal track to the back hanger, using (1) 5/16" - 18 x 1-1/4" bolt and (1) 5/16" - 18 nut. as shown.

REAR MOUNTED TORSION SPRINGS: Level and square the horizontal track and secure the end bearing bracket to the back hanger, using (2) 3/8" - 16 x 3/4" truss head bolts and (2) 3/8" - 16 nuts. Bolt the lower horizontal track to the end bearing bracket using a 5/16" - 18 x 1-1/4" bolt and (1) 5/16" - 18 nut, as shown.

IMPORTANT: BACK HANGER MUST BE ATTACHED TO FRAMING MEMBER, ADEQUATE TO SUPPORT DOOR WEIGHT, WITH 5/16" X 2" LAG SCREWS.

Attach rear support to the rear support bracket with two 5/16" - $18 \times 1-1/4$ " hex head bolts and 5/16" - 18 nuts. Horizontal tracks must be level and parallel with door, as shown.

NOTE: Ensure the 5/16" - $18 \times 1-1/4$ " hex head bolt are going through the vertical piece first, then through the rear support bracket and the 5/16" - 18 nut is in the inside of the horizontal track, as shown.

IMPORTANT: LATERAL BRACE MUST ALWAYS BE USED TO PREVENT SWAYING OF THE HORIZONTAL TRACK.

NOTE: If an automatic garage door opener will be installed, position horizontal tracks one hole above level when securing to the rear support.

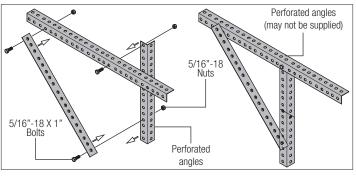
IMPORTANT: SPACING BETWEEN THE LEFT AND RIGHT HAND REAR MOUNT TORSION END BRACKET BRACKETS MUST BE DOOR WIDTH PLUS 5-3/8" (136MM).

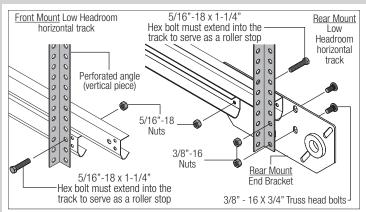
△ WARNING

KEEP HORIZONTAL TRACKS PARALLEL AND WITHIN 3/4" - 7/8" (19MM - 22MM) OF DOOR EDGE, OTHERWISE DOOR COULD FALL, RESULTING IN SEVERE OR FATAL INJURY.

NOTE: For front mount torsion spring applications proceed to next step.

NOTE: For rear mount torsion spring applications skip to rear mount torsion spring section, in this instruction insert.





5

Front Mount End Bearing Bracket Installation

Tools Required: Power drill, 7/16" Socket driver, Tape measure, Saw Horses,

NOTE: Right and left hand is always determined from inside the building looking out. Identify the end bearing brackets supplied with your door.

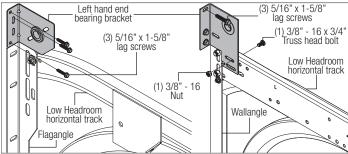
NOTE: Prior to fastening end bearing brackets into the door jamb, pilot drill using a 3/16" drill bit.

FOR END BEARING BRACKET (A):

Starting on the left hand side position the left hand end bearing bracket above the flagangle and secure the end bearing bracket to the flagangle angle using (3) 5/16" x 1-5/8" lag screws, as shown. Repeat same process for the right hand side.

FOR END BEARING BRACKET (B):

Starting on the left hand side position the left hand end bearing bracket up against the jamb and low headroom horizontal track. Fasten the left hand end bearing bracket to the low headroom horizontal track with (1) 3/8" - 16 x 3/4" truss head bolt and (1) 3/8" - 16 nut. Secure the left hand end bearing bracket to the jamb using (3) 5/16" x 1-5/8" lag screws, as shown. Repeat same process for the right hand side.





Front Mount Torsion Spring Installation Tools Required: Power drill, 7/16" Socket driver, Tape measure, Saw Horses,

Measure to locate the center of the door and mark a vertical pencil line on the mounting surface above the door, to indicate the center line of the door. Then, measure from the center of the bearing, in one of the end bearing brackets, DOWN to the top of the door. Using that dimension, measure UP from the top of the door and mark a horizontal pencil line on the mounting surface, intersecting the vertical pencil line. Now align the edge of the center bearing bracket along the vertical pencil line on the mounting surface. Center the bearing bracket on the horizontal line. This will ensure the torsion tube is level between the center and end bearing brackets. Attach the center bearing bracket, in this location, to the mounting surface, using 5/16" RED HEAD lag screws, as shown.

NOTE: Prior to fastening center bearing bracket into the mounting surface, pilot drill using a 3/16" drill bit.

 $\operatorname{IMPORTANT:}$ THE 5/16" RED HEAD LAG SCREWS MUST BE ATTACHED TO THE CENTER BRACKET(S).

IMPORTANT: USE A 5/16" X 2-1/2" RED HEAD LAG SCREW INSTEAD OF THE 5/16" X 1-5/8" RED HEAD LAG SCREW IF MOUNTING SURFACE IS COVERED BY DRYWALL. THE LAG SCREW MUST BE ATTACHED THROUGH THE BOTTOM HOLE OF THE CENTER BRACKET(S).

NOTE: Identify the springs provided as either right hand wound (red winding cone), which goes on the RIGHT HAND SIDE or left hand wound (black winding cone), which goes on the LEFT HAND SIDE.

NOTE: Front mount torsion shaft assembly for Low headroom doors are opposite from standard lift doors.

IMPORTANT: RIGHT HAND AND LEFT HAND IS ALWAYS DETERMINED FROM INSIDE THE GARAGE LOOKING OUT.

Facing the inside of the door, lay the torsion tube on the floor. Lay the spring with the black color coded winding cone and the black color coded cable drum, at the left hand end of the

tube. Lay the spring with the red color coded winding cone and the red color coded cable drum, at the right hand end of the tube (if applicable). Slide the center bracket bushing onto the torsion tube followed by the springs and cable drums.

NOTE: Identify the center bracket bushing **(A) or (B)** supplied with your door. Prior to assembling the torsion spring components, ensure that the center bracket bushing is positioned correctly on the torsion tube, as shown.

NOTE: The set screws used on all torsion counterbalance winding cones and cable drums, are now colored red. DO NOT identify right and left hand by the set screw color.

With assistance, pick up the torsion assembly and slide one end of the tube through one end bearing bracket. Lay the torsion tube into the center bearing bracket and slide the other end of the tube into the opposite end bearing bracket. Position the torsion tube so that equal amounts of the tube extend from each end bearing bracket.

IMPORTANT! SPRING PAD MUST BE OF SOUND, SOLID WOOD, SECURELY FASTENED TO FRAMING MEMBER ADEQUATE TO WITHSTAND TORSIONAL FORCES OF SPRING(S).

IMPORTANT: THE SPRING WARNING TAG(S) SUPPLIED MUST BE SECURELY ATTACHED TO THE STATIONARY SPRING CONE IN PLAIN VIEW. SHOULD A REPLACEMENT SPRING WARNING TAG BE REQUIRED, CONTACT WAYNE DALTON FOR FREE REPLACEMENTS.

NOTE: Front mount torsion shaft assembly for Low headroom doors are opposite from standard lift doors.

SLIDE THE CENTER BUSHING INTO THE STATIONARY SPRING CONE AT THE END OF THE SPRING AND ALIGN THE STATIONARY SPRING CONE(S) WITH THE SLOTTED HOLES IN THE CENTER BEARING BRACKET. SECURE THE SPRING(S) TO THE CENTER BEARING BRACKET WITH (2) 3/8" - 16 X 1-1/2" HEX HEAD BOLTS AND 3/8" - 16 NUTS. AS SHOWN.

Slide the red cable drum against the left hand end bearing bracket. Thread the counterbalance cable up and over the red cable drum and position the cable drum and counterbalance cable at the 9 o'clock position. Hook the cable into the drum. Tighten the set screws in the red cable drum to 14 - 15 ft. lbs. of torque (Once set screws contact the tube, tighten screws one full turn), as shown.

Slide the black cable drum against the right hand end bearing bracket. Rotate the right hand drum and torsion tube until counterbalance cable is taut. Attach vice grips to torsion tube and brace vice grips up against jamb to keep counterbalance cable taut. Slide the black cable drum against the right hand end bearing bracket. Rotate drum until cable is taunt. Thread the counterbalance cable up and over the black cable drum and position the cable drum and counterbalance cable at the 9 o'clock position. Hook the cable into the drum. Tighten the set screws in the black cable drum to 14-15 ft. lbs. of torque (Once set screws contact the tube, tighten screws one full turn).

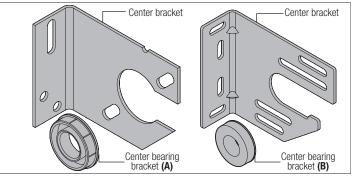
IMPORTANT: CHECK EACH CABLE, MAKING SURE BOTH ARE SEATED PROPERLY ON THE CABLE DRUMS AND HAVE EQUAL CABLE TENSION.

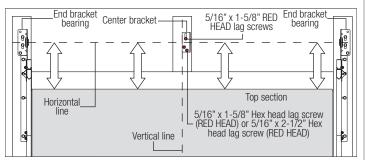
Apply locking pliers to track above third roller to prevent door movement.

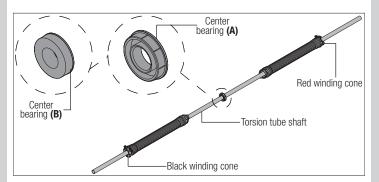
△ WARNING

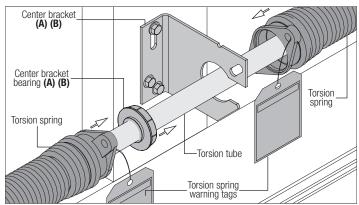
PRIOR TO WINDING OR MAKING ADJUSTMENTS TO THE SPRINGS, ENSURE YOU'RE WINDING IN THE PROPER DIRECTION AS STATED IN THE INSTRUCTIONS. OTHERWISE, THE SPRING FITTINGS MAY RELEASE FROM SPRING IF NOT WOUND IN THE PROPER DIRECTION AND COULD RESULT IN SEVERE OR FATAL IN JURY.

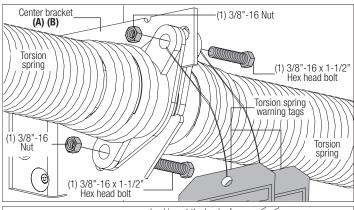
Proceed to winding springs from the top down.

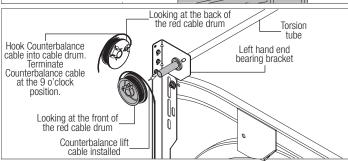












7

Rear Mount Torsion Spring Installation

Tools Required: Power drill, 7/16" Socket, 3/8", 7/16", 1/2", 9/16", 5/8" Wrenches, Tape measure, Step Ladder, Safety glasses, Leather gloves, Approved winding rods

IMPORTANT: RIGHT HAND AND LEFT HAND IS ALWAYS DETERMINED FROM INSIDE THE GARAGE LOOKING OUT.

IMPORTANT: THE SPRING WARNING TAG(S) SUPPLIED MUST BE SECURELY ATTACHED TO THE STATIONARY SPRING CONE IN PLAIN VIEW, AS SHOWN, SHOULD A REPLACEMENT SPRING WARNING TAG BE REQUIRED, CONTACT WAYNE-DALTON FOR FREE REPLACEMENTS

NOTE: Identify the springs provided as either right hand wound (red winding cone), which goes on the RIGHT HAND SIDE or left hand wound (black winding cone), which goes on the

NOTE: The set screws used on all torsion counterbalance winding cones and cable drums, are now colored red. DO NOT identify right and left hand by the set screw color.

ONE OR TWO SPRINGS:

Loosely attach the oval bearing to the center bracket with (2) 3/8" - 16×1 -1/2" bolts and (2) 3/8" - 16×1 -1/2" bolts and (2) 3/8" - 16×1 -1/2" bolts and he right hand side of the torsion shaft and the right hand wound spring(s) (red) are positioned on the left hand side of the torsion shaft, as shown. With assistance, pick up the torsion assembly to the back of the horizontal tracks and slide one end of the tube through one end bearing bracket. Position the torsion tube so that equal amounts of the tube extend from each end bearing bracket. Secure center bearing bracket to adequate framing member at the center of torsion tube using 5/16" RED HEAD lag screws.

 $\mbox{IMPORTANT:}$ The 5/16" RED HEAD LAG SCREWS MUST BE ATTACHED TO THE CENTER BRACKET(S).

IMPORTANT: USE A 5/16" X 2-1/2" RED HEAD LAG SCREW INSTEAD OF THE 5/16" X 1-5/8" RED HEAD LAG SCREW IF MOUNTING SURFACE IS COVERED BY DRYWALL. THE LAG SCREW MUST BE ATTACHED THROUGH THE BOTTOM HOLE OF THE CENTER BRACKET(S).

Level the torsion tube and tighten the (2) 3/8" - $16 \times 1-1/2$ " bolts and (2) 3/8" - $16 \times 16 \times 10-1/2$ " bolts and (2) 3/8" - $16 \times 3/4$ " truss head bolts and (2) 3/8" - 3/4" truss head bolts and (2) 3/4" truss head bolts and (2) 3/4" truss head bolts and (2) 3/4" truss head bolts and (2)

FOUR SPRINGS:

Position the bearing with the flange side facing inward and slide the bearing onto the torsion shaft towards the center , as shown. Starting with the left hand side, place a right hand wound spring (red) and left hand wound spring (black) on the torsion shaft as shown. On the right hand side, place a left hand wound spring (black) and right hand wound spring (red) on the torsion shaft. Insert bearing(s) into stationary cone and loosely attach center bearing bracket(s) to the torsion springs using (2) 3/8" - 16 x 1-1/2" bolts and (2) 3/8" - 16 hex nuts. With assistance, pick up the torsion assembly to the back of the horizontal tracks and slide one end of the tube through one end bearing bracket. Position the torsion tube so that equal amounts of the tube extend from each end bearing bracket. Secure center bearing bracket(s) to adequate framing members at center of the torsion shaft using 5/16" RED HEAD lag

IMPORTANT: THE 5/16" RED HEAD LAG SCREWS MUST BE ATTACHED TO THE CENTER BRACKET(S).

IMPORTANT: USE A 5/16" X 2-1/2" RED HEAD LAG SCREW INSTEAD OF THE 5/16" X 1-5/8" RED HEAD LAG SCREW IF MOUNTING SURFACE IS COVERED BY DRYWALL. THE LAG SCREW MUST BE ATTACHED THROUGH THE BOTTOM HOLE OF THE CENTER BRACKET(S).

Level the torsion tube and tighten the (2) $3/8" - 16 \times 1-1/2"$ bolts and (2) 3/8" - 16 hex nuts. Secure left side spring to the left hand end bearing bracket using (2) $3/8" - 16 \times 1-1/2$ truss head bolts and (2) 3/8" - 16 hex nuts, as shown. Repeat the same process for right hand side.

Slide the black cable drum against the left hand end bearing bracket. Thread the counterbalance cable up and over the black cable drum and position the cable drum and counterbalance cable at the 3 o'clock position. Hook the cable into the drum. Tighten the set screws in the black cable drum to 14 - 15 ft. lbs. of torque (Once set screws contact the tube, tighten screws one full turn), as shown. Slide the red cable drum against the right hand end bearing bracket. Rotate the right hand drum and torsion tube until counterbalance cable is taut. Apply locking pliers to track above third roller to prevent door movement and to keep counterbalance cables taut. Thread the counterbalance cable up and over the red cable drum and position the cable drum and counterbalance cable at the 3 o'clock position. Hook the cable into the drum. Tighten the set screws in the black cable drum to 14 - 15 ft. lbs. of torque (Once set screws contact the tube, tighten screws one full turn).

IMPORTANT: CHECK EACH CABLE, MAKING SURE BOTH ARE SEATED PROPERLY ON THE CABLE DRUMS AND HAVE EQUAL CABLE TENSION.

WARNING

PRIOR TO WINDING OR MAKING ADJUSTMENTS TO THE SPRINGS, ENSURE YOU'RE WINDING IN THE PROPER DIRECTION AS STATED IN THE INSTRUCTIONS. OTHERWISE, THE SPRING FITTINGS MAY RELEASE FROM SPRING IF NOT WOUND IN THE PROPER DIRECTION AND COULD RESULT IN SEVERE OR FATAL IN JURY.

Proceed to wind torsion springs from the bottom up, as shown.

