Models 9700 and 9510

TORSION

RESIDENTIAL AND LIGHT COMMERCIAL
REAR MOUNT LOW HEADROOM
OUTSIDE HOOKUP

INSTALLATION INSTRUCTIONS AND OWNER’S MANUAL

DEFINITION OF LIGHT COMMERCIAL:
1. Door Heights less than or equal to 8’0” (< = 8’0”) are considered Residential Applications.
2. Door Heights greater than 8’0” (> 8’0”) are considered Light Commercial Applications.

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE

If you need assistance, please call 1-866-569-3799 (press Option 1) and follow the prompts to contact a customer service representative. They will be happy to handle any questions that you may have.

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IMPORTANT NOTICES!

To avoid possible injury, read and fully understand the enclosed instructions carefully before installing and operating the garage door. Pay close attention to all warnings and notes. After installation is complete, fasten this manual near garage door for easy reference.

This Installation document is available at no charge from:
- Your local Wayne Dalton Sales Center, or
- Online at www.Wayne-Dalton.com, or
- By mailing to: Wayne Dalton, a division of Overhead Door Corporation, P.O. Box 67, Mt. Hope, OH., 44660
DEFINITION OF KEY WORDS USED IN THIS MANUAL:

**WARNING**
Indicates a potentially hazardous situation which, if not avoided, could result in severe or fatal injury.

**CAUTION**
Property damage or injury can result from failure to follow instructions.

**NOTE:** Information assuring proper installation of the door.

**IMPORTANT:** Required step for safe and proper door operation.

**IMPORTANT:** COUNTERBALANCE SPRING TENSION MUST ALWAYS BE RELEASED BEFORE ANY ATTEMPT IS MADE TO START REMOVING AN EXISTING DOOR.

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**Removing an Existing Door and Preparing the Opening**

To avoid possible injury to and to insure proper installation, it’s highly recommended that you read and fully understand the complete instructions on removing an Existing Door & Preparing the Opening. These are available for download at www.Wayne-Dalton.com or at your local Wayne Dalton Sales Center.

**IMPORTANT:** If you just removed your existing door or you are installing a new door, complete all steps in preparing the opening.

To ensure secure mounting of track brackets, side and center brackets, or steel angles to new or retro-fit construction, it is recommended to follow the procedures outlined in DASMA technical data sheets #156, #161 and #164 at www.dasma.com.

The inside perimeter of your garage door opening should be framed with wood jambs and header material. The jambs and header must be securely fastened to sound framing members. It is recommended that 2” x 6” lumber be used. The jambs must be plumb and the header level. The jambs should extend a minimum of 12” (305 mm) above the top of the opening for TorqueMaster® counterbalance systems. For low headroom applications, the jambs should extend to the ceiling height. Minimum side clearance required, from the opening to the wall, is 3-1/2” (89 mm).

**IMPORTANT:** Closely inspect jambs, header and mounting surface. Any wood found not to be sound, must be replaced.

For TorqueMaster® counterbalance systems, a suitable mounting surface (2” x 6”) must be firmly attached to the wall, above the header at the center of the opening.

**NOTE:** Drill a 3/16” pilot hole in the mounting surface to avoid splitting the lumber. Do not attach the mounting surface with nails.

**WEATHERSTRIPS (MAY NOT BE INCLUDED):**
Depending on the size of your door, you may have to cut or trim the weatherstrips (if necessary) properly fit into the header and jambs.

**NOTE:** If nailing product at 40°F or below, pre-drilling is required.

**NOTE:** Do not permanently attach weatherstrips to the header and jambs at this time.

**FOR QUICK INSTALL TRACK:** For the header, align the weatherstrip with the inside edge of the header and temporarily secure it to the header with equally spaced nails. Starting at either side of the jamb, fit the weatherstrip up tight against the temporarily attached weatherstrip in the header and flush with the inside edge of the jamb. Temporarily secure the weatherstrip with equally spaced nails. Repeat for other side. This will keep the bottom section from falling out of the opening during installation. Equally space nails approximately...
12” to 18” apart.

FOR FULLY ADJUSTABLE TRACK: For the header, align the weatherstrip 1/8” to 1/4” inside the header edge, and temporarily secure it to the header with equally spaced nails. Starting at either side of the jambs, fit the weatherstrip up tight against the temporarily attached weatherstrip in the header and 1/8” to 1/4” inside the jamb edge. Temporarily secure the weatherstrip with equally spaced nails. Repeat for other side. This will keep the bottom section from falling out of the opening during installation. Equally space nails approximately 12” to 18” apart.

HEADROOM REQUIREMENT: Headroom is defined as the space needed above the top of the door for tracks, springs, etc. to allow the door to open properly. If the door is to be motor operated, 2-1/2” (64 mm) of additional headroom is required.

NOTE: 6” low headroom conversion kit is available for 12” radius only. Contact your local Wayne Dalton dealer.

BACKROOM REQUIREMENT: Backroom is defined as the distance needed from the opening back into the garage to allow the door to open fully.

*NOTE: For door heights from 10’1” to 14’0”, refer to your operator manufacture installation instructions for appropriate depth into room.

Backroom Requirements

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Track</th>
<th>Manual Lift</th>
<th>Motor Operated</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'0&quot; to 7'0&quot;</td>
<td>Low Headroom</td>
<td>108-1/2&quot; (2756 mm)</td>
<td>125&quot; (3175 mm)</td>
</tr>
<tr>
<td>7'1&quot; to 8'0&quot;</td>
<td>120-1/2&quot; (3061 mm)</td>
<td>137&quot; (3480 mm)</td>
<td></td>
</tr>
<tr>
<td>8'1&quot; to 9'0&quot;</td>
<td>132-1/2&quot; (3366 mm)</td>
<td>168&quot; (4267 mm)</td>
<td></td>
</tr>
<tr>
<td>9'1&quot; to 10'0&quot;</td>
<td>144-1/2&quot; (3670 mm)</td>
<td>168&quot; (4267 mm)</td>
<td></td>
</tr>
<tr>
<td>10'1&quot; to 12'0&quot;</td>
<td>168-1/2&quot; (4280 mm)</td>
<td>See &quot;NOTE&quot;</td>
<td></td>
</tr>
<tr>
<td>12'1&quot; to 14'0&quot;</td>
<td>192-1/2&quot; (4890 mm)</td>
<td>See &quot;NOTE&quot;</td>
<td></td>
</tr>
</tbody>
</table>

HEADROOM REQUIREMENTS

<table>
<thead>
<tr>
<th>Track Type</th>
<th>Space Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; Low Headroom</td>
<td>6&quot; (152 mm)</td>
</tr>
</tbody>
</table>

Package Contents

NOTE: Depending on the door model, some parts listed will not be supplied if not required. Rear Back Hangs may not be included with your door.
Door Section Identification

Graduated end and center hinges are always pre-attached at the top of each section (except top section) and the graduated end hinges are stamped for identification, #1, #2, #3, #4 and #5. The stamp identifies the stacking sequence of the section. The sequence is always determined by #1 being the bottom section to #4 or #5 being the highest intermediate section. If the stamp on the graduated end hinge is illegible, refer to the section side view illustration. The section side view illustration shows the graduated end hinge profile of all sections, and can also be used to identify each section.

The BOTTOM SECTION can be identified by #1 graduated end hinges, the factory attached bottom astragal, the factory attached bottom corner brackets, and by the bottom corner bracket warning labels on each end stile.

The LOCK SECTION can be identified by #2 graduated end hinges.

The INTERMEDIATE SECTION I can be identified by #3 graduated end hinges. The intermediate I section will have a warning label attached to either the right or left hand end stile.

The INTERMEDIATE SECTION II can be identified by #4 graduated end hinges.

The INTERMEDIATE SECTION III can be identified by #5 graduated end hinges.

The TOP SECTION can be identified with no pre-installed graduated end or center hinges.

Tools Required

- Power drill
- Socket driver: 7/16”, 9/32”, 3/16”, 1/8”, 1/2”
- Level
- Ratchet wrench
- Tape measure
- Pliers / Wire cutters
- Flat tip screwdriver
- Phillips head screwdriver
- Wrenches: 3/8”, 7/16”, 9/16”, 1/2”, 5/8”, 1/2”
- 3” Ratchet extension
- Sockets: 7/16”, 1/2”, 9/16”, 5/8”
- Vise clamps
- Hammer
- Step ladder
- Leather gloves
- Pencil
- Saw horses
- Safety glasses
- Approved winding bars
- Locking pliers
NOTE: The illustrations shown on this page are general representations of the door parts. Each specific door model may have unique variations.
### INSTALLATION

Before installing your door, be certain that you have read and followed all of the instructions covered in the pre-installation section of this manual. Failure to do so may result in an improperly installed door.

**NOTE:** Reference TDS 160 for general garage door terminology at www.dasma.com.

**IMPORTANT:** IF THE DOOR WILL BE EXPOSED TO A SIGNIFICANT AMOUNT OF ROAD SALT, PAINT THE BARE GALVANIZED BOTTOM WEATHER STEEL RETAINER TO INHIBIT RUSTING.

### 1. Attaching Flag Angles and Jamb Brackets To Vertical Tracks

**NOTE:** If you have Riveted Track or Angle Mount Track, skip this step.

**FOR DOORS WITH QUICK INSTALL TRACK:** Place the lower Quick Install tab of the left hand flag angle in the Quick Install feature of the left hand vertical track. Give the flag angle 1/4 turn to lock in place. Measure the length of the vertical tracks. Using the jamb bracket schedule, determine the placement of the jamb brackets for your door height and track length. To install the jamb brackets, align the Quick Install tab on the Quick Install jamb bracket with the Quick Install feature in the vertical track and turn the bracket perpendicular to the track so the mounting flange is toward the back (flat) leg of the track. Repeat the same process for right hand side.

**NOTE:** If you have received a top jamb bracket, which is the tallest. If three jamb brackets per side are included with your door, you will have the 2nd jamb bracket is the next tallest. If two jamb brackets per side are included with your door, you will have received a top jamb bracket, which is the tallest.

**FOR DOORS WITH FULLY ADJUSTABLE TRACK:** Hand tighten the left hand flag angle to the left hand vertical track using (2) 1/4" - 20 x 9/16" track bolts and (2) 1/4" - 20 flange hex nuts.

**NOTE:** The bottom jamb bracket is always the shortest bracket, while the center jamb bracket is the next tallest. If three jamb brackets per side are included with your door, you will have received a top jamb bracket, which is the tallest.

To attach the bottom jamb bracket, locate lower hole of the hole/slot pattern of the 1st hole set on the vertical track. Align the slot in the jamb bracket with the lower hole of the hole/slot pattern. Hand tighten jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut.

Place the center jamb bracket over the lower hole of the hole/slot pattern that is centered between the bottom jamb bracket and flag angle of the 2nd hole set. Hand tighten jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut.

If a top jamb bracket was included, hand tighten it to vertical track using the lower hole of the hole/slot pattern in the 3rd hole set and (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut.

**NOTE:** Repeat the same process for the right hand side.

<table>
<thead>
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<th>Jamb Bracket Schedule</th>
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<tr>
<td><strong>DOOR HEIGHT</strong></td>
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<tr>
<td><strong>JAMB BKT</strong></td>
</tr>
<tr>
<td>6'0&quot;</td>
</tr>
<tr>
<td>6'6&quot;</td>
</tr>
<tr>
<td>7'0&quot;</td>
</tr>
</tbody>
</table>

B= BOTTOM HOLE, M= MIDDLE HOLE, T= TOP HOLE

### 2. Cable Drum Assemblies and Track Rollers

**NOTE:** Refer to door section identification, located in the pre-installation section of this manual or refer to Breakdown of Parts.

**WARNING**

FAILURE TO ENSURE TIGHT FIT OF CABLE LOOP OVER CLEVIS PIN COULD RESULT IN COUNTERBALANCE LIFT CABLE COMING OFF THE PIN, ALLOWING THE DOOR TO FALL, POSSIBLY RESULTING IN SEVERE OR FATAL INJURY.

Uncoil the counterbalance lift cables from the cable drum assemblies. Locate the left hand bottom corner bracket. Place clevis pin into the inside tab of the bottom corner bracket and slide the left hand cable loop of the counterbalance lift cable onto pin. Continue sliding clevis pin thru the outside tab of the bracket. Place a washer onto clevis pin and secure in place using a cotter pin.

Position the left hand bottom corner bracket onto the bottom section. Attach the bottom corner bracket to the bottom section with (3) 1/4" - 20 x 11/16" RED HEAD self drilling screws and (2) 1/4" - 20 x 11/16" self drilling screws, as shown. Repeat same process for the right hand side.

**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. Insert a short stem track roller into the bottom corner brackets and another into the #1 graduated end hinges at the top of the bottom section.

**NOTE:** Larger doors will use long stem track rollers with double graduated end hinges.

**NOTE:** Verify bottom weather seal is aligned with bottom section. If there is more than 1/2" excess weather seal on either side, trim weather seal even with bottom section.
3 Positioning Bottom Section

Center the bottom section in the door opening. Level the section using wooden shims (if necessary) under the bottom section. When the bottom section is leveled, temporarily hold it in place by driving a nail into the jamb and bending it over the edge of the bottom section on both sides.

4 Attaching Vertical Tracks To Jambs

**NOTE:** Depending on your door, you may have Quick Install Flag Angles, Fully Adjustable Flag Angles, Riveted Vertical Track Assemblies or you may have Angle Mount Vertical Track Assemblies. Refer to Package Contents / Breakdown of Parts, to determine which Flag Angles / Vertical Track Assemblies you have.

**IMPORTANT:** IF YOUR DOOR IS TO BE INSTALLED PRIOR TO A FINISHING CONSTRUCTION OF THE BUILDING’S FLOOR, THE VERTICAL TRACKS AND THE DOOR BOTTOM SECTION ASSEMBLY SHOULD BE INSTALLED SUCH THAT WHEN THE FLOOR IS CONSTRUCTED, NO DOOR OR TRACK PARTS ARE TRAPPED IN THE FLOOR CONSTRUCTION.

**IMPORTANT:** THE TOPS OF THE VERTICAL TRACKS MUST BE LEVEL FROM SIDE TO SIDE. IF THE BOTTOM SECTION WAS SHIMMED TO LEVEL IT, THE VERTICAL TRACK ON THE SHIMMED SIDE MUST BE RAISED THE HEIGHT OF THE SHIM.

Starting on the left hand side of the bottom section, remove the nail. Position the left hand vertical track assembly over the track rollers of the bottom section. Make sure the counterbalance lift cable is located between the track rollers and the door jamb.

**NOTE:** Drill 3/16” pilot holes into door jamb for the lag screws. Loosely fasten jamb brackets and flag angle to the jamb using 5/16” x 1-5/8” lag screws. Tighten lag screws, securing the bottom jamb bracket to jamb, maintain 3/8” to 5/8” spacing between the bottom section and vertical track. Hang counterbalance lift cable over flag angle. Repeat same process for other side.

5 Stacking Sections

**NOTE:** The sections can be identified by the graduation of the factory installed graduated end hinges. The smallest graduated end hinge on section should be stacked on top of the bottom section, with each graduated end hinge increasing as the sections are stacked, see Door Section Identification / Breakdown of Parts.

**NOTE:** Make sure graduated end and center hinges are flipped down, when stacking another section on top.

**NOTE:** Larger doors will use long stem track rollers with double graduated end hinges. Place track rollers into graduated end hinges of remaining sections.

With assistance, lift second section and guide the track rollers into the vertical tracks. Lower section until it is seated against bottom section. Align vertical marks in the upper alignment sticker, with the lower alignment sticker on right hand side, on the back of door. Keep sections aligned. Flip hinges up. Fasten center hinge(s) first, then end hinges last using 1/4” - 14 x 5/8” self-tapping screws.

**NOTE:** To prevent center hinge leaf(s) from rotating, first secure the top middle hole of the center hinge leaf with one 1/4” - 14 x 5/8” self-tapping screw then secure the other two...
NOTE: Larger doors with double graduated end hinges, fasten both hinges to connect the sections using 1/4" - 14 x 5/8" self-tapping screws.

Repeat same process for other sections, except top section.

IMPORTANT: PUSH & HOLD THE HINGE LEAFS SECURELY AGAINST THE SECTIONS WHILE SECURING WITH 1/4" - 14 x 5/8" SELF TAPPING SCREWS. THERE SHOULD BE NO GAP BETWEEN THE HINGE LEAFS AND THE SECTIONS.

NOTE: Install lock at this time (sold separately). See optional installation step, Side Lock.

### Attaching Top Fixtures To Top Section

**NOTE:** The top fixtures come pre-assembled from the factory.

Starting on the left hand side, locate the edge of the top section and seat the top fixture on the male part of the top section, as shown. Secure the top fixture assembly and the strut to the top section:

1. Attach one 1/4" - 20 x 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 roller into the top fixture slide, as shown. Repeat the same process for the other side.

**NOTE:** Prior to fastening drawbar operator bracket to top section, ensure the top edge of drawbar operator bracket is aligned with the top edge of the section, as shown.

Attach the drawbar operator bracket using (8) 1/4" - 20 x 11/16" self drilling screws (as shown). Finish re-attaching the strut using the self tapping screws removed previously.

### Stacking Top Section

Place the top section in the opening. Temporarily secure the top section by driving a nail in the header near the center of the door and bending it over the top section. Now, flip up the hinge leaves, hold tight against section, and fasten center hinges first and end hinges last (refer to step, Stacking Sections). Vertical track alignment is critical. Position flag angle or wall angle between 1-11/16" (43 mm) to 1-3/4" (44 mm) from the edge of the door; tighten the bottom lag screw. Flag angles or wall angles must be parallel to the door sections. Repeat for other side.
ATTACHING HORIZONTAL TRACKS

NOTE: Depending on your door, you may have Quick Install Flag Angles, Fully Adjustable Flag Angles, Riveted Vertical Track Assemblies or you may have Angle Mount Vertical Track Assemblies. Refer to Package Contents / Breakdown of Parts, to determine which Flag Angles / Vertical Track Assemblies you have.

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

IF YOU HAVE QUICK INSTALL FLAG ANGLES: To install horizontal track, place the curved end over the top track roller of the top section. Align key slot of the horizontal track with the Quick Install tab of the flag angle. Push curved portion of horizontal track down to lock in place. Level the horizontal track assembly and bolt the top rail of the horizontal track to the encountered slot in the flag angle / angle mount using (1) 1/4" - 20 x 9/16" track bolt, (1) 1/4" - 20 flange hex nut and (1) 5/16" washer. Repeat for other side.

IF YOU HAVE FULLY ADJUSTABLE FLAG ANGLES OR RIVETED TRACK ASSEMBLIES: To install horizontal track, place the curved end over the top track roller of the top section. Align the bottom rail end of the horizontal track with the top of the vertical track. Tighten the bottom rail of the horizontal track to the flag angle with (2) 1/4" - 20 x 9/16" track bolts and (2) 1/4" - 20 flange hex nuts.

ADJUSTING TOP FIXTURES

With horizontal tracks installed, you can now adjust the top fixtures. Vertically align the top section of the door with the lower sections. Once aligned, position the top fixture slide, out against the horizontal track. Maintaining the slide’s position, tighten the (2) 1/4" - 20 flange hex nuts to secure the top fixture slide to the top fixture base.

NOTE: Repeat the same process for the other side.
Attaching Cable Lift Sheaves

**NOTE:** Using the illustrations below, identify which cable lift sheave assemblies were provided with your door.

**FOR 3” OR 4” SHEAVES, WITH NO SHEAVE SADDLE:** Place a 3/8” - 16 x 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. Repeat the same process for the other side. Then loop the counterbalance cables over each sheave, as shown.

**FOR 5” SHEAVES, WITH SHEAVE SADDLE:** Position the sheave saddle over the 1” x 4” x 23” angle and align the slots in the sheave saddle with the corresponding holes in the 1” x 4” x 23” angle. While holding the sheave saddle in place, insert (1) 5/16” - 18 x 3/4” carriage bolt through each of the aligned holes and secure the assembly with 5/16” - 18 hex nuts. Repeat the same process for the other side. Then loop the counterbalance lift cables over each sheave.

Attaching Rear Back Hangs

**NOTE:** Temporarily support the horizontal track with rear back hangs as shown in illustrations, without lifting door.

Using the chart below, select the appropriate perforated angle (may not be supplied). Fabricate and install rear back hangs, as shown.

<table>
<thead>
<tr>
<th>Perforated Angle Gauge</th>
<th>Door Balance Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” x 2” x 12 Gauge</td>
<td>Less Than 800 lbs.</td>
</tr>
<tr>
<td>1-1/4” x 1-1/4” x 13 Gauge</td>
<td>Less Than 305 lbs.</td>
</tr>
<tr>
<td>1-1/4” x 1-1/4” x 15 Gauge</td>
<td>Less Than 220 lbs.</td>
</tr>
<tr>
<td>1-1/4” x 1-1/4” x 16 Gauge</td>
<td>Less Than 175 lbs.</td>
</tr>
</tbody>
</table>

**NOTE:** Repeat the same process for right hand side.

Torsion Spring Assembly

**NOTE:** Refer to Package Contents / Parts Breakdown, to determine if your door came with a coupler assembly. If your door came with a coupler assembly, the mounting surface needs to be a minimum of 17” wide. The two center bearing brackets will need to be spaced 12” to 14” apart at the center of the door, as shown.

**IMPORTANT:** Right and left hand is always determined from inside the building looking out.

**IMPORTANT:** Identify the torsion springs provided as either right wound (red winding cone) or left wound (black winding cone).

**NOTE:** On some single spring doors, the single spring can be longer than half the opening width. If your spring is longer, then the center bracket must be mounted off center for the
spring to fit properly. Measure spring length to determine appropriate center bracket location.

NOTE: if your door came with a center coupler assembly or if it utilizes 3-3/4" springs, the springs will not share a center bracket.

NOTE: if your door has (4) springs, split the distance between the center of the door and the end bracket on each side to locate the intermediate center brackets.

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

IMPORTANT: REFERENCE THE ILLUSTRATIONS FOR PROPER SPRING POSITIONING WHEN MORE THAN 2 SPRINGS ARE PROVIDED.

IMPORTANT: IN APPLICATIONS WHERE MORE THAN ONE SPRING SHARES A CENTER BRACKET, USE ONLY 1 BEARING IN THE SPRING. ATTEMPTING TO USE 2 BEARINGS CAN DAMAGE THE BEARINGS AND / OR SPRING CONES.

Facing the inside of the door, either lay the torsion shaft / torsion keyed shaft on the floor or lay the (2) torsion shaft / torsion keyed shafts on the floor, one torsion keyed shaft on the left hand side and the other torsion keyed shaft on the right hand side.

IMPORTANT: DEPENDING ON YOUR DOOR APPLICATION, USE ONE OF THE THREE ILLUSTRATIONS, SHOWN BELOW TO ASSEMBLE YOUR TORSION COUNTERBALANCE SYSTEM.

IF YOU HAVE ONE OR TWO TORSION SPRINGS AND ONE PIECE TORSION SHAFT:

One or two springs, one piece shaft

IMPORTANT: ON SINGLE SPRING APPLICATIONS, ONLY A RIGHT WOUND (RED WINDING CONE), WHICH GOES ON THE RIGHT HAND SIDE IS REQUIRED.

Left wound, black winding cone (left hand side)

Torsion shaft or Torsion keyed shaft

Oval bearing

IF YOU HAVE FOUR TORSION SPRINGS AND ONE PIECE TORSION KEYED SHAFT:

Four springs, one piece shaft

Right wound, red winding cone (right hand side)

Left wound, black winding cone (left hand side)

Torsion shaft or Torsion keyed shaft

Center bearing

IF YOU HAVE TWO OR FOUR TORSION SPRINGS AND TWO PIECE TORSION KEYED SHAFTS:

Two or four springs, two piece shafts

Right wound, red winding cone (left hand side)

Left wound, black winding cone (left hand side)

Coupler halves

Torsion keyed shaft

Center bearing

Oval bearing

Disassemble the coupler assembly by removing the (3) 3/8" - 16 x 1-1/2" hex head screws, (6) 3/8" Washers, (3) 3/8" lock washers and the (3) 3/8" - 16 hex nuts from the coupler halves. Loosen the set screws. Set the components aside. Next, slide the flat edge of the coupler half flush with the side edge of the torsion keyed shaft. Insert (1) keyed shaft into the slot of both the coupler half and the slot in the torsion keyed shaft, as shown. Tighten the (2) set screws and the locking nut to secure the coupler half to the torsion keyed shaft.

NOTE: Tighten the set screws to 14-15 ft. lbs. of torque (once set screws contact the shaft, tighten set screws one full turn).

Repeat the same process for the other side.

Slide either the center bearing bracket or the center bearing(s) or the oval bearing(s) onto the torsion shaft / torsion keyed shaft(s) followed by the torsion spring(s).


WARNING CENTER BEARING BRACKETS WITH SPRINGS MUST BE SECURELY FASTENED INTO SOLID STRUCTURAL MEMBERS ONLY AND MUST BE ADEQUATELY REINFORCED TO HOLD THE LOAD OF TORSION SPRING ASSEMBLIES. FAILURE TO DO SO CAN CAUSE SEVERE OR FATAL INJURY.

NOTE: if applicable, it is recommended that 5/16" lag screws are pilot drilled using a 3/16" drill bit, prior to fastening the center bracket to the ceiling.

Referring to Step, Rear Back Hangs, either secure the center bearing bracket(s) to the ceiling using perforated angle at the center of the opening width using 3/8" - 16 x 3/4" hex head bolts and nuts (not supplied) or to wood blocking (adequate framing member(s)) at the center of the opening width using 5/16" x 1-5/8" RED HEAD hex head lag screws.

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).
**Adequate framing**

**Center brackets**

5/16" x 1-5/8" Hex head lag screws (RED HEAD) or 5/16" x 2-1/2" Hex head lag screw (RED HEAD)

5/16" x 1-5/8" Hex head lag screws (RED HEAD) or 5/16" x 2-1/2" Hex head lag screw (RED HEAD)

**5/16" x 1-5/8" Hex head lag screws (RED HEAD)**

**5/16" x 2-1/2" Hex head lag screw (RED HEAD)**

**IF YOU HAVE A TORSION SHAFT OR A TORSION KEYED SHAFT:** With assistance, pick up the torsion spring assembly and slide one end of the shaft through the rear support bracket. Extend the shaft through the bearing until the opposite end of the shaft can be inserted into the other rear support bracket. If your door came with oval bearing(s), loosely attach the oval bearing to the center bracket with (2) 3/8" - 16 x 1-1/2" hex head bolts and (2) 3/8" - 16 hex nuts, as shown. Repeat for others, if needed.

**One or Two springs:**

**Four springs:**

**Horizontal track**

**Center bracket assembly** (See image below)

5/16" x 1-5/8" Hex head lag screw (RED HEAD) or 5/16" x 2-1/2" Hex head lag screw (RED HEAD)

**Torsion spring**

5/16" x 1-5/8" Hex head lag screw (RED HEAD) or 5/16" x 2-1/2" Hex head lag screw (RED HEAD)

**Attaching Torsion Spring**

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

**FOR DOORS WITHOUT COUPLER ASSEMBLY:** Equalize the amount that the torsion shaft / torsion keyed shaft protrudes on each side. Align the stationary cone(s) of the torsion springs with the slots in the rear support bracket and secure using (2) 3/8" - 16 x 1-1/2" truss head bolts and (2) 3/8" - 16 hex nuts.

**FOR DOORS WITH A COUPLER ASSEMBLY:** At the middle of the two center bearing brackets, re-assemble the coupler assembly by loosely fastening the coupler halves together re-using the (3) 3/8" - 16 x 1-1/2" hex head screws, (6) 3/8" Washers, (3) 3/8" lock washers and the (3) 3/8" - 16 hex nuts, as shown.

**NOTE:** Ensure both torsion keyed shafts have equal amounts of the shafts extending from each rear support bracket.

Next, align the stationary cone(s) of the torsion springs with the slots in the rear support brackets and secure using (2) 3/8" - 16 x 1-1/2" truss head bolts and (2) 3/8" - 16 hex nuts. Repeat for opposite side. Secure all oval bearing(s), to the center bracket with (2) 3/8" - 16 x 1-1/2" hex head bolts and (2) 3/8" - 16 hex nuts.

**NOTE:** If you have 4 springs, secure the torsion spring(s) to the center bracket with (2) 3/8" - 16 x 1-1/2" hex head bolts and (2) 3/8" - 16 nuts.

**IMPORTANT:** NEVER USE MORE THAN ONE BEARING WHEN ATTACHING TWO SPRINGS TO ONE CENTER BRACKET.
**Attaching Counterbalance Lift Cables**

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

Slide the black cable drum against the left hand rear support bracket. Thread the counterbalance lift cable up and over the cable sheave. Position the cable drum and counterbalance lift cable, as shown. Hook the cable into the drum.

**NOTE:** For doors with a torsion keyed shaft, insert (1) key into the slot of both the black cable drum and the slot in the torsion keyed shaft, as shown.

Tighten the set screws in the black cable drum to 14-15 ft. lbs. of torque (once set screws contact the shaft, tighten screws one full turn).

Now, secure the coupler assembly (if applicable) by tightening the (3) 3/8" - 16 hex nuts.

**IMPORTANT:** CHECK EACH COUNTERBALANCE LIFT CABLE, MAKING SURE BOTH ARE SEATED PROPERLY ON THE SHEAVES, CABLE DRUMS, ARE SECURELY ATTACHED TO THE BOTTOM CORNER BRACKETS AND BOTH SIDES HAVE EQUAL COUNTERBALANCE LIFT TENSION.

Now, secure the coupler assembly (if applicable) by tightening the (3) 3/8" - 16 hex nuts.
Chalking Torsion Spring(s)

NOTE: If your springs have stenciling, then skip this step.
Draw a chalk line horizontally along the center of the torsion spring coils. As the torsion spring is wound, the chalk line will create a spiral. This spiral can be used to count and determine the number of turns that are applied on the torsion spring.

17 Securing Door for Spring Winding

With the door in the fully closed position, place locking pliers onto both vertical tracks just above the third track roller. This is to prevent the garage door from rising while winding springs.

NOTE: Check the following before attempting to wind torsion spring(s):

a. Counterbalance lift cables are secured at bottom corner brackets.

b. Counterbalance lift cables are routed unobstructed to cable drums.

c. Counterbalance lift cables are correctly installed and wound onto cable lift drums.

d. Counterbalance lift cables are taut and have equal tension on both sides.

e. Cable lift drums are against end bearing brackets and set screws are tight.

f. Torsion spring or springs are installed correctly.

NOTE: Door MUST be closed and locked when winding or making any adjustments to the torsion spring(s).

WARNING
FAILURE TO ENSURE DOOR IS IN A CLOSED POSITION AND TO PLACE LOCKING PLIERS ONTO VERTICAL TRACK CAN ALLOW DOOR TO RISE AND CAUSE SEVERE OR FATAL INJURY.

Winding Spring(s)

**WARNING**
WINDING SPRING IS AN EXTREMELY DANGEROUS PROCEDURE AND SHOULD BE PERFORMED ONLY BY A TRAINED DOOR SYSTEM TECHNICIAN USING PROPER TOOLS AND INSTRUCTIONS.

**WARNING**
USE ONLY SPECIFIED WINDING BARS, AS STATED IN STEP SECURING DOOR FOR SPRING WINDING (E7). DO NOT SUBSTITUTE WITH SCREWDRIVERS, PIPE, ETC. OTHER TOOLS MAY FAIL OR RELEASE FROM THE SPRING CONE AND CAUSE SEVERE OR FATAL INJURY.

**WARNING**
PRIOR TO WINDING THE SPRING, ENSURE YOU'RE WINDING IN THE PROPER DIRECTION AS SHOWN BELOW. OTHERWISE THE SPRING FITTING MAY RELEASE FROM SPRING AND RESULT IN SEVERE OR FATAL INJURY.

Check the label attached to the spring warning tag for the required number of complete turns to balance your door.

HOW TO WIND TORSION SPRINGS:

1. Insert one winding rod snugly into winding cone, to full socket depth.

2. Maintaining a tight grip on the winding rod rotate it slowly in the proper direction, as shown below.

3. If there is any slippage of the winding rod in the winding cone socket, reverse the direction of winding and return the cone to its original position. Remove the winding rod from the winding cone socket. Restart the winding rod in the socket. Start over at Step #1.

4. When the winding rod is vertical above the winding cone, insert another winding rod into one of the other sockets, being careful to seat it snugly and at full socket depth.

5. Hold the spring with the second winding bar, and remove the first.

6. Repeat Steps #2 through #5 until the complete turns have been applied.

IMPORTANT: AFTER WINDING THE SPRING(S), TIGHTEN THE (2) SET SCREWS TO 14-15 FT. LBS. OF TORQUE IN THE WINDING CONE. ONCE SET SCREWS CONTACT THE SHAFT, TIGHTEN SCREWS ONE FULL TURN.

**WARNING**
How the spring(s) should be wound in the direction the end coil points.

Finish installing Rear Back Hangs

NOTE: Complete Step Rear Back Hangs now to secure the Rear Back Hangs, then proceed to next Step.

Attaching Weather Seal
Permanently attach the weatherstrips on both door jambs and header. The weatherstrips were temporarily attached in Preparing the Opening, in the pre-installation section of this manual.

**NOTE:** When permanently attaching the weatherstrips to the jambs, avoid pushing the weatherstrips too tightly against the face of door.

![Diagram showing installation of weatherstrips](image)

### Balancing Door

Remove locking pliers. Lift door and check its balance. Adjustments to the required number of spring turns stated may be necessary. If door rises off floor more than 2 ft. under spring tension alone, reduce spring tension. If the door is hard to rise or drifts down on its own, add spring tension. A poorly balanced door can cause garage door operator problems.

To adjust spring tension, fully close door. Apply locking pliers to track above third track roller. Place locking pliers on torsion shaft, as shown in E5. Insert a winding rod into the winding cone. Push upward on the winding rod slightly while carefully loosening the set screws in the winding cone.

**IMPORTANT:** BE PREPARED TO SUPPORT THE FULL FORCE OF THE TORSION SPRING ONCE THE SET SCREWS ARE LOOSE.

Carefully adjust spring tension 1/4 turn. Retighten both set screws to 14-15 ft. lbs. of torque in the winding cone and repeat for the other side. Recheck door balance and re-adjust spring tension if needed.

**IMPORTANT:** DO NOT ADJUST MORE THAN 1 TURN FROM THE RECOMMENDED NUMBER OF TURNS.

If the door still does not operate easily, lower the door into the closed position, unwind spring(s) completely, and recheck the following items:

1. Is the door level?
2. Are the torsion shaft and flag angles level and plumb?
3. Does the distance between the flag angles equal door width plus 3-3/8" to 3-1/2"?
4. Do the counterbalance lift cables have equal tension? Adjust if necessary.
5. Rewind the spring(s).
6. Make sure door is not rubbing on jambs.

**IMPORTANT:** IF DOOR STILL DOES NOT BALANCE PROPERLY, THEN CONTACT A TRAINED DOOR SYSTEM TECHNICIAN.
Door Arm Hookup

Align hole in the door arm with holes in drawbar operator bracket tabs, as shown. Insert 5/16" x 1-1/4" clevis pin, making sure hole in clevis pin is outside of second tab of drawbar operator bracket. Insert hairpin cotter into clevis pin hole and spread hairpin cotter to secure assembly, as shown.

![Diagram of Door Arm Hookup]

Inside Lock

Install the inside lock on the second section of the door. Secure the lock to the section with (4) 1/4" - 20 x 1 1/16" self drilling screws. Square the lock assembly with the door section, and align with the square hole in the vertical track. The inside lock should be spaced approximately 1/8" away from the section edge.

IMPORTANT: INSIDE LOCK(S) MUST BE REMOVED OR MADE INOPERATIVE IN THE UN-LOCKED POSITION IF AN OPERATOR IS INSTALLED ON THIS DOOR.

![Diagram of Inside Lock]

Pull Down Rope

**WARNING**

DO NOT INSTALL PULL DOWN ROPE ON DOORS WITH OPERATORS. CHILDREN MAY BECOME ENTANGLED IN THE ROPE CAUSING SEVERE OR FATAL INJURY.

Measure and mark the jamb approximately 48" to 50" (1220 to 1270 mm) from floor on the right or left side of jamb. Drill 1/8" pilot hole for no. 6 screw eye. Tie the pull down rope to the no. 6 screw eye and to the bottom corner bracket, as shown.

![Diagram of Pull Down Rope]
Cleaning Your Garage Door

IMPORTANT: DO NOT USE A PRESSURE WASHER ON YOUR GARAGE DOOR!
While factory-applied finishes on garage doors are durable, it is desirable to clean them on a routine basis. Some discoloration of the finish may occur when a door has been exposed to dirt-laden atmosphere for a period of time. Slight chalking may also occur as a result of direct exposure to sunlight.

Cleaning the door will generally restore the appearance of the finish. To maintain an aesthetically pleasing finish of the garage door, a periodic washing of the garage door is recommended.

THE FOLLOWING CLEANING SOLUTION IS RECOMMENDED: A mild detergent solution consisting of one cup detergent (with less than 0.5% phosphate) dissolved into five gallons of warm water will aid in the removal of most dirt.

NOTE: The use of detergents containing greater than 0.5% phosphate is not recommended for use in general cleaning of garage doors.

CAUTION
NEVER MIX CLEANSERS OR DETERGENTS WITH BLEACH.

NOTE: Do not use any window cleaning fluids, scouring compounds, gritty cloths or solvent-based cleaners of any kind.

To clean polycarbonate windows, see www.Wayne-Dalton.com.

Painting Your Garage Door

Refer to Instruction Insert: Field Painting and Finishing Fiberglass or Steel Door Sections.

Maintaining The Finish On Your Garage Door

If the factory finish is beginning to fade, the door may require a field applied top coat. Depending on environment and usage, this may be necessary after 1 to 3 years of use. Refer to Instruction Insert: Field Painting and Finishing Fiberglass or Steel Door Sections.

Operation And Maintenance

OPERATING YOUR GARAGE DOOR: Before you begin, read all warning labels affixed to the door and the installation instructions and owner’s manual. When correctly installed, your Wayne Dalton door will operate smoothly. Always operate your door with controlled movement. Do not slam your door or throw your door into the open position, this may cause damage to the door or its components. If your door has an electric opener, refer to the owner’s manual to disconnect the opener before performing manual door operation below.

MANUAL DOOR OPERATION: For additional information on manual garage door operations go to www.dasma.com and reference TDS 165.

WARNING
DO NOT PLACE FINGERS OR HANDS INTO SECTION JOINTS WHEN OPENING AND/OR CLOSING A DOOR. ALWAYS USE LIFT HANDLES / SUITABLE GRIPPING POINTS WHEN OPERATING THE DOOR MANUALLY.

OPENING A DOOR: Make sure the lock(s) are in the unlocked position. Lift the door by using the lift handles/ suitable gripping points only. Door should open with little resistance.

CLOSING A DOOR: From inside the garage, pull door downward using lift handles / gripping point only. If you are unable to reach the lift handles/ suitable gripping points only, use pull down rope affixed to the side of door. Door should close completely with little resistance.

USING AN ELECTRIC OPERATOR:
IMPORTANT: PULL DOWN ROPES MUST BE REMOVED AND LOCKS MUST BE REMOVED OR MADE INOPERATIVE IN THE UNLOCKED POSITION.

When connecting a drawbar (trolley type) garage door operator to this door, a drawbar operator bracket must be securely attached to the top section of the door, along with any struts provided with the door. Always use the drawbar operator bracket supplied with the door. To avoid possible damage to your door, Wayne Dalton recommends reinforcing the top section with a strut (may or may not be supplied). The installation of the drawbar operator must be according to manufacturer’s instructions and force settings must be adjusted properly. Refer to the owner’s manual supplied with your drawbar operator for complete details on installation, operation, maintenance and testing of the operator.

MAINTAINING YOUR GARAGE DOOR: Before you begin, read all warning labels affixed to the door and the installation instructions and owner’s manual. Perform routine maintenance steps once a month, and have the door professionally inspected once a year. Review your Installation Instructions and Owner’s Manual for the garage door. These instructions are available at no charge from Wayne Dalton, a division of Overhead Door Corporation, P.O. Box 67, Mt. Hope, OH, 44660, or at www.Wayne-Dalton.com. For additional information on garage door/operator maintenance go to www.dasma.com and reference TDS 151, 167 and 179.

Monthly Inspections:
1. Visual Inspection: Closely inspect jams, header and mounting surface. Any material found not to be structurally sound must be replaced. It may be necessary to uninstall part or all of the door assembly in order to replace defective material. Refer to the supplemental instructions “Removing an Existing Door / Preparing the Opening” at www.Wayne-Dalton.com. Inspect the spring(s), counterbalance lift cables, track rollers, pulleys, rear back-hangs and other door hardware for signs of worn or broken parts. Tighten any loose screws and/or bolts, except on bottom corner brackets or on the counterbalance assembly. Check exterior surface of the door sections for any minor cracks. Verify door has not shifted right or left in the opening. If you suspect problems, contact a trained door system technician.

WARNING
GARAGE DOOR SPRINGS, COUNTERBALANCE LIFT CABLES, BRACKETS, AND OTHER HARDWARE ATTACHED TO THE SPRINGS ARE UNDER EXTREME TENSION, AND IF HANDLED IMPROPERLY, CAN CAUSE SEVERE OR FATAL INJURY. ONLY A TRAINED DOOR SYSTEMS TECHNICIAN SHOULD ADJUST THEM, BY CAREFULLY FOLLOWING THE MANUFACTURER’S INSTRUCTIONS.

WARNING
NEVER REMOVE, ADJUST, OR LOOSEN THE BOLTS, SCREWS AND/OR LAG SCREWS ON THE COUNTERBALANCE (END BEARING BRACKETS, DRUMS OR SPRING SYSTEM) OR BOTTOM CORNER BRACKETS OF THE DOOR. THESE BRACKETS ARE CONNECTED TO THE SPRING(S) AND ARE UNDER EXTREME TENSION. TO AVOID POSSIBLE SEVERE OR FATAL INJURY, HAVE ANY SUCH WORK PERFORMED BY A TRAINED DOOR SYSTEMS TECHNICIAN USING PROPER TOOLS AND INSTRUCTIONS.

TORQUEMASTER® PLUS SPRINGS: Pawl knob(s) (located on the TorqueMaster® end brackets above the door) should be engaged to prevent the door from rapidly descending in case of spring failure or forceful manual operation.

EXTENSION SPRINGS: A restraining cable or other device should be installed on the extension spring (located above the horizontal track) to help contain the spring if it breaks.

2. Door Balance: Periodically test the balance of your door. If you have a garage door drawbar operator, use the release mechanism so you can operate the door by hand when doing this test. Start with the door in the fully closed position. Using handles or suitable gripping points, lift the door to check its balance. Adjust TorqueMaster® or Extension spring(s), if door lifts by itself (hard to pull down) or if door is difficult to lift (easy to pull down). DO NOT attempt to repair or adjust Torsion Springs yourself. To adjust TorqueMaster® or Extension spring(s), refer to your installation instructions and owner’s manual. If in question about any of the procedures, do not perform the work. Instead, have it adjusted by a trained door systems technician.

3. Lubrication: The door should open and close smoothly. Ensure the door track rollers are rotating freely when opening and closing the door. If track rollers do not rotate freely, clean the door tracks, removing dirt and any foreign substances. Clean and lubricate (use a non-silicon based lubricant) graduated end hinges, center hinges, steel track rollers, bearings and torsion springs (torsion spring coil surfaces). DO NOT lubricate plastic idler bearings, nylon track rollers, door track. DO NOT oil a cylinder lock, if actuation is difficult use a graphite dust to lubricate.

CHECK FOR PRESENCE OF SAFETY LABELS:
TorqueMaster® Plus tag(s) (one per spring)

Drawbar operator bracket label

Torsion spring tag(s) (one per spring)

Residential warning label
The warning label will either be on the right or the left end side.

Bottom corner bracket warning labels

Manuel's Instructions and Force Settings
Installation of the opener must be according to the manufacturer's instructions and force settings.

Number of installed spring turns:

- (7' - 9") 17 - 1/2
- (7' - 3") 16 - 1/2
- (6' - 8") 15 - 1/2
- (6' - 6") 15
- (6' - 3") 14 - 1/2
- (8' - 0") 18
- (7' - 6") 17
- (7' - 0") 16
- (6' - 9") 15 - 1/2
- (6' - 5") 15
- (6' - 0") 14

Door height spring turns:

- (2501 S. State Hwy 121 Bus., Suite 200)
- Lewisville, TX 75067
- For service, call (800) 827-3667
- www.Wayne-Dalton.com

IMPORTANT!
High spring tension can cause serious injury or death. Which springs are connected, such as steel bracket and all cable fasteners, cables or supports. To avoid possible severe or fatal injury, have any such work performed by a trained door system technician using proper tools and instructions.

1. Operate door only when it is properly adjusted and free of obstructions.
2. Adjustments or repairs must be made by a trained door system technician using proper tools and instructions.
3. Do not stand or walk under a moving door.
4. An electrically operated door.
5. Due to constant extreme spring tension, do not attempt any adjustment, repair or alteration to any part of the door, door or door controls.
6. Do not permit children to operate garage door manually.
7. On electrically operated doors, pull down to the unlocked position.
8. Top section of door may need to be removed or made inoperative in the open (unlocked) position.
9. If a door becomes hard to operate, have necessary adjustments and/or repairs inoperative or is damaged, immediately have any alteration to any part of the door, door or door controls.
10. Test electric opener's safety features monthly, following opener manufacturer's instructions.
11. Visually inspect door and hardware manufacturer's instructions.
12. Repairs and adjustments using proper tools and instructions.
13. Do not hang tools, bicycles, hoses, clothing or anything else from horizontal tracks.
14. Track systems are not intended or designed to support such extra weight.
15. From the door manufacturer as needed.
16. Legibility and should order a replacement label from the product user should inspect this label periodically for legibility and should order a replacement tag from the door manufacturer, as needed.
17. The warning label will either be on the right or the left end side.
18. Do not, cover or paint over this label. Product instructions.
Limited Warranty

Models 9700 and 9510

Wayne Dalton, a division of Overhead Door Corporation ("Seller") warrants to the original purchaser of the Models 9700 and 9510 ("Product"), subject to all of the terms and conditions hereof, that the Product and all components thereof will be free from defects in materials and workmanship for the following period(s) of time, measured from the date of installation:

- Limited Lifetime Warranty* on the Product sections against:
  - Peeling, cracking, or chalking of the original factory-applied coating on the steel sections of the Product.
  - The Product becoming inoperable due to rust-through of the steel skin from the core of the Product section, caused by cracking, splitting, or other deterioration of the steel skin, or due to structural failure caused by separation or degradation of the foam insulation.
  - The Product hardware (except springs) and the tracks.

Seller warrants the factory attached overlay material against peeling, cracking, chalking, fading or delamination for a period of TWO (2) YEARS.

- Seller warrants those component parts of the Product not covered by the preceding provisions of this Warranty for a period of ONE (1) YEAR.

*Seller's obligation under this warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Any labor charges are excluded and will be the responsibility of the purchaser.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is made to the original purchaser of the Product only, and is not transferable or assignable. This warranty applies only to Product installed in a residential or other non-commercial application. It does not cover any Product installed in commercial or industrial building applications. This warranty does not apply to any unauthorized alteration or repair of the Product, or to any Product or component which has been damaged or deteriorated due to misuse, neglect, accident, failure to provide necessary maintenance, normal wear and tear, acts of God, or any other cause beyond the reasonable control of Seller or as a result of having been exposed to toxic or abrasive environments, including blowing sand, salt water, salt spray and toxic chemicals and forms.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE APPLICABLE WARRANTY PERIOD REFLECTED ABOVE. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL SELLER BE RESPONSIBLE FOR, OR LIABLE TO ANYONE FOR, SPECIAL, INDIRECT, COLLATERAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES, even if Seller has been advised of the possibility of such damages. Such excluded damages include, but are not limited to, loss of use, cost of any substitute product, or other similar indirect financial loss. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Claims under this warranty must be made promptly after discovery, within the applicable warranty period, and in writing to the authorized distributor or installer whose name and address appear below. The purchaser must allow Seller a reasonable opportunity to inspect any Product claimed to be defective prior to removal or any alteration of its condition. Proof of the purchase and/or installation date, and identification as the original purchaser, may be required. There are no established informal dispute resolution procedures of the type described in the Magnuson-Moss Warranty Act.

- SELLER:

- SELLER’S ADDRESS:
Thank you for your purchase.

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE

If you need assistance, please call 1-866-569-3799 (press Option 1) and follow the prompts to contact a customer service representative. They will be happy to handle any questions that you may have.

After installation is complete, leave this Installation Instructions And Owner’s Manual with the homeowner, or fasten it near garage door for easy reference.