Model 8700

EXTENSION, STANDARD LIFT

RESIDENTIAL

INSTALLATION INSTRUCTIONS AND OWNER’S MANUAL

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.

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.

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This Installation document is available at no charge from:
Wayne Dalton, a division of Overhead Door Corporation,
P.O. Box 67, Mt. Hope, OH., 44660, or online at www.Wayne-Dalton.com.
Important Safety Instructions

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.

IMPORTANT: REQUIRED STEP FOR SAFE AND PROPER DOOR OPERATION.

NOTE: Information assuring proper installation of the door.

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION. IF IN QUESTION ABOUT ANY OF THE PROCEDURES, DO NOT PERFORM THE WORK. INSTEAD, HAVE A TRAINED DOOR SYSTEMS TECHNICIAN DO THE INSTALLATION OR REPAIRS.

1. **READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.**
2. Wear protective gloves during installation to avoid possible cuts from sharp metal edges.
3. It is always recommended to wear eye protection when using tools, otherwise eye injury could result.
4. Avoid installing your new door on windy days. Door could fail during the installation causing severe or fatal injury.
5. Doors 12’-0” wide and over should be installed by two persons, to avoid possible injury.
6. Operate door only when it is properly adjusted and free from obstructions.
7. If a door becomes hard to operate, inoperative or is damaged, immediately have necessary adjustments and/or repairs made by a trained door system technician using proper tools and instructions.
8. DO NOT stand or walk under a moving door, or permit anybody to stand under an electrically operated door.
9. DO NOT place fingers or hands into open section joints when closing a door. Use lift handles/gripping points when operating door manually.
10. DO NOT permit children to operate garage door or door controls. Severe or fatal injury could result should the child become entrapped between the door and the floor.
11. Due to constant extreme spring tension, do not attempt any adjustment, repair or alteration to any part of the door, especially to springs, spring brackets, bottom corner brackets, fasteners, counterbalance lift 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.
12. On electrically operated doors, pull down ropes must be removed and locks must be removed or made inoperative in the open (unlocked) position.
13. Top section of door may need to be reinforced when attaching an electric opener. Check door and/or opener manufacturer’s instructions.
14. Visually inspect door and hardware monthly for worn and/or broken parts. Check to ensure door operates freely.
15. Test electric opener’s safety features monthly, following opener manufacturer’s instructions.
16. NEVER hang tools, bicycles, hoses, clothing or anything else from horizontal tracks. Track systems are not intended or designed to support extra weight. Track systems are not intended or designed to support extra weight.
17..THIS door may not meet the building code wind load requirements in your area. For your safety, you will need to check with your local building official for wind load code requirements and building permit information.

After installation is complete, fasten this manual near the garage door.

IMPORTANT: STAINLESS STEEL LAG SCREWS MUST BE USED WHEN INSTALLING CENTER BEARING BRACKETS, END BRACKETS, JAMB BRACKETS, DRAWBAR OPERATOR MOUNTING/SUPPORT BRACKETS AND DISCONNECT BRACKETS ON TREATED LUMBER (PRESERVATIVE-TREATED). STAINLESS STEEL LAG SCREWS ARE NOT NECESSARY WHEN INSTALLING PRODUCTS ON UN-TREATED LUMBER.

NOTE: It is recommended that 5/16” lag screws are pilot drilled using a 3/16” drill bit, prior to fastening.

IMPORTANT: WHEN INSTALLING 5/16” LAG SCREWS USING AN ELECTRIC DRILL/DRIVER, THE DRILL/DRIVER CLUTCH MUST BE SET TO DELIVER NO MORE THAN 200 IN-LBS OF TORQUE. FASTENER FAILURE COULD OCCUR AT HIGHER SETTINGS.

Tools Required

<table>
<thead>
<tr>
<th>Power drill</th>
<th>Flat tip screwdriver</th>
<th>Tape measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill bits: 1/8”, 3/16”, 9/32”, 7/16”, 1/2”</td>
<td>Pliers / Wire cutters</td>
<td>Step ladder</td>
</tr>
<tr>
<td>Ratchet wrench</td>
<td>Needle nose pliers</td>
<td>Level</td>
</tr>
<tr>
<td>Socket driver: 7/16”</td>
<td>Locking pliers</td>
<td>Pencil</td>
</tr>
<tr>
<td>Sockets: 7/16”, 1/2”, 9/16”, 5/8”</td>
<td>(2) Vise clamps</td>
<td>Saw horses</td>
</tr>
<tr>
<td>Socket extension: 3”</td>
<td>Wrenches: 7/16”, 1/2”, 9/16”, 5/8”</td>
<td>Leather gloves</td>
</tr>
<tr>
<td>Phillips head screwdriver</td>
<td>Hammer</td>
<td>Safety glasses</td>
</tr>
</tbody>
</table>

Package Contents

- Door sections (as required)
- Extension Springs
- Fully Adjustable flag angles RH/LH (as required)
- Riveted vertical track assemblies RH/LH (as required)
- Vertical tracks RH/LH (as required)
- Angle mount vertical track assemblies RH/LH (as required)
- Horizontal tracks RH/LH (as required)
- (2) Horizontal track angles (as required)
- Fully Adjustable jam brackets (as required)
- Weather seals & clips (as included)
- Bottom weather seal
- Cotter pin
- Graduated hinges
- Cotter ring
- Track rollers
- Pull down rope
When installing your door you must use sections of the appropriate height in the right stacking order. What sections heights you need to use in what order depends on the height of your door.

Unless your door is five sections in height, you will not receive an Intermediate II section.

Removing an Existing Door

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

WARNING
A POWERFUL SPRING RELEASING ITS ENERGY SUDDENLY CAN CAUSE SEVERE OR FATAL INJURY. TO AVOID INJURY, HAVE A TRAINED DOOR SYSTEMS TECHNICIAN, USING PROPER TOOLS AND INSTRUCTIONS, RELEASE THE SPRING TENSION.

For detailed information see supplemental instructions “Removing an Existing Door / Preparing the Opening”. These instructions are not supplied with the door, but 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.

Preparing the Opening

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 jamb 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) to 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 jamb, 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.

### 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>12&quot;,15&quot; Radius</td>
<td>98&quot; (2489 mm)</td>
<td>125&quot; (3175 mm)</td>
</tr>
<tr>
<td>7'1&quot; to 8'0&quot;</td>
<td>12&quot;,15&quot; Radius</td>
<td>110&quot; (2794 mm)</td>
<td>137&quot; (3480 mm)</td>
</tr>
</tbody>
</table>

### HEADROOM REQUIREMENTS

<table>
<thead>
<tr>
<th>TRACK TYPE</th>
<th>SPACE NEEDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>15&quot; Radius track</td>
<td>14-1/2&quot; (368 mm)</td>
</tr>
<tr>
<td>12&quot; Radius track</td>
<td>11&quot; (279 mm)</td>
</tr>
<tr>
<td>6&quot; LHR KIT</td>
<td>6&quot; (152 mm)</td>
</tr>
</tbody>
</table>

Suitable mounting surface 2" x 6" lumber minimum

Header board 2" x 6" lumber preferred

Min. Side room Clearance is 3 1/2"

Min. Side room Clearance is 3 1/2"

Weatherstrips

Weatherstrips

Jamb

Jamb

Weatherstrips

Weatherstrips

Quick Install track

Other track systems 1/8" to 1/4"
NOTE: The illustrations shown on this page are general representations of the door parts. Each specific door models 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.

1. **Fully Adjustable Flag Angles**
   Tools Required: Safety glasses, Leather gloves

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

   **NOTE:** Flag angles are right and left handed.

   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. Repeat for other side. Flange nuts will be secured after flag angle spacing is completed in step, Top Section.

   ![Flag angle](image)

2. **Horizontal Track Angles**
   Tools Required: Hammer, Safety glasses, Leather gloves

   **NOTE:** For larger doors, a full length horizontal track angle may not already be spot welded to the horizontal track. If the horizontal track angle is not welded, the horizontal track angle will be installed, as shown.

   Position the left hand horizontal track angle, as shown. Place the Quick Install tabs of the horizontal track angle in the key slot of the left hand horizontal track. Using a hammer, tap the horizontal track angle towards the curved end of the track until the alignment hole in the track and angle are aligned. Repeat for other side. Set tracks aside.

3. **Fully Adjustable Jamb Brackets**
   Tools Required: Tape measure, Safety glasses, Leather gloves

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

   **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. Secure jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut. Repeat for other side.

   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. Secure jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut. Repeat for other side.

   If a top jamb bracket was included, secure 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. Repeat for other side.

4. **Bottom Weather Seal**
   Tools Required: Power drill, 7/16" Socket driver, Tape measure, Safety glasses, Leather gloves

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

   Determine what size section you need to use for the bottom section. Align the ends of the bottom weather seal with the bottom of the section and attach with 1/4" - 20 x 7/8" self drilling screws, one on each end at least 6" from the end of the section and one every 18" in between.

5. **Cable Drum Assemblies and Track Rollers**
   Tools Required: Power drill, 7/16" Socket driver, Tape measure, Safety glasses, Leather gloves

   **NOTE:** Refer to Package Contents / Parts Breakdown, to determine which bottom corner brackets you have.

   Uncoil the counterbalance lift cables. Depending on which bottom corner brackets you have (reference illustrations below), slip the loop at the ends of the counterbalance lift cable over the milford pin of the bottom corner bracket or secure the cable loop to the clevis pin and bottom corner bracket using a 5/16" flat washer and a cotter pin. Repeat for other bottom corner bracket.

**WARNING**

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

Starting on the left hand side, attach the left hand bottom corner bracket to the left corner of the bottom section, making sure it is seated to the edges of the end cap, using (3) 1/4" - 14 x 7/8" RED HEAD self drilling screws and 1/4" - 14 x 7/8" self drilling screws. Repeat for right hand bottom corner bracket.

**IMPORTANT:** THE 1/4" - 14 X 7/8" RED HEAD SELF DRILLING SCREWS MUST BE MUST BE INSTALLED THROUGH THE HOLES OF THE BOTTOM CORNER BRACKETS, AS SHOWN.

**NOTE:** Check to ensure cable loop fits tightly over the milford pins.

Insert a short stem track roller with roller spacer (if applicable) into the bottom corner bracket. Repeat for other side.

**NOTE:** Verify bottom weather seal (bottom seal) is aligned with door section. If there is more than 1/2" excess bottom weather seal on either side, trim bottom weather seal even with door section.
**Graduated Hinge Attachment**

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

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

**NOTE:** The graduated and center hinges can be identified by the number stamped onto their lower hinge leaf.

**NOTE:** The #1, #2, #3, and #4 graduated end hinges (Wide body) serve as end hinges on all sections except for the top section.

**NOTE:** The #1 Center hinge(s) (Narrow body) serves as center hinges on all sections, except for the top section.

**NOTE:** Depending on the size of your door, one or more sections may require a strut.

Using sawhorses, lay sections together on a flat smooth surface. Ensure the hinges are on top of their corresponding sections. Referring to the strutting schedule below, determine how many struts your door needs and on what sections they are needed to be installed.

**NOTE:** Sections not noted in the strutting schedule, do not require a strut.

### Strutting Schedule

<table>
<thead>
<tr>
<th>Section Quantity</th>
<th>Section Type</th>
<th>Solid / Windows</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Top</td>
<td>Solid</td>
<td>6’0” - 10’0”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Windows</td>
<td>2”</td>
</tr>
<tr>
<td>Intermediate I</td>
<td>Solid</td>
<td>Windows</td>
<td>2”</td>
</tr>
<tr>
<td>Intermediate II</td>
<td>Solid</td>
<td>Windows</td>
<td>2”</td>
</tr>
<tr>
<td>Intermediate II</td>
<td>Solid</td>
<td>Windows</td>
<td>2”</td>
</tr>
<tr>
<td>Intermediate II</td>
<td>Solid</td>
<td>Windows</td>
<td>2”</td>
</tr>
<tr>
<td>Lock</td>
<td>Solid</td>
<td>-</td>
<td>2”</td>
</tr>
<tr>
<td>Bottom</td>
<td>Solid</td>
<td>-</td>
<td>2”</td>
</tr>
<tr>
<td>Bottom</td>
<td>Solid</td>
<td>-</td>
<td>2”</td>
</tr>
</tbody>
</table>

**NOTE:** All strut(s) are placed at the top of the section.

**INSTALLATION ON ALL SECTIONS (EXCEPT TOP SECTION):** Place the strut on the section up against the bottom of the hinges. Center the strut side to side on the section as shown. Secure to the section using (2) 1/4” - 14 x 7/8” self drilling screws at each end hinge location and (2) 1/4” - 14 x 7/8” self drilling screw at each center hinge location.

**INSTALLATION ON TOP SECTION:** Place the strut on the top section, center the strut side to side on the top edge of the top section. Secure to the section using (2) 1/4” - 14 x 7/8” self drilling screws at each end hinge location and (2) 1/4” - 14 x 7/8” self drilling screw at each center hinge location at each pre-marked location.

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**Tools Required:** Power drill, 7/16" Socket driver, Safety glasses, Leather gloves

**NOTE:** Refer to door section identification, located in the pre-installation section of this manual to determine what size sections you need to use as your lock (second) section, intermediate I (third) section, intermediate II (fourth section on a five section door) and top section. Measure your sections to make sure they are the correct height as indicated on the chart.

**IMPORTANT:** Depending on the size of your door, one or more sections may require a strut.
**Strut installation for other sections**

Inside step plate and into the outside step plate. Two step plates back to back. Secure step plates together with two No. 8 screws through the section. Be extremely careful to keep drill straight when drilling through the section.

**NOTE:**

Using the inside step plate’s second top most hole and bottom hole as a template, drill 7/16” diameter holes through the entire section.

**IMPORTANT:**

Top fixtures

Tools Required: Power drill, 7/16” Socket driver, (2) Saw horses, Tape measure, Safety glasses, Leather gloves

Align the top fixture base 3” down from the top section or below strut and even with the edge of the top section. The slotted half of the top fixture base should be facing upwards. Fasten to section through end cap using (4) 1/4” - 14 x 7/8” self drilling screws. Insert short stem track roller into top fixture slide. Repeat for other side.

**NOTE:**

If needed, ensure the top fixture slides are able to slide back and forth along the top fixture bases. If needed, loosen the (2) 1/4” - 20 flange hex nuts.

The bracket will be tightened and adjusted later, in step, Adjusting Top Fixtures.

**IMPORTANT:**

IF NO STRUT WAS INSTALLED ON THE TOP SECTION, PLACE (1) 1/4” - 14 X 7/8” SELF DRILLING SCREW INTO THE TOP PRE-PUNCHED HOLE IN EACH ENDSTILE OF THE TOP SECTION.

**Step Plate**

Tools Required: Power drill, (7/16”) Drill bits, Phillips screwdriver, 7/16” Wrench, (2) Saw horses, Pencil, Tape measure, Level, Step ladder, Safety glasses, Leather gloves

**NOTE:**

Refer to door section identification, located in the pre-installation section of this manual.

On the inside of the bottom section, locate the vertical center of the door. Center the inside step plate vertically no higher than 8” from the bottom of the door to the top of the step plate.

**IMPORTANT:** DO NOT MOUNT THE STEP PLATE HIGHER THAN 8” FROM THE BOTTOM OF THE SECTION.

Using the inside step plate’s second top most hole and bottom hole as a template, drill 7/16” diameter holes through the entire section.

**NOTE:**

Be extremely careful to keep drill straight when drilling through the section.

Now insert the outside step plate into the holes through the front of the door, mounting the two step plates back to back. Secure step plates together with two No. 8 screws through the inside step plate and into the outside step plate.

**Vertical Tracks**

Tools Required: Power drill, 3/16” Drill bit, 7/16” Socket driver, Tape measure, Level, Step ladder, Safety glasses, Leather gloves

**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 / Parts Breakdown, 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 track assemblies must be level from side to side. If the bottom section was shimmed to level it, the vertical track assembly on the shimmed side must be raised the height of the shim.
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. Drill 3/16” pilot holes into the door jamb for the lag screws.

**FOR QUICK INSTALL FLAG ANGLES OR FULLY ADJUSTABLE FLAG ANGLES:** 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.

**FOR RIVETED VERTICAL TRACK ASSEMBLY:** 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 as shown between the bottom section and vertical track. Hang counterbalance lift cable over flag angle. Repeat same process for other side.

**FOR ANGLE MOUNT VERTICAL TRACK ASSEMBLY:** Loosely fasten the slots in the wall angle to the jamb using 5/16” x 1-5/8” lag screws. Tighten lag screws, securing the bottom slot in the wall angle, maintain 3/8” to 5/8” spacing as shown between the bottom section and vertical track. Hang counterbalance lift cable over angle mount. Repeat same process for other side.

**STACKING SECTIONS**

Tools Required: Power drill, 7/16” Socket driver, Tape measure, Step ladder, Safety glasses, Leather gloves

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

**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 Parts Breakdown.

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

Place track rollers into graduated end hinges of remaining sections.

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

With assistance, lift second section and guide the track rollers into the vertical tracks. Lower section until it is seated against bottom section. Flip hinges up. Fasten center hinge(s) first; then end hinges last using 1/4” - 14 x 7/8” self-drilling 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 7/8” SELF-DRILLING 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.

**Top Section**

Tools Required: Power drill, 7/16” Socket driver, 7/16” Wrench, Step ladder, Tape measure, Safety glasses, Leather gloves

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 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 must be parallel to the door sections. Repeat for other side.

**IMPORTANT:** THE DIMENSION BETWEEN THE FLAG ANGLES OR WALL ANGLES MUST BE DOOR WIDTH PLUS 3-3/8” (86MM) TO 3-1/2” (89 MM) FOR SMOOTH, SAFE DOOR OPERATION.

**FOR QUICK INSTALL TRACK:** Complete the vertical track installation by securing the jamb bracket(s) and tightening the other lag screws. Repeat for other side.

**FOR FULLY ADJUSTABLE TRACK OR RIVETED TRACK:** Complete the vertical track installation by securing the jamb bracket(s) and tightening the other lag screws. Push the vertical track against the track rollers so that the track rollers are touching the deepest part of the curved side of the track; tighten all the track bolts and nuts. Repeat for other side.
**Drawbar Operator Bracket**

**Tools Required:** Power drill, 7/16” Socket driver, 1/2” Wrench, Step ladder, Tape measure, Safety glasses, Leather gloves

**IMPORTANT:** WHEN CONNECTING A TROLLEY TYPE GARAGE DOOR OPENER TO THIS DOOR, A WAYNE DALTON OPERATOR / TROLLEY BRACKET MUST BE SECURELY ATTACHED TO THE TOP SECTION OF THE DOOR IF ONE HAS BEEN PROVIDED, ALONG WITH ANY STRUTS PROVIDED WITH THE DOOR (IF A WAYNE DALTON OPERATOR / TROLLEY BRACKET WAS NOT PROVIDED WITH YOUR DOOR, THEN USE THE ONE PROVIDED BY YOUR OPERATOR MANUFACTURER). THE INSTALLATION OF THE OPERATOR MUST BE ACCORDING TO MANUFACTURER’S INSTRUCTIONS AND FORCE SETTINGS MUST BE ADJUSTED PROPERLY.

**NOTE:** For retrofit applications, the drawbar operator bracket must be aligned with an existing operator.

**NOTE:** Refer to illustrations to determine which top fixtures were supplied with your door.

**FOLLOW THE CORRESPONDING STEP BELOW:**

**A:** Place the bottom half of drawbar operator bracket inside the top half of drawbar operator bracket and flush against the inside surface of the top section. Adjust both the top and bottom halves out as far apart as possible on the section surface. Secure the bottom half drawbar operator bracket and the top half drawbar operator bracket together using (4) 5/16” - 18 x 1/2” carriage bolts and (4) 5/16” - 18 flange hex nuts.

**NOTE:** Install the 5/16” - 18 x 1/2” carriage bolts and the 5/16” - 18 flange hex nuts as far apart as possible, prior to securing both top and bottom halves together. Now, locate the center of the top section and align the center of the holes in the drawbar operator bracket assembly with the top section center line. Align the drawbar operator bracket assembly vertically.

Slide the top half of the drawbar operator bracket under the strut, keeping the drawbar operator bracket aligned with the center line. Remove the strut’s screws, if necessary and attach to the top section (through strut if necessary) using (3) 1/4” - 20 x 7/8” self drilling screws.

**NOTE:** If your door lacks a strut on the top section, ignore the previous paragraph.

Attach the bottom half of drawbar operator bracket to the section surface using (3) 1/4” - 20 x 7/8” self drilling screws.

**NOTE:** When attaching drawbar operator bracket to top section with strut, apply additional pressure to thread into the strut.

**B:** Locate the center of the top section. Position the drawbar operator bracket under the strut (if applicable) or align the drawbar operator bracket top edge with the top edge of the top section, as shown.

Attach the drawbar operator bracket using (3) 1/4” - 20 x 7/8” self drilling screws (as shown).

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**Horizontal Tracks**

**Tools Required:** Ratchet wrench, 9/16” 7/16” Socket, 9/16” 7/16” Wrench, Step ladder, Tape measure, Safety glasses, Leather gloves

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**WARNING**

DO NOT RAISE DOOR UNTIL HORIZONTAL TRACKS ARE SECURED AT REAR, AS OUTLINED IN STEP, REAR BACK HANGS, 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.

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**Adjusting Top Fixtures**

**Tools Required:** 7/16” Wrench, Step ladder, Tape measure, Safety glasses, Leather gloves

**ADJUSTING TOP FIXTURE SLIDE:** 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. Repeat for other side.

---

**Rear Back Hangs**

**Tools Required:** Ratchet wrench, Socket: 1/2” 5/8”, Wrench: 1/2” 5/8”, (2) Vice clamps, Tape measure, Level, Step ladder, Safety glasses, Leather gloves

Raise the door until the top section and half of the next section are in the horizontal track radius. Do not raise door any further since rear of horizontal tracks are not yet supported.
**WARNING**

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

Clamp a pair of vice clamps onto the vertical tracks just above the second track roller on one side, and just below the second track roller on the other side. This will prevent the door from raising or lowering while installing the rear back hangs.

Using the chart (Perforated Angle Gauge Weight Limitations) below, use the appropriate perforated angle (may not be supplied), (2) 5/16" x 1-5/8" hex head lag screws and (3) 5/16" bolts with nuts (may not be supplied); fabricate rear back hangs for the horizontal tracks. Attach the horizontal tracks to the rear back hangs with 5/16" - 18 x 1" hex bolts and nuts (may not be supplied).

**NOTE:** Doors heights over 8’0” or door widths over 11’0”, require an additional set of rear center back hangs to be installed and located at the middle of the horizontal tracks, see parts breakdown.

Using the chart (Perforated Angle Gauge Weight Limitations) below, use the appropriate perforated angle (may not be supplied), (2) 5/16" x 1-5/8" hex head lag screws and (3) 5/16" bolts with nuts (may not be supplied), fabricate rear center back hangs for the middle of the horizontal tracks. Attach the rear center back hangs to the horizontal tracks with (1) 3/8” truss head bolt and (1) 3/8” nut (may not be supplied).

Horizontal tracks must be level and parallel with door within 3/4” to 7/8” maximum of door edge.

**WARNING**

EXCEEDING THE RECOMMENDED LISTED DOOR WEIGHT LIMITATIONS OF SPECIFIC GAUGE PERFORATED ANGLES MAY RESULT IN DOOR FALLING WHEN RAISED, CAUSING SEVERE OR FATAL INJURY.

**WARNING**

VERIFY PERFORATED BACK HANG ANGLE LOAD RATINGS WITH BACK HANG ANGLE SUPPLIER.

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

**NOTE:** If an opener is installed, position horizontal tracks one hole above level when securing it to the rear back hangs.

**WARNING**

KEEP HORIZONTAL TRACKS PARALLEL AND WITHIN 3/4” TO 7/8” MAXIMUM OF DOOR EDGE, OTHERWISE DOOR COULD FALL, RESULTING IN SEVERE OR FATAL INJURY.

**IMPORTANT:** DO NOT SUPPORT THE WEIGHT OF THE DOOR ON ANY PART OF THE REAR BACK HANGS THAT CANTILEVERS 4” OR MORE BEYOND A SOUND FRAMING MEMBER.

**NOTE:** If rear / center back hangs are to be installed over drywall, use (2) 5/16” x 2” hex head lag screws and make sure lag screws engage into solid structural lumber.

**NOTE:** 26” angle must be attached to sound framing members and nails should not be used.

Now, 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.
Attaching Front Cable Lift Sheaves

Tools Required: Wrench: 9/16", (2) Vice clamps, Tape measure, Level, Step ladder, Safety glasses, Leather gloves

IF YOU HAVE 3" FRONT CABLE LIFT SHEAVE AND A 12" RADIUS HORIZONTAL TRACK:
STARTING ON THE LEFT HAND SIDE AND USING (1) 3/8" - 16 HEX NUT, secure the front cable lift sheave to the 13/32" hole near the top of the flag angle, as shown.

IF YOU HAVE 3" OR 4" FRONT CABLE LIFT SHEAVE AND A 15" RADIUS HORIZONTAL TRACK:
Starting on the left hand side and using (1) 3/8" - 16 hex nut, secure the front cable lift sheave to the first 13/32" hole in the horizontal angle, as shown.

Repeat the same process for the right hand side. Remove the locking pliers from the vertical tracks. With assistance, raise the door slowly into the open position making sure the door travels smoothly through the tracks. Clamp locking pliers to the back leg of both horizontal tracks, below the bottom track rollers to keep the door from lowering.

Attaching Extension Springs

Tools Required: Wrench: 9/16", Tape measure, Level, Step ladder, Safety glasses, Leather gloves

WARNING
FAILURE TO INSTALL SPRING SAFETY CABLES CAN RESULT IN SEVERE OR FATAL INJURY IN CASE OF SPRING BREAKAGE.

Position (1) 5/16" - 18 x 3-3/4" eye bolt and (1) 5/16" - 18 hex nut into the rear back hang, 6" to 8" above the horizontal track, as shown. Feed the spring safety cable through the rear back hang and tie the special knot around the “room side” of the 5 hole clip, as shown. Secure the eye bolt and 3 hole clip to the rear back hang using (1) 5/16" - 18 hex nut. Hook one end of the extension spring onto the eye bolt. Feed the spring safety cable through the rear extension spring loop and center of the extension spring then front spring loop, pull the spring safety cable taut and tie the special knot around the “jamb side” of the 3 hole clip. Repeat the same process for the other side.

IMPORTANT: SPRING SAFETY CABLES MUST BE TAUT.

Attaching Spring Sheaves

Tools Required: Wrench: 9/16", Tape measure, Level, Step ladder, Safety glasses, Leather gloves

Hook the sheave fork through the front loop of the extension spring and attach the sheave fork to the rear cable lift sheave using (1) 3/8" - 16 x 1-1/4" hex head bolt and (1) 3/8" - 16 hex nut. Thread the counterbalance lift cable over the front cable lift sheave and around the rear cable lift sheave and tie the special knot around the “horizontal angle” using a 3 hole clip, as shown. Insert one end of the large “S” hook into the “horizontal angle” with the 3 hole clip and the other end into the second slot of the horizontal angle, as shown. Repeat for the other side.
**Cable Adjustments**

Adjust counterbalance lift cables to create about 1" to 2" (25 mm to 50 mm) of initial extension spring stretch, with the door in the fully opened position. Measure relaxed extension spring length for your door height and verify with the chart below. Spring length must be the same for both extension springs to allow even door balance. Carefully remove the locking plungers from the horizontal track and lower the door into the closed position. Once the door is closed, measure the extension spring length in tension for both sides. Using the chart, verify the spring length in tension, is correct with your door height.

**NOTE:** It may be necessary to adjust spring length for proper door balance.

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Spring Length Relaxed (Door Open)</th>
<th>Spring Length Extended (Door Closed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'0&quot;</td>
<td>25&quot; (635 mm)</td>
<td>61&quot; (1549 mm)</td>
</tr>
<tr>
<td>6'6&quot;</td>
<td>25&quot; (635 mm)</td>
<td>64&quot; (1626 mm)</td>
</tr>
<tr>
<td>7'0&quot;</td>
<td>25&quot; (635 mm)</td>
<td>67&quot; (1702 mm)</td>
</tr>
<tr>
<td>7'6&quot;</td>
<td>27&quot; (686 mm)</td>
<td>72&quot; (1829 mm)</td>
</tr>
<tr>
<td>7'9&quot;</td>
<td>27&quot; (686 mm)</td>
<td>73-1/2&quot; (1867 mm)</td>
</tr>
<tr>
<td>8'0&quot;</td>
<td>27&quot; (686 mm)</td>
<td>75&quot; (1905 mm)</td>
</tr>
</tbody>
</table>

**Final Adjustments**

Tools Required: Tape measure, Level, Step ladder, Safety glasses, Leather gloves

Now lift the door and check its balance. If the door is hard to pull down or lifts by itself, adjust extension spring length by moving the "S" hook backward (towards the rear back hangs) to a different hole in the horizontal angle.

If the door is difficult to lift or too easy to pull down, adjust extension spring length by moving the "S" hook forward (towards the header) to a different hole in the horizontal angle.

**IMPORTANT:** WHENEVER ADJUSTING EXTENSION SPRING LENGTH FOR DOOR BALANCE, ALWAYS OPEN THE DOOR TO THE FULLY OPEN POSITION AND RETURN THE LOCKING PLIERS TO THE HORIZONTAL TRACKS BELOW THE BOTTOM TRACK ROLLERS.

If the door still does not operate easily, lower the door into the closed position and recheck the following items:

1.) Check the door for level.
2.) Check the distance between flag angles - must be door width plus 3-3/8" + 1/4" - 0".
3.) Check the counterbalance lift cables for equal tension - adjust by re-tieing the special knot.

**Label Placement**

Tools Required: Safety glasses, Leather gloves

**IMPORTANT:** USING THE ILLUSTRATION, ATTACH THE APPROPRIATE LABELS TO THE APPROPRIATE LOCATION ON THE SECTION, AS SHOWN.

**NOTE:** The Spring Warning tags are factory attached (one per spring).

**NOTE:** Because of different configurations, some labels may require minor relocations.

Factory Attached, Torsion spring tags (one per spring)

Additional labels may include:
- Operator bracket label
- Residential warning label
- Bottom section warning labels

**NOTE:** CLOSE "S" HOOKS AND EYE BOLTS TO PREVENT SPRINGS FROM COMING LOOSE.

**WARNING**

FAILURE TO CLOSE "S" HOOKS AND EYE BOLTS CAN RESULT IN SEVERE FATAL INJURY IF SPRINGS COME LOOSE.
Optional Installation

**Inside Lock**

Install the inside lock on the second section of the door. Secure the lock to the section with (4) 1/4" x 11/16" 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 UNLOCKED POSITION IF AN OPERATOR IS INSTALLED ON THIS DOOR.

**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.

**Door Arm Hookup**

**NOTE:** If overhead door operator/trolley bracket was installed, follow these directions.

Align hole in the door arm with holes in drawbar operator bracket tabs, as shown. Attach with 5/16" x 1-3/4" cotter pin and cotter ring.
**Cleaning Your Garage Door**

Like any other exterior surface, Wayne Dalton garage doors will have dirt exposure from atmospheric conditions. Ordinarily, the cleaning action of rainfall will be adequate to wash the door, or the door can be washed periodically by hosing with a garden hose and clear water (in particular) for the areas not accessible to rain. If you desire to do a more thorough cleaning, or where soil collection conditions occur, follow these simple instructions.

1. Use a soft-bristled, long-handled washing brush. It attaches to your garden hose and makes washing your garage door easier. Do not rub vigorously which may create glossy areas over the vinyl finish.

2. For hard-to-remove dirt, such as soot and grime found in industrial areas, wash the garage door down with a mild solution consisting of the following ingredients:
   
   One cup detergent (with less than 0.5% phosphate) dissolved into five gallons of warm water.

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

   **NOTE:** Be sure to clean behind weather stripping on both sides and top of door.

3. Start at the bottom and work up to the top, as less streaking will result. Immediately following all washing operations, thoroughly rinse the surface area with fresh water from a garden hose.

This cleaning and maintenance information is suggested in an effort to be of assistance; however, manufacturer cannot assume responsibility for results obtained which are dependent on the cleaning solution and method of application.

**DO NOT PAINT DOOR. PAINTING DOOR WILL VOID YOUR WARRANTY.**

**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 movements. 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.

**IMPORTANT:** 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 or a high friction area 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, an drawbar operator and or 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 and or drawbar operator bracket supplied with the door. To avoid possible damage to your door, Wayne Dalton recommends reinforcing the top section on models 8000, 8100, 8200 and 9100 doors 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 jamb, header and mounting surface. Any wood found

   not to be structurally sound must be replaced. Inspect the springs, 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. 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, have a trained door system technician make the repairs.

**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 OR CENTER BEARING BRACKETS) 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.

Torsion Springs: The torsion springs (located above the door) should only be adjusted by a trained door systems technician. DO NOT attempt to repair or adjust torsion springs yourself.

Extension Springs: A restraining cable or other device should be installed on the extension spring (located above the horizontal tracks) 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. 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, steel track rollers and bearings. 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.
Limited Warranty

Model 8700

Wayne Dalton, a division of Overhead Door Corporation ("Seller") warrants to the original purchaser of the Model 8700 ("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:

- **FIFTEEN (15) YEARS** - Against peeling flaking, chipping or cracking of the vinyl skin.
- **FIVE (5) YEARS** - Against excessive color fading of the vinyl skin, not due to normal weathering, which materially alters the color of the Product and cannot be remedied by cleaning with the recommended solution.
- **ONE (1) YEAR** - All other components of the Product.

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, improper installation of hardware, puncture, normal wear and tear, or acts of God or any other cause beyond the reasonable control of Seller.

This warranty specifically excludes any damage resulting from scratching, abrasion or impact by any hard object or exposure to toxic or abrasive environments including toxic chemicals or fumes, and any fading or color change which may not be uniform due to unequal exposure of the curtains to sunlight or other elements. The Product is not recommended for use in hot, dry climates. This warranty specifically excludes coverage for any Product used or installed in Utah, Arizona, Nevada, New Mexico, Colorado and the West and Southwest regions of Texas. The Limited Warranty for the sections of the door will be voided if sections are painted.

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.

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. 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, fasten this manual near garage door for easy reference.