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.
**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.

**REMEMBER:** 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 system 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 or walk under an electrically operated door.

9. DO NOT place fingers or hands into open section joints when closing a door. Use lift handles or 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.

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.

18. For windloaded doors, the wind performance is achieved via the entire door system and component substitution is not authorized without express permission by Wayne Dalton.

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

---

**WARNING**
Impact guns are not recommended. 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.

**TABLE:**

<table>
<thead>
<tr>
<th>Potential Hazard</th>
<th>Effect</th>
<th>Prevention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moving door</td>
<td>WARNING</td>
<td>Could result in Death or Serious Injury</td>
</tr>
<tr>
<td>High tension spring</td>
<td>WARNING</td>
<td>Could result in Death or Serious Injury</td>
</tr>
</tbody>
</table>

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

**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 system technician, using proper tools and instructions, release the spring tension.

To avoid possible injury 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 jamb and header material. The jams and header must be securely fastened to sound framing members. It is recommended that 2” x 6” lumber be used. The jams must be plumb and the header level. The jams should extend a minimum of 12” (305 mm) above the top of the opening for TorqueMaster® counterbalance systems. For low headroom applications, the jams 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 jams, 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 jams.

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

**NOTE:** Do not permanently attach weatherstrips to the header and jams 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” to 7’0”</td>
<td>12’ Or 15’ Radius</td>
<td>102” (2591 mm)</td>
<td>125” (3175 mm)</td>
</tr>
<tr>
<td>7’1” to 8’0”</td>
<td>12’ Or 15’ Radius</td>
<td>114” (2896 mm)</td>
<td>137” (3480 mm)</td>
</tr>
</tbody>
</table>

### HEADROOM REQUIREMENTS

<table>
<thead>
<tr>
<th>Track Type</th>
<th>Space Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>3” LHR</td>
<td>7” (178 mm)</td>
</tr>
<tr>
<td>6” LHR</td>
<td>8-1/2” (216 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.

- (2) Top fixtures
- (2) Lift handles & Spacers
- Cable drums RH/LH
- Center bracket (if included)
- Center bracket bushing
- Torsion springs RH/LH
- End bearing brackets RH/LH
- Strut (U-shaped) (if included)
- (2) Roller spacers (as required)
- (2) Step plates (as required)
- (2) Counterbalance lift cables
- (2) 3/8” - 16 x 3/4” Truss head bolts
- (2) 3/8” - 16 x 3/4” Hex head bolts (as required)
- 1/4” - 20 x 7/8” Self drilling screws (as required)
- 1/4” - 20 x 11/16” Self drilling screws (RED HEAD) (as required)
- 1/4” - 20 x 11/16” Self drilling screws (as required)
- (2) Graduated hinges (as required)
- (2) 3/8” - 16 x 1-1/2” Hex head bolts (as required)
- 3/8” - 16 x 1-1/2” Hex head bolts (as required)
- 1/4” - 20 x 11/16” Self drilling screws (as required)
### Door Section Identification

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Bottom</th>
<th>Lock (secondary)</th>
<th>Intermediate I (third)</th>
<th>Intermediate II (fourth)</th>
<th>Intermediate III (fifth)</th>
<th>Intermediate IV (sixth)</th>
<th>Intermediate V (seventh)</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'0&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>N/A</td>
<td>18&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6'3&quot;</td>
<td>21&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td></td>
<td>18&quot;</td>
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<td></td>
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<tr>
<td>6'6&quot;</td>
<td>21&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td></td>
<td>21&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6'9&quot;</td>
<td>21&quot;</td>
<td>21&quot;</td>
<td>21&quot;</td>
<td></td>
<td>21&quot;</td>
<td></td>
<td></td>
<td></td>
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<tr>
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<td>21&quot;</td>
<td>21&quot;</td>
<td></td>
<td>21&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7'6&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>N/A</td>
<td>18&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7'9&quot;</td>
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<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td></td>
<td>21&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8'0&quot;</td>
<td>21&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
<td></td>
<td>21&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When installing your door, you must use sections of the appropriate height in the right stacking order. What section heights you need to use in what order depends on the height of your door.

- **Bottom Section** can be identified by the factory attached bottom astragal, the factory attached bottom corner brackets, and by the bottom corner bracket warning labels on each end stile.

- **Intermediate I Section** may have a warning label attached to either right or left hand end stile of the section. This section is always the 3rd section from the bottom of the door.

### Tools Required

- Power drill
- Socket driver: 7/16"
- Level
- Drill bits: 1/8", 3/16", 9/32", 7/16", 1/2"
- Ratchet wrench
- Tape measure
- Pliers / Wire cutters
- Flat tip screwdriver
- Phillips head screwdriver
- Wrenches: 3/8", 7/16", 1/2", 9/16", 5/8"
- 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.

A. FLAG ANGLES (AS REQUIRED):
  A1. Quick Install (Q.I.) Flag Angles
  A2. Fully Adjustable (F.A.) Flag Angles

B. JAMB BRACKETS (AS REQUIRED):
  B1. Quick Install (Q.I.) Jamb Brackets
  B2. Fully Adjustable (F.A.) Jamb Brackets

C. TRACK ROLLERS (AS REQUIRED):
   C1. Short Stem Track Rollers
   C2. Long Stem Track Rollers

D. GRADUATED END HINGES:
   D1. Single Graduated End Hinges (S.E.H.), Industry Standard
   D2. Double Graduated End Hinges (D.E.H.), Industry Standard

E. STACKED SECTIONS:
   E1. Top Section
   E2. Intermediate(s) Section
   E3. Lock Section
   E4. Bottom Section

F. TOP FIXTURE ASSEMBLIES (AS REQUIRED):
   F1. Top Fixtures

G. STRUT(S) (AS REQUIRED):
   G1. Strut (U - shaped)

H. DRAWBAR OPERATOR BRACKET (FOR TROLLEY OPERATED DOORS):
   H1. Drawbar Operator Bracket (Supplied By Others)

TRACKS (AS REQUIRED):

I1. Left Hand Horizontal Track Assembly
I2. Right Hand Horizontal Track Assembly
I3. Left Hand Vertical Track
I4. Right Hand Vertical Track
I5. Left Hand Riveted Vertical Track Assembly
I6. Right Hand Riveted Vertical Track Assembly
I7. Left Hand Angle Mount Vertical Track Assembly
I8. Right Hand Angle Mount Vertical Track Assembly

J. TORSION SPRING ASSEMBLY (AS REQUIRED):
   J1. Left Hand and Right Hand Torsion Springs (As Required)
   J2. Counterbalance Lift Cables
   J3. Left Hand End Bearing Bracket
   J4. Right Hand End Bearing Bracket
   J5. Left Hand Cable Drum
   J6. Right Hand Cable Drum
   J7. Center Bracket
   J8. Center Bracket Bushing
   J9. Torsion Shaft

K. REAR BACK HANGS:
   K1. Left Hand and Right Hand Rear Back Hang Assemblies

L. BOTTOM CORNER BRACKETS (AS REQUIRED):
   L1. Left Hand And Right Hand Bottom Corner Brackets
DOOR INSTALLATION INSTRUCTIONS

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.


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: 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.

Robert J. Allen, Co-founder, President & CEO

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.

2 Attaching Bottom Corner Brackets

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 MILFORD PIN COULD RESULT IN COUNTERBALANCE LIFT CABLE COMING OFF THE PIN, ALLOWING THE DOOR TO FALL, POSSIBLY RESULTING IN SEVERE OR FATAL INJURY.

Locate the left hand bottom corner bracket. Slide the left hand cable loop of the counterbalance lift cable onto milford 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. 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 with roller spacer into the bottom corner bracket. Repeat for other side.

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.
Attaching Top Fixtures To Top Section

Starting on the left hand side, align the lower slot of top fixture with the hole in the end cap of the top section and even with the edge of the top section, as shown. Fasten to section using a 1/4" - 20 x 11/16" self drilling screw. Repeat same process for other right hand side.

**NOTE:** The top fixture will be tightened and adjusted later, in step, Adjusting Top Fixture.

---

Attaching Hinges and Strut(s) To Sections

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

**NOTE:** The graduated hinges can be identified by the number stamped on the lower hinge leaf.

**NOTE:** The #1 graduated end hinges serves as end hinges on the bottom section. The #1 graduated end hinges also serves as center hinges on all sections, except for the top section.

**NOTE:** The #2 graduated end hinges serves as end hinges on the Lock section.

**NOTE:** The #3 graduated end hinges serves as end hinges on the Intermediate I section.

**NOTE:** The #4 graduated end hinges serves as end hinges on the Intermediate II section.

**ATTACHING HINGES TO SECTIONS:** Starting on the left hand side of the bottom section, align the lower hinge leaf of the #1 graduated end hinge over the holes, located at the top of the end caps. Attach lower leaf to the end caps with (2) 1/4" - 14 x 5/8" self tapping screws. Repeat for other side. Next, align the lower hinge leaf of the #1 center hinges with the pre-punched holes at each center stile location(s), located at the top of the bottom section. Attach lower hinge leaf to the center stile with (2) 1/4" - 14 x 5/8" self tapping screws.

**IMPORTANT:** Once the 1/4" - 14 x 5/8" self tapping screws are snug against the section surface and up against the bottom of the hinges. Center the strut side to side. Secure strut to the section using (2) 1/4" - 20 x 7/8" self drilling screws at each side of the center stile location(s).

**ATTACHING STRUTS TO SECTIONS:**

**NOTE:** Using the strut schedules below, determine the placement of the struts for your door model, door width and door height.

### Attaching Struts to Top Section

**NOTE:** Depending on your door some sections may or may not require a strut to be installed onto the section.

**NOTE:** All struts are placed at the top of the sections and up against the bottom of the graduated hinges, for the intermediate(s), lock and bottom sections.

**ATTACHING STRUTS ON ALL OTHER SECTIONS:** Locate and center the strut onto the section surface and up against the bottom of the hinges. Center the strut side to side. Secure strut to the section using (2) 1/4" - 20 x 7/8" self drilling screws at each end and center stile location(s).

---

### Strutting Schedule Key:

- **TS** = Top Section
- **IW** = Intermediate Section With Windows
- **I6** = Intermediate Section #6
- **I5** = Intermediate Section #5
- **I4** = Intermediate Section #4
- **I3** = Intermediate Section #3
- **I2** = Intermediate Section #2
- **I1** = Intermediate Section #1
- **BS** = Bottom Section
- **LS** = Lock Section
- **ES** = Every Section gets a strut.

### Strutting Schedule For Models 8000 and 8100

<table>
<thead>
<tr>
<th>Door Heights</th>
<th>Section Qty</th>
<th>Section Type</th>
<th>Door Widths</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>14&quot;0' - 16&quot;0'</td>
</tr>
<tr>
<td>6'0&quot; - 7'0&quot;</td>
<td>4</td>
<td>Solid</td>
<td>(1) TS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Windows</td>
<td>(1) TS</td>
</tr>
<tr>
<td>7'6&quot; - 8'0&quot;</td>
<td>5</td>
<td>Solid</td>
<td>(2) TS, BS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Windows</td>
<td>(1) 3&quot; TS, (1) 2&quot; BS</td>
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</tbody>
</table>

### Strutting Schedule For Model 8200

<table>
<thead>
<tr>
<th>Door Heights</th>
<th>Section Qty</th>
<th>Section Type</th>
<th>Door Widths</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>14&quot;0' - 16&quot;0'</td>
</tr>
<tr>
<td>6'0&quot; - 7'0&quot;</td>
<td>4</td>
<td>Solid</td>
<td>(2) TS, BS</td>
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<tr>
<td></td>
<td></td>
<td>Windows</td>
<td>(1) 3&quot; TS, (1) 2&quot; BS</td>
</tr>
</tbody>
</table>
5 Attaching Step Plate To Bottom Section

Locate the center most center stile of the bottom section of the door. On the inside of the door, center the step plate on the center most stile no higher than 6” from the bottom of the door. Using the step plate holes as a template, drill a 5/16” dia. hole along each side of the center stile, through the face of the door. Drill through insulation and door’s face on an insulated door.

IMPORTANT: BE EXTREMELY CAREFUL TO KEEP DRILL STRAIGHT.

Mount the inside step plate and the outside step plate back to back, straddling the center stile. Secure with (2) 1/4" - 20 x 2-3/4" carriage bolts and 1/4" - 20 hex nuts.

IMPORTANT: DO NOT MOUNT THE STEP PLATE HIGHER THAN 6” FROM THE BOTTOM OF THE SECTION.

6 Lift Handle

Tools Required: Power drill, 9/32"/1/2" Drill bits, 1/4" Wrench, Tape measure, Safety glasses, Leather gloves

NOTE: Doors with a Keyed lock do not require this lift handle.

Locate the inside center stile or the desired lift handle location on the lock (2nd) section of the door. Position the lower hole in the lift handle 4" from the bottom of the lock (2nd) section.

IMPORTANT: THE DISTANCE BETWEEN THE STEP PLATE AND THE MIDDLE OF THE LIFT HANDLE MUST BE 20" MINIMUM TO 30" MAXIMUM. IF NECESSARY REPOSITION THE UPPER LIFT HANDLE TO STAY WITHIN THE REQUIRED DIMENSION.

Using the lift handle holes as a template, drill (2) 9/32” dia. holes through the lock section. Enlarge the holes from the outside of the door to 1/2” dia.

NOTE: Make sure the counterbalance lift cable is located between the track rollers and the door jamb.

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 and install, as shown. Drill 3/16” pilot holes into the 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.

7 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.

8 Attaching Vertical Tracks To Jambs

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.

NOTE: Depending on your door some sections may or may not require a strut to be installed onto the section.

NOTE: Depending on your door sections may or may not require a strut to be installed onto the section.
9 Stacking Sections

NOTE: The sections can be identified by the graduation of the installed graduated end hinges. The smallest graduated end hinge on the 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 or 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. Flip hinges up. Fasten center hinge(s) first; then end hinges last using 1/4" - 14 x 5/8" self tapping screws.

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.

IMPORTANT: PUSH & HOLD THE HINGE LEAVES SECURELY AGAINST THE SECTIONS WHILE SECURING WITH FASTENERS TO IT. THERE SHOULD BE NO GAP BETWEEN THE HINGE LEAVES AND THE SECTIONS.

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

10 Stacking Top Section

Place the top section in the opening. Install a nail to prevent the top section from falling backwards. 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 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.

11 Attaching Horizontal Tracks

NOTE: Depending on your door, you may have Quick Install Flag Angles, Fully Adjustable Flag Angles or you may have Riveted 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 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. Level the horizontal track assembly and bolt the top rail of the horizontal track to the encountered slot in the flag angle 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 top rail 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.

Next level the horizontal track assembly and bolt the top rail of the horizontal track to the encountered slot in the flag angle 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.

ATTACHING END BEARING BRACKETS
NOTE: Right and left hand is always determined from inside the garage looking out.
Using a tape measure, determine if the bottom curve of the horizontal track is either 12" or 15" radius. End bearing brackets are right hand and left hand. Starting with the left hand side, position the left hand end bearing bracket above the left hand flag angle, as shown. Loosely attach the end bearing bracket to the flag angle using (1) 3/8" - 16 x 3/4" truss head bolt and (1) 3/8" - 16 nut.
NOTE: Ensure the 3/8" - 16 x 3/4" truss head bolt is going through the inside portion of flag angle first and the 3/8" - 16 hex nut is on the outside of the flag angle, as shown.
IMPORTANT: SPACING SPECIFIED BELOW MUST BE MAINTAINED BETWEEN THE END BEARING BRACKET AND THE FLAG ANGLE. THIS IS TO ENSURE PROPER CLEARANCE OF THE COUNTERBALANCE LIFT CABLE.
NOTE: Prior to fastening end bearing brackets into the door jamb, pilot drill using a 3/16" drill bit.
Once the end bearing bracket is properly positioned as shown in the illustration, tighten the 3/8" - 16 nut to secure the end bearing bracket to the flag angle. Next, secure the end bearing bracket to the jamb using (2) 5/16" x 1-5/8" lag screws, as shown. Repeat same process for the other side.

ATTACHING CENTER BRACKET TO WALL
NOTE: Prior to fastening center bracket(s) to the header, pilot drill using a 3/16" drill bit.
First, locate the center of the door. Mark a vertical pencil line on the mounting surface above the door, at the center. Measure from the center of the bearing, in one of the end bearing brackets, downwards, to the top of the door. Using that measurement, measure that distance upwards from the top of the door to the mounting surface and mark a horizontal pencil line.
which intersects the vertical pencil line.
Mark a vertical pencil line on the mounting surface above the door, at the center. Align the
edge of the center bracket with the vertical pencil line and the center of the center bracket
with the horizontal pencil line; this is to ensure the torsion shaft is level between the center
and end bearing brackets.

**NOTE:** On some single spring doors, the 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 adding room for spring growth during winding, to determine
appropriate center bracket location.

Attach the center bracket to the mounting surface, using 5/16” RED HEAD lag screws, as
shown.

**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.
IF MOUNTING SURFACE IS A 2” X 6” BOARD INSTALLED ON TOP OF MASONRY, DRILL A
CLEARPANCE HOLE IN MASONRY FOR THE 5/16” X 2-1/2” RED HEAD LAG SCREWS.

**Spring mounting**

15 Torsion Spring Assembly

**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), WHICH GOES ON THE LEFT HAND SIDE OR LEFT WOUND (BLACK WINDING
CONE), WHICH GOES ON THE RIGHT HAND SIDE.

**IMPORTANT:** ON SINGLE SPRING APPLICATIONS, ONLY A LEFT WOUND (BLACK
WINDING CONE), IS REQUIRED.

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

Facing the inside of the door, lay the torsion shaft on the floor. Lay the torsion spring with the
black winding cone and the black cable drum at the right end of the torsion shaft. Lay the
torsion spring with the red winding cone and the red cable drum at the left end of the torsion
shaft. Slide the center bracket bearing onto the torsion shaft followed by the torsion springs
and cable drums.

**IMPORTANT:** THE CENTER BRACKET BEARING, TORSION SPRING(S) AND CABLE DRUMS
MUST BE POSITIONED AND ORIENTED, AS SHOWN.

**Attaching Springs to Center Bracket**

**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.

Slide center bracket bearing into the spring. Align the stationary spring cone(s) with the holes
in the center bracket bearing assembly. Secure the torsion spring(s) to the center bracket assembly
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:** VERIFY THAT THERE ARE NO OBSTRUCTIONS IN THE TRAVEL PATH OF THE DOOR SECTIONS OR COUNTERBALANCE LIFT CABLES.

Starting on the left hand side, thread the counterbalance lift cable up and around the front side of the left hand cable drum.

**NOTE:** Always assemble the left hand cable and cable drum first to help maintain equal cable tension on both sides of the door.

Hook the counterbalance lift cable into the left hand cable drum. Slide the left hand cable drum up against the left hand end bearing bracket. Counterbalance lift cable should terminate at the 3 o’clock position. Tighten the (2) set screws on the shaft to 14-15 ft. lbs. or torque (once set screws contact the shaft, tighten screws one full turn). Rotate the left hand drum and torsion shaft until counterbalance lift cable is taut. Now attach locking pliers to the torsion shaft and brace locking pliers up against jamb to keep counterbalance lift cable taut. Repeat for right hand side.

**IMPORTANT:** INSPECT EACH COUNTERBALANCE LIFT CABLE MAKING SURE IT IS SEATED PROPERLY ONTO THE CABLE DRUM AND THAT BOTH COUNTERBALANCE LIFT CABLES HAVE EQUAL TENSION.

**CHECK COUNTERBALANCE LIFT CABLES FOR EQUAL TENSION:**
1. Attach locking pliers to track above top roller.
2. Grasp cable at approximate mid-door height location.
3. Draw cable toward you about 1/2” to 1” and release, noting the response of the cable.
4. Repeat above steps for other cable.
5. Adjust cable tension as needed until right and left cables both respond the same.

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

**Winding Spring(s)**

**WARNING**

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

**WARNING**

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

**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.

Position a ladder slightly to the side of the spring so that the winding cone is easily accessible, and so your body is not directly in line with the winding bars. 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. Reset 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 springs, 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.

**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.

NOTE: Door not shown for clarity.

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 C5. 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.
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" - 20 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.
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.

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

![CAUTION](image)

**NEVER MIX CLEANSERS OR DETERGENTS WITH BLEACH.**

To clean polycarbonate windows, see [www.Wayne-Dalton.com](http://www.Wayne-Dalton.com).

Painting Your Garage Door

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 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](http://www.dasma.com) and reference TDS 165.

![WARNING](image)

**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. 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](http://www.Wayne-Dalton.com). For additional information on garage door/operator maintenance go to [www.dasma.com](http://www.dasma.com) and reference TDS 151, 167 and 179.

**Monthly Inspections**:

1. **Visual Inspection**: Closely inspect jamb, 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](http://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](image)

**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(s)) to help contain the spring if it breaks.

2. **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. **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**
Limited Warranty
Models 8000, 8100, 8200

Wayne Dalton, a division of Overhead Door Corporation ("Seller") warrants to the original purchaser of the Models 8000, 8100, 8200 ("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:

TEN (10) YEARS from the date of installation against:
- The Product becoming inoperable due to rust-through of the steel skin from the core of the Product section, due to cracking, splitting, or other deterioration of the steel skin, or due to structural failure caused by separation or degradation of the foam insulation.
- Peeling of the original paint as a result of a defect in the original paint or in the application of the original paint coating.

TEN (10) YEARS on Product hardware and tracks (except springs).

ONE (1) YEAR on all other component and parts.

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 fumes.

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.