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

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE
If you need assistance, please call 1-866-569-3799 (press Option 1) and follow the prompts to contact a customer service representative. They will be happy to handle any questions that you may have.

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.

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 fall 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/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 systems 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. It is always recommended that 5/16” lag screws are pilot drilled using a 3/16” drill bit, prior to fastening.
18. For windloaded doors, the wind performance is achieved via the entire door system.

**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>
<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 systems 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 plumbed 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 jam, fit the weatherstrip up tight against the temporarily attached weatherstrip in the header and flush with the inside edge of the jam. 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, fill 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>6” Low Headroom</td>
<td>103-1/2” (2629 mm)</td>
<td>125” (3175 mm)</td>
</tr>
<tr>
<td>7'1” to 8'0”</td>
<td>115-1/2” (2934 mm)</td>
<td>137” (3480 mm)</td>
<td></td>
</tr>
<tr>
<td>8'1” to 9'0”</td>
<td>127-1/2” (3239 mm)</td>
<td>168” (4267 mm)</td>
<td></td>
</tr>
<tr>
<td>9'1” to 10'0”</td>
<td>139-1/2” (3543 mm)</td>
<td>168” (4267 mm)</td>
<td></td>
</tr>
<tr>
<td>10'1” to 12'0”</td>
<td>163-1/2” (4153 mm)</td>
<td>See “NOTE”</td>
<td></td>
</tr>
<tr>
<td>12'1” to 14'0”</td>
<td>187-1/2” (4763 mm)</td>
<td>See “NOTE”</td>
<td></td>
</tr>
</tbody>
</table>

**HEADROOM REQUIREMENTS**

<table>
<thead>
<tr>
<th>Track Type</th>
<th>Space Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” Low Headroom</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.
Door Section Identification

Graduated end and center hinges are always pre-attached at the top of each section (except top section) and the graduated end hinges are stamped for identification, #1, #2, #3, #4, #5 and #6. The stamp identifies the stacking sequence of the section. The sequence is always determined by #1 being the bottom section to #5 or #6 being the highest intermediate section. If the stamp on the graduated end hinge is illegible, refer to the section side view illustration. The section side view illustration shows the graduated end hinge profile of all sections, and can also be used to identify each section.

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

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

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

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

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

The **INTERMEDIATE SECTION IV** can be identified by #6 graduated end hinges.

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

Tools Required

- Power drill
- Socket driver: 7/16".
- Level
- Ratchet wrench
- Tape measure
- Pliers / Wire cutters
- Flat tip screwdriver
- Phillips head screwdriver
- 3" Ratchet extension
- Sockets: 7/16", 1/2", 9/16", 5/8".
- Vise clamps
- Hammer
- Step ladder
- Leather gloves
- Pencil
Locking pliers
Safety glasses
Approved winding bars
Saw horses
Locking pliers
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.), Anti-Pinch
   D2. Double Graduated End Hinges (D.E.H.), Anti-Pinch

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

I. TRACKS (AS REQUIRED):
   I1. Left Hand and Right Hand Horizontal Track Assemblies
   I2. Left Hand and Right Hand Vertical Tracks
   I3. Left Hand and Right Hand Riveted Vertical Track Assemblies
   I4. Left Hand and Right Hand Angle Mount Vertical Track Assemblies

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 Brackets (As Required)
   J4. Right Hand End Bearing Brackets (As Required)
   J5. Left Hand Cable Drum
   J6. Right Hand Cable Drum
   J7. Center Bracket (As Required)
   J8. Center Bracket Bushing (As Required)
   J9. Center Bearing Bracket (As Required)
   J10. Torsion Shaft / Torsion Keyed Shaft (As Required)
   J11. Torsion Keyed Shafts (As Required)
   J12. Keys (As Required)
   J13. Center Coupler Assembly (As Required)
   J14. Set Collars (As Required)

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

L. BOTTOM CORNER BRACKETS:
   L1. Left Hand and Right Hand Bottom Corner Brackets

NOTE: The illustrations shown on this page are general representations of the door parts. Each specific door model may have unique variations.
INSTALLATION

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


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 a Pivot 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 the right hand side.

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 11/16" self drilling screws and (2) 1/4" - 20 x 11/16" self drilling screws, as shown. Repeat same process for the right hand side.

NOTE: Loosely fasten components together. Repeat the same process for the right hand side.

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

WARNING

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

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

Position the left hand bottom corner bracket onto the bottom section. Attach the bottom corner bracket to the bottom section with (3) 1/4" - 20 x 11/16" self drilling screws. NOTE: Insert a short stem track roller into the bottom corner brackets and another into the #1 graduated end hinges at the top of the bottom section.

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

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

Vertical Tracks

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

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

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

Starting on the left hand side of the bottom section, remove the nail. Position the left hand vertical track assembly over the track rollers of the bottom section. Make sure the counterbalance lift cable is seated against bottom section. Align vertical marks in the upper alignment sticker, with the lower alignment sticker on right hand side, on the back of door. Keep section until it is seated against bottom section. Align vertical marks in the upper alignment sticker, with the lower alignment sticker on right hand side, on the back of door. Keep section until it is seated against bottom section.

NOTE: Drill 3/16" pilot holes into door jamb for the lag screws.

Stacking Sections

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

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

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

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

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

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

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

---

**Attaching Top Fixtures To Top Section**

Remove, but retain (2 - 4) 1/4" - 20 x 7/8" self drilling screws from the right side of the strut, allowing enough room to slide the top fixture between the section and the strut. Slide the top fixture assembly between the strut and section. Align the edge of the top fixture parallel to the top section edge. Loosely secure the top fixture and strut to the top section with (3) 1/4" - 20 x 7/8" self drilling screws through the upper and lower slots of the top fixture. Finish re-attaching the strut using the short stem track roller into top fixture. Repeat for left hand side.

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

---

**Attaching Drawbar Operator Bracket**

Prior to fastening drawbar operator bracket to top section, ensure the top edge of drawbar operator bracket is aligned with the top edge of the section, as shown. Attach the drawbar operator bracket using (8) 1/4" - 20 x 11/16" self drilling screws (as shown). Finish re-attaching the strut using the self tapping screws removed previously.

**NOTE:** If you’re installing a drawbar operator, the drawbar operator bracket must be mounted and secured prior to installing top section.

**IMPORTANT:** TO AVOID POSSIBLE DAMAGE TO YOUR DOOR, WAYNE DALTON RECOMMENDS REINFORCING THE TOP SECTION WITH A STRUT.

**IMPORTANT:** WHEN CONNECTING A DRAWBAR OPERATOR TYPE GARAGE DOOR OPENER TO THIS DOOR, A WAYNE DALTON OPERATOR/ DRAWBAR OPERATOR BRACKET MUST BE SECURELY ATTACHED TO THE TOP SECTION OF THE DOOR, ALONG WITH ANY STRUT PROVIDED WITH THE DOOR. THE INSTALLATION OF THE DRAWBAR OPERATOR MUST BE ACCORDING TO MANUFACTURER’S INSTRUCTIONS AND FORCE SETTINGS MUST BE ADJUSTED PROPERLY.

Remove, but retain (4 - 6) 1/4" - 20 x 7/8" self drilling screws from the center of the strut, allowing the drawbar operator bracket to slide between the section and the strut. Locate the center of the top section and slide drawbar operator bracket under strut until the drawbar operator bracket is seated against the strut flange.

**NOTE:** Prior to fastening drawbar operator bracket to top section, ensure the top edge of drawbar operator bracket is seated against the strut flange.

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

---

**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 section. Repeat for other side.

**IMPORTANT:** THE DIMENSION BETWEEN THE FLAG ANGLES OR WALL ANGLES MUST BE DOOR WIDTH PLUS 3-3/8" (88MM) TO 3-1/2" (89 MM) FOR SMOOTH, SAFE DOOR OPERA-TION.

**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.

**FOR ANGLE MOUNT TRACK:** Complete the vertical track installation by securing the jamb bracket(s) and or 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 vertical track, as shown. Repeat for other side.
**Attaching Horizontal Tracks**

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

**WARNING**

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

**IF YOU HAVE ANGLE MOUNT VERTICAL 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 angle mount with (2) 1/4” - 20 x 9/16” track bolts and (2) 1/4” - 20 flange hex nuts.

**Adjusting Top Fixtures**

With horizontal tracks installed, you can now adjust the top fixtures. Vertically align the top section of the door with the lower sections. Once aligned, position the top fixture slide, out against the horizontal track. Maintaining the slide’s position, tighten the 1/4” - 20 x 7/8” self drilling screws to secure the top fixture to the top section.

**Attaching End Bearing Brackets**

**NOTE:** Right and left hand is always determined from inside the garage looking out.

**NOTE:** Identify the end bearing brackets supplied with your door. Refer to Illustrations below, Package Contents or Breakdown of Parts, to determine which end bearing brackets you have.

**NOTE:** End bearing brackets are right and left hand.

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

Align the bottom edge of left end bearing bracket with the top edge of the flag angle. Maintaining this alignment, also align the right edge of the end bearing bracket with the right edge of the flag angle. Secure the end bearing bracket to the jamb using (3) 5/16” x 1-3/8” lag screws, as shown. Repeat same process for the other side.
Position the left hand end bearing bracket up against the jamb and on the horizontal track, as shown. Fasten the left hand end bearing bracket to the horizontal track with (1) 3/8” - 16 x 3/4” truss head bolt and (1) 3/8” - 16 nut. Secure the left hand end bearing bracket to the jamb using (3) 5/16” x 1-5/8” lag screws. Repeat same process for the other side.

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

12 Attaching Center Bracket to Wall

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

NOTE: Prior to fastening center bracket(s) to the header, pilot drill using a 3/16” drill bit.

NOTE: If your door came with (4) springs, each of the outer springs mounting surface will need to be a minimum of 3” wide.

NOTE: If needed, measure the diameter of your springs. If you have a one piece shaft with 3-3/4” diameter springs, they do not share center brackets and do not have a coupler assembly.

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 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.

IF YOUR DOOR DID NOT COME WITH A CENTER COUPLER ASSEMBLY OR USES TORSION SPRINGS LESS THAN 3-3/4” ID: 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.

IF YOUR DOOR DID COME WITH A CENTER COUPLER ASSEMBLY OR 3-3/4” ID TORSION SPRINGS: Mark a vertical pencil line on the mounting surface above the door, at the center. Split the difference up and position the (2) center bearing brackets apart from each other. Mark two vertical pencil lines, one for each center bearing bracket onto the mounting surface above the door.

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

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

Attach the center bracket(s) 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(S).

NOTE: Prior to fastening center bracket(s) to the header, pilot drill using a 3/16” drill bit.

NOTE: If your door has (4) springs, each of the outer springs mounting surface will need to be a minimum of 3” wide.

NOTE: If needed, measure the diameter of your springs. If you have a one piece shaft with 3-3/4” diameter springs, they do not share center brackets and do not have a coupler assembly.

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 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.

IF YOUR DOOR DID NOT COME WITH A CENTER COUPLER ASSEMBLY OR USES TORSION SPRINGS LESS THAN 3-3/4” ID: 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.

IF YOUR DOOR DID COME WITH A CENTER COUPLER ASSEMBLY OR 3-3/4” ID TORSION SPRINGS: Mark a vertical pencil line on the mounting surface above the door, at the center. Split the difference up and position the (2) center bearing brackets apart from each other. Mark two vertical pencil lines, one for each center bearing bracket onto the mounting surface above the door.

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

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

Attach the center bracket(s) 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(S).
IMPORTANT: ON SINGLE SPRING APPLICATIONS, ONLY A LEFT WOUND (BLACK WINDING CONE) IS REQUIRED.

With assistance, pick up the torsion spring assembly and slide one end of the torsion shaft / torsion keyed shaft through one end bearing bracket. Lay the middle of the torsion shaft / torsion keyed shaft into the center bracket. Slide the other end of the torsion shaft / torsion keyed shaft into the other end bearing bracket. Position the torsion shaft / torsion keyed shaft so that equal amounts of the shaft extend from each end bearing bracket.

NOTE: Orientation of parts is critical. Install the components in the correct orientation as shown.

Facing the inside of the door, lay the (2) torsion keyed shafts on the floor. One torsion keyed shaft on the left hand side and the other torsion keyed shaft on the right hand side. Starting on the left hand side, lay one of the coupler halves, the center bearing, torsion spring with the black winding cone and one set collar at the left end of the torsion keyed shaft. Next on the right hand side, lay the other coupler half, center bearing, the torsion spring with the red winding cone and one set collar at the right end of the torsion keyed shaft. Slide the coupler halves, center bearings onto the torsion keyed shafts followed by the torsion springs and the set collars, as shown.

IMPORTANT: THE COUPLER HALVES, CENTER BEARINGS, TORSION SPRINGS AND THE SET COLLARS MUST BE POSITIONED, AS SHOWN.

Slide the flat edge of the coupler half flush with the side edge of the torsion keyed shaft. Insert (1) key into the slot of both the coupler half and the slot in the torsion keyed shaft. Tighten the (2) set screws and the locking nut to secure the coupler half to the torsion keyed shaft, as shown.

NOTE: Tighten the set screws to 14-15 ft. lbs. of torque (once set screws contact the shaft, tighten set screws one full turn). Repeat the same process for the other coupler half.

With assistance and starting on the left hand side of door, pick up the left hand torsion spring assembly and slide one end of the torsion keyed shaft through the end bearing bracket. Lay the other side of the torsion keyed shaft into the center bracket. Repeat the same process for the right hand torsion spring assembly. Position both torsion keyed shafts so that equal amounts of the shafts extend from each end bearing brackets.
## 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.

### NOTE:
Measure the diameter of your springs. If your spring diameter is 3-3/4", the springs do not share center brackets. If your spring diameter is either 2" or 2-5/8", then two springs will share the same center bracket, unless a coupler assembly is provided.

If you don't have a coupler assembly: Slide center bracket bushing 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 bearing 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.

If you have a coupler assembly: Slide center bracket bushing into the spring. Align the stationary spring cone with the holes in the center bracket. Secure the torsion spring to the center bracket with (2) 3/8" - 16 x 1-1/2" hex head bolts and (2) 3/8" - 16 nuts. Repeat the same process for the other center bearing bracket. At the middle of the two center bearing brackets, re-assemble the coupler assembly by loosely fastening the coupler halves together using the (3) 3/8" - 16 x 1-3/4" hex head screws and (3) 3/8" - 16 nylon hex lock nuts, as shown.

### NOTE:
Ensure both torsion keyed shafts have equal amounts of the shafts extending from each end bearing bracket.

## Attaching Counterbalance Lift Cables

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

Starting on the left hand slide the red cable drum onto the torsion shaft / torsion keyed shaft(s). Hook the counterbalance lift cable into the left hand cable drum and thread the counterbalance lift cable up and around the front side of the cable drum. Slide the left hand cable drum up against the left hand end bearing bracket.

### IMPORTANT:
If you have torsion keyed shaft(s), insert (1) key into the slot of both the cable drum and the slot in the torsion keyed shaft, as shown.

Counterbalance lift cable should terminate at the 3 o’clock position. Tighten the set screws in the drum to 14-15 ft. lbs. of 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. 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 using the right hand side the black cable drum.

### IMPORTANT:
Verify that there are no obstructions in the travel path of the door sections or counterbalance lift cables.

### 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. Once the counterbalance cables are set and if applicable tighten the coupler assembly together by tightening the (3) 3/8" - 16 nylon hex lock nuts to secure the coupler halves together.
Set Collars

NOTE: If your door did not come with set collars, then skip this step.

Slide each of the set collars up against the inside surface of the end bearing brackets, with the set screw facing directly away from the header. Tighten the set screw in each of the set collars to the torsion shaft to 14-15 ft. lbs. of torque (once set screw contacts the shaft, tighten set screw one full turn).

IMPORTANT: PRIOR TO TIGHTENING THE SET SCREWS IN THE SET COLLARS, AVOID PLACING THE SET SCREWS IN THE KEYWAYS OF TORSION KEYED SHAFT(S).

Chalking Torsion Spring(s)

NOTE: If your springs have stenciling, then skip this step.

Draw a chalk line horizontally along the center of the torsion spring coil(s). As the torsion spring is wound, the chalk line will create a spiral. This spiral can be used to count and determine the number of turns that are applied on the torsion spring.

Securing Door for Spring Winding

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

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

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

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

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

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

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

f. Torsion spring or springs are installed correctly.

g. Review the label attached to the spring warning tag, to determine number of spring turns required.

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

WARNING

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

Winding Spring(s)

WARNING

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

WARNING

USE ONLY SPECIFIED WINDING BARS, AS STATED IN STEP SECURING DOOR FOR SPRING WINDING (D8). DO NOT SUBSTITUTE WITH SCREWDRIVERS, PIPE, ETC. OTHER TOOLS MAY FAIL OR RELEASE FROM THE SPRING CONE AND CAUSE SEVERE OR FATAL INJURY.

WARNING

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

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

HOW TO WIND TORSION SPRINGS:

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

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

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

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

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

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

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

**IMPORTANT:** HOLD THE DOOR DOWN TO PREVENT IT FROM RISING UNEXPECTEDLY IN THE EVENT THE SPRING(S) WERE OVER-WOUND AND CAUTIOUSLY REMOVE LOCKING PLIERS FROM VERTICAL TRACKS.

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 INTO THE LOOSE HORIZONTAL TRACKS CAN RESULT IN DOOR FALLING AND CAUSE SEVERE OR FATAL INJURY.

Clamp a pair of locking pliers 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 below, select the appropriate perforated angle (may not be supplied). Fabricate and install rear back hangs, as shown.

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

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

**WARNING**

KEEP HORIZONTAL TRACKS PARALLEL AND WITHIN 3/4" TO 7/8" FROM 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 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.

**WARNING**

FAILURE TO ASSEMBLE AND ATTACH REAR BACK HANGS PROPERLY ACCORDING TO THE ABOVE INSTRUCTIONS MAY RESULT IN DOOR FALLING WHEN RAISED, CAUSING SEVERE OR FATAL INJURY.

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

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 D5. Insert a winding rod into the winding cone. Push downward on the winding rod slightly while carefully loosening the set screws in the winding cone.

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

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

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

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

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

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

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

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

NEVER MIX CLEANSERS OR DETERGENTS WITH BLEACH.

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

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

Maintaining The Finish On Your Garage Door

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

Operation And Maintenance

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

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

WARNING

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

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

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

USING AN ELECTRIC OPERATOR:

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

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

Model 9800

Wayne Dalton, a division of Overhead Door Corporation (“Seller”) warrants to the original purchaser of the Model 9800 (“Product”), subject to all of the terms and conditions hereof, that the Product and all components thereof will be free from defects in materials and workmanship for the following period(s) of time, measured from the date of installation:

- **Limited Lifetime Warranty** – Against the Product becoming inoperable due to rust-through of the steel skin backer, caused by cracking, splitting or other deterioration of the steel skin, due to structural failure caused by separation or degradation of the foam insulation, or due to failure of metal hardware components (excluding springs) or track.
- **Three (3) Years** – Against delamination of the fiberglass skin resulting from a defect in the fiberglass skin or peeling, cracking or fading of the original factory-applied coating. Repainting or refinishing of the Product, other than directed top clear coat maintenance, will void this warranty. Top clear coat should be reapplied if it begins to appear dull or chalky; this is considered maintenance and not a defect. Refer to your care and maintenance instructions (Field Painting and Finishing Fiberglass or Steel Door Sections) for directions on maintaining your top clear coat.
- **One (1) year** – All other components

*Limited Lifetime means for so long as the original purchaser owns the home in which the product was originally installed.

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.