

WAYNE DALTON WD-TMS7073

Wayne Dalton Torquemaster Spring User Manual

Brand: WAYNE DALTON | Model: WD-TMS7073

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1. INTRODUCTION

This manual provides essential information for the selection, understanding, and care of your Wayne Dalton Torquemaster Spring. These heavy-duty replacement springs are designed for Wayne Dalton Garage Doors utilizing the Torquemaster Plus TM3/TMII style spring system, offering a 10,000 high cycle life.

Key features of this product include:

- Genuine Plus TM3 Wayne Dalton Replacement Spring Parts.
- Torquemaster Plus TM3 TMII Spring Winding End - hexagon shaped end.
- Typically TM PLUS TM3 TMII Springs are found on doors manufactured after February 2007.
- Spring(s) only, plastic and metal tubes not included.



Figure 1: Wayne Dalton Torquemaster Double Spring Set (120-129lbs).

2. INSTALLATION PREPARATION: SELECTING THE CORRECT SPRING

To ensure proper function and safety, it is crucial to select the correct replacement spring for your Wayne Dalton garage door. This involves identifying your spring system type, measuring your door's height, and determining its weight. Incorrect spring selection can lead to improper door balance and potential damage.

2.1. Determine Spring Type

Wayne Dalton offers different Torquemaster systems. Identify whether you have a Torquemaster Plus (TMII/TM3) or an Original Torquemaster (TM/TMI) system. This can often be determined by the winding end of the spring and the presence of a counter gear.

- **Torquemaster Plus (TMII/TM3):** The winding end will typically have a hexagonal shape with a visible spring cone sticking out of the bracket. Look for "TM3" or "TMP" on the spring tube label.
- **Original Torquemaster (TM/TMI):** This system features a counter gear visible on the outside of the bracket. It is typically labeled "TM" on the spring tube.

Torquemaster PLUS (TMII TM3)



End colors & materials
may vary

**Torquemaster
Original (TM TMI)**

Figure 2: Visual comparison of Torquemaster Plus (left) and Original Torquemaster (right) spring winding ends. Note the hexagonal end on the Plus version and the visible counter gear on the Original.

2.2. Measure Door Height

Accurately measure the height of your garage door. Alternatively, check the label on the metal spring tube, which often lists the door dimensions.

- For doors measuring between 6 feet 6 inches and 7 feet 5 inches, select a 7-foot height spring.
- For doors measuring between 7 feet 6 inches and 8 feet 5 inches, select an 8-foot height spring.

2.3. Determine Door Weight

The most critical information for ordering the correct spring is your garage door's balance weight. Springs are specifically rated for a range of door weights. This detail is required to receive the correct replacement spring.

- **Check the Label:** The weight is usually listed on a label located on the metal spring tube. Look for "Wgt," "Bal Wt," or "Bal Wgt."
- **Weigh the Door:** If the label is missing or unreadable, you can weigh your door using a bathroom scale.

1. Ensure all spring tension is released prior to weighing.
2. Lift the door slightly and slide a bathroom scale under the center of the door.
3. Make sure the full weight of the door is on the scale. The cables on both sides must be fully slack to ensure an accurate reading. If there is still tension on the cables, the reading will not be accurate.
4. Once you have the weight, select the weight range that your door weight falls within when ordering.

Selecting a higher or lower weight than your actual door weighs may result in an incorrect spring that will not function properly.

2.4. Instructional Video: How to Order Torquemaster Springs

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Video 1: This video from Express Garage Doors Inc. provides a visual guide on how to determine the correct spring style, measure door height, and weigh your garage door to ensure you order the appropriate Torquemaster spring replacement.

3. OPERATION

The Wayne Dalton Torquemaster Spring is a critical component of your garage door's counterbalance system. Its primary function is to store and release torsional energy, assisting the garage door opener in lifting and lowering the door smoothly and safely. When properly installed and tensioned, the spring balances the weight of the door, making it feel lighter and reducing strain on the opener.

These springs are designed for high cycle life, meaning they are built to withstand many thousands of open and close cycles under normal operating conditions. Proper spring selection (as detailed in Section 2) is essential for optimal operation and longevity of both the spring and your garage door system.

4. MAINTENANCE

While Wayne Dalton Torquemaster springs are designed for durability and a long cycle life, periodic visual inspection can help identify potential issues before they become major problems. As these are internal components of the Torquemaster system, direct user maintenance is minimal.

4.1. Visual Inspection

Regularly inspect the spring system for any visible signs of wear, rust, or damage. Pay attention to the spring coils and the winding ends. Any unusual noises during door operation may also indicate a need for inspection.

4.2. Professional Inspection

It is recommended to have your garage door system, including the Torquemaster springs, inspected by a qualified garage door technician annually. They can assess the spring tension, lubricate moving parts within the Torquemaster assembly if necessary, and identify any components that may require replacement.

5. TROUBLESHOOTING

The most common issue with garage door springs is breakage, which typically results in the door becoming extremely heavy and difficult or impossible to open manually or with the opener. If your spring is broken, it will often be visibly separated or unwound within the Torquemaster tube.

5.1. Symptoms of a Broken Spring

- Garage door feels extremely heavy or will not open.
- The garage door opener struggles or fails to lift the door.
- Loud "bang" sound heard from the garage.

- Visible gap or separation in the spring coils within the Torquemaster tube.

5.2. Replacement Procedure

Replacing a broken Torquemaster spring requires specific tools and knowledge. It is highly recommended to consult a professional garage door technician for spring replacement due to the high tension involved, which can pose significant safety risks if not handled correctly. If you choose to proceed with DIY replacement, ensure you have the correct replacement spring (refer to Section 2) and follow all safety guidelines provided by Wayne Dalton or a certified professional.

Safety Note: Garage door springs are under extreme tension. Attempting to replace them without proper training, tools, and safety precautions can result in serious injury or death. Always consult a qualified professional if you are unsure.

6. SPECIFICATIONS

Attribute	Detail
Manufacturer	Wayne Dalton Parts
Part Number	WD-TMS7073
Item Weight	10.01 pounds
Size	Between 120 - 129lbs - Double spring set
ASIN	B08KHSYK76
Date First Available	October 8, 2020

7. WARRANTY & SUPPORT

7.1. Return Policy

This product typically comes with a return policy allowing for refund or replacement within 30 days of purchase. Please refer to your purchase documentation or the seller's policy for exact terms and conditions.

7.2. Manufacturer Support

For further assistance, technical inquiries, or to verify product authenticity, please contact WAYNE DALTON directly. You can often find support information on their official website or through authorized dealers.

Brand: [WAYNE DALTON](#)

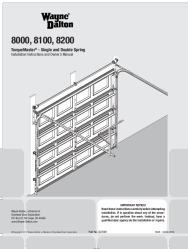
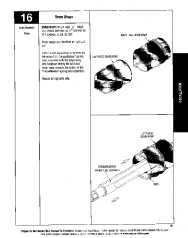
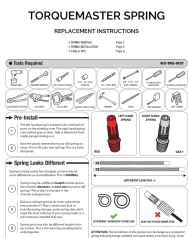



7.3. Seller Support

For questions regarding your order, shipping, or specific product details, you may also contact the seller, Express Garage Doors Inc. Their contact information can typically be found on your order details page or through their seller profile on the platform where the purchase was made.

Seller: [Express Garage Doors Inc](#)



Related Documents - WD-TMS7073

	<p>Wayne-Dalton TorqueMaster™ Garage Door Installation & Owner's Manual (Models 8000, 8100, 8200)</p> <p>Comprehensive installation guide and owner's manual for Wayne-Dalton TorqueMaster™ single and double spring garage doors (Models 8000, 8100, 8200). Includes safety instructions, parts list, step-by-step assembly, maintenance, and warranty information.</p>
	<p>Wayne-Dalton TorqueMaster® Installation Guide</p> <p>Step-by-step instructions for installing Wayne-Dalton TorqueMaster® garage door components, including drum wraps, cable drums, end brackets, center bracket, and winding springs.</p>
	<p>Torquemaster Spring Replacement and Installation Guide</p> <p>Comprehensive instructions for replacing and installing Torquemaster garage door springs. This guide covers removal procedures, installation steps, tool requirements, and answers to frequently asked questions for both single and double spring systems.</p>
	<p>Wayne Dalton 8000, 8100, 8200 TorqueMaster Installation and Owner's Manual</p> <p>Comprehensive installation instructions and owner's manual for Wayne Dalton 8000, 8100, and 8200 series garage doors with TorqueMaster® counterbalance systems. Includes safety precautions, parts lists, step-by-step installation guides, and maintenance information.</p>
	<p>Wayne-Dalton TorqueMaster Plus 6100 Installation Instructions and Owner's Manual</p> <p>Comprehensive installation instructions and owner's manual for the Wayne-Dalton TorqueMaster Plus 6100 single and double spring garage door system, covering preparation, installation steps, optional features, maintenance, and warranty.</p>
	<p>Wayne Dalton 8000, 8100, 8200 TorqueMaster Installation Instructions and Owner's Manual</p> <p>Comprehensive installation instructions and owner's manual for Wayne Dalton 8000, 8100, and 8200 series garage doors featuring the TorqueMaster spring system. Covers safety, preparation, installation steps, optional features, maintenance, and warranty.</p>