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› Open Solutions Canada, 7 ft Chain Drive Rail Assembly Replacement G1707 for 81602, 84602, 8165W, 81600, 8360W, 8164, 8365W-267, 8355W, 83650-267, 8164W Liftmaster Models Garage Door Openers, Gray

LiftMaster G1707

Instruction Manual for G1707 Chain Drive Rail Assembly Replacement

Model: G1707 | Brand: LiftMaster

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Open Solutions G1707 Chain Drive Rail Assembly Replacement. Designed for 7-foot residential garage doors, this pre-assembled component is compatible with various LiftMaster, Chamberlain, Sentex, and Whisper garage door openers, including models like LiftMaster 8160W, 84602, and 8365W-267. It is crucial to note that this replacement part is specifically for chain-driven rail systems and is not compatible with belt-driven systems.



Figure 1: The G1707 Chain Drive Rail Assembly, a pre-assembled replacement part for 7-foot garage doors.

SETUP AND INSTALLATION

The G1707 Chain Drive Rail Assembly is designed for straightforward installation, as it comes pre-assembled with the chain set in place. Follow these steps for proper setup:

1. **Preparation:** Ensure the garage door opener is disconnected from its power source before beginning any installation work. This is a critical safety measure.
2. **Remove Old Rail:** Carefully remove the existing chain and rail system from your garage door opener. Refer to your specific garage door opener's manual for detailed instructions on disassembling the old unit.
3. **Inspect Components:** Before installing the new G1707 assembly, inspect all components for any shipping damage.
4. **Install New Rail:** Position the pre-assembled G1707 rail in the appropriate location, aligning it with the garage door opener motor head and the door bracket. Secure it firmly according to the instructions provided with your garage door opener unit. The assembly includes the rail and the chain already integrated.
5. **Connect to Opener:** Connect the G1707 rail assembly to the garage door opener motor head and ensure all connections are secure.
6. **Test Operation:** Once installed, reconnect power to the garage door opener and perform a test run to ensure the chain moves smoothly and the door operates correctly. Adjust limits and force settings as necessary, referring to your garage door opener's main instruction manual.



Figure 2: The rail components of the G1707 assembly, designed for easy integration.



Figure 3: The chain is pre-assembled onto the rail, simplifying the installation process.

OPERATING PRINCIPLES

The G1707 Chain Drive Rail Assembly functions as the core mechanism for transmitting power from your garage door opener's motor to move the garage door. As a chain-driven system, it utilizes a robust chain that runs along the rail, pulling or pushing the trolley connected to the garage door. This design ensures reliable and consistent operation for opening and closing your garage door.

It is essential to understand that this assembly is specifically engineered for chain-driven garage door openers. Attempting to use it with a belt-driven system will result in incompatibility and improper function.



Figure 4: Detailed view of the chain and sprocket mechanism, highlighting the chain drive system.

MAINTENANCE

Regular maintenance of your G1707 Chain Drive Rail Assembly will ensure its longevity and optimal performance. While the assembly is built with durable steel, periodic checks are recommended:

- **Chain Lubrication:** Periodically lubricate the chain with a garage door opener specific lubricant. This reduces friction, minimizes noise, and extends the life of the chain. Consult your garage door opener's manual for recommended lubrication schedules and types.
- **Inspection for Wear:** Visually inspect the chain and rail for any signs of wear, rust, or damage. Look for loose links, stretched chain, or bent rail sections.
- **Cleanliness:** Keep the rail free from dirt, debris, and obstructions that could impede the chain's movement.
- **Tension Check:** Ensure the chain tension is appropriate. A chain that is too loose or too tight can lead to operational issues or premature wear. Refer to your garage door opener's manual for instructions on checking and adjusting chain tension.



Figure 5: Inspecting the chain and rail connection points for wear and proper lubrication.

TROUBLESHOOTING

If you encounter issues with your garage door opener after installing the G1707 Chain Drive Rail Assembly, consider the following common troubleshooting steps:

- **Noisy Operation:**

- Ensure the chain is adequately lubricated.
- Check for any loose hardware or components along the rail.
- Verify the chain tension is correct; an overly loose chain can cause rattling.

- **Door Not Moving Smoothly:**

- Inspect the rail for any obstructions or debris.
- Check if the chain is properly seated on the sprockets.
- Ensure the garage door itself is balanced and moves freely without the opener connected.

- **Chain Slipping or Jumping:**

- This often indicates incorrect chain tension. Adjust the tension as per your opener's manual.
- Inspect the sprocket teeth for wear or damage.

- **Door Stops or Reverses:**

- While often related to safety sensors or force settings of the opener, ensure the rail assembly is not binding or obstructed.

For issues not resolved by these steps, consult your primary garage door opener's instruction manual or contact a qualified technician.

SPECIFICATIONS

Attribute	Detail
Model Number	G1707
Compatibility	Most 7' residential garage door openers (Chain Driven), including LiftMaster 8160W, 84602, 8365W-267, Chamberlain, Sentex, Whisper.
Door Size Compatibility	7-foot residential garage doors
Material	High-quality structural steel
Color	Gray
Item Weight	16 pounds
Product Dimensions	124 x 3 x 4 inches
Included Components	Pre-assembled 7' Chain Drive Rail

CUSTOMER SUPPORT

Open Solutions is committed to customer satisfaction. If you have any questions regarding the G1707 Chain Drive Rail Assembly, require assistance with installation, or encounter any issues, please do not hesitate to contact Open Solutions directly. Your satisfaction is their priority, and they are dedicated to ensuring you have a positive experience with their product. While specific warranty details are not provided in this manual, Open Solutions encourages customers to reach out for any concerns, indicating a commitment to resolving product-related issues.

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