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## PRIME-LINE D 1607

# Prime-Line D 1607 Sliding Patio Door Roller Assembly Instruction Manual

## INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Prime-Line D 1607 Sliding Patio Door Roller Assembly. Please read this manual thoroughly before beginning any procedures to ensure safe and effective use of the product. This roller assembly is designed to replace damaged or worn rollers in sliding glass patio doors, restoring smooth and reliable door operation.

## PRODUCT OVERVIEW

The Prime-Line D 1607 is a tandem wheel roller assembly featuring a pair of steel wheels within an adjustable steel housing. Each wheel is designed with a concaved (center grooved) edge and incorporates a steel inner race with steel ball bearings for smooth movement. This assembly is a common replacement part for various patio door manufacturers.



Image 1: The Prime-Line D 1607 tandem wheel roller assembly, featuring a yellow zinc finish.

## Key Features:

- **Adjustable Tandem Roller Assembly:** Designed for replacing or repairing sliding door rollers.
- **Wide Compatibility:** Used by a variety of patio door manufacturers.
- **Durable Construction:** Made with stamped steel housing and concave steel ball bearing rollers, finished in yellow zinc for strength and longevity.

## SPECIFICATIONS

Refer to the following table and diagram for detailed product dimensions and specifications.

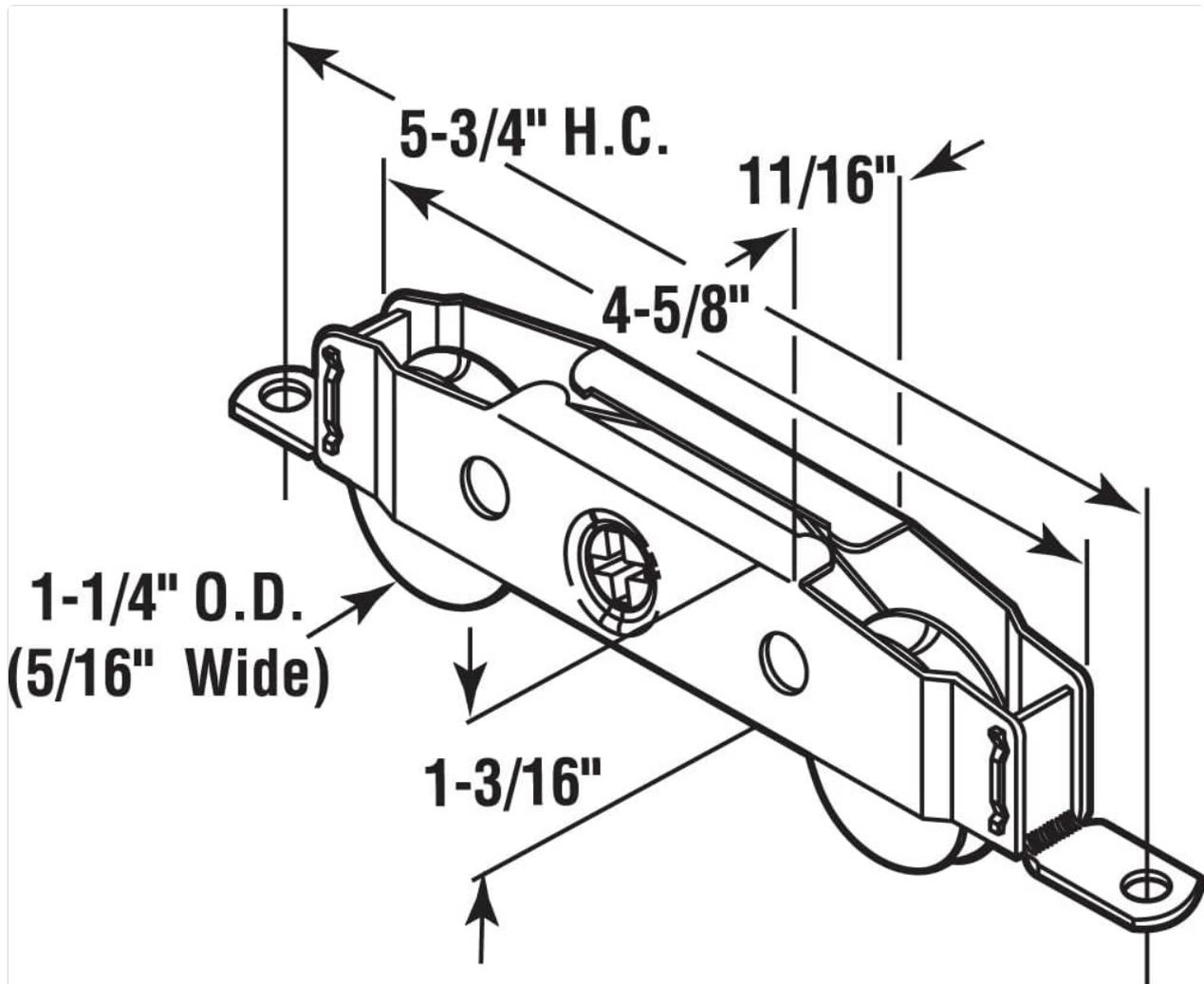


Image 2: Line art drawing illustrating the dimensions of the Prime-Line D 1607 roller assembly.

Specification	Value
Model Number	D 1607
Housing Width	11/16 inch
Housing Height	1-3/16 inch
Housing Length	4-5/8 inch
Wheel Diameter	1-1/4 inch

Specification	Value
Wheel Thickness (Rim Width)	5/16 inch
Minimum Collapsed Height	1-1/2 inch
Material	Steel
Finish	Yellow Zinc
Item Weight	7.7 ounces
Included Components	Roller assembly (single unit)

## SETUP AND INSTALLATION

Replacing sliding door rollers requires careful attention to detail. It is recommended to have assistance when removing and reinstalling heavy patio doors.

### Tools Required:

- Screwdriver (Flat Head or Philips, depending on existing fasteners)
- Pry bar or lifting tool (optional, for door removal)
- Measuring tape
- Safety gloves

### Installation Steps:

1. **Prepare the Door:** Carefully lift the sliding patio door off its track. This often requires two people due to the door's weight. Lay the door on a stable, flat surface, such as sawhorses, to access the bottom edge.
2. **Remove Old Rollers:** Locate the existing roller assemblies at the bottom of the door frame. Use a screwdriver to remove any screws securing the old rollers. Carefully extract the old roller units.
3. **Clean the Channel:** Clean any debris, dirt, or rust from the roller channels and the area where the new rollers will be installed.
4. **Adjust New Rollers (Pre-installation):** Before installing the new Prime-Line D 1607 roller assemblies, adjust the wheel height. Use a screwdriver (Flat Head or Philips) on the side of each unit to set the initial wheel height. It is often helpful to match the height of the old rollers or set them to a slightly retracted position to facilitate reinstallation of the door.
5. **Install New Rollers:** Insert the new roller assemblies into the door frame. Secure them with appropriate screws. **Note:** Replacement screws are not included with this product and may need to be purchased separately if your existing screws are corroded or damaged.
6. **Reinstall Door:** With assistance, carefully lift the door back onto its track. Ensure the rollers align correctly with the track.
7. **Final Adjustment:** Once the door is back on the track, test its sliding motion. If the door is too high, too low, or drags, use the adjustment screw on the side of each roller assembly to fine-tune the wheel height. Adjustments should be made incrementally until the door slides smoothly and the lock engages properly.

## OPERATION

Once properly installed and adjusted, the Prime-Line D 1607 roller assembly facilitates the smooth and effortless opening and closing of your sliding patio door. The steel ball bearings within the wheels minimize friction, allowing the door to glide along its track with ease. Regular operation should be free of excessive noise or resistance.

## MAINTENANCE

To ensure the longevity and optimal performance of your Prime-Line D 1607 roller assemblies, periodic maintenance is recommended:

- **Track Cleaning:** Regularly clean the sliding door track to remove dirt, dust, and debris that can impede roller movement. Use a vacuum cleaner or a stiff brush, followed by a damp cloth.
- **Roller Inspection:** Periodically inspect the rollers for any signs of wear, damage, or accumulation of grime.
- **Lubrication:** Apply a silicone-based lubricant to the door track and the roller wheels if the door begins to feel stiff or noisy. Avoid oil-based lubricants as they can attract dirt.
- **Adjustment Check:** If the door's alignment or sliding performance changes, re-check and adjust the roller height as described in the installation section.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Door is difficult to slide or drags	<ul style="list-style-type: none"><li>• Rollers are set too low</li><li>• Track is dirty or obstructed</li><li>• Rollers are worn or damaged</li></ul>	<ul style="list-style-type: none"><li>• Adjust roller height upwards</li><li>• Clean the door track thoroughly</li><li>• Inspect rollers for damage; replace if necessary</li></ul>
Door is too high or does not close properly	<ul style="list-style-type: none"><li>• Rollers are set too high</li><li>• Door frame misalignment</li></ul>	<ul style="list-style-type: none"><li>• Adjust roller height downwards</li><li>• Check door frame for squareness and level</li></ul>
Grinding or squeaking noise during operation	<ul style="list-style-type: none"><li>• Lack of lubrication</li><li>• Dirt or debris in rollers/track</li><li>• Damaged bearings</li></ul>	<ul style="list-style-type: none"><li>• Lubricate rollers and track with silicone spray</li><li>• Clean rollers and track</li><li>• Inspect rollers; replace if bearings are damaged</li></ul>

## WARRANTY AND SUPPORT

### Warranty Information:

Prime-Line warrants goods against manufacturing defects for 1 year from the date of purchase. This warranty does not cover user-related damage or damage incurred during installation. The warranty is void if products are subjected to abnormal conditions, misapplication, or abuse.

**Customer Support:**

For further assistance, technical support, or warranty claims, please contact Prime-Line customer service. Refer to the official Prime-Line website or product packaging for current contact information.