

WDG546RBW0

Instruction Manual: Generic Replacement Dryer Drum Drive Belt

For White-Westinghouse Dryer Model WDG546RBW0 (Part #4606228)

1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and troubleshooting of the Generic replacement dryer drum drive belt, part number 4606228, designed for White-Westinghouse dryer model WDG546RBW0. Please read these instructions carefully before attempting any repair or installation.

2. PRODUCT OVERVIEW

The dryer drum drive belt is a critical component responsible for rotating the dryer drum. This replacement part is manufactured to be compatible with the specified White-Westinghouse dryer model, ensuring proper function and longevity of your appliance.



Image 1: The Generic replacement dryer drum drive belt, shown coiled. This belt is designed to transmit power from the motor to the dryer drum, enabling it to tumble clothes.

- **Part Number:** 4606228

- **Compatible Dryer Model:** White-Westinghouse WDG546RBW0
- **Quantity:** 1 PC ONLY

3. SAFETY INFORMATION

Appliance repair can involve electrical and mechanical hazards. Always prioritize safety.

- **Disconnect Power:** Before beginning any repair, always unplug the dryer from its power source or turn off the circuit breaker to prevent electrical shock.
- **Wear Protective Gear:** Use gloves to protect hands from sharp edges and safety glasses to protect eyes.
- **Professional Assistance:** If you are unsure about any step or uncomfortable performing the repair, consult a qualified appliance technician.
- **Follow Dryer Manufacturer's Instructions:** Refer to your specific dryer's service manual for detailed disassembly and reassembly procedures.

4. SETUP (INSTALLATION)

Replacing a dryer drum drive belt typically involves disassembling parts of the dryer. The following steps are general guidelines. Always refer to your specific dryer model's service manual for precise instructions.

1. **Prepare the Dryer:** Disconnect the dryer from all power sources. Move the dryer away from the wall to access the rear if necessary.
2. **Access the Drum:** Depending on your dryer model, you may need to remove the top panel, front panel, or rear panel to gain access to the dryer drum and motor assembly. This often involves removing screws and disconnecting wire harnesses.
3. **Remove the Old Belt:** Locate the old drive belt. It will typically be wrapped around the dryer drum and tensioned by an idler pulley, then routed around the motor pulley. Carefully remove the old belt. Note its routing path for reference.
4. **Install the New Belt:** Place the new belt around the dryer drum. Ensure the ribbed side of the belt faces the drum.
5. **Route the Belt:** Route the belt around the idler pulley and then around the motor pulley. The idler pulley typically provides tension to the belt. Ensure the belt is properly seated on all pulleys and the drum.
6. **Verify Tension:** Check that the belt has appropriate tension. It should be snug but allow for slight deflection.
7. **Reassemble Dryer:** Carefully reassemble all panels and reconnect any wire harnesses that were disconnected. Ensure all screws are tightened securely.
8. **Reconnect Power:** Plug the dryer back into its power source or restore power at the circuit breaker.

5. POST-INSTALLATION CHECK

After installing the new drive belt, perform the following checks to ensure proper operation:

- **Manual Drum Rotation:** Before starting the dryer, manually rotate the drum a few times to ensure the belt is seated correctly and moves freely without obstruction.
- **Test Run:** Start the dryer on a no-heat or air-fluff cycle. Observe if the drum rotates smoothly and quietly. Listen for any unusual noises, such as squealing or grinding, which could indicate improper belt installation or other issues.
- **Heat Cycle Test:** If the no-heat cycle is successful, run a short heat cycle to confirm all functions are operating as expected.

6. MAINTENANCE

The dryer drum drive belt is a wear item. Regular inspection can help prevent unexpected failures.

- **Periodic Inspection:** Approximately once a year, or if you notice any changes in dryer performance (e.g., drum not tumbling as smoothly), inspect the belt for signs of wear, cracking, fraying, or stretching.

- **Cleanliness:** Ensure the area around the motor and pulleys is free from lint and debris, which can cause premature belt wear or slippage.
- **Proper Loading:** Avoid overloading the dryer, as this can put excessive strain on the drive belt and motor, leading to premature failure.

7. TROUBLESHOOTING

If your dryer is experiencing issues related to drum rotation after belt replacement, consider the following:

- **Drum Not Tumbling:**
 - **Check Belt Routing:** Ensure the belt is correctly routed around the drum, idler pulley, and motor pulley. Incorrect routing is a common cause of non-tumbling.
 - **Belt Tension:** Verify the idler pulley is providing adequate tension. If the belt is too loose, it may slip.
 - **Obstructions:** Check for any foreign objects or lint buildup that might be preventing the drum or belt from moving freely.
 - **Other Components:** If the belt appears correctly installed and tensioned, the issue might be with other components such as the motor, idler pulley, or drum rollers.
- **Squealing or Grinding Noises:**
 - **Belt Alignment:** Ensure the belt is perfectly aligned on all pulleys. Misalignment can cause friction and noise.
 - **Worn Pulleys/Rollers:** Noises can also originate from worn idler pulleys or drum support rollers, which may need replacement.

8. SPECIFICATIONS

Part Number	4606228
Compatible Dryer Model	White-Westinghouse WDG546RBW0
Item Package Quantity	1
Manufacturer	Generic

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for this replacement part, please refer to the seller or manufacturer from whom the part was purchased. Keep your purchase receipt as proof of purchase.