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Angelo Po N607D, N354D, N760S, N760D, N506S, N303S

Angelo Po Roller Spring Instruction Manual

For Dishwasher Models: N607D, N354D, N760S, N760D, N506S, N303S

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Angelo Po Roller Spring, a critical component for various Angelo Po dishwasher models. This roller spring is designed to ensure the smooth and efficient operation of the dishwasher's conveyor belt system.

PRODUCT OVERVIEW

The Angelo Po Roller Spring is a replacement part specifically designed for the conveyor belt mechanism in compatible Angelo Po industrial dishwashers. It consists of a spring-loaded reel that maintains tension on the dishwasher's internal transport system, ensuring dishes move correctly through the wash cycles.



Figure 1: Angelo Po Roller Spring Assembly. An image showing the Angelo Po roller spring assembly. It consists of a black spool holding a metallic band, mounted on a silver-colored L-shaped bracket with two visible bolts and nuts securing the band.

SETUP AND INSTALLATION

Installation of the roller spring should only be performed by qualified service technicians. Ensure the dishwasher is disconnected from all power sources before beginning any installation or maintenance procedures.

1. **Safety First:** Disconnect the dishwasher from the main power supply and water supply. Allow the machine to cool down if it has been recently in operation.
2. **Access the Conveyor System:** Depending on the dishwasher model, access panels may need to be removed to

reach the conveyor belt mechanism. Refer to your specific dishwasher's service manual for detailed access instructions.

3. **Remove Old Spring (if applicable):** Carefully unmount the old roller spring assembly. Note its orientation and connection points. Be cautious as springs can be under tension.
4. **Install New Spring:** Position the new Angelo Po roller spring assembly (as shown in Figure 1) in the designated location. Secure it using the appropriate fasteners. Ensure the metallic band is correctly routed and tensioned according to the dishwasher's design.
5. **Verify Tension:** Confirm that the roller spring provides adequate tension to the conveyor belt, allowing for smooth movement without excessive slack or tightness.
6. **Reassemble and Test:** Reattach any removed panels. Reconnect power and water supplies. Perform a test cycle to ensure the conveyor belt operates correctly and smoothly.

OPERATING PRINCIPLES

The roller spring functions as a tensioning device for the dishwasher's internal conveyor belt. As the conveyor belt moves dishes through the wash, rinse, and dry zones, the roller spring ensures consistent tension, preventing slippage, jamming, and uneven movement. Proper tension is crucial for the efficient and reliable operation of the dishwasher's automated transport system.

MAINTENANCE

Regular inspection of the roller spring and the conveyor belt system is recommended to ensure optimal performance and longevity.

- **Visual Inspection:** Periodically inspect the roller spring for signs of wear, corrosion, or damage to the metallic band or the spool. Check for any visible deformation of the bracket.
- **Tension Check:** Ensure the spring maintains proper tension on the conveyor belt. A loose belt can lead to operational issues, while an overly tight belt can cause premature wear.
- **Cleaning:** If accessible, gently clean any debris or residue that may accumulate around the spring mechanism, as this can impede its function. Use mild cleaning agents suitable for stainless steel and plastics.
- **Lubrication:** Consult your dishwasher's main service manual regarding any lubrication requirements for moving parts within the conveyor system. The roller spring itself typically does not require lubrication.
- **Replacement:** Replace the roller spring if it shows significant signs of wear, loss of tension, or damage to prevent further issues with the dishwasher's conveyor system.

TROUBLESHOOTING

If you experience issues with your dishwasher's conveyor belt, the roller spring may be a contributing factor. Always consult a qualified technician for complex diagnostics and repairs.

- **Conveyor Belt Slipping or Jamming:**
 - Check if the roller spring has lost tension.
 - Inspect the metallic band for breaks or excessive wear.
 - Ensure the spring assembly is securely mounted.
- **Unusual Noises from Conveyor:**
 - Inspect the spring and its mounting for loose components.

- Check for foreign objects obstructing the spring's movement.

- **Visible Damage to Spring:**

- If the spring, spool, or bracket is bent, broken, or heavily corroded, immediate replacement is necessary.

SPECIFICATIONS

Attribute	Detail
Product Type	Roller Spring for Dishwasher Conveyor Belt
Brand	Angelo Po
Compatible Dishwasher Models	N607D, N354D, N760S, N760D, N506S, N303S
Manufacturer Reference	4251391670358
ASIN	B078J6SMLY
First Available Date	July 6, 2020

WARRANTY AND SUPPORT

For specific warranty information regarding this Angelo Po roller spring, please refer to the documentation provided with your purchase or contact the seller directly. For technical support or professional installation, it is recommended to contact an authorized Angelo Po service center or a qualified appliance technician.

Note: Unauthorized repairs or modifications may void your dishwasher's warranty.

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