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> Workmas Replacement Drive Belt for Central Machinery 8" Drill Press Model S-5901 User Manual

Workmas S-5901

Workmas Replacement Drive Belt User Manual

For Central Machinery 8" Drill Press Model S-5901

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Workmas replacement drive belt, specifically designed for the Central Machinery 8-inch Drill Press, Model S-5901. Please read these instructions carefully before proceeding with installation to ensure safe and correct usage.



A black V-belt, circular in shape, designed as a replacement drive belt for the Central Machinery 8-inch drill press model

S-5901. The belt is made of urethane and is shown against a blue textured background.

2. SAFETY INFORMATION

Always prioritize safety when working with power tools and machinery. Failure to follow safety guidelines can result in serious injury.

- **Disconnect Power:** Always unplug the drill press from its power source before performing any maintenance, adjustments, or belt replacement.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE), including safety glasses and gloves.
- **Read Drill Press Manual:** Refer to your Central Machinery 8" Drill Press owner's manual for additional safety instructions specific to the machine.
- **Inspect Components:** Before and after installation, inspect all components for wear, damage, or improper assembly.

3. SETUP AND INSTALLATION

Follow these steps to replace the drive belt on your Central Machinery 8" Drill Press Model S-5901.

1. **Power Disconnection:** Ensure the drill press is unplugged from the electrical outlet.
2. **Access Belt Housing:** Open the belt housing cover, typically located at the top of the drill press. This may involve unlatching or unscrewing fasteners.
3. **Loosen Motor:** Locate the motor mounting bolts or tensioning mechanism. Loosen these to allow the motor to slide, reducing tension on the existing belt.
4. **Remove Old Belt:** Carefully remove the old drive belt from the pulleys. Note its orientation and path for reference.
5. **Install New Belt:** Place the new Workmas replacement belt onto the pulleys. Ensure it is seated correctly in the grooves of both the motor pulley and the spindle pulley.
6. **Tension Belt:** Adjust the motor position to apply proper tension to the new belt. The belt should be taut but not overly tight; a slight deflection (approximately 1/2 inch) when pressed firmly in the middle is generally acceptable. Refer to your drill press manual for specific tensioning recommendations.
7. **Tighten Motor:** Securely tighten the motor mounting bolts or tensioning mechanism to lock the motor in place.
8. **Close Housing:** Close and secure the belt housing cover.
9. **Test Operation:** Plug in the drill press and briefly run it at a low speed to ensure the belt operates smoothly without slipping or excessive noise.

4. OPERATING INSTRUCTIONS

After successful belt installation, the drill press can be operated according to its original manufacturer's instructions. The replacement belt is designed to maintain the drill press's performance.

- **Speed Adjustment:** If your drill press allows for speed changes by moving the belt to different pulley steps, ensure the belt is correctly seated for the desired speed before operation.
- **Listen for Abnormalities:** During initial operation, listen for any unusual noises, slipping, or vibrations, which may indicate improper belt tension or installation.

5. MAINTENANCE

Regular maintenance helps extend the life of your drive belt and ensures optimal drill press performance.

- **Regular Inspection:** Periodically inspect the drive belt for signs of wear, cracking, fraying, or glazing. Replace the belt if any damage is observed.
- **Cleanliness:** Keep the belt and pulleys free from dust, debris, oil, and grease, which can cause slippage and premature wear.
- **Proper Tension:** Verify that the belt tension remains correct. An overly loose belt can slip, while an overly tight belt can strain the motor and bearings.
- **Storage:** If the drill press is stored for an extended period, consider loosening the belt tension slightly to prevent permanent stretching or deformation.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions related to the drive belt.

Problem	Possible Cause	Solution
Belt slipping	Insufficient tension, oil/grease on belt/pulleys, worn belt	Adjust belt tension, clean belt/pulleys, replace belt if worn
Excessive noise/vibration	Overly tight belt, misaligned pulleys, worn bearings	Adjust belt tension, check pulley alignment, inspect drill press bearings
Belt breaking prematurely	Overly tight belt, incorrect belt type, excessive load	Adjust belt tension, ensure correct belt for model, avoid overloading drill press

7. SPECIFICATIONS

- **Product Type:** Replacement Drive Belt
- **Brand:** Workmas
- **Compatible Device:** Central Machinery 8" Drill Press
- **Compatible Model:** S-5901
- **Material:** Urethane
- **UPC:** 302127675926

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Workmas replacement drive belt, please refer to the original purchase documentation or contact your retailer. Specific warranty terms may vary.