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Bosch 2610009839

Dremel Shaft Lock Assembly User Manual

Model: 2610009839

1. PRODUCT OVERVIEW

The Dremel Shaft Lock Assembly, OEM Part Number 2610009839, is a genuine replacement component manufactured by Bosch Service Parts. This authorized part is designed to be compatible with various Dremel tool models, ensuring proper function and fit.

Key features include:

- Genuine and authorized Dremel part.
- Compatible with different Dremel tool models.
- OEM Part Number: 2610009839.
- Constructed from durable metal.



Figure 1: Dremel Shaft Lock Assembly. This image displays the two primary components of the assembly: a curved, dark metal band with a circular opening, and a separate, cylindrical metal pin with a rounded top and a flat base.

2. SAFETY INFORMATION

Always prioritize safety when working with power tools and their components. Read and understand the safety

instructions provided with your Dremel tool before attempting any repairs or part replacements.

- **Disconnect Power:** Always unplug your Dremel tool from the power source before installing, removing, or inspecting any parts.
- **Wear Eye Protection:** Use appropriate eye protection to prevent injury from small parts or debris.
- **Proper Tools:** Use only the recommended tools for installation to avoid damaging the part or the tool.
- **Secure Workspace:** Ensure your workspace is clean, well-lit, and free from obstructions.
- **Small Parts:** Keep small parts away from children and pets to prevent choking hazards.

3. SETUP AND INSTALLATION

This section outlines the general procedure for replacing the shaft lock assembly. Specific steps may vary slightly depending on your Dremel tool model. Refer to your tool's original manual for detailed disassembly and reassembly instructions.

1. **Prepare the Tool:** Ensure the Dremel tool is unplugged and completely powered off.
2. **Access the Shaft Lock Area:** Depending on your Dremel model, you may need to remove the outer casing or specific covers to access the internal shaft lock mechanism.
3. **Remove Old Assembly:** Carefully remove the old or damaged shaft lock components. Note the orientation and placement of each piece for correct reassembly.
4. **Install New Assembly:**
 - Place the curved metal band (the "lock plate") into its designated slot, ensuring the hole aligns with the shaft.
 - Insert the cylindrical metal pin (the "lock pin") through the appropriate opening, ensuring it engages with the lock plate and the tool's shaft when activated.
5. **Reassemble Tool:** Carefully reassemble any covers or casings removed during the process. Ensure all screws are tightened securely.
6. **Test Functionality:** Before connecting to power, manually test the shaft lock mechanism to ensure it engages and disengages smoothly.

4. OPERATING THE SHAFT LOCK

The shaft lock mechanism is crucial for safely changing accessories on your Dremel rotary tool. It temporarily locks the rotating shaft, allowing you to loosen or tighten collet nuts or chucks.

- **Engaging the Lock:** Press and hold the shaft lock button (or activate the internal mechanism if replacing the part) to engage the lock. You should feel the shaft stop rotating.
- **Changing Accessories:** While the shaft lock is engaged, use the appropriate wrench to loosen or tighten the collet nut or chuck to secure or release the accessory.
- **Disengaging the Lock:** Release the shaft lock button once the accessory is secured. Ensure the shaft rotates freely before operating the tool.

***Important:** Never engage the shaft lock while the tool is running or while the shaft is rotating at high speed. This can cause severe damage to the tool and the shaft lock assembly.*

5. MAINTENANCE

The Dremel Shaft Lock Assembly is designed for durability. Regular maintenance of your Dremel tool will help ensure the longevity of this component.

- **Keep Clean:** Periodically clean the area around the shaft lock mechanism to prevent dust and debris buildup, which

can impede its function. Use compressed air or a soft brush.

- **Inspect for Wear:** Regularly inspect the lock plate and lock pin for signs of wear, bending, or corrosion. Replace the assembly if significant wear is observed.
- **Avoid Force:** Do not apply excessive force when engaging or disengaging the shaft lock. If it feels stiff, inspect for obstructions or damage.

6. TROUBLESHOOTING

If you encounter issues with your Dremel Shaft Lock Assembly, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Shaft lock does not engage.	Misalignment, debris, worn parts.	Check for obstructions. Ensure correct installation. Inspect for wear and replace if necessary.
Shaft lock is stuck or difficult to disengage.	Debris, corrosion, bent components.	Clean the mechanism. Apply a small amount of lubricant if recommended by Dremel. Inspect for damage.
Shaft rotates even when lock is engaged.	Worn lock pin or lock plate, incorrect installation.	Verify correct installation. Replace the shaft lock assembly if components are worn.

If problems persist after troubleshooting, contact Dremel or Bosch Service Parts customer support for further assistance.

7. SPECIFICATIONS

Attribute	Detail
Manufacturer	Bosch Service Parts
Model Number	2610009839
Product Dimensions (L x W x H)	2.54 x 2.54 x 2.54 cm; 4.54 grams
Material	Metal
Quantity of Items	1
Batteries Required	No

8. WARRANTY AND SUPPORT

Specific warranty information for replacement parts may vary. Please refer to the official Bosch Service Parts or Dremel website, or contact their customer support directly for details regarding warranty coverage and technical assistance for OEM Part Number 2610009839.

For further support, you may visit the [Bosch Professional Store on Amazon](#).