DEWALT 514006714

DEWALT 514006714 Regulator Knob Instruction Manual

Original Equipment Manufacturer (OEM) Replacement Part

1. Introduction

The DEWALT 514006714 Regulator Knob is an Original Equipment Manufacturer (OEM) authorized replacement part designed for use with various DEWALT power tools, specifically those requiring a regulator knob for pressure or flow adjustment. This component ensures proper functionality and maintains the performance standards of your DEWALT equipment.

This manual provides essential information regarding the installation, operation, and maintenance of your new regulator knob.

2. Safety Information

Always prioritize safety when working with power tools and their components. Failure to follow safety instructions can result in injury or damage to equipment.

- **Disconnect Power:** Before attempting any installation or maintenance, ensure the power tool is disconnected from its power source (unplugged or battery removed).
- **Read Tool Manual:** Refer to the original power tool's instruction manual for specific safety guidelines and disassembly/assembly procedures related to the regulator component.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- **Proper Tools:** Use only the correct tools for removal and installation to prevent damage to the knob or the tool.
- **Inspect Components:** Before installation, inspect the new knob and the mating part on the tool for any damage or defects.

3. Setup and Installation

This section outlines the general steps for replacing a regulator knob. Specific procedures may vary depending on your DEWALT tool model. Always consult your tool's primary manual for detailed instructions.

3.1 Identifying the Regulator Knob

The regulator knob is typically located on the pressure or flow control mechanism of your DEWALT tool. It is designed for manual adjustment.



Figure 1: A close-up view of the black DEWALT 514006714 regulator knob. The top surface features embossed text 'PUSH LOCK' with an arrow indicating the direction for locking. The knob has a ribbed side for grip and a white indicator line on its front face.

3.2 Removal of Existing Knob (if applicable)

1. Ensure the power tool is completely powered off and disconnected from any power source.
2. Carefully examine how the existing knob is attached. Some knobs may simply pull off, while others might be secured with a set screw or a retaining clip.
3. If a set screw is present, loosen it with the appropriate screwdriver or Allen wrench.
4. Gently pull or pry off the old knob. Avoid excessive force that could damage the underlying shaft or mechanism.

3.3 Installation of New Knob

1. Align the new DEWALT 514006714 regulator knob with the shaft on the tool's regulator mechanism. Ensure any flat sides or keyways on the shaft match the corresponding opening in the knob.
2. Push the knob firmly onto the shaft until it is fully seated. If a set screw was present on the old knob,

ensure the new knob is positioned correctly before tightening the set screw.

3. If the knob features a 'PUSH LOCK' mechanism (as indicated on the knob's surface), ensure it engages correctly. This typically involves pushing down on the knob to lock it in place for stable settings, and pulling up to allow rotation for adjustment.
4. Verify that the knob rotates smoothly and engages the regulator mechanism correctly.

4. Operating the Regulator Knob

Once installed, the regulator knob allows for precise adjustment of the associated function (e.g., air pressure on a compressor, flow rate). The 'PUSH LOCK' feature provides stability for desired settings.

- **Adjusting:** To adjust the setting, pull the knob upwards (if it has a push-lock feature) to disengage the lock. Rotate the knob clockwise to increase the setting or counter-clockwise to decrease it.
- **Locking:** Once the desired setting is achieved, push the knob downwards to engage the lock. This prevents accidental changes to the setting during operation.
- **Indicator Line:** Use the white indicator line on the front of the knob to align with markings on your tool for precise adjustments.

5. Maintenance

The DEWALT 514006714 Regulator Knob requires minimal maintenance to ensure its longevity and proper function.

- **Cleaning:** Periodically wipe the knob with a clean, dry cloth to remove dust and debris. Avoid using harsh chemicals or solvents that could damage the plastic.
- **Inspection:** Regularly inspect the knob for signs of wear, cracks, or damage. Ensure it rotates smoothly and the push-lock mechanism (if present) engages and disengages correctly.
- **Storage:** If the tool is stored for an extended period, ensure the knob is clean and free from obstructions.

6. Troubleshooting

If you encounter issues with your DEWALT 514006714 Regulator Knob, consider the following:

- **Knob Does Not Fit:** Double-check the model number of your tool and ensure the 514006714 knob is the correct replacement part. Compare the shaft shape and size.
- **Knob Is Loose:** Ensure the knob is fully seated on the shaft. If a set screw is used, ensure it is tightened securely.
- **Knob Does Not Turn:** Verify that the push-lock mechanism (if present) is disengaged. Inspect for any obstructions or damage to the knob or the underlying regulator shaft.
- **Regulator Not Adjusting:** If the knob turns but the regulator setting does not change, the issue may lie with the internal regulator mechanism of the tool, not the knob itself. Consult your tool's service manual or a qualified technician.

7. Specifications

Attribute	Detail
Manufacturer	DEWALT

Attribute	Detail
Part Number	514006714
Item Model Number	514006714
Item Weight	0.317 ounces
Product Dimensions	1 x 1 x 1 inches
Power Source	Manual
Item Package Quantity	1
ASIN	B00XELTFGC
Date First Available	May 8, 2015

8. Warranty and Support

Specific warranty information for individual replacement parts like the DEWALT 514006714 Regulator Knob may vary. Please refer to the warranty policy provided with your original DEWALT power tool or visit the official DEWALT website for detailed warranty terms and conditions.

For technical support, further assistance, or to locate authorized service centers, please contact DEWALT customer service or visit their official support channels.