

Simplex 7490608301

Simplex Clutch Knob Kit User Manual

Model: 7490608301

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Simplex Clutch Knob Kit. Please read this manual thoroughly before attempting to install or use the product to ensure safe and efficient performance. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Simplex Clutch Knob Kit is designed as a replacement or accessory component for specific Simplex hydraulic lifting cylinders. It includes the necessary parts to replace or install a clutch knob assembly, ensuring proper function of the associated equipment.



Figure 2.1: A black, textured clutch knob, part of the Simplex Clutch Knob Kit. This component is essential for the manual operation or adjustment of compatible Simplex hydraulic equipment.

3. SAFETY INFORMATION

Always observe general safety precautions when working with industrial equipment. Failure to follow these instructions may result in property damage or personal injury.

- Ensure all power to the main equipment is disconnected before installation or maintenance.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Refer to the primary equipment's instruction manual for specific safety guidelines related to its operation.
- If you are unsure about any installation step, consult a qualified technician.

4. PACKAGE CONTENTS

The Simplex Clutch Knob Kit typically includes the following components:

- Knob
- Spacer

- Retainer Ring

Note: Contents may vary slightly. Inspect all components upon receipt for any damage.

5. SETUP AND INSTALLATION

This Clutch Knob Kit is designed for use with specific Simplex hydraulic lifting cylinders and related equipment. Refer to the original equipment's manual for detailed instructions on replacing or installing clutch components.

5.1 Compatibility

This kit is compatible with Simplex equipment corresponding to Grainger Item Numbers 2PMP3, 2PMP4, 31NH26, 31NH27, 31NH29, 31NH30, 31NH31, 31NH35, 31NH36, 3EPT1, 3EPT2, and Manufacturer Model Numbers 9600, FG.

5.2 General Installation Steps (Consult Equipment Manual for Specifics)

1. **Preparation:** Ensure the primary equipment is de-energized and secured to prevent accidental movement.
2. **Removal (if replacing):** Carefully remove the existing clutch knob assembly, noting the orientation of all components.
3. **Component Assembly:** Assemble the new knob, spacer, and retainer ring according to the original equipment's specifications. The spacer typically provides correct alignment, and the retainer ring secures the knob in place.
4. **Attachment:** Attach the assembled clutch knob kit to the designated shaft or mechanism on the hydraulic cylinder. Ensure it is seated correctly and securely fastened.
5. **Verification:** After installation, manually test the clutch knob's movement and engagement to confirm proper function before re-energizing the equipment.

6. OPERATING INSTRUCTIONS

The clutch knob facilitates manual control or adjustment of the associated hydraulic equipment. Its specific operation depends on the design of the primary Simplex cylinder or device it is installed on.

- **Engagement/Disengagement:** The knob typically allows for manual engagement or disengagement of a clutch mechanism, controlling power transmission or locking a position.
- **Adjustment:** In some applications, the knob may be used to fine-tune settings or release pressure.

Always refer to the operating manual of the specific Simplex equipment where this clutch knob kit is installed for precise operating procedures.

7. MAINTENANCE

Regular inspection and basic maintenance can extend the life of your clutch knob kit and ensure reliable operation.

- **Cleaning:** Keep the knob and surrounding area free from dirt, debris, and corrosive substances. Use a clean, damp cloth for cleaning.
- **Inspection:** Periodically check the knob for signs of wear, cracks, or damage. Ensure the retainer ring is securely in place.
- **Lubrication:** If the primary equipment manual recommends lubrication for the clutch mechanism,

ensure it is applied as directed, avoiding contact with the knob itself unless specified.

- **Replacement:** If any component of the kit shows significant wear or damage, replace the entire kit to maintain optimal performance and safety.

8. TROUBLESHOOTING

This section addresses common issues related to the clutch knob kit. For issues with the primary equipment, refer to its dedicated manual.

Problem	Possible Cause	Solution
Knob feels loose or wobbly.	Retainer ring not fully seated or damaged.	Inspect and re-seat the retainer ring. If damaged, replace the kit.
Difficulty turning or engaging the knob.	Debris accumulation; internal mechanism issue in primary equipment.	Clean the knob and surrounding area. If the issue persists, consult the primary equipment's manual or a technician.
Knob is visibly cracked or broken.	Physical damage.	Replace the entire Clutch Knob Kit.

9. SPECIFICATIONS

Attribute	Detail
Brand	Simplex
Product Type	Clutch Knob Kit
Model Number	7490608301
Compatibility	Grainger Item Numbers: 2PMP3, 2PMP4, 31NH26, 31NH27, 31NH29, 31NH30, 31NH31, 31NH35, 31NH36, 3EPT1, 3EPT2; Mfr. Model Numbers: 9600, FG
Includes	Knob, Spacer, Retainer Ring
Manufacturer	SIMPLEX
First Available	January 13, 2018

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Simplex Clutch Knob Kit, please contact Simplex customer service or refer to the official Simplex website. Keep your purchase receipt as proof of purchase.

Refer to the Simplex official website or product packaging for specific contact details and warranty terms.

