

Kohler 25 755 03-S

Kohler 25-755-03-S Engine Voltage Regulator User Manual

Genuine Original Equipment Manufacturer (OEM) Part

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Kohler 25-755-03-S Engine Voltage Regulator. This is a genuine Original Equipment Manufacturer (OEM) part designed to regulate voltage in lawn and garden equipment engines. Please read this manual thoroughly before proceeding with any procedures.

2. SAFETY INFORMATION

WARNING: Always prioritize safety. Failure to follow these instructions may result in injury or damage to equipment.

- Ensure the engine is completely cool before attempting installation or maintenance.
- Disconnect the battery or spark plug wire to prevent accidental starting of the engine.
- Wear appropriate personal protective equipment, including work gloves and eye protection, to protect your hands and eyes.
- If you are unsure about any step, consult a qualified service technician.
- Keep children and pets away from the work area.

3. PRODUCT OVERVIEW

The Kohler 25-755-03-S is a voltage regulator designed for lawn and garden equipment engines. Its primary function is to limit the amount of voltage in the electrical system, ensuring stable power delivery and protecting electrical components from overvoltage.



Figure 1: Front view of the Kohler 25-755-03-S Engine Voltage Regulator. This image shows the compact, rectangular metal housing with three electrical terminals visible on the top surface, designed for connection within the engine's electrical system.



Video 1: Overview of a voltage regulator, similar to the Kohler 25-755-03-S. This video demonstrates the physical appearance and key features of the component, including its terminals and mounting points.



Video 2: Detailed view of a voltage regulator, including its terminals labeled A, B+, and AC. This video provides a closer look at the connection points and the overall construction of the device.

4. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install the voltage regulator:

1. **Preparation:** Ensure the engine is turned off and has completely cooled down. Disconnect the spark plug wire or battery to prevent accidental starting. Wear work gloves.

2. **Locate Old Regulator:** Identify the existing voltage regulator on your lawn and garden equipment engine. Note its mounting position and wiring connections.
3. **Disconnect Wiring:** Carefully disconnect the electrical wires from the old voltage regulator. Pay attention to which wire connects to which terminal (e.g., AC, B+).
4. **Remove Old Regulator:** Unscrew and remove the old voltage regulator from its mounting bracket.
5. **Mount New Regulator:** Position the new Kohler 25-755-03-S voltage regulator in the same location. Secure it using the appropriate screws or fasteners. Ensure it is firmly mounted.
6. **Connect Wiring:** Connect the electrical wires to the new voltage regulator's terminals. Match the connections precisely as they were on the old unit. Refer to your equipment's specific wiring diagram if available.
7. **Final Check:** Double-check all connections to ensure they are secure and correctly attached. Reconnect the spark plug wire or battery.

Note: Some installations may require minor adjustments, such as drilling a new mounting hole or using washers, if the physical dimensions differ slightly from the original part. Always ensure a secure fit.

5. OPERATING PRINCIPLES

Once installed, the voltage regulator operates automatically. It converts the alternating current (AC) generated by the engine's stator into direct current (DC) and regulates the voltage output to a stable level, typically around 12-14 volts for charging the battery and powering the electrical system. There are no user-adjustable settings on this component.

6. MAINTENANCE

The Kohler 25-755-03-S voltage regulator is a sealed unit and requires no routine maintenance. Periodically inspect the wiring connections for corrosion or looseness. Ensure the mounting remains secure. If the unit appears damaged or shows signs of overheating (discoloration), it should be replaced.

7. TROUBLESHOOTING

If you experience issues after installing the voltage regulator, consider the following:

- **Battery Not Charging:**
 - Check all wiring connections for tightness and correct polarity.
 - Test the battery to ensure it is capable of holding a charge.
 - Inspect the engine's stator for proper output (requires specialized testing equipment).
 - A faulty ignition switch or other electrical components can also prevent charging.
- **Overcharging (Battery Boiling/Hot):**
 - This indicates the regulator is not limiting voltage. The regulator may be faulty and require replacement.
- **No Power to Accessories:**
 - Verify all fuses are intact.
 - Check for loose or corroded connections in the electrical system.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional technician.

8. SPECIFICATIONS

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| Part Number: | 25-755-03-S |
| Brand: | Kohler |
| Product Type: | Engine Voltage Regulator |
| Compatibility: | Lawn and Garden Equipment Engines (Vehicle Specific Fit) |
| Dimensions: | Approximately 10 x 6 x 1 inches |
| Weight: | Approximately 1 pound |

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Kohler website or contact Kohler customer service directly. Keep your purchase receipt as proof of purchase. This genuine OEM part is designed for reliability and performance.

Contact Information:

- **Kohler Official Website:** www.kohler.com
- Refer to your equipment's owner's manual for specific service center locations.

