

RATION RCT2800A, RST285A

RATION Primer Bulb Replacement Kit User Manual

For Ryobi Talon Trimmer Brushcutter Grass Scorpion RCT2800A & RST285A

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, maintenance, and troubleshooting of the RATION Primer Bulb Replacement Kit. This kit is designed to replace worn or damaged primer bulbs and fuel lines in compatible Ryobi Talon trimmer and brushcutter models, ensuring optimal engine starting performance.

2. COMPATIBILITY

This primer bulb replacement kit is specifically designed for use with the following Ryobi Talon Trimmer and Brushcutter models:

- Ryobi Talon Trimmer Brushcutter Grass Scorpion RCT2800A
- Ryobi Talon Trimmer Brushcutter Grass Scorpion RST285A

To ensure compatibility, please verify your equipment's model number before proceeding with installation. Refer to your original equipment's user manual for specific part identification if necessary.

3. PACKAGE CONTENTS

The RATION Primer Bulb Replacement Kit typically includes the following components:

- Multiple Primer Bulbs (quantity may vary per kit)
- Fuel Line Tubing (yellow, coiled)



Image: The kit includes five primer bulbs, each with a clear dome and black base, and a coiled length of translucent yellow fuel line tubing. These components are essential for replacing the fuel priming system in compatible trimmers.

4. INSTALLATION GUIDE

Safety First: Before beginning any repair or maintenance, ensure the engine is off, cool, and the spark plug wire is disconnected to prevent accidental starting.

1. **Access the Primer Bulb:** Locate the existing primer bulb on your Ryobi Talon trimmer. It is typically found near the carburetor or fuel tank.
2. **Drain Fuel:** If necessary, drain any remaining fuel from the fuel tank into an approved container.
3. **Disconnect Fuel Lines:** Carefully note the routing of the fuel lines connected to the old primer bulb.

Use small pliers or a pick tool to gently disconnect the fuel lines from the old bulb. Be prepared for a small amount of fuel spillage.

4. **Remove Old Primer Bulb:** Depending on your model, the primer bulb may be pressed into a housing or secured with a clip. Gently pry or unclip the old primer bulb to remove it.
5. **Install New Primer Bulb:** Press the new primer bulb firmly into its housing until it is securely seated. Ensure it is oriented correctly.
6. **Connect New Fuel Lines:** Cut sections of the new yellow fuel line tubing to match the lengths of the old lines. Connect the new fuel lines to the appropriate ports on the new primer bulb. Refer to your equipment's service manual or take photos before disassembly if unsure about line routing. Typically, one line goes to the fuel tank (return) and the other to the carburetor.
7. **Reconnect Spark Plug Wire:** Once all connections are secure, reconnect the spark plug wire.
8. **Refuel and Test:** Refill the fuel tank with the appropriate fuel mixture. Prime the system by pressing the new primer bulb several times until fuel is visible and flows freely. Attempt to start the trimmer to confirm proper operation.

If you are unsure about any step, it is recommended to consult a qualified service technician or refer to your specific equipment's detailed service manual.

5. OPERATING (FUNCTION)

The primer bulb's function is to draw fuel from the tank into the carburetor, preparing the engine for starting. Before attempting to start your trimmer, press the primer bulb repeatedly (typically 5-10 times) until you see fuel flowing through the clear bulb and into the carburetor. This ensures that the carburetor bowl is filled with fuel, allowing for easier and more reliable starting, especially after periods of inactivity.

6. MAINTENANCE

While primer bulbs are designed for durability, regular inspection can extend their lifespan and ensure reliable starting:

- **Visual Inspection:** Periodically check the primer bulb for cracks, hardening, or signs of fuel leakage. A cracked or stiff bulb will not prime effectively.
- **Fuel Line Check:** Inspect the fuel lines for cracks, kinks, or deterioration. Replace them if any damage is observed.
- **Cleanliness:** Keep the area around the primer bulb clean to prevent dirt and debris from entering the fuel system.
- **Proper Fuel:** Always use the correct fuel type and oil mixture recommended by your trimmer's manufacturer. Improper fuel can degrade rubber and plastic components over time.

7. TROUBLESHOOTING

If your trimmer is experiencing starting issues after primer bulb replacement, consider the following:

- **Engine Not Priming:** If the primer bulb does not fill with fuel or feels soft/spongy when pressed, check for air leaks in the fuel lines or around the primer bulb's seating. Ensure all fuel line connections are secure.
- **Fuel Leaks:** Inspect all fuel line connections and the primer bulb's seating for any signs of fuel leakage. Tighten connections or re-seat the bulb if necessary.
- **Incorrect Fuel Line Routing:** Verify that the fuel lines are connected to the correct ports on the

primer bulb and carburetor/fuel tank. Incorrect routing will prevent proper priming.

- **Other Starting Issues:** If the primer bulb functions correctly but the trimmer still won't start, the issue may lie elsewhere (e.g., spark plug, carburetor, fuel filter). Consult your trimmer's main user manual for further troubleshooting steps.

8. SPECIFICATIONS

Component	Description
Product Type	Primer Bulb Replacement Kit
Compatibility	Ryobi Talon Trimmer Brushcutter Grass Scorpion RCT2800A, RST285A
Material	Durable plastic and rubber compounds
Included Items	Primer Bulbs, Fuel Line Tubing

9. SUPPORT

For further assistance or inquiries regarding this RATION product, please refer to the seller's contact information on the original purchase platform. Always ensure to provide your product details and purchase information when seeking support.

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This manual is for informational purposes only. Always follow safety guidelines and consult professional assistance when necessary.