

## RATION Ignition Coil for Craftsman 917.389062

# RATION Ignition Coil for Craftsman 917.389062 Lawn Mower with 6.75HP Engine User Manual

Model: Ignition Coil for Craftsman 917.389062



Image: RATION brand logo, a black text logo on a white background.

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your RATION Ignition Coil. This ignition coil is designed as a replacement part specifically for Craftsman 917.389062 lawn mowers equipped with a 6.75HP engine. Please read this manual thoroughly before attempting any installation or maintenance to ensure safe and efficient use.

## 2. SAFETY INFORMATION

Always prioritize safety when working with power equipment. Failure to follow safety instructions can result in serious injury or damage to equipment.

- **Disconnect Spark Plug Wire:** Before performing any work on the engine, always disconnect the spark plug wire to prevent accidental starting.
- **Engine Cool Down:** Allow the engine to cool completely before handling any components to avoid burns.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection.
- **Refer to Mower Manual:** Always consult your Craftsman 917.389062 lawn mower's original owner's manual for specific safety procedures and instructions.
- **Professional Installation:** If you are unsure about any step, seek assistance from a qualified

technician.

### 3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x RATION Ignition Coil
- 1 x Spark Plug

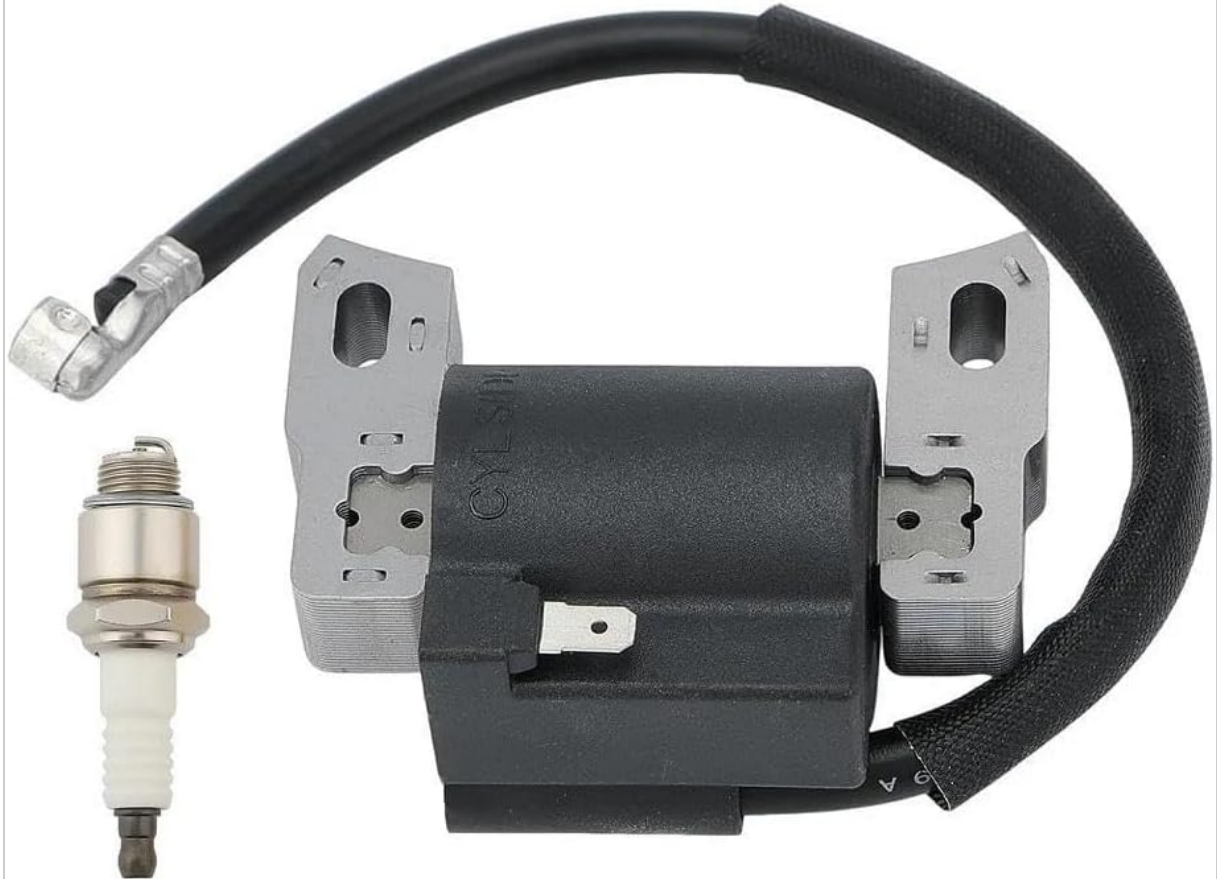


Image: The RATION Ignition Coil and a spark plug are shown together. The ignition coil is black with a metal bracket, and a black wire extends from it. The spark plug is silver and white.

### 4. SETUP (INSTALLATION)

This section outlines the general steps for replacing an ignition coil. Specific procedures may vary slightly depending on your exact lawn mower model. Always refer to your mower's service manual for detailed instructions.

#### Pre-Installation Checks:

- Ensure the engine is off and cool.
- Disconnect the spark plug wire from the spark plug.
- Clean the area around the existing ignition coil to prevent debris from entering the engine.
- Confirm the new RATION Ignition Coil is the correct replacement part for your Craftsman 917.389062 lawn mower with a 6.75HP engine.

#### Installation Steps:

1. **Locate the Old Ignition Coil:** The ignition coil is typically mounted near the flywheel on the engine.

2. **Disconnect Wires:** Carefully disconnect any electrical wires connected to the old ignition coil. Note their positions for reinstallation.
3. **Remove Mounting Bolts:** Unscrew the bolts or screws that secure the old ignition coil to the engine block.
4. **Remove Old Coil:** Carefully remove the old ignition coil.
5. **Install New Coil:** Position the new RATION Ignition Coil in place. Ensure the air gap between the coil's laminations and the flywheel magnets is correctly set. This gap is crucial for proper spark generation. Refer to your mower's manual for the exact specification, usually set with a feeler gauge (e.g., 0.010-0.014 inches).
6. **Secure Mounting Bolts:** Tighten the mounting bolts to secure the new coil.
7. **Reconnect Wires:** Reconnect all electrical wires to the new ignition coil in their original positions.
8. **Install New Spark Plug:** If replacing the spark plug, install the new spark plug provided. Ensure it is tightened to the manufacturer's specifications.
9. **Reconnect Spark Plug Wire:** Firmly reattach the spark plug wire to the new spark plug.
10. **Test:** Start the engine to verify proper operation.

## 5. OPERATING

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The RATION Ignition Coil is an internal engine component responsible for generating the high voltage required to create a spark at the spark plug. Once correctly installed, it operates automatically as part of the engine's ignition system, ensuring reliable spark generation for combustion. No direct user operation is required for the ignition coil itself.

## 6. MAINTENANCE

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Proper maintenance of your ignition system components ensures optimal engine performance and longevity.

- **Regular Inspection:** Periodically inspect the ignition coil and its wiring for any signs of damage, corrosion, or loose connections.
- **Keep Clean:** Ensure the area around the ignition coil is free from dirt, debris, and oil buildup, which can affect its performance and heat dissipation.
- **Spark Plug Replacement:** Replace the spark plug according to your lawn mower's maintenance schedule, typically annually or every 25 operating hours, to maintain efficient ignition.
- **Air Gap Check:** If experiencing ignition issues, re-check the air gap between the ignition coil and the flywheel.

## 7. TROUBLESHOOTING

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If your lawn mower is experiencing ignition-related problems, the following troubleshooting steps may help. Always ensure safety precautions are followed before attempting any checks.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine does not start (no spark)	Incorrect coil-to-flywheel air gap Loose or corroded wiring Faulty spark plug Kill switch engaged	Adjust air gap Check and secure all connections Replace spark plug Disengage kill switch
Weak or intermittent spark	Incorrect coil-to-flywheel air gap Dirty or fouled spark plug Loose connections Coil overheating	Adjust air gap Clean or replace spark plug Check and secure all connections Ensure proper ventilation around coil
Engine misfires or runs rough	Faulty spark plug Incorrect air gap Fuel system issues (not coil related)	Replace spark plug Check and adjust air gap Consult mower manual for fuel system troubleshooting

If these steps do not resolve the issue, it is recommended to consult a professional lawn mower technician or refer to your mower's comprehensive service manual.

## 8. SPECIFICATIONS

- **Brand:** RATION
- **Part Type:** Ignition Coil
- **Compatibility:** Craftsman 917.389062 Lawn Mower with 6.75HP Engine
- **Included Components:** Ignition Coil, Spark Plug
- **UPC:** 680389310503
- **ASIN:** B0FSX875CZ

## 9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your RATION Ignition Coil, please contact the seller or retailer from whom you purchased the product. Keep your proof of purchase for any warranty claims.