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AMECA 590917501

JONSRED 58V Battery 6.5HP Mower Engine User Manual

Model: 590917501

Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your JONSRED 58V Battery 6.5HP Mower Engine, part number 590917501. Please read this manual thoroughly before installation or use to ensure proper function and longevity of the engine.

Safety Information

Always observe basic safety precautions when working with power equipment. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the engine is disconnected from any power source (battery) before performing maintenance or installation.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Keep hands, feet, and clothing away from moving parts.
- Do not operate the engine in wet conditions or in the presence of flammable liquids or gases.
- Store the engine in a dry, secure location away from children and unauthorized personnel.
- Refer to the mower's original instruction manual for specific safety guidelines related to the complete unit.

Product Overview

The JONSRED 58V Battery 6.5HP Mower Engine is a cordless power unit designed for walk-behind push or self-propelled mowers. It features a standard crankshaft for broad compatibility.



Figure 1: JONSRED 58V Battery 6.5HP Mower Engine. A red and black JONSRED 58V Battery 6.5HP Mower Engine, viewed from a slight angle, showcasing its compact design. The Jonsered logo is visible on the black base.

Specifications

Feature	Detail
Model Number	590917501
Power Output	6.5 HP
Voltage	58V (Battery Cordless)
Crankshaft Dimensions	1" / 25mm x 3 5/32" Standard Tapped and Keyed
Brand	AMECA (JONSRED)
UPC	367457733524

Setup and Installation

This engine is designed as a replacement part. Installation should be performed by individuals familiar with mower engine replacement procedures.

1. **Preparation:** Ensure the mower is turned off, the spark plug wire is disconnected (if applicable to the mower type), and the battery is removed from the mower.
2. **Removal of Old Engine:** Carefully disconnect all wiring, mounting bolts, and any other attachments from the old engine. Note the position of all components for reassembly.
3. **Crankshaft Alignment:** The JONSRED engine features a 1" / 25mm x 3 5/32" standard tapped and keyed crankshaft. Ensure this matches the requirements of your mower's blade assembly or drive system.
4. **Mounting:** Position the new JONSRED engine onto the mower chassis. Secure it using the appropriate mounting bolts. Do not overtighten.
5. **Wiring Connections:** Reconnect all necessary wiring. Ensure connections are secure and properly insulated.
6. **Battery Installation:** Once the engine is securely mounted and wired, reinsert the 58V battery into its designated compartment on the mower.
7. **Pre-Operation Check:** Before starting, double-check all connections, ensure no tools are left on the mower, and verify that the blade (if attached) is free to rotate.

Operating Instructions

This section provides general guidance for operating the engine once installed in a compatible mower. Refer to your mower's specific user manual for detailed operating procedures.

- **Battery Insertion:** Ensure a fully charged 58V battery is securely inserted into the mower's battery compartment.
- **Starting Procedure:** Follow the starting procedure outlined in your mower's manual. This typically involves engaging a safety switch and pressing a start button or pulling a bail.
- **Operation:** Operate the mower according to its intended use. The 6.5HP engine provides ample power for various lawn conditions.
- **Stopping Procedure:** Release the safety bail or press the stop button as per your mower's instructions. Remove the battery when the mower is not in use or before any adjustments.

Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your engine. Always disconnect the battery before performing any maintenance.

- **Cleaning:** Keep the engine and its cooling fins free from debris, grass clippings, and dirt. Use a dry cloth or soft brush. Do not use water directly on electrical components.
- **Connections:** Periodically check all electrical connections and mounting bolts for tightness.
- **Battery Care:** Follow the battery manufacturer's instructions for charging, storage, and maintenance of the 58V battery.
- **Professional Service:** For complex issues or internal repairs, it is recommended to seek service from a qualified technician.

Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, contact customer

support.

Problem	Possible Cause	Solution
Engine does not start	Battery not charged or improperly inserted; Loose electrical connections; Mower safety switch not engaged.	Ensure battery is fully charged and correctly seated; Check and secure all wiring; Engage mower's safety bail/switch.
Engine loses power during operation	Battery charge low; Overload due to thick grass.	Recharge battery; Adjust cutting height or reduce mowing speed in dense areas.
Unusual noise or vibration	Loose mounting bolts; Debris caught in blade area (if attached); Internal engine issue.	Check and tighten mounting bolts; Disconnect battery and clear any debris; If problem persists, seek professional service.

Compatibility

This JONSRED 58V Battery 6.5HP Mower Engine (Part #590917501) is specifically designed for models that require this part number. It is also compatible with other Husqvarna-produced brands, which may include:

- AYP
- Craftsman
- Jonsered
- MCC
- Poulan
- RedMax
- Weed Eater

Always verify the part number and crankshaft specifications (1"/25MM x 3 5/32" Standard Tapped and Keyed) to ensure proper fit and function with your specific mower model.

Customer Support

If you have any questions regarding specific models, part numbers, installation, or troubleshooting that is not covered in this manual, please contact the manufacturer or seller for assistance. Providing your product's model and serial number will help expedite support.

Warranty Information

This product is covered by the manufacturer's standard warranty. Please refer to the warranty documentation provided with your purchase for details on coverage, terms, and conditions. Keep your proof of purchase for warranty claims.

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