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GOOFIT H388-072

GOOFIT Ignition Rebuild Kit Wiring Harness Manual

Model: H388-072

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the GOOFIT Ignition Rebuild Kit Wiring Harness. This kit is designed to replace the electrical ignition system in compatible 4-stroke Chinese ATVs, dirt bikes, go-karts, scooters, and mopeds. Please read this manual thoroughly before installation to ensure proper function and safety.

Product Overview

The GOOFIT Ignition Rebuild Kit is a complete electric start engine wiring harness loom. It includes all necessary components for a full ignition system replacement, designed to restore or upgrade your vehicle's electrical starting capabilities.

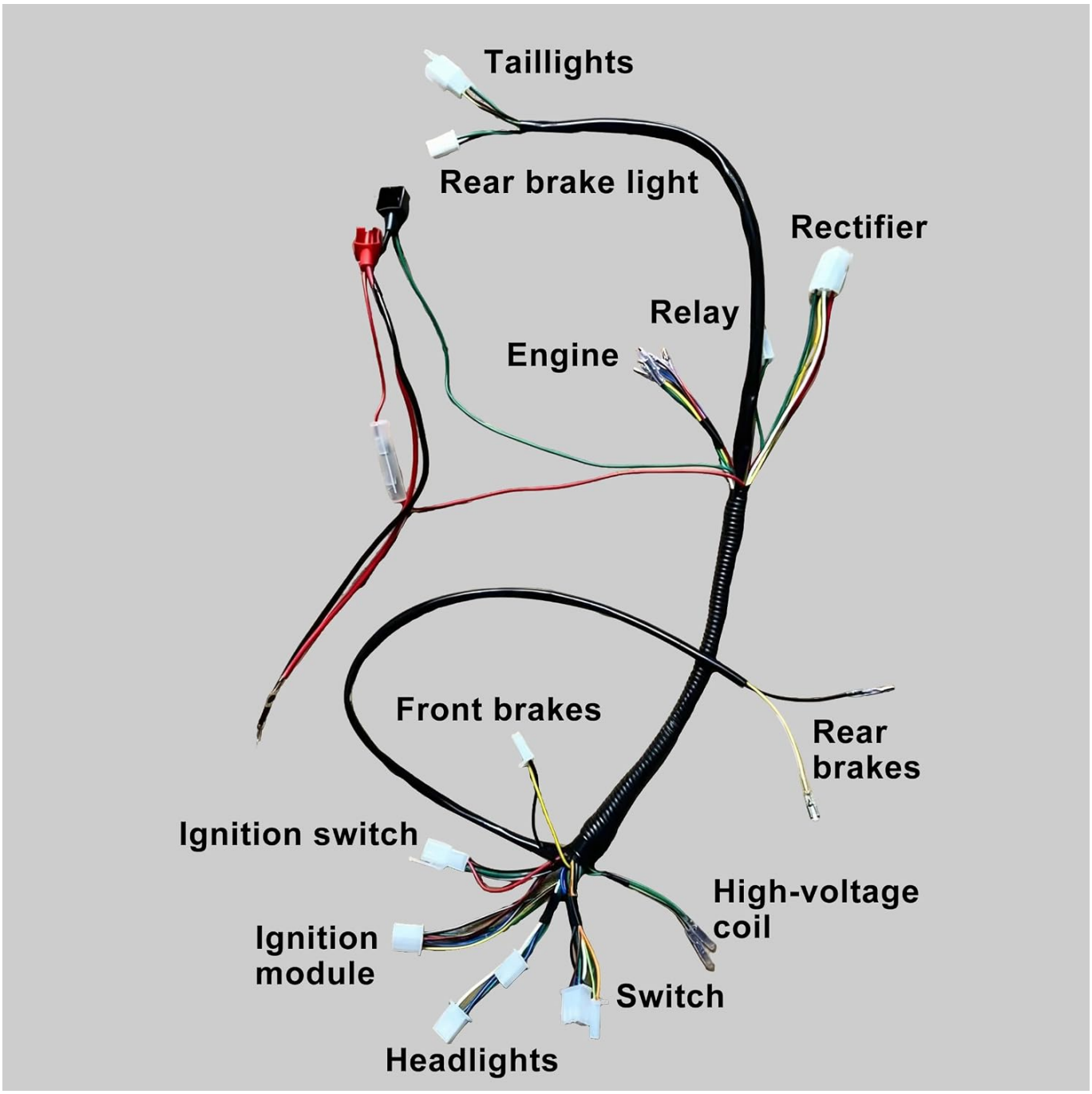


Image: Overview of the complete GOOFIT Ignition Rebuild Kit, showing all included components such as the wiring harness, ignition switch, CDI, and relay.



Image: The GOOFIT Ignition Rebuild Kit components, including the CDI and regulator, which help disperse excess voltage and improve charging capacity.

Compatibility

This ignition rebuild kit is compatible with various 4-stroke Chinese-made vehicles. It is designed for electric start vertical engines.

- **Engine Sizes:** 50cc, 70cc, 90cc, 110cc, 125cc
- **Vehicle Types:** ATVs, quad bikes, dirt bikes, pit bikes, go-karts, 4-wheelers, scooters, buggies, motowork dune vehicles.
- **Brands:** Compatible with many Chinese brands such as TaoTao and Coolster.

Important: Before purchasing and installing, carefully compare the provided images and wiring diagrams with your existing system to ensure full compatibility.



Image: The GOOFIT Ignition Rebuild Kit displayed alongside examples of compatible vehicles, including a go-kart, scooter, and ATV.

Package Contents

The GOOFIT Ignition Rebuild Kit (Model H388-072) includes the following components:

- Complete Wiring Harness Loom (total length: 1200mm / 47.24 inches)
- Ignition Switch with Keys
- Spark Plug
- Kill Switch
- Solenoid Relay
- CDI (Capacitor Discharge Ignition) Unit
- Ignition Coil
- Rectifier

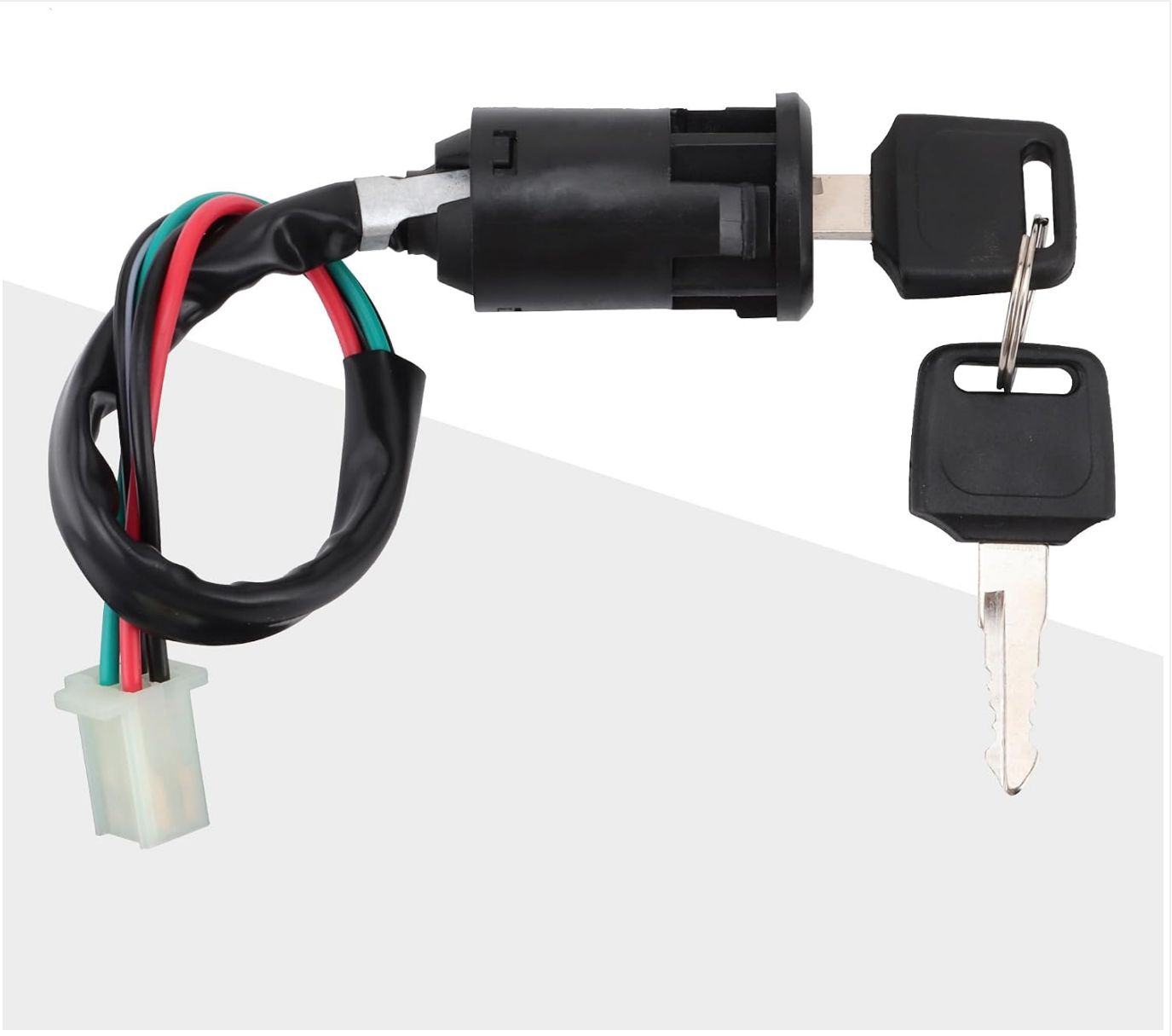


Image: Close-up of the ignition switch and keys, a key component of the rebuild kit.



Image: The kill switch, an essential safety component included in the kit.



Image: The solenoid relay, part of the electric start system in the GOOFIT kit.

Safety Information

Always prioritize safety when working with electrical systems. Improper installation can lead to electrical shorts, component damage, or personal injury.

- Disconnect the vehicle's battery before beginning any electrical work.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- If you are unsure about any step, consult a qualified mechanic or refer to your vehicle's specific service manual.
- Keep children and pets away from the work area.

Setup and Installation

This section outlines the general steps for installing the GOOFIT Ignition Rebuild Kit. Refer to the wiring diagrams and your vehicle's specific service manual for detailed instructions.

1. Preparation

1. Ensure the vehicle's battery is disconnected.
2. Carefully remove the old wiring harness and ignition components, noting the routing and connections.

3. Clean any debris or corrosion from connection points.

2. Wiring Harness Installation

The wiring harness is designed with specific connectors for each component. Match the connectors from the new harness to the corresponding components on your vehicle.



Image: Detailed view of the multi-pin connectors on the wiring harness, designed for specific component connections.

1. Connect the main harness to the engine's stator and magneto.
2. Connect the CDI unit, ensuring it is securely mounted.
3. Attach the solenoid relay to the starter motor circuit.
4. Connect the ignition coil and spark plug wire.
5. Route the wires for the ignition switch, kill switch, headlights, taillights, and brake lights to their respective locations.
6. Connect the rectifier.

3. Component Connection Guide

Refer to the following diagrams for a visual guide to connecting the components. The labeled diagram shows the physical layout of the harness, while the basic wiring diagram illustrates the electrical flow.

Image: A labeled diagram illustrating the various connection points on the wiring harness, including ignition switch, engine, headlights, taillights, brake lights, rectifier, relay, and high-voltage coil.

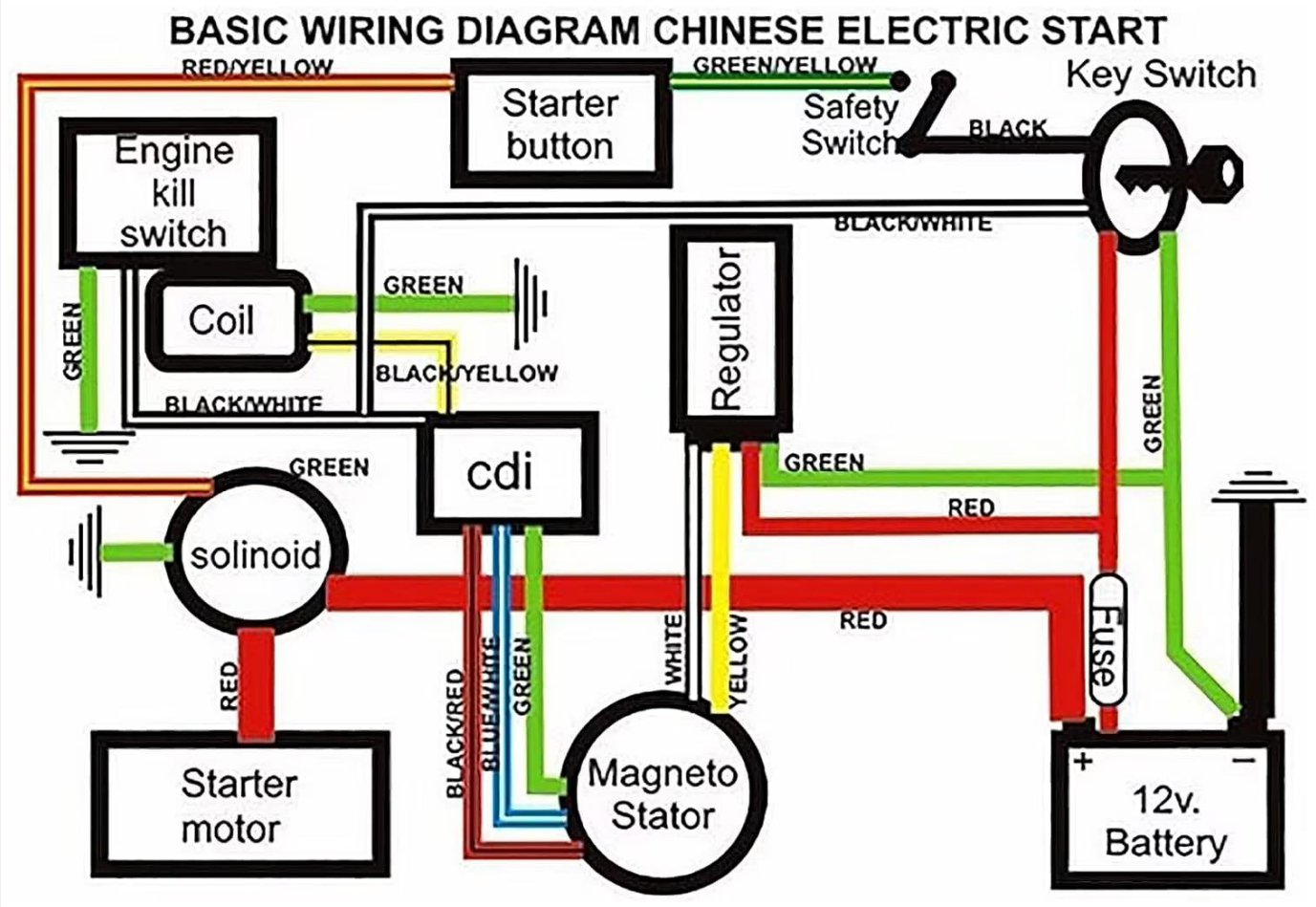


Image: Basic wiring diagram for a Chinese electric start system, showing connections between the battery, key switch, starter button, engine kill switch, coil, CDI, solenoid, starter motor, magneto stator, and regulator.

4. Final Checks

1. Double-check all connections for tightness and correct placement.
2. Ensure no wires are pinched or exposed.
3. Reconnect the vehicle's battery.
4. Test the ignition system and all electrical components (lights, kill switch, starter).

Operating Instructions

Once the GOOFIT Ignition Rebuild Kit is correctly installed, operate your vehicle according to its original manufacturer's instructions. The new ignition system functions identically to the original electric start system.

- **Starting the Engine:** Insert the key into the ignition switch and turn it to the "ON" position. Press the starter button.
- **Stopping the Engine:** Turn the ignition key to the "OFF" position or use the kill switch.
- **Lights:** Operate headlights and taillights using the designated switch on your vehicle's handlebars.

Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your ignition system.

- **Inspect Wiring:** Periodically check the wiring harness for any signs of wear, fraying, or damage. Ensure all connections remain secure.
- **Clean Connections:** If corrosion is observed on electrical terminals, disconnect the battery and clean the terminals with a wire brush and electrical contact cleaner.
- **Spark Plug:** Inspect and replace the spark plug according to your vehicle's service schedule. Ensure the gap is set correctly.
- **Battery:** Maintain your vehicle's battery in good condition, as a weak battery can affect the electric start system.

Troubleshooting

If you encounter issues after installing the GOOFIT Ignition Rebuild Kit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Engine does not crank when starter button is pressed.	• Loose battery connection. • Dead or weak battery. • Faulty starter solenoid. • Kill switch engaged. • Ignition switch off.	• Check and tighten battery terminals. • Charge or replace battery. • Test and replace solenoid if necessary. • Ensure kill switch is in "RUN" position. • Turn ignition key to "ON".
Engine cranks but does not start.	• No spark from spark plug. • Incorrect wiring of CDI or ignition coil. • Fuel delivery issue (not related to this kit).	• Check spark plug for spark. Replace if faulty. • Verify all ignition coil and CDI connections against the wiring diagram. • Consult vehicle's manual for fuel system troubleshooting.
Lights or other electrical components not working.	• Loose connection in the harness. • Blown fuse (if applicable to your vehicle's system). • Faulty component (e.g., bulb).	• Inspect all relevant harness connections. • Check and replace any blown fuses. • Test individual components.

If these steps do not resolve the issue, it is recommended to seek assistance from a professional mechanic.

Specifications

Feature	Detail
Model Number	H388-072
Wire Harness Length	1200mm (47.24 inches)
Compatibility	4-stroke 50cc, 70cc, 90cc, 110cc, 125cc Chinese electric start vertical engines (ATV, Dirt Bike, Go Kart, Scooter, Moped)

Feature	Detail
Kit Components	Wiring Harness, Ignition Switch, Spark Plug, Kill Switch, Solenoid Relay, CDI Unit, Ignition Coil, Rectifier
Item Weight	1.89 pounds
Package Dimensions	10.98 x 7.56 x 3.07 inches

Warranty Information

GOOFIT is committed to customer satisfaction. If you are not satisfied with your order, please contact us for replacement or refund options. Specific warranty duration and terms may vary; refer to your purchase documentation for details.

Customer Support

For any questions, technical assistance, or support regarding the GOOFIT Ignition Rebuild Kit, please contact GOOFIT customer service through the platform where the product was purchased. We are available to assist our customers.
You can also visit the official GOOFIT store for more information and products:GOOFIT Store on Amazon

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