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› [YOWSOM](#) /

› [YOWSOM Starter Motor Instruction Manual for Haojue HJ125-16, HJ150-6, HJ150-3/3A Motorcycles](#)

YOWSOM YXSM789

YOWSOM Starter Motor Instruction Manual

MODEL: YXSM789

For Haojue HJ125-16, HJ150-6, HJ150-3/3A Motorcycles

[Overview](#)

[Safety Information](#)

[Installation](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Support](#)

1. PRODUCT OVERVIEW

This manual provides instructions for the YOWSOM Starter Motor, designed as a replacement or repair part for specific Haojue motorcycle models. The starter motor is an essential component responsible for initiating the engine's combustion cycle.

This product is compatible with the following Haojue motorcycle models:

- Haojue HJ125-16
- Haojue HJ150-6
- Haojue HJ150-3/3A

The starter motor converts electrical energy from the battery into mechanical energy, rotating the engine's flywheel to start the engine. This unit is designed for durability and ease of installation.

2. SAFETY INFORMATION

Always prioritize safety when working with motorcycle components. Improper installation or handling of electrical parts can lead to injury or damage to the motorcycle.

- Disconnect the motorcycle's battery before beginning any installation or repair work to prevent electrical shock or short circuits.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the motorcycle is stable and securely supported before working on it.

- If you are unsure about any step of the installation process, consult a qualified motorcycle mechanic.
- Keep children and pets away from the work area.

3. INSTALLATION GUIDE

This YOWSOM Starter Motor is designed for straightforward installation as a direct replacement for the original part. No complicated steps are required, but basic mechanical knowledge and tools are necessary.



Figure 3.1: YOWSOM Starter Motor. This image displays the silver-colored cylindrical starter motor with its splined shaft and electrical connection point.

1. **Preparation:** Ensure the motorcycle is turned off and the battery's negative terminal is disconnected. Allow the engine to cool if it has been recently operated.
2. **Locate the Old Starter Motor:** Refer to your motorcycle's service manual to identify the exact location of the starter motor.
3. **Disconnect Wiring:** Carefully disconnect any electrical wiring connected to the old starter motor. Note the routing and connection points for reassembly.
4. **Remove Mounting Bolts:** Remove the bolts securing the old starter motor to the engine casing. Support the motor as you remove the last bolt to prevent it from falling.
5. **Remove Old Motor:** Gently pull the old starter motor out of its mounting position.
6. **Install New Motor:** Position the YOWSOM Starter Motor into the mounting location. Ensure it seats correctly.
7. **Secure Mounting Bolts:** Reinstall the mounting bolts and tighten them according to your motorcycle's torque specifications. Do not overtighten.
8. **Reconnect Wiring:** Reconnect the electrical wiring to the new starter motor, ensuring all connections are secure and properly insulated.
9. **Reconnect Battery:** Reconnect the negative terminal of the motorcycle's battery.
10. **Test Functionality:** Attempt to start the motorcycle to verify proper operation of the new starter motor.

Note: This product is not the manufacturer's original part but is designed to function as a compatible replacement.

4. OPERATION

The starter motor's operation is integrated into your motorcycle's ignition system. Once installed, its function is activated by the motorcycle's standard starting procedure.

1. Ensure the motorcycle is in neutral or the clutch lever is engaged (if applicable to your model).
2. Turn the ignition key to the "ON" position.
3. Press the starter button. The starter motor will engage, rotating the engine to initiate combustion.
4. Once the engine starts, release the starter button immediately. Prolonged engagement of the starter motor after the engine has started can cause damage.

If the engine does not start after a few attempts, refer to the Troubleshooting section or consult your motorcycle's owner's manual.

5. MAINTENANCE

The YOWSOM Starter Motor is designed to be durable and waterproof, requiring minimal routine maintenance. However, regular checks of related components can extend its lifespan and ensure reliable starting.

- **Battery Condition:** Ensure your motorcycle battery is fully charged and in good condition. A weak battery can strain the starter motor.
- **Electrical Connections:** Periodically inspect the electrical connections to the starter motor for corrosion or looseness. Clean and tighten as necessary.
- **Mounting Security:** Check that the starter motor's mounting bolts remain securely tightened.
- **General Cleanliness:** Keep the area around the starter motor free from excessive dirt, oil, and debris.

The internal components, including the carbon brushes, are designed for long-term performance and typically do not require user-level maintenance.

6. TROUBLESHOOTING

If you experience issues with your motorcycle's starting system after installing the YOWSOM Starter Motor, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Starter motor does not engage or clicks	Weak or dead battery, loose battery terminals, faulty starter relay, poor electrical connections.	Check battery charge and terminals. Inspect starter relay and all electrical connections for corrosion or looseness.
Starter motor cranks slowly	Low battery charge, corroded battery terminals, high resistance in starter circuit.	Charge or replace battery. Clean battery terminals. Inspect wiring for damage.
Engine cranks but does not start	This issue is typically not related to the starter motor itself, but rather to fuel, ignition, or compression systems.	Consult your motorcycle's owner's manual for engine starting issues. Verify fuel supply, spark plugs, and engine compression.
Grinding noise during starting	Improper starter motor engagement with flywheel, damaged flywheel teeth.	Re-check starter motor installation. Inspect flywheel for damage. Professional inspection recommended.

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

7. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	YOWSOM
Model Number	YXSM789
Compatibility	Haojue HJ125-16, HJ150-6, HJ150-3/3A Motorcycles
Brush Type	Carbon
Durability Features	Waterproof, Durable construction
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	2.65 pounds
Number of Pieces	1 (Starter Motor)
ASIN	B0F3C2YWKS

8. CUSTOMER SUPPORT AND WARRANTY

For any questions, concerns, or issues regarding the YOWSOM Starter Motor, please contact the seller or manufacturer directly. They are committed to addressing customer inquiries promptly.

Information regarding product warranty, including terms and duration, should be obtained from the point of purchase or directly from the seller. Please retain your purchase receipt for warranty claims.

