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› [UPTBSFLS](#) /

› [UPTBSFLS Motorcycle Starter Motor Instruction Manual for Haojue DA125/150 HJ125-20/HJ150-8](#)

## UPTBSFLS VISYYAI

# UPTBSFLS Motorcycle Starter Motor Instruction Manual

For Haojue DA125/150 HJ125-20/HJ150-8 Models

## 1. INTRODUCTION

This instruction manual provides essential information for the installation, operation, and maintenance of your UPTBSFLS Motorcycle Starter Motor. This component is designed as a replacement or repair part for specific Haojue motorcycle models. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

**Compatibility:** This starter motor is compatible with Haojue DA125/150 and HJ125-20/HJ150-8 motorcycle models. It is crucial to verify your motorcycle's specific model and year against these specifications to ensure correct fitment. This product is not an original manufacturer part but is designed to meet or exceed the performance of the original component.

## 2. INSTALLATION

Installation of the UPTBSFLS Motorcycle Starter Motor is designed to be straightforward, replacing the original part without complicated steps. However, basic mechanical and electrical knowledge is recommended. If you are unsure about any step, it is advisable to seek assistance from a qualified motorcycle technician.

### 2.1 Safety Precautions

- Always disconnect the motorcycle's battery (negative terminal first) before beginning any electrical work to prevent short circuits or electrical shock.
- Ensure the motorcycle is stable and securely supported on a stand.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Allow the engine to cool completely before working on it.

### 2.2 Installation Steps

1. **Locate the Existing Starter Motor:** Identify the position of the old starter motor on your motorcycle. Refer to your motorcycle's service manual for exact location if needed.
2. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old starter motor. Note the position of each wire for correct re-connection.
3. **Remove Mounting Bolts:** Unscrew and remove the bolts securing the old starter motor to the engine

casing.

4. **Remove Old Starter Motor:** Gently pull the old starter motor out from its housing. Be mindful of any gaskets or O-rings.
5. **Inspect Area:** Clean the mounting area and inspect for any debris or damage.
6. **Install New Starter Motor:** Insert the UPTBSFLS starter motor into the housing. Ensure it seats correctly.
7. **Secure Mounting Bolts:** Reinstall and tighten the mounting bolts to the manufacturer's specified torque. Do not overtighten.
8. **Connect Wiring:** Reconnect the electrical wiring to the new starter motor, ensuring all connections are secure and correctly polarized.
9. **Reconnect Battery:** Reconnect the motorcycle's battery (positive terminal first, then negative).
10. **Test Functionality:** Attempt to start the motorcycle to confirm the new starter motor operates correctly. Listen for unusual noises.



*Figure 1: UPTBSFLS Motorcycle Starter Motor, side view. This image shows the UPTBSFLS Motorcycle Starter Motor from a side perspective, highlighting its cylindrical body and the splined shaft for engaging with the engine's flywheel. The electrical terminal is visible on the left side.*



*Figure 2: UPTBSFLS Motorcycle Starter Motor, angled view. An angled view of the UPTBSFLS Motorcycle Starter Motor, providing a clearer look at the splined shaft and the overall compact design. The mounting points and electrical connection are also visible.*

### 3. OPERATION

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The starter motor is an electrical device designed to crank the engine to initiate combustion. When the ignition key is turned to the "start" position or the start button is pressed, electrical current flows to the starter motor. The motor then engages with the engine's flywheel, rotating the crankshaft to start the engine.

#### **Normal Operation:**

- Upon activation, the starter motor should engage smoothly and crank the engine quickly.
- Once the engine starts, release the ignition key or start button immediately. Prolonged engagement of the starter motor after the engine has started can cause damage to both the starter and the flywheel.

### 4. MAINTENANCE

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The UPTBSFLS Motorcycle Starter Motor is designed for durability and is waterproof, requiring minimal routine maintenance. However, periodic checks can help ensure its long-term performance.

- **Electrical Connections:** Periodically inspect all electrical connections to the starter motor and battery terminals. Ensure they are clean, tight, and free from corrosion. Loose or corroded connections can impede current flow and affect starter performance.
- **Mounting Security:** Check the starter motor's mounting bolts for tightness. Vibrations from motorcycle operation can sometimes loosen fasteners.
- **Cleanliness:** Keep the exterior of the starter motor clean and free from excessive dirt, oil, or debris. While waterproof, maintaining cleanliness helps prevent heat buildup and potential issues.
- **Brush Type:** This starter motor utilizes carbon brushes. These are internal components and typically do not require user maintenance. If the motor exhibits signs of wear or failure, internal inspection by a professional may be necessary.

## 5. TROUBLESHOOTING

If your motorcycle experiences starting issues, the starter motor may be a contributing factor. Here are some common symptoms and troubleshooting steps:

Symptom	Possible Cause	Solution
<b>Starter clicks but engine does not crank.</b>	Low battery charge, loose or corroded battery terminals, faulty starter solenoid, or seized engine.	<ul style="list-style-type: none"> <li>• Check battery voltage and charge if low.</li> <li>• Clean and tighten battery terminals.</li> <li>• Inspect starter solenoid connections.</li> <li>• If engine is seized, professional diagnosis is required.</li> </ul>
<b>Starter cranks slowly or weakly.</b>	Weak battery, poor electrical connections, or internal starter motor wear.	<ul style="list-style-type: none"> <li>• Charge or replace battery.</li> <li>• Inspect and clean all electrical connections.</li> <li>• If issues persist, the starter motor may require replacement.</li> </ul>
<b>Starter spins but does not engage engine.</b>	Faulty bendix drive (starter clutch) or damaged flywheel teeth.	<ul style="list-style-type: none"> <li>• Inspect the starter motor's bendix gear and the engine's flywheel for damage.</li> <li>• Replacement of the starter motor or flywheel may be necessary.</li> </ul>
<b>No response when attempting to start.</b>	Dead battery, blown fuse, faulty ignition switch, or complete starter motor failure.	<ul style="list-style-type: none"> <li>• Check battery charge.</li> <li>• Inspect relevant fuses in the motorcycle's fuse box.</li> <li>• Test ignition switch continuity.</li> <li>• Verify power supply to the starter motor.</li> </ul>

If troubleshooting steps do not resolve the issue, professional diagnosis and repair are recommended.

## 6. SPECIFICATIONS

<b>Model Number</b>	VISYYAI
<b>Compatibility</b>	Haojue DA125/150, HJ125-20/HJ150-8
<b>Brush Type</b>	Carbon
<b>Item Weight</b>	2.65 pounds (approximately 1.2 kg)
<b>Package Dimensions</b>	0.39 x 0.39 x 0.39 inches (approximately 1 x 1 x 1 cm) <i>-Note: These dimensions appear to be placeholder values and may not reflect the actual product size.</i>
<b>Assembly Required</b>	No (as a complete unit)
<b>Number of Pieces</b>	1

## 7. WARRANTY AND SUPPORT

**Warranty Information:** Specific warranty details for this UPTBSFLS product are not provided in the available documentation. Please refer to your purchase receipt or contact the seller directly for information regarding warranty coverage.

**Customer Support:** If you have any questions regarding the installation, operation, or compatibility of this starter motor, please contact the seller or manufacturer. Provide your specific motorcycle model and year, along with a detailed description of your inquiry, to receive the most accurate assistance.

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*This manual is for informational purposes only. UPTBSFLS is not responsible for any damage or injury resulting from improper installation or use of this product.*