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› HrUkZN Linhai Xinyang 260/300 Starter Motor User Manual

HrUkZN HrUkZN126

HrUkZN Linhai Xinyang 260/300 Starter Motor User Manual

Model: HrUkZN126

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your HrUkZN Linhai Xinyang 260/300 Starter Motor. This starter motor is designed to provide reliable engine starting for various small off-road vehicles. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Compatibility: This starter motor is compatible with Linhai Xinyang 260, Linhai Xinyang 300, Buyang UTV300, Buyang H300, ATV 260, LH260, 300 Quad, and Go Kart models.

2. SAFETY INFORMATION

Always prioritize safety when working with vehicle electrical systems and mechanical components. Failure to follow these safety guidelines may result in injury or damage to the product or vehicle.

- Always disconnect the vehicle's battery (negative terminal first) before performing any installation or maintenance to prevent electrical shock or short circuits.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is on a stable, level surface and properly secured to prevent accidental movement.
- Keep hands, hair, and loose clothing away from moving parts.
- If you are unsure about any step, consult a qualified mechanic or professional.
- Do not attempt to modify the starter motor.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- 1 x HrUkZN Linhai Xinyang 260/300 Starter Motor (Model: HrUkZN126)

4. SETUP AND INSTALLATION

Follow these steps carefully for proper installation of the starter motor. Refer to your vehicle's specific service manual for detailed instructions on accessing and removing the original starter motor.

1. **Gather Tools:** Collect necessary tools, which typically include wrenches, sockets, a battery terminal cleaner, and possibly a torque wrench.
2. **Disconnect Battery:** Locate the vehicle's battery and disconnect the negative (-) terminal first, followed by the positive (+) terminal. This prevents accidental electrical shorts.
3. **Locate and Access Old Starter:** Identify the location of the existing starter motor on your vehicle. This may require removing other components for access.
4. **Remove Old Starter:**
 - Disconnect the main battery cable and the solenoid wire from the old starter motor. Note their positions for reinstallation.
 - Unbolt the starter motor from its mounting points on the engine or transmission housing. Carefully remove the old starter.
5. **Install New Starter Motor:**



Image: The HrUkZN Linhai Xinyang 260/300 Starter Motor, viewed from an angle, highlighting its two mounting points for secure attachment to the engine or transmission housing.

- Position the new HrUkZN starter motor into the mounting location.
- Insert and hand-tighten the mounting bolts. Ensure the starter is seated correctly.
- Tighten the mounting bolts to the torque specifications provided in your vehicle's service manual. Do not overtighten.

6. Connect Wiring:



Image: A side view of the HrUkZN Linhai Xinyang 260/300 Starter Motor, clearly showing the main electrical terminal where the battery cable connects, secured by a nut.

- Connect the main battery cable to the large terminal on the starter motor. Ensure the connection is clean and secure.
- Connect the solenoid wire (smaller wire) to its designated terminal on the starter solenoid.

7. **Reconnect Battery:** Reconnect the positive (+) battery terminal first, then the negative (-) terminal. Ensure all connections are tight.

8. **Test Operation:** Attempt to start the vehicle. Listen for proper starter engagement and engine cranking. If the engine does not start or the starter does not operate correctly, refer to the Troubleshooting section.

5. OPERATING INSTRUCTIONS

The HrUkZN Linhai Xinyang 260/300 Starter Motor functions as an integral part of your vehicle's starting system. Its operation is automatic upon activation of the ignition switch.



Image: A view of the HrUkZN Linhai Xinyang 260/300 Starter Motor, prominently displaying the Bendix gear (splined shaft) which engages with the engine's flywheel during startup.

- When the ignition key is turned to the 'START' position, electrical current flows to the starter motor.
- The starter motor's Bendix gear extends and engages with the engine's flywheel.
- The starter motor then rotates the flywheel, cranking the engine until it starts.
- Once the engine starts, the Bendix gear automatically retracts, disengaging from the flywheel.

Avoid prolonged cranking (more than 10-15 seconds) to prevent overheating the starter motor. Allow a brief cool-down period between starting attempts.

6. MAINTENANCE

Regular inspection and basic maintenance can extend the life of your starter motor and ensure reliable operation.

- **Electrical Connections:** Periodically inspect all electrical connections to the starter motor for corrosion,

looseness, or damage. Clean terminals with a wire brush if corrosion is present and ensure connections are tight.

- **Mounting Security:** Check that the starter motor's mounting bolts are secure. Vibrations from vehicle operation can sometimes loosen fasteners.
- **Cleanliness:** Keep the starter motor free from excessive dirt, mud, and debris, which can impede its function or cause premature wear.
- **Battery Condition:** Ensure your vehicle's battery is in good condition and fully charged, as a weak battery can strain the starter motor.



Image: A detailed close-up view of the Bendix gear (splined shaft) of the HrUkZN Linhai Xinyang 260/300 Starter Motor, showing the teeth that engage with the engine's flywheel.

7. TROUBLESHOOTING

If you experience issues with your starter motor, consult the following common problems and solutions before

seeking professional assistance.

Problem	Possible Cause	Solution
Starter does not engage or click	Dead or weak battery Loose or corroded battery terminals Faulty ignition switch Faulty starter solenoid	Charge or replace battery Clean and tighten battery terminals Test ignition switch (consult vehicle manual) Test or replace solenoid
Starter spins but engine does not crank	Faulty Bendix gear (not extending) Damaged flywheel teeth	Replace starter motor Inspect and replace flywheel if necessary
Starter cranks slowly	Weak battery Corroded battery cables Excessive resistance in starter circuit	Charge or replace battery Clean or replace battery cables Inspect wiring for damage or corrosion
Grinding noise during starting	Misaligned starter Damaged Bendix gear or flywheel teeth	Re-check starter mounting Inspect Bendix gear and flywheel for damage

8. SPECIFICATIONS

Technical details for the HrUkZN Linhai Xinyang 260/300 Starter Motor.

- **Brand:** HrUkZN
- **Model:** HrUkZN126
- **Manufacturer Part Number:** HrUkZN126
- **Item Weight:** 1.76 ounces (*Note: This weight may be for packaging or a component, not the full starter motor.*)
- **Package Dimensions:** 0.39 x 0.39 x 0.39 inches (*Note: These dimensions appear to be placeholder values and do not represent the actual product size.*)
- **Compatibility:** Linhai Xinyang 260, Linhai Xinyang 300, Buyang UTV300, H300, ATV 260, LH260, 300 Quad, Go Kart

9. WARRANTY INFORMATION

Warranty information for this product was not provided at the time of manual creation. Please refer to your purchase documentation or contact the seller directly for details regarding warranty coverage.

10. CUSTOMER SUPPORT

For technical assistance, installation questions, or other inquiries, please contact the seller or manufacturer through the platform where the product was purchased. Ensure you have your model number (HrUkZN126) and purchase details available when contacting support.

