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› HoBao 86107 Wheel Hub Set (+10mm) Instruction Manual for Hyper Series RC Vehicles

## Hobao 86107

# HoBao 86107 Wheel Hub Set (+10mm) Instruction Manual

Model: 86107 | Brand: HoBao

## INTRODUCTION

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This manual provides essential information for the proper installation, use, and maintenance of your HoBao 86107 Wheel Hub Set. Please read these instructions carefully before proceeding with installation to ensure optimal performance and longevity of your RC vehicle components. This wheel hub set is designed to extend the wheel track by 10mm per side.

## PRODUCT OVERVIEW

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The HoBao 86107 Wheel Hub Set is an upgrade component designed for various HoBao Hyper series RC vehicles. It provides a +10mm wider stance, which can enhance stability and handling characteristics. This set includes the necessary components for replacing standard wheel hubs.

### Included Components:

- 2x +10mm Wheel Hubs (Black, Hexagonal)
- 4x Wheel Hub Pins
- 2x Set Screws (for securing pins)



**Figure 1:** Components of the HoBao 86107 Wheel Hub Set. The image displays two black hexagonal wheel hubs, four small black pins, and two tiny black set screws, all essential for installation.

## Compatibility:

This wheel hub set is compatible with the following HoBao Hyper series models:

- Hyper 7TQ
- Hyper GTS
- Hyper GTB
- Hyper SS
- Hyper SST
- Hyper VS
- Hyper ST

## SETUP AND INSTALLATION

Follow these steps to correctly install the HoBao 86107 Wheel Hub Set on your compatible RC vehicle. Ensure your vehicle is powered off and stable before beginning.

1. **Prepare the Vehicle:** Place your RC vehicle on a stable surface. Remove the wheels from the axles.

2. **Remove Existing Hubs:** Carefully remove the existing wheel hubs and pins from the axle shafts. Note the orientation of any shims or washers if present.
3. **Insert New Pin:** Slide one of the provided wheel hub pins through the hole in the axle shaft. Ensure it is seated correctly.
4. **Install New Hub:** Align one of the new +10mm wheel hubs with the axle shaft, ensuring the pin slides into the slot within the hub. Push the hub fully onto the axle.
5. **Secure Hub:** Insert one of the small set screws into the designated hole on the side of the new wheel hub. Use an appropriate hex wrench to gently tighten the set screw until it secures the pin within the hub. Do not overtighten.
6. **Repeat for Remaining Wheels:** Repeat steps 3-5 for the remaining wheel hubs.
7. **Reattach Wheels:** Mount your wheels onto the newly installed hubs and secure them with the wheel nuts. Ensure all wheel nuts are tightened appropriately.
8. **Final Check:** Gently rotate each wheel to ensure free movement and proper seating. Check for any wobbling or excessive play.

**Note:** *If you are unsure about any step, consult your vehicle's original instruction manual or seek assistance from an experienced RC enthusiast.*

## OPERATING CONSIDERATIONS

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Once installed, the HoBao 86107 Wheel Hub Set functions as a passive component, extending the wheel track. No specific operational steps are required beyond ensuring proper installation. However, it is recommended to perform a test run in a controlled environment after installation to observe the vehicle's handling characteristics with the wider stance.

- **Initial Test:** Drive the vehicle slowly at first, observing steering response and stability.
- **Handling Changes:** Be aware that the wider track may alter the vehicle's cornering behavior and overall stability. Adjust your driving style as needed.

## MAINTENANCE

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Regular maintenance of your wheel hubs will help ensure optimal performance and prevent premature wear.

- **Inspection:** Periodically inspect the wheel hubs for signs of wear, cracks, or damage, especially after heavy use or impacts.
- **Cleanliness:** Keep the hubs free from dirt, dust, and debris. A soft brush or compressed air can be used for cleaning.
- **Security:** Regularly check that the set screws are tight and the hubs are securely seated on the axle shafts. Loose hubs can lead to poor handling or damage.
- **Pin Wear:** Inspect the wheel hub pins for bending or excessive wear. Replace them if necessary.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Wheel wobbles or has excessive play	Loose wheel nut, loose set screw, bent axle, worn hub/pin.	Check wheel nut tightness. Ensure set screw is securing the pin. Inspect axle and hub for damage; replace if necessary.
Hub does not fit correctly	Incorrect model compatibility, pin not seated properly.	Verify vehicle model compatibility. Ensure the pin is fully inserted into the axle and aligned with the hub slot.
Vehicle handling feels unstable after installation	Improper installation, or vehicle setup requires adjustment for wider track.	Re-check all installation steps. Consider adjusting suspension settings (e.g., camber, toe) to compensate for the wider track.

## SPECIFICATIONS

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- **Model Number:** 86107
- **Brand:** HoBao
- **Product Dimensions:** 2.76 x 1.57 x 5.51 inches (packaging dimensions)
- **Item Weight:** 14.1 ounces (packaging weight)
- **Extension:** +10mm per side (compared to standard hubs)
- **Manufacturer Recommended Age:** 14 years and up

## WARRANTY AND SUPPORT

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For warranty information or technical support regarding your HoBao 86107 Wheel Hub Set, please contact your authorized HoBao dealer or the manufacturer directly. Keep your proof of purchase for any warranty claims.

Manufacturer: HoBao