

## Hobbypower SAK-D4821

# CNC Metal Front Steering Hub Set Instruction Manual

Model: SAK-D4821

Brand: Hobbypower

## 1. INTRODUCTION

Thank you for choosing the Hobbypower CNC Metal Front Steering Hub Set. This manual provides essential information for the proper installation, operation, and maintenance of your new steering hubs. Designed for precision and durability, these hubs are an excellent upgrade for your 3Racing Sakura D4 RC vehicle.

## 2. PRODUCT OVERVIEW

This aluminum Front Steering Hub set comes with pre-installed bearings, ready for use with your 3Racing Sakura D4 sport car. Crafted from high-quality aluminum, these hubs offer enhanced strength and improved steering response compared to standard plastic components.

### Key Features:

- Durable CNC machined aluminum construction.
- Includes high-quality bearings for smooth operation.
- Designed for improved steering precision and longevity.



Image 2.1: Front view of the Hobbypower CNC Metal Front Steering Hub Set.

### 3. SPECIFICATIONS

Attribute	Value
Model	#SAK-D4821
Material	Aluminum
Color	Pink
Quantity	1 pair (2 pieces)
Package Dimensions	3.23 x 2.01 x 0.63 inches
Item Weight	0.493 ounces
Manufacturer Recommended Age	15 years and up

### 4. COMPATIBILITY

This steering hub set is specifically designed for and compatible with the following RC car models:

- 3RACING Sakura D4 AWD
- 3RACING Sakura D4 RWD

Ensure your RC vehicle is one of the compatible models before attempting installation.

## 5. SETUP AND INSTALLATION

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Installation of the CNC Metal Front Steering Hub Set requires basic RC assembly skills and tools. Always refer to your 3Racing Sakura D4 vehicle's original instruction manual for specific disassembly and reassembly procedures related to the front suspension and steering components.

### General Installation Steps:

1. **Preparation:** Ensure your RC vehicle is powered off and the battery is disconnected. Gather necessary tools (e.g., small screwdrivers, hex wrenches, pliers).
2. **Disassembly:** Carefully remove the existing front steering hubs from your Sakura D4. Pay attention to the order and orientation of all screws, pins, and shims.
3. **Bearing Transfer:** The Hobbypower hubs come with bearings pre-installed. If you need to transfer any additional components (e.g., axle pins, hex adapters) from your old hubs, do so now.
4. **Installation:** Mount the new Hobbypower CNC Metal Front Steering Hubs onto the suspension arms and steering linkages. Ensure all connections are secure but do not overtighten screws, as this can strip threads or damage components.
5. **Check Movement:** After installation, manually check the steering movement to ensure it is smooth and free of binding. The wheels should turn freely without obstruction.
6. **Final Inspection:** Double-check all fasteners and connections before operating the vehicle.



Image 5.1: Angled view of the steering hubs, highlighting mounting points.



Image 5.2: Top view of the steering hubs.

## 6. OPERATING CONSIDERATIONS

Once installed, the CNC Metal Front Steering Hubs are designed to provide a more robust and precise steering experience. No special operating procedures are required beyond normal RC vehicle operation. However, always be mindful of your driving environment and avoid excessive impacts that could damage any RC components.

## 7. MAINTENANCE

Regular maintenance will extend the lifespan and performance of your CNC Metal Front Steering Hubs.

### Maintenance Tips:

- **Cleaning:** After each use, especially in dusty or dirty conditions, clean the hubs and surrounding areas with a soft brush or compressed air to remove debris.
- **Inspection:** Periodically inspect the hubs for any signs of wear, bending, or damage. Check that all screws remain tight.

- **Bearing Care:** The included bearings are sealed, but if exposed to excessive dirt or moisture, they may require cleaning and re-lubrication or replacement. Consult an RC hobby expert if unsure.
- **Lubrication:** No regular lubrication is needed for the aluminum hub itself, but ensure any moving parts connected to it (e.g., steering linkages, suspension pins) are properly lubricated according to your vehicle's manual.



Image 7.1: Underside view of the steering hubs.



Image 7.2: Alternative angled view of the steering hubs.

## 8. TROUBLESHOOTING

While the CNC Metal Front Steering Hubs are designed for reliability, here are some common issues and their potential solutions:

### Common Issues:

- **Loose Steering:**

*Possible Cause:* Loose screws on the hubs or steering linkages.

*Solution:* Inspect and tighten all screws. Ensure no play in the ball ends or pivot points.

- **Binding/Stiff Steering:**

*Possible Cause:* Overtightened screws, debris in bearings, or misaligned components.

*Solution:* Loosen screws slightly and re-tighten. Clean bearings. Check for any parts rubbing or misaligned.

- **Unusual Noise from Hub Area:**

*Possible Cause:* Damaged or worn bearings, or debris.

*Solution:* Inspect bearings for smooth rotation. Clean or replace if necessary.

- **Hubs Bending/Breaking:**

*Possible Cause:* Severe impact or manufacturing defect.

*Solution:* Replace damaged hubs. If damage occurs under normal use, contact Hobbypower support.

If you encounter issues not listed here or require further assistance, please refer to the Warranty and Support

section.

## 9. WARRANTY AND SUPPORT

Hobbypower stands behind the quality of its products. For any warranty claims, technical support, or inquiries regarding your CNC Metal Front Steering Hub Set, please contact Hobbypower directly through their official channels.

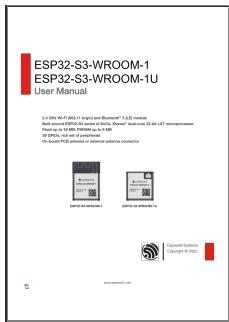
You can find more information and contact details by visiting the [Hobbypower Store on Amazon](#).

Please retain your proof of purchase for warranty purposes.

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### Related Documents - SAK-D4821

	<p><a href="#">Weidmüller SAK and EK Series Terminal Blocks EC-Type Examination Certificate KEMA 97ATEX1798 U</a></p> <p>Official EC-Type Examination Certificate and amendments for Weidmüller SAK and EK series terminal blocks, detailing specifications, electrical data, safety requirements, and compliance with ATEX directives and European standards.</p>
	<p><a href="#">Protokoll fra møte i Studieutvalget ved Det juridiske fakultet - 1. oktober 2019</a></p> <p>Protokoll fra møte i Studieutvalget ved Det juridiske fakultet, Universitetet i Bergen, avholdt 1. oktober 2019. Dokumentet dekker godkjenning av innkalling og dagsorden, orienteringsaker, oppsummering av opptak, endring av møtedato, oppfølging av kontrollkommisjonsrapporter, endringer i emnebeskrivelser for JUS135 og JUS276-2-C, publisering av retteveiledning, og etablering av utvalg for praksis i jusstudiet.</p>
	<p><a href="#">Weidmüller SAK 4 Modular Terminal Blocks: Installation Instructions and Safe Use Conditions</a></p> <p>Comprehensive installation instructions and safety conditions for Weidmüller SAK 4 series modular terminal blocks, compliant with ATEX, IECEx, and UKCA standards for use in hazardous environments.</p>
	<p><a href="#">Infineon AURIX TC27x Variants Data Sheet Addendum</a></p> <p>This addendum provides details on the AURIX TC27x microcontroller variants, including product specifications, naming conventions, and memory maps for TC277, TC275, and TC270 devices.</p>

	<p><a href="#"><u>ESP32-S3-WROOM-1 and ESP32-S3-WROOM-1U User Manual</u></a></p> <p>User manual detailing the features, specifications, pin definitions, and regulatory compliance for Espressif's ESP32-S3-WROOM-1 and ESP32-S3-WROOM-1U Wi-Fi and Bluetooth LE MCU modules.</p>
	<p><a href="#"><u>MACsec Configuration and Operation White Paper</u></a></p> <p>This white paper details the configuration and operation of MACsec (IEEE 802.1AE) on Arista Networks' data center switches, focusing on its role in providing strong, line-rate encryption for network traffic.</p>