HAIBOXING M16105

HAIBOXING Front Metal Drive Shaft Instruction Manual

Model: M16105

1. Introduction

This manual provides detailed instructions for the installation, maintenance, and general use of the HAIBOXING M16105 Front Metal Drive Shaft. This component is designed as a high-quality replacement part for compatible RC vehicles, ensuring improved durability and performance. Please read this manual thoroughly before installation to ensure proper fitment and operation.

2. Product Contents

The package includes the following components:

- 2 x Front Metal Drive Shafts
- 2 x Drive Pins
- 2 x Wheel Nuts (Hex Nuts)

Figure 2.1: HAIBOXING M16105 Front Metal Drive Shafts and accessories.

Figure 2.2: Individual components of the drive shaft kit.

3. Compatibility

This front metal drive shaft is specifically designed for the following RC vehicle model:

- HBX 1/16 16889 RC Car

Ensure your RC car model matches the listed compatibility to guarantee proper fit and function.

4. Installation Guide

Follow these steps to replace the front drive shaft on your HBX 1/16 16889 RC car:

1. **Preparation:** Ensure your RC car is powered off and the battery is disconnected. Place the car on a stable, clean surface.
2. **Remove Wheel:** Carefully remove the wheel from the axle where the drive shaft needs to be replaced. This usually involves unscrewing a wheel nut.
3. **Access Drive Shaft:** Depending on your RC car's design, you may need to remove other components (e.g., suspension arms, hub carriers) to gain full access to the existing drive shaft. Refer to your RC car's original manual for specific disassembly steps.
4. **Remove Old Drive Shaft:** Locate the pins that secure the drive shaft to the differential cup and the wheel axle. Carefully push or pull these pins out. Once the pins are removed, the old drive shaft can be detached.

5. **Install New Drive Shaft:** Insert one end of the new HAIBOXING metal drive shaft into the differential cup, aligning it with the pinhole. Insert a new drive pin through the hole to secure it.
6. **Connect to Wheel Axle:** Align the other end of the drive shaft with the wheel axle (or hub carrier), ensuring the pinhole is aligned. Insert the second new drive pin to secure the shaft to the axle.
7. **Reassemble Components:** Reattach any components that were removed to access the drive shaft (e.g., suspension arms, hub carriers).
8. **Reattach Wheel:** Place the wheel back onto the axle and secure it with the new wheel nut provided. Tighten the nut firmly but do not overtighten.
9. **Repeat for Other Side:** If replacing both front drive shafts, repeat the process for the other side of the vehicle.
10. **Test:** Once both drive shafts are installed, reconnect the battery and perform a slow test run to ensure all components are functioning correctly and there are no unusual noises or movements.

Figure 4.1: Tools and components for installation.

5. Maintenance Tips

To ensure the longevity and optimal performance of your metal drive shafts, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the drive shafts for any signs of wear, bending, or damage, especially after heavy use or impacts.
- **Cleaning:** After running your RC car in dusty or dirty conditions, clean the drive shafts to remove debris that could cause friction or wear. Use a soft brush or compressed air.
- **Lubrication:** Apply a small amount of appropriate lubricant (e.g., silicone grease or light machine oil) to the universal joints and moving parts of the drive shaft to reduce friction and prevent corrosion.
- **Check Fasteners:** Ensure all pins and nuts securing the drive shafts are tight. Loose fasteners can lead to premature wear or component loss.

6. Troubleshooting

If you encounter issues after installing the drive shafts, consider these common problems and solutions:

- **Unusual Noise or Vibration:**
  - **Cause:** Drive pins not fully seated, drive shaft not properly aligned, or debris caught in the joint.
  - **Solution:** Re-check pin seating, ensure proper alignment during installation, and clean the drive shaft area.
- **Loss of Drive to a Wheel:**
  - **Cause:** Drive pin has fallen out, drive shaft has become disconnected, or the wheel nut is loose.
  - **Solution:** Inspect and re-secure the drive pins and wheel nut. Reinstall the drive shaft if it has come loose.
- **Drive Shaft Bending/Breaking:**
  - **Cause:** Severe impact, excessive stress, or manufacturing defect.
  - **Solution:** Replace the damaged drive shaft. While this product is made of durable metal, extreme forces can still cause damage.

7. Specifications

Attribute	Value
Brand	HAIBOXING
Model Number	M16105
Material	Metal
Item Weight	26 g
Package Dimensions	8.6 x 2.8 x 0.7 cm
Compatibility	HBX 1/16 16889 RC Car

8. Safety Information

Always exercise caution when working with RC car parts. Keep small components away from children. Ensure all parts are securely fastened before operating your RC vehicle to prevent injury or damage.

Related Documents - M16105

	[Four Wheel Drive Electric Power Race Truck Instruction Manual] Instruction manual for the Four Wheel Drive Electric Power Race Truck, model 903. Includes setup, operation, maintenance, and troubleshooting.
	[Shantou Haiboxing Remote Control Car Test Report - RF Exposure Compliance] This report details the RF exposure compliance testing for the Shantou Haiboxing remote control car, model LS-T3A-TBX and its variants, conducted according to FCC regulations.
	[Request for Confidentiality - Shantou Haiboxing Technology & Education Model Co., Ltd.] Request for confidentiality for FCC ID 2A2XW-LS113, submitted by Shantou Haiboxing Technology & Education Model Co., Ltd. This document outlines the reasons for withholding specific attachments from public disclosure, citing proprietary information and competitive advantage.