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> wheelfun JDM 219 1/14 10X10 Hydraulic Dumper Truck Instruction Manual

wheelfun TH25198-AMZUS2-S

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Model: TH25198-AMZUS2-S

INTRODUCTION

This manual provides essential instructions for the setup, operation, maintenance, and troubleshooting of your wheelfun JDM 219 1/14 10X10 Hydraulic Dumper Truck. Please read this manual thoroughly before operating the model to ensure safe and correct usage and to maximize its performance and longevity.

SAFETY INFORMATION

- This product is recommended for users aged 21 years and up.
- Always operate the model in a safe environment, away from people, pets, and obstacles.
- Ensure all components are securely fastened before operation.
- Use only recommended batteries and chargers. Incorrect usage can lead to fire or injury.
- Keep hands and loose clothing away from moving parts.
- Do not modify the model. Unauthorized modifications can void the warranty and compromise safety.
- Store the model and its components in a dry, cool place, away from direct sunlight.

PACKAGE CONTENTS

Included in Package:

- 1/14 RC Hydraulic Dump Truck Model (Painted and Assembled)
- Motor (540 35T Brushed Motor, 2212 Brushless Motor 930KV for pump)
- Servo (25KG Steering, 6KG Shifting, 6KG*2 Differential Lock)
- ESC (Hobbywing 1060 Brushed ESC for driving, 20A Brushless ESC for pump)
- Hydraulic System

- Light System
- Sound System
- FS-i6s Remote Controller and Receiver

Items Not Included (Required for Operation):

- Vehicle Battery (Recommended: 11.1V 3S Li-Po)
- Charger for Vehicle Battery
- Hydraulic Oil

SETUP

1. Battery Installation

1. Ensure the model is powered off and the remote controller is off.
2. Locate the vehicle battery compartment. The recommended battery size is 130x45x30MM for the vehicle and 110x50x50MM for the equipment rack.
3. Carefully insert the 11.1V 3S Li-Po battery (not included) into the compartment.
4. Connect the battery to the XT60 connector.
5. Secure the battery compartment cover.
6. Install the required batteries for the FS-i6s Remote Controller (refer to the remote controller's specific manual for battery type and installation).

2. Hydraulic Oil Filling

1. Locate the hydraulic oil reservoir on the model.
2. Carefully fill the reservoir with appropriate hydraulic oil (not included). Do not overfill.
3. Ensure the cap is securely tightened after filling.

3. Initial Inspection

- Verify all wheels are securely attached.
- Check for any loose wires or connections.
- Ensure the dumper bed moves freely without obstruction.

OPERATING INSTRUCTIONS

1. Power On Sequence

1. Turn on the remote controller first.
2. Then, turn on the power switch on the dumper truck.
3. Wait for the remote controller and truck to establish a connection (indicated by LED lights or sound signals).

2. Basic Controls (FS-i6s Remote Controller)

Refer to the FS-i6s remote controller manual for detailed stick and switch assignments. General functions include:

- **Throttle Stick:** Controls forward and reverse movement.
- **Steering Stick:** Controls left and right turning.
- **Dumper Bed Control:** Dedicated switch/lever for raising and lowering the hydraulic dumper bed.

- **Gear Shifting:** Switch to engage 3-speed metal gearbox.
- **Differential Locks:** Switches to engage/disengage differential locks for 10x10 or 10x6 drive modes.
- **Lights and Sound:** Switches for activating realistic lights and engine sounds.

3. Driving the Dumper Truck

- Start with slow movements to familiarize yourself with the controls.
- The 10x10 all-wheel drive system provides excellent traction. Use the differential locks for challenging terrain or heavy loads.
- Utilize the 3-speed gearbox for varying speeds and torque requirements.

4. Operating the Hydraulic Dumper Bed

- Position the truck correctly before raising or lowering the dumper bed.
- Use the dedicated control to smoothly raise the dumper bed for unloading.
- Lower the dumper bed slowly to prevent damage.
- The truck can carry up to 15KG of load. Do not exceed this capacity.

5. Power Off Sequence

1. Turn off the power switch on the dumper truck first.
2. Then, turn off the remote controller.
3. Disconnect the vehicle battery for storage.

MAINTENANCE

1. Cleaning

- After each use, especially in dusty or dirty conditions, clean the truck with a soft brush or cloth.
- Avoid using water directly on electronic components.
- Remove any debris from the axles, gears, and hydraulic cylinders.

2. Lubrication

- Regularly check and lubricate moving parts such as universal joints, axles, and hydraulic cylinder pivots with appropriate RC-grade lubricant.
- Ensure the hydraulic system has sufficient oil. Top up if necessary with the recommended hydraulic oil.

3. Battery Care

- Always charge Li-Po batteries with a compatible Li-Po charger.
- Do not overcharge or over-discharge Li-Po batteries.
- Store Li-Po batteries at a storage voltage (typically 3.8V per cell) if not used for extended periods.
- Inspect batteries for any signs of damage or swelling before each use.

4. General Inspection

- Periodically check all screws and fasteners for tightness.
- Inspect tires for wear and tear.
- Check wiring for any fraying or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Truck does not respond to remote.	<ol style="list-style-type: none">1. Low battery in truck or remote.2. Remote not paired with truck.3. Power switches off.	<ol style="list-style-type: none">1. Charge/replace batteries.2. Re-pair remote and truck (refer to remote manual).3. Ensure both power switches are ON.
Hydraulic dumper bed not lifting.	<ol style="list-style-type: none">1. Low hydraulic oil level.2. Obstruction in mechanism.3. Hydraulic pump issue.	<ol style="list-style-type: none">1. Check and refill hydraulic oil.2. Inspect for debris and clear.3. Contact support if pump is faulty.
Truck moves slowly or lacks power.	<ol style="list-style-type: none">1. Low vehicle battery.2. Overload.3. Gearbox in wrong speed setting.	<ol style="list-style-type: none">1. Recharge vehicle battery.2. Reduce load.3. Adjust gearbox speed.

SPECIFICATIONS

Feature	Detail
Item Condition	New, Painted and Assembled
Material	Metal, Plastic
Scale	1/14
Color	Yellow, White
Dumper Size	86.3 x 24.7 x 31.2 CM (34 x 9.7 x 12.3 inches)
Net Weight	Approximately 14.7 KG (32.4 lbs)
Driving ESC	Hobbywing 1060 Brushed ESC
Driving Motor	540 35T Brushed Motor
Steering Servo	25KG
Shifting Servo	6KG
Differential Lock Servo	6KG x 2
Pump ESC	20A Brushless ESC
Pump Motor	2212 Brushless Motor 930KV
Transmission	Full Metal, 3 Speed
Axle	Full Metal 10X10 Axles with Differential Locks
Vehicle Battery (Not Included)	Recommended: 3S 11.1V XT60 Li-Po

Feature	Detail
Vehicle Battery Compartment Size	130 x 45 x 30 MM
Equipment Rack Battery Compartment Size	110 x 50 x 50 MM
Vehicle Load Capacity	15 KG
Model ID	JDM-219-PNP-YW
Manufacturer Recommended Age	21 years and up

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the manufacturer's official website or contact your retailer. Keep your purchase receipt as proof of purchase.

Manufacturer: **wheelfun**

Model Number: **TH25198-AMZUS2-S**

PRODUCT VISUALS



Figure 1: The wheelfun JDM 219 1/14 10X10 Hydraulic Dumper Truck with its remote control. The dumper bed is shown in a raised position, highlighting the hydraulic lift mechanism. The truck features a white cab and a yellow dumper bed.



Figure 2: A detailed front-side view of the JDM 219 Hydraulic Dumper Truck. This image showcases the intricate design of the cab, including headlights, grille, and side mirrors, along with the robust multi-axle chassis and large tires.

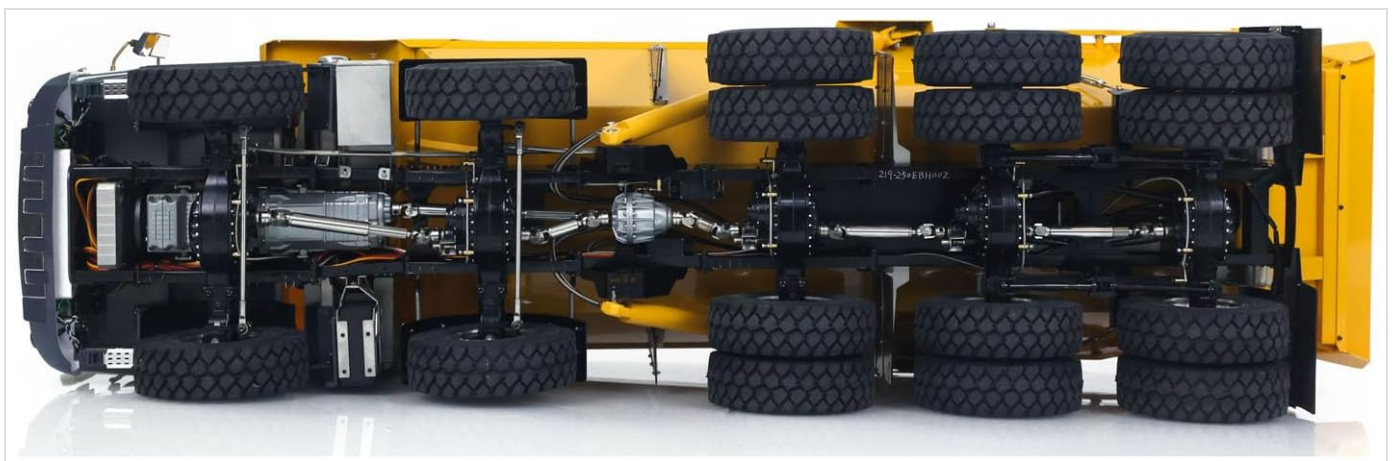


Figure 3: An underside view of the JDM 219 Hydraulic Dumper Truck chassis. This perspective highlights the full metal 10x10 axles, drive shafts, and suspension components, demonstrating the heavy-duty construction.



Figure 4: A close-up view of the hydraulic lift mechanism for the dumper bed. The yellow hydraulic cylinders are clearly visible, illustrating the system responsible for raising and lowering the truck's bed for material discharge.



Figure 5: A detailed view of the rear axles and drivetrain components of the JDM 219 Dumper Truck. This image shows the robust metal construction of the axles and the differential lock mechanisms, crucial for its 10x10 all-wheel drive capability.