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TOUCAN RC HOBBY LESU Hydraulic RC Dump Truck

TOUCAN RC HOBBY 1/14 8x8 LESU Hydraulic RC Dump Truck Instruction Manual

Model: LESU Hydraulic RC Dump Truck (LS-20130011-RTR-PAINTING-OG)

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your TOUCAN RC HOBBY 1/14 8x8 LESU Hydraulic RC Dump Truck. Please read this manual thoroughly before operating the model to ensure proper function and longevity. This model is a highly detailed, ready-to-run (RTR) replica featuring an 8x8 drive system and hydraulic dump bed functionality.



Image 1.1: The TOUCAN RC HOBBY 1/14 8x8 LESU Hydraulic RC Dump Truck, shown with its remote controller, battery, and charger.

2. SAFETY INFORMATION

- **Age Recommendation:** This product is recommended for individuals 18 years and up due to its complexity and operational characteristics.
- **Operating Environment:** Operate the RC dump truck in open, clear areas, away from people, pets, and obstacles. Avoid public roads and areas with high traffic.
- **Water and Moisture:** Keep the model away from water and moisture to prevent damage to electronic components.
- **Battery Safety:** Use only the provided battery and charger. Follow all battery charging and handling

instructions to prevent fire or injury. Do not overcharge or short-circuit batteries.

- **Hydraulic System:** The hydraulic system operates under pressure. Exercise caution when inspecting or maintaining hydraulic components. Ensure no leaks are present.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from moving parts such as wheels, axles, and the dump bed mechanism during operation.
- **Adult Supervision:** Adult supervision is recommended, especially for younger operators, to ensure safe handling.

3. PACKAGE CONTENTS

The following items are included in your TOUCAN RC HOBBY 1/14 8x8 LESU Hydraulic RC Dump Truck package:

- 1/14 Scale RC Dump Truck Model (Painted and Assembled)
- Motor (Pre-installed)
- Servo (Pre-installed)
- Electronic Speed Controller (ESC) (Pre-installed)
- Sound System (Pre-installed)
- Light System (Pre-installed)
- Flysky FS I6S Remote Controller and Receiver
- Battery
- Charger

Note: Hydraulic oil is **not included** and must be purchased separately.



Image 3.1: All components included in the package, ready for initial setup.

4. SETUP

4.1. Charging the Battery

1. Connect the provided battery to the charger.
2. Plug the charger into a suitable power outlet.
3. Monitor the charging indicator on the charger. Disconnect the battery once fully charged to prevent overcharging.

4.2. Installing Batteries in the Remote Controller

- Open the battery compartment on the back of the Flysky FS I6S remote controller.
- Insert the required batteries (typically AA, refer to controller manual for specifics) ensuring correct polarity.
- Close the battery compartment securely.

4.3. Filling Hydraulic Oil

The hydraulic system requires oil for operation.

1. Locate the hydraulic oil reservoir on the truck.

2. Carefully remove the cap.
3. Fill the reservoir with appropriate hydraulic oil (not included) up to the recommended level. Avoid overfilling.
4. Replace the cap securely.
5. Bleed the system if necessary, following specific instructions for the hydraulic pump (refer to LESU documentation if provided).

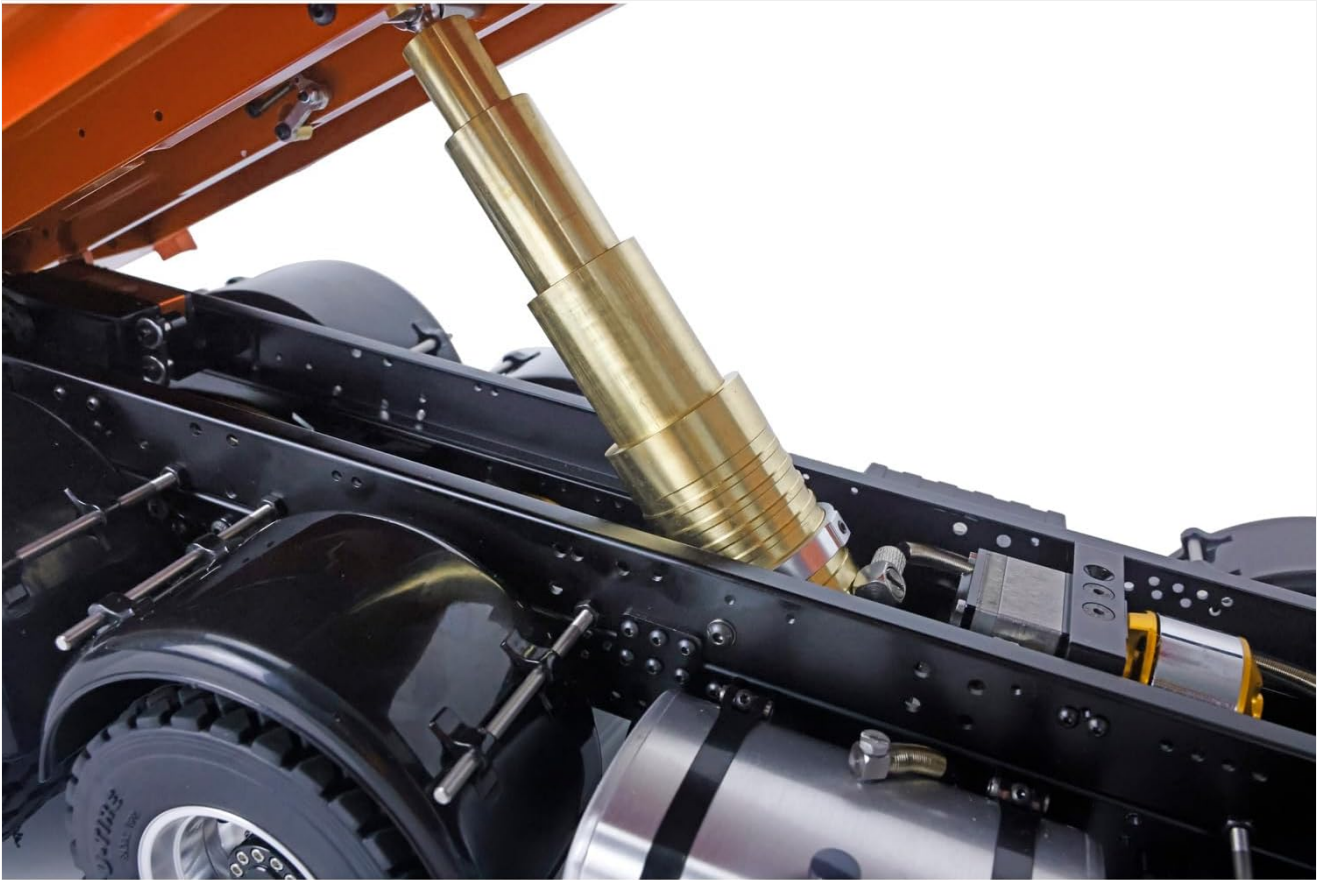


Image 4.1: Detail of the hydraulic cylinder responsible for lifting the dump bed. Ensure hydraulic oil is filled before operation.

4.4. Initial Power-Up and Pairing

1. Ensure the truck's power switch is OFF.
2. Turn ON the remote controller.
3. Connect the charged battery to the truck and secure it in its compartment.
4. Turn ON the truck's power switch.
5. The remote controller and truck should automatically pair. Refer to the Flysky FS I6S manual for specific pairing procedures if issues arise.

5. OPERATING INSTRUCTIONS

5.1. Basic Driving Controls

- **Throttle Stick:** Controls forward and reverse movement. Push forward for acceleration, pull back for reverse.
- **Steering Wheel/Stick:** Controls left and right steering.

5.2. Two-Speed Transmission

The truck is equipped with a two-speed gearbox. Use the designated switch on your remote controller (refer to Flysky FS I6S manual for specific channel assignment) to shift between high and low speeds.

- **Low Speed:** Ideal for precise maneuvers, heavy loads, and challenging terrain.
- **High Speed:** Suitable for faster travel on flat or less demanding surfaces.

5.3. Differential Lock

The axles feature a differential lock function for enhanced traction. Activate the differential lock via the remote controller when navigating slippery or uneven surfaces to ensure all wheels receive power. Deactivate on smooth surfaces to allow for easier turning.



Image 5.1: The all-metal chassis and detailed wheel assembly, designed for durability and traction.

5.4. Hydraulic Dump Bed Operation

Use the designated control on your remote (typically a switch or lever) to operate the hydraulic dump bed.

- **Lift:** Activate the control to raise the dump bed.
- **Lower:** Activate the control to lower the dump bed.

Ensure the truck is on stable ground before operating the dump bed, especially with a load. The maximum lifting power of the bucket is approximately 20KG.



Image 5.2: The dump bed in its fully raised position, powered by the hydraulic system.

5.5. Lighting System

The integrated lighting system can be controlled via the remote controller. This enhances realism and allows for operation in low-light conditions.

6. MAINTENANCE

6.1. Cleaning

- After each use, clean the truck to remove dirt, dust, and debris. Use a soft brush or cloth.
- Avoid using water or harsh chemicals directly on electronic components.

6.2. Hydraulic System Check

- Regularly check the hydraulic oil level and refill as needed.
- Inspect hydraulic lines and connections for any signs of leaks or damage. Address any issues promptly.

6.3. General Inspection

- Periodically inspect all screws, nuts, and bolts for tightness. Tighten any loose fasteners.
- Check tires for wear and damage.
- Ensure all moving parts, such as axles and steering linkages, operate smoothly. Lubricate as necessary with appropriate RC-safe lubricants.



Image 6.1: Undercarriage view, showing the robust construction and areas for inspection.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Truck does not respond to remote.	Low battery in truck or remote; not paired; power switch off.	Charge/replace batteries; re-pair remote and truck; ensure power switches are ON.
Dump bed not lifting/lowering.	Insufficient hydraulic oil; hydraulic pump issue; control signal issue.	Check hydraulic oil level and refill; inspect hydraulic pump and lines; verify remote control settings.
Loss of traction.	Differential lock not engaged; unsuitable terrain; worn tires.	Engage differential lock; move to more suitable terrain; consider replacing worn tires.
Unusual noises during operation.	Loose parts; debris in drivetrain; motor/gearbox issue.	Inspect for loose components and tighten; clean drivetrain; contact support if persistent.

8. SPECIFICATIONS

- **Manufacturer:** TOUCAN RC HOBBY / LESU
- **Model ID:** LS-20130011-RTR-PAINTING-OG

- **Scale:** 1/14
- **Material:** Stainless Steel, Aluminum Alloy, Plastic, Rubber
- **Product Dimensions:** 28.76 x 17.73 x 11.03 inches
- **Item Weight:** 39.6 pounds
- **Bucket Maximum Lifting Power:** Approximately 20KG
- **Transmission:** Two-speed gearbox
- **Drive System:** 8x8 with differential lock functionality
- **Lighting:** Integrated lighting system
- **Recommended Age:** 18 years and up



Image 8.1: Side view of the dump truck, showcasing its scale and design.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly. You can also visit the official TOUCAN RC HOBBY store for additional resources and contact details: [TOUCAN RC HOBBY Store](#).