



## RC4WD RC693T Hydraulic Track Loader User Guide

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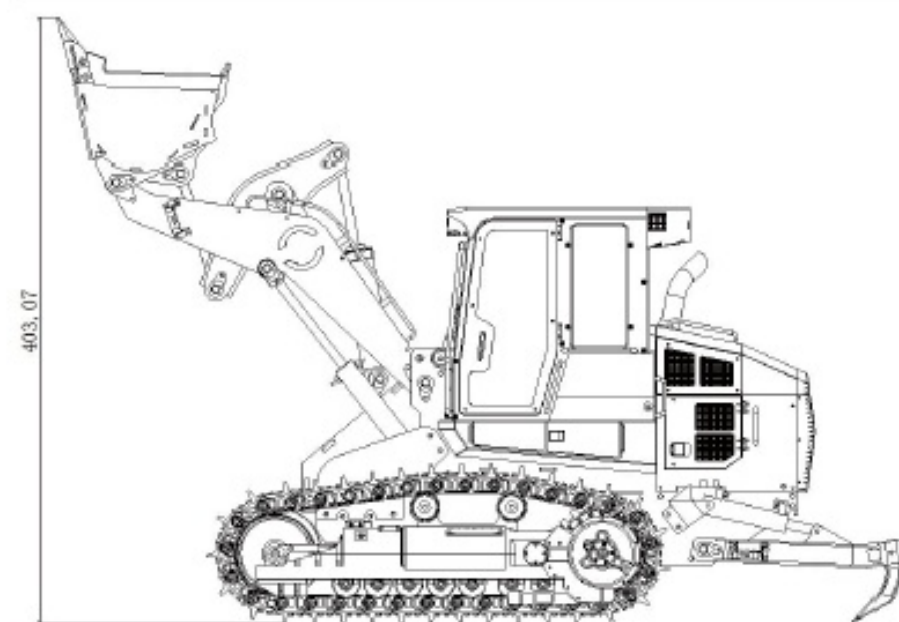
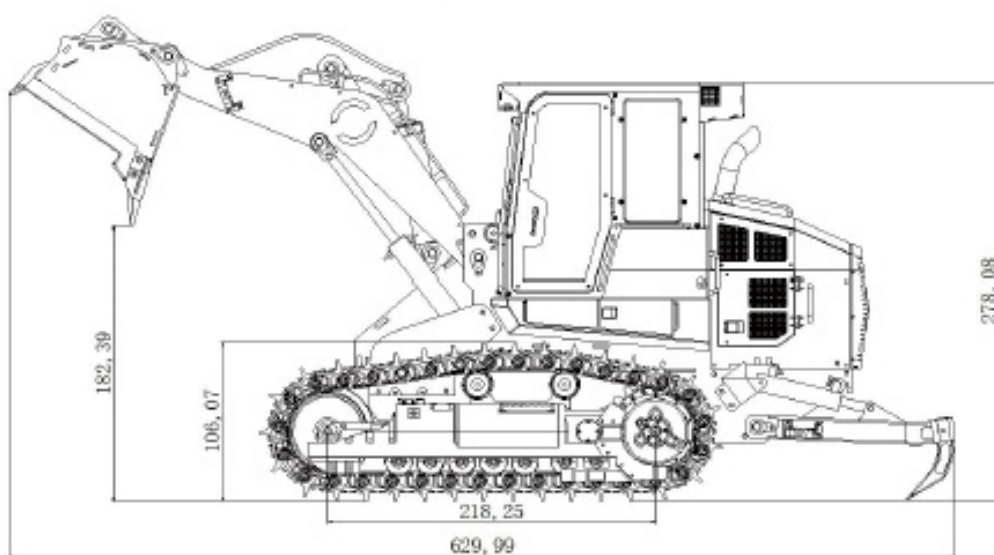
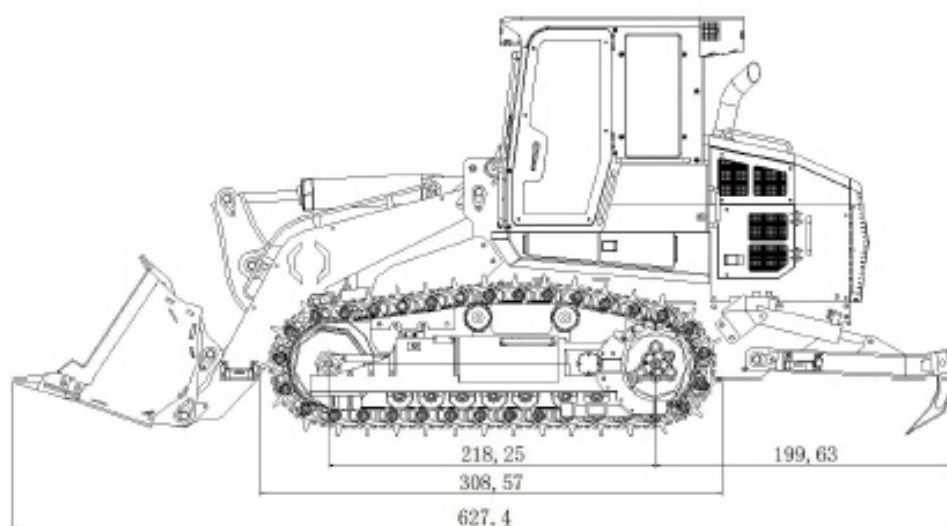
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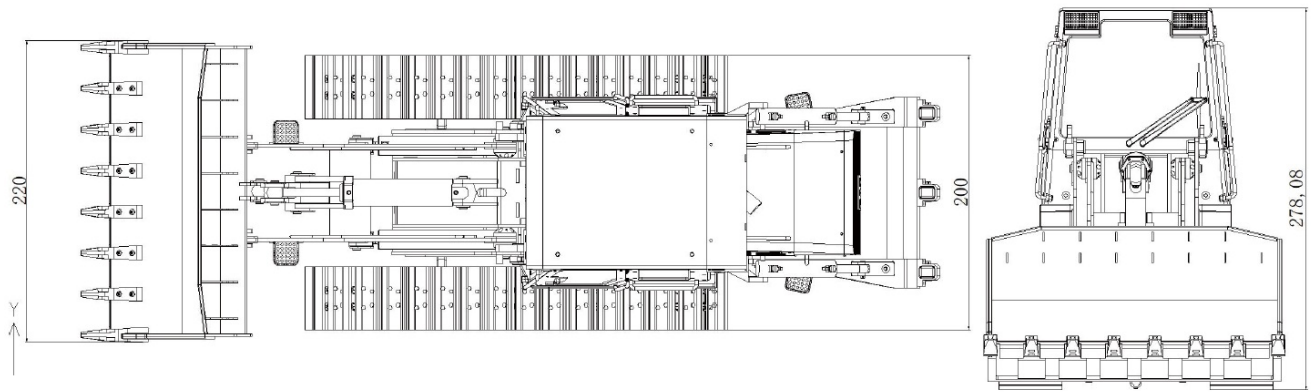


**RC4WD RC693T Hydraulic Track Loader**

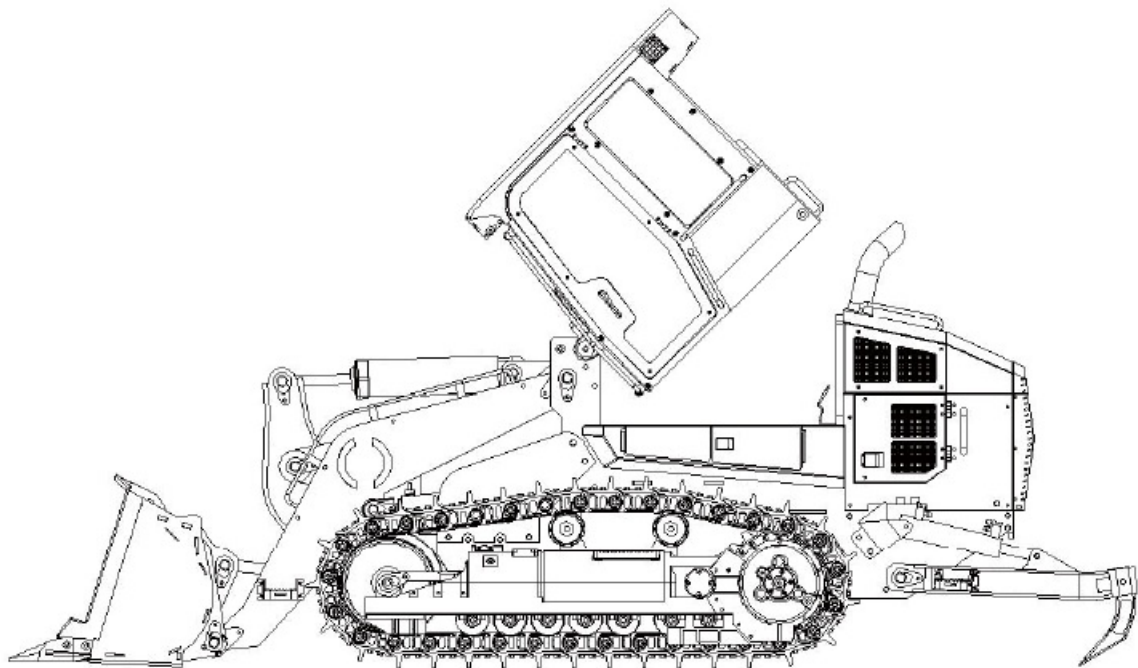


## **DIMENSIONS**

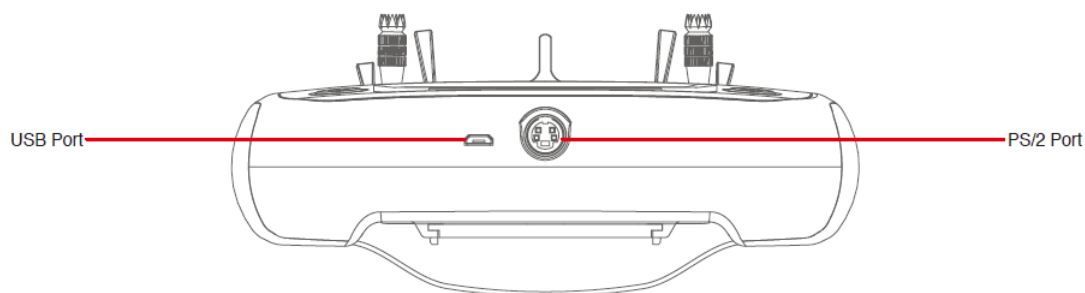
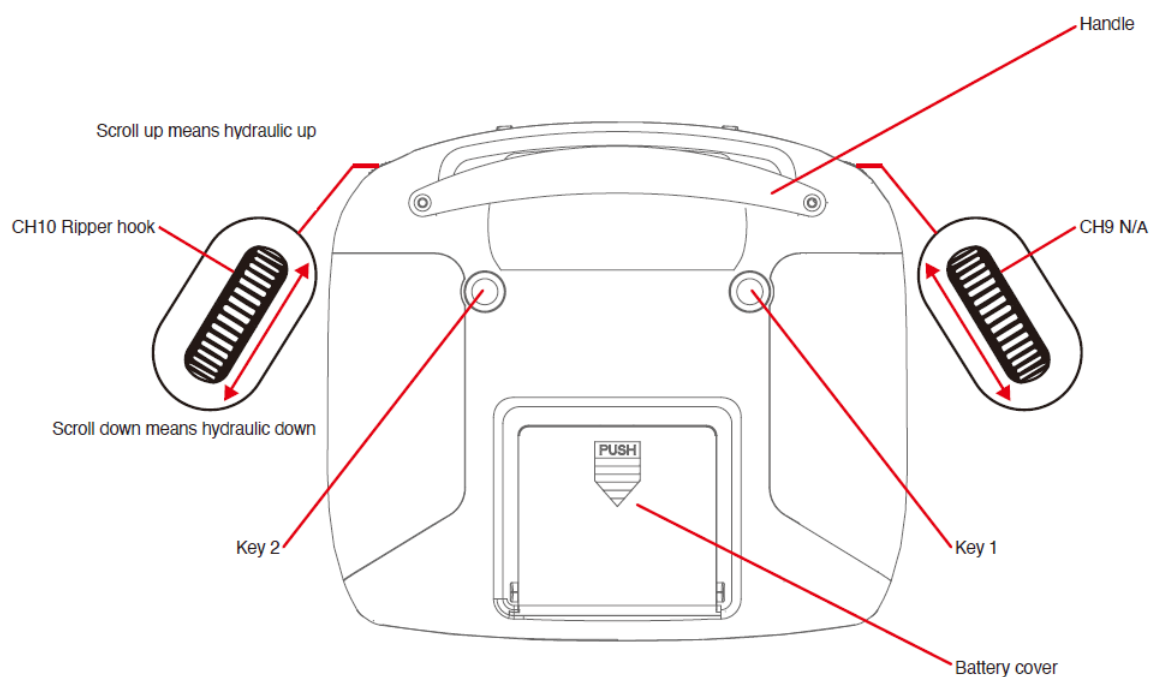
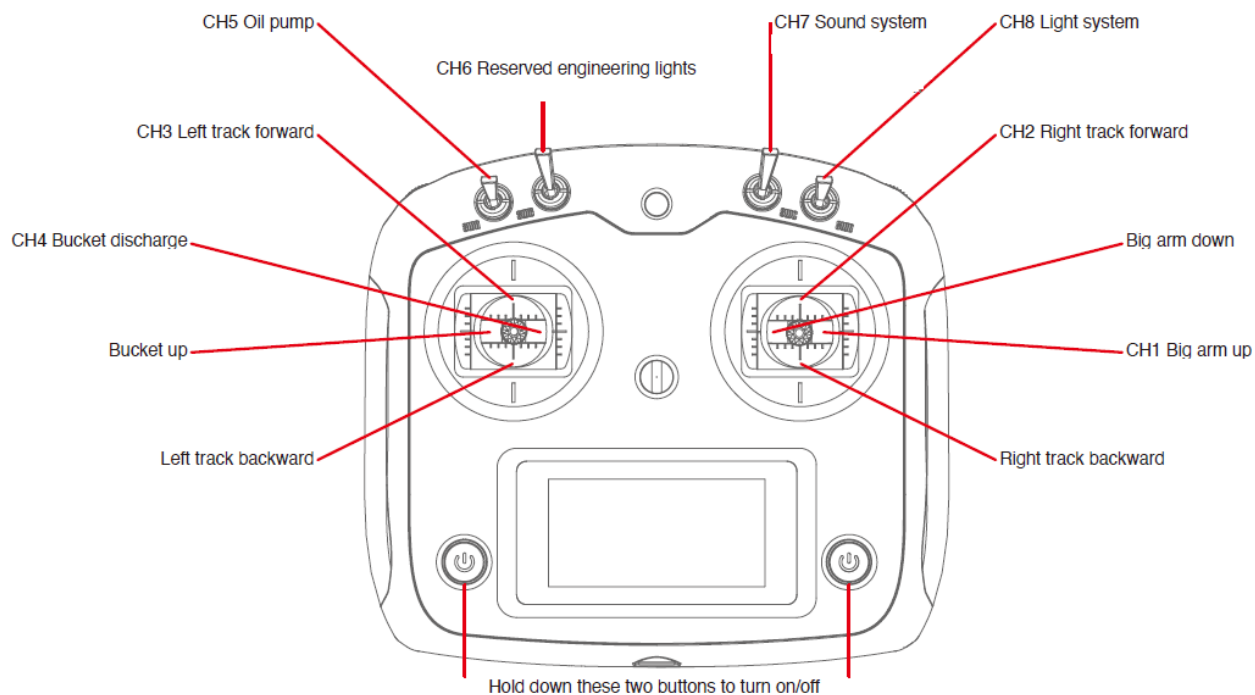




1. Scale: 1/14.
2. Dimensions: length 627mm (bucket flat), width 220mm (bucket end face), crawler width 200mm, height 278mm.
3. Weight: 15kg, packaged 18kg, package size 785x365x355mm.
4. Theoretical rising force: 13kg (big arm lift).



## REMOTE CONTROL LAYOUT



## STEP 1. BATTERY DETAILS

1. The remote control uses 4 AA batteries.
2. Using 2S, half speed at 6.5V and shut off at 6V / Using 3S, half speed at 9.75V and shut off at 9V.

3. The battery size must be no bigger than 140mm in length, 45mm in width, and 25mm in height (Battery must be purchased separately).



First measure the voltage, the voltage should not be lower than 11.1V as shown in the figure:

## STEP 2. BOOT SETUP

1. Make sure that the remote control CH5/8 switch position is up and the CH6/7 switch is in the neutral position, the joystick returns to the neutral position, and you can turn it on after confirmation.
2. Turn on the remote control switch (press the two switches for 2S at the same time), the interface display is turned on, if the switch is not in place, it will sound an alarm, adjust the position of the switch to stop the alarm.
3. Connect the battery to the main vehicle power supply, wait for the signal sound (within about 5S), and then operate after confirming.

### Notice:

- A. If the power-on sequence is reversed, it may cause the ESC to enter the setting mode, causing the ESC to not work normally.
- B. Remote control battery installation: pay attention to the positive and negative poles of the battery during installation.
- C. Before installing the main vehicle battery: measure the voltage first. The voltage cannot be lower than 11V.

## STEP 3. BATTERY INSTALLATION (THE BATTERY SHOWN IN THE FIGURE IS FOR REFERENCE ONLY)





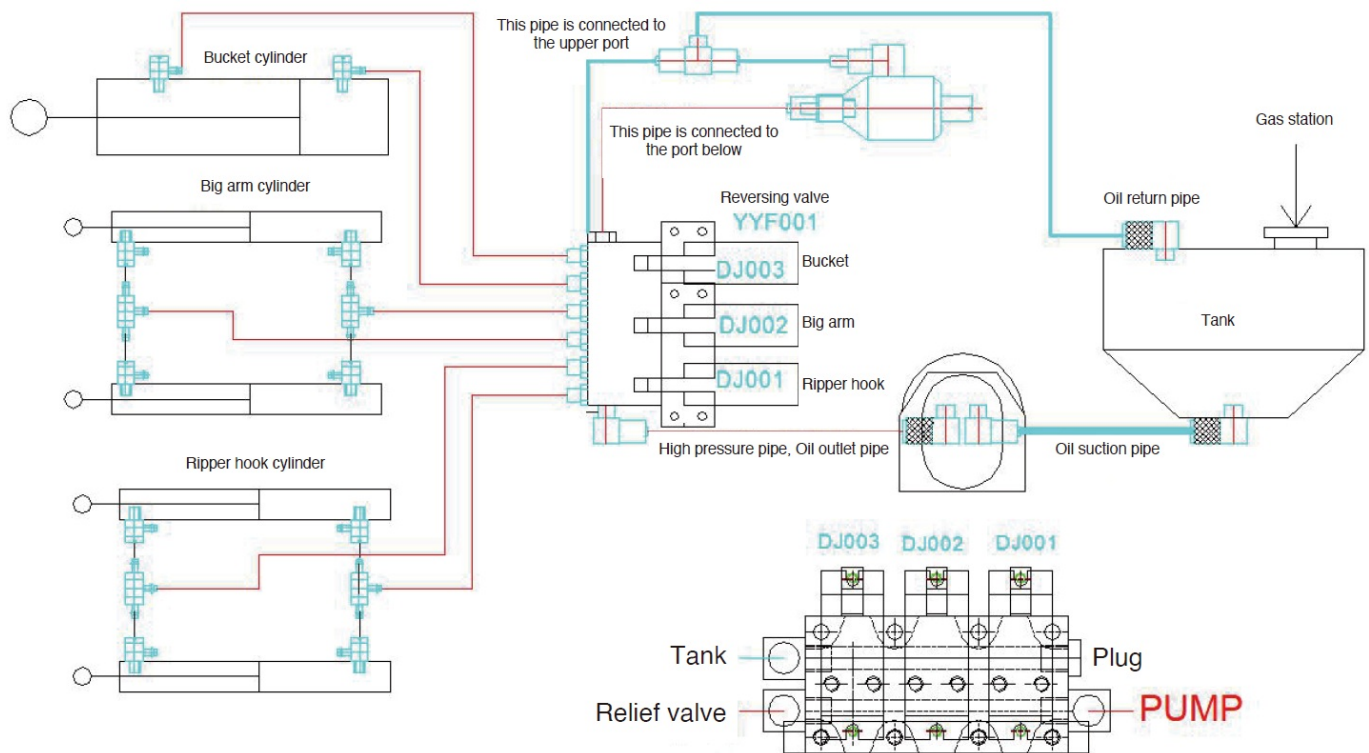
The ripper hook should be placed at the same level as the bottom of the track, so that the rear heat dissipation cover can be opened, and then connect/unplug the battery.

#### STEP 4. FUELING



1. Raise the cockpit.
2. Unscrew the fuel tank cap.
3. Add 80ML hydraulic oil, and screw the fuel tank cap.
4. Close the cockpit.

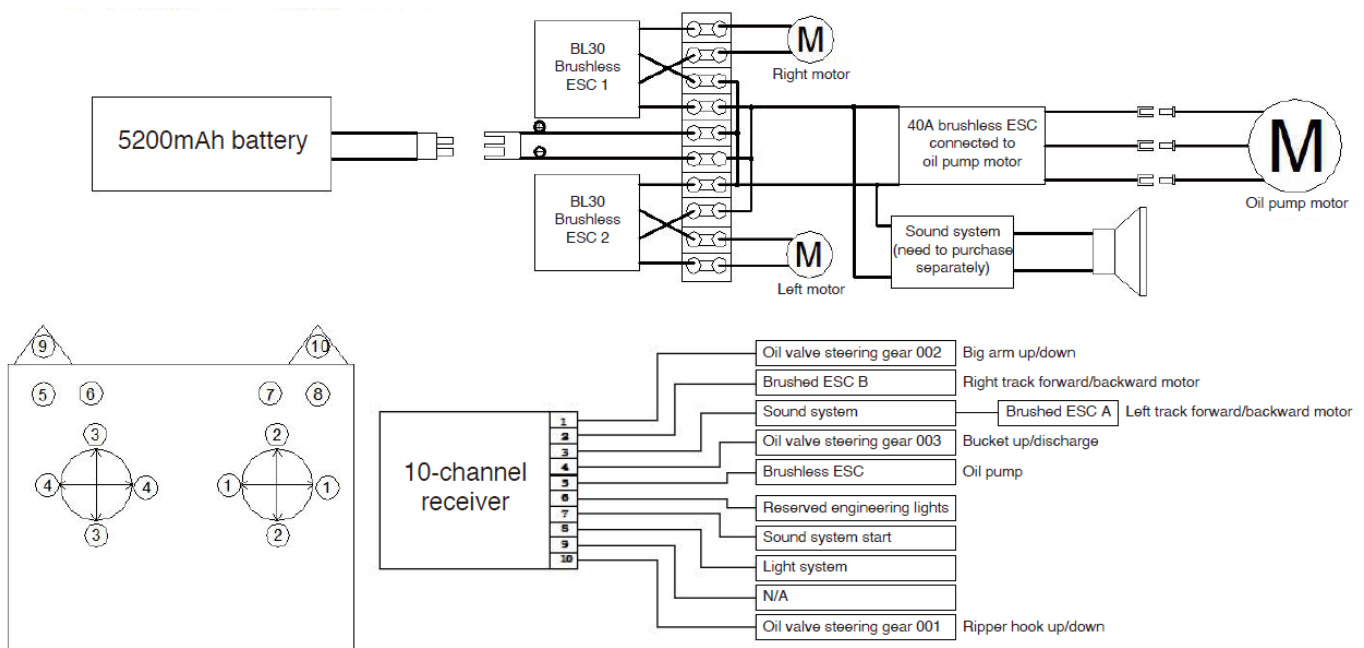
#### STEP 5. SCHEMATIC DIAGRAM OF THE HYDRAULIC SYSTEM OF THE CRAWLER LOADER



### Remark

- A. Hydraulic pump: flow rate 0.8L/MIN, rated pressure 3MPa, ultimate pressure 5MPa.
- B. Reversing valve: miniature 3-way cock type reversing valve with oil return in the middle.
- C. Precautions: when the boom is at the lowest bucket drop to the maximum angle, the boom cannot be lifted, otherwise the bucket cylinder will be damaged or even burst. due to the large mass of the whole vehicle, it is necessary to avoid collision when handling, otherwise the bucket cylinder will be damaged.

## STEP 6. SCHEMATIC DIAGRAM OF THE MAIN CIRCUIT OF THE CRAWLER LOADER



### Remark:



- A. Light system: standard configuration.
- B. Sound system: need to purchase separately.

## **SAFETY INFORMATION**

Failure to operate your model in a safe and responsible manner may result in property damage and serious injury. The precautions outlined in this manual should be strictly followed to help ensure safe operation. You alone must see that the instructions are followed and the precautions are adhered to.

### **Important Points to Remember**

- Your model is not intended for use on public roads or congested areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- Never, under any circumstances, operate the model in crowds of people. Your model could cause injury if allowed to collide with anyone.
- Because your model is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary loss of radio control, always allow a safety margin in all directions around the model in order to prevent collisions.
- The motor, battery, and speed control can become hot during use. Be careful to avoid getting burned.
- Don't operate your model at night, or anytime your line of sight to the model may be obstructed or impaired in any way.
- Most importantly, use good common sense at all times.

### **Speed Control**

Your model's electronic speed control (ESC) is an extremely powerful electronic device capable of delivering high current. Please closely follow these precautions to prevent damage to the speed control or other components.

- **Disconnect the Battery:** Always disconnect the battery from the speed control when not in use.
- **Insulate the Wires:** Always insulate exposed wiring with heat shrink tubing to prevent short circuits.
- **6-7 NiMH cells or 2-3 LiPo cells (2s/3s):** The ESC can accept a maximum input voltage of 8.4 volts (NiMH) or 11.1 volts (3s LiPo). Always adhere to the minimum and maximum limitations of the ESC as stated in the specifications table.
- **Transmitter on First:** Switch on your transmitter first before switching on the speed control to prevent runaways and erratic performance.
- **Don't Get Burned:** The ESC and motor can become extremely hot during use, so be careful not to touch them until they cool. Supply adequate airflow for cooling.
- **Use the Factory-Installed Connectors:** Do not change the battery and motor connectors. Improper wiring can cause fire or damage to the ESC.
- **No Reverse Voltage:** The ESC is not protected against reverse polarity voltage.

### **Recycling RC4WD 6-Cell 3000mAh NIMH Battery Pack**

RC4WD strongly encourages you to recycle RC4WD 6-Cell 3000mAh NIMH Battery Pack batteries when they reach the end of their useful life. Do not throw batteries in the trash. All RC4WD 6-Cell 3000mAh NIMH Battery Packs display the RBRC (Rechargeable Battery Recycling Corporation) icon, indicating they are recyclable. To

find a recycling center near you, ask your local hobby dealer or visit [www.call2recycle.org](http://www.call2recycle.org)

### **Your model is able to use LiPo batteries.**

Charging and discharging batteries has the potential for fire, explosion, serious injury, and property damage if not performed per the instructions. Before use, read and follow all manufacturer's instructions, warnings, and precautions. In addition, Lithium Polymer (LiPo) batteries pose a SEVERE risk of fire if not properly handled per the instructions and require special care and handling procedures for long life and safe operation. LiPo batteries are intended only for advanced users that are educated on the risks associated with LiPo battery use. RC4WD does not recommend that anyone under the age of 14 use or handle LiPo battery packs without the supervision of a knowledgeable and responsible adult. Dispose of used batteries according to the instructions.

### **Important Warnings for users of Lithium Polymer (LiPo) batteries:**


- LiPo batteries have a minimum safe discharge voltage threshold that should not be exceeded. The electronic speed control is equipped with built-in Low-Voltage Detection that stops the vehicle when LiPo batteries have reached their minimum voltage (discharge) threshold. It is the driver's responsibility to stop immediately to prevent the battery pack from being discharged below its safe minimum threshold.
- Low-Voltage Detection is just one part of a comprehensive plan for safe LiPo battery use. It is critical to follow all instructions for safe and proper charging, use, and storage of LiPo batteries. Make sure you understand how to use your LiPo batteries. If you have questions about LiPo battery usage, please consult with your local hobby dealer or contact the battery manufacturer. As a reminder, all batteries should be recycled at the end of their useful life.
- ONLY use a Lithium Polymer (LiPo) balance charger with a balance adapter port to charge LiPo batteries. Never use NiMH or NiCad type chargers or charge modes to charge LiPo batteries. DO NOT charge with a NiMH-only charger. The use of a NiMH or NiCad charger or charge mode will damage the batteries and may cause fire and personal injury.
- NEVER charge LiPo battery packs in series or parallel. Charging packs in series or parallel may result in improper charger cell recognition and an improper charging rate that may lead to overcharging, cell imbalance, cell damage, and fire.
- ALWAYS inspect your LiPo batteries carefully before charging. Look for any loose leads or connectors, damaged wire insulation, damaged cell packaging, impact damage, fluid leaks, swelling (a sign of internal damage), cell deformity, missing labels, or any other damage or irregularity. If any of these conditions are observed, do not charge or use the battery pack. Follow the disposal instructions included with your battery to properly and safely dispose of the battery.
- DO NOT store or charge LiPo batteries with or around other batteries or battery packs of any type, including other LiPos.
- Store and transport your battery pack(s) in a cool dry place. DO NOT store in direct sunlight. DO NOT allow the storage temperature to exceed 140°F or 60°C, such as in the trunk of a car, or the cells may be damaged and create a fire risk.
- DO NOT disassemble LiPo batteries or cells.
- DO NOT attempt to build your own LiPo battery pack from loose cells.

### **Charging and handling precautions for all battery types:**





- BEFORE you charge, ALWAYS confirm that the charger settings exactly match the type (chemistry), specification, and configuration of the battery to be charged.

- DO NOT attempt to charge non-rechargeable batteries (explosion hazard), batteries that have an internal charge circuit or a protection circuit, batteries that have been altered from original manufacturer configuration, or batteries that have missing or unreadable labels, preventing you from properly identifying the battery type and Specifications.
- DO NOT exceed the maximum manufacturer-recommended charge Rate.
- DO NOT let any exposed battery contacts or wires touch each other. This will cause the battery to short circuit and create the risk of fire.
- While charging or discharging, ALWAYS place the battery (all types of batteries) in a fire retardant/fireproof container and on a non-flammable surface such as concrete.
- DO NOT charge batteries inside of an automobile. DO NOT charge batteries while driving in an automobile.
- NEVER charge batteries on wood, cloth, carpet, or on any other flammable material.
- ALWAYS charge batteries in a well-ventilated area.
- REMOVE flammable items and combustible materials from the charging area.
- DO NOT leave the charger and battery unattended while charging, discharging, or anytime the charger is ON with a battery connected. If there are any signs of a malfunction or in the event of an emergency, unplug the charger from the power source and disconnect the battery from the charger.
- DO NOT operate the charger in a cluttered space, or place objects on top of the charger or battery.
- If any battery or battery cell is damaged in any way, DO NOT charge, discharge, or use the battery.
- Keep a Class D fire extinguisher nearby in case of fire.
- DO NOT disassemble, crush, short circuit, or expose the batteries to flame or another source of ignition. Toxic materials could be released. If eye or skin contact occurs, flush with water.
- If a battery gets hot to the touch during the charging process (temperature greater than 110°F / 43°C), immediately disconnect the battery from the charger and discontinue charging.
- Allow the battery pack to cool off between runs (before charging).
- ALWAYS unplug the charger and disconnect the battery when not in use.
- ALWAYS unplug the battery from the electronic speed control when the model is not in use and when it is being stored or transported.
- DO NOT disassemble the charger.
- REMOVE the battery from your model or device before charging.
- DO NOT expose the charger to water or moisture.
- ALWAYS store battery packs safely out of the reach of children or pets. Children should always have adult supervision when charging and handling batteries.
- Nickel-Metal Hydride (NiMH) batteries must be recycled or disposed of properly.
- Always proceed with caution and use good common sense at all times.

## Documents / Resources

 <p>QUICKSTART GUIDE 1/14 Earth Mover RC693T Hydraulic Track Loader (ETR) PVJ000059</p>	<p><a href="#">RC4WD RC693T Hydraulic Track Loader</a> [pdf] User Guide RC693T Hydraulic Track Loader, RC693T, Hydraulic Track Loader, Track Loader, Loader</p>
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## References

-  [RC4WD.COM](https://www.rc4wd.com)
-  [call2recycle.org](https://www.call2recycle.org)
-  [European Union Declarations of Conformity - RC4WDRC4WD](#)
-  [European Union Declarations of Conformity - RC4WDRC4WD](#)

Manuals+.