1:24 Scale 4WD
Ready-to-Run
Electric Car

RC24
ZOOM
1:24 SCALE STREET



TEAM ASSOCIATED

WORLD CHAMPIONSHIPS
35
TEAMS
62nd Anniversary
ASSOCIATED
Since 1964

:: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new vehicle. Please take a moment to read through the manual and familiarize yourself with the steps.
We are continually changing and improving our designs; therefore, actual parts may appear slightly different than the illustrations.
New parts will be noted on supplementary sheets located in the appropriate parts bags. Check each bag for these sheets before you start to build.

:: Important Statement

- This product is not a toy, but a precision equipment that integrates mechanical, electronic, mechanics, high-frequency emission and other professional knowledge into one. It requires correct assembly and debugging to avoid accidents. The product holder must operate in a safe manner.
- Improper operation may cause serious personal injury or property damage. We are not responsible for this because we do not control how they are assembled, used or operated.
- This product is suitable for model car operation experience, age not less than 14 years old people.
- The control site must be a local legal remote control vehicle control site.
- Pay attention!For any use of remote control vehicles, the manufacturer or distributor shall not be liable for any accidents resulting from abnormal wear and tear in the use of the parts, improper assembly or unsafe environmental operation. Please ensure that the product is operated in a safe environment. After the product is sold, the company will not be responsible for any property loss or personal injury caused by improper operation, disassembly or modification.

:: Safety Information

- This product is strictly prohibited for children under 8 years old to avoid accidents. Children over the age of 8 must use it in the presence of their guardian and must not leave their guardian's sight. Keep the product out of reach of children when charging and storing.
- This product contains small parts, with choking hazard, not suitable for children under 3 years old.
- Movable parts have a certain risk, it is forbidden to put fingers, hair, clothes and other items into the gap between the tire and the car body, so as not to be caught by the rotating parts.
- Please strictly follow the below operation scenarios:
  Do not operate in the area where cars are running or near children to avoid collision and other dangers.
  Do not drive towards people or animals to avoid accidents.
- Due to functional requirement, this product contains sharp parts, please follow the correct steps and methods to operate, especially pay attention to eye safety.
- This product shall not be disassembled in the case of non-necessary (such as upgrade modification), so as not to damage the important parts. Do not touch the motor or upgrade or modify the motor within 1 hour after the end of driving, so as to avoid being burned by the motor.
- Do not bend, throw or use the product in any other rough way to avoid accidents.
- Do not put this product into water or fire sources (such as furnace, gas stove, etc.) to avoid accidents.
- It is necessary to check whether the car is in good condition regularly. Before each use, check whether the screw, nut, circlip, wire, plug, shell and other parts are damaged. If it is found damaged, stop using it until it is repaired.
- When the vehicle uses wireless mode, high-voltage wires, light rail, microwave oven and other waves of the same frequency may interfere with the wireless connection, resulting in normal operation of the product, please change the location or another time to operate.
- To follow the operation rules, open remote control firstly and then open the receiver when you run this car, shut down the receiver and then close the remote control when you stop running.
- When the remote control car is operating normally, do not transfer the remote control equipment to others to prevent the wrong touch out of control.
- Any accident resulting in injury or damage to other people due to operation error is the responsibility of the operator, the company will not be responsible.

:: Precautions for using batteries

Batteries should be kept out of reach of children.
Do not allow minors to carry batteries without adult supervision.
If you need to clean, please wipe with a clean cloth.
Do not attempt to repair or disassemble the battery.
Never charge a non-rechargeable battery. Rechargeable batteries must be charged using the charger that comes with the car.
Do not overcharge the battery, never short circuit the battery.
Old and new batteries can not be mixed, pay attention to the battery polarity.
Never throw a battery into water or fire, it can cause serious injury.
Battery operating environment 0-40˚C.
When the battery is charged, someone needs to monitor it. When it is full, the charger should be disconnected.
When the product is not in use, the battery should be cut off.
End-of-life batteries need to be sent to a special place for recycling.
It contains lithium batteries and cannot be disassembled, hit, squeezed or put into fire.
If severe swelling occurs, do not continue to use.
Do not place in high temperature environment.
Due to the special nature of lithium battery, the charging and discharging performance and battery life will be affected if the ambient temperature is too high or too low.
Therefore, do not use or store this product in high temperature, low temperature, high humidity, direct sunlight and other environments.

:: Precautions for using batteries

1..... Cover

2..... Introduction

3..... Precautions for using batteries

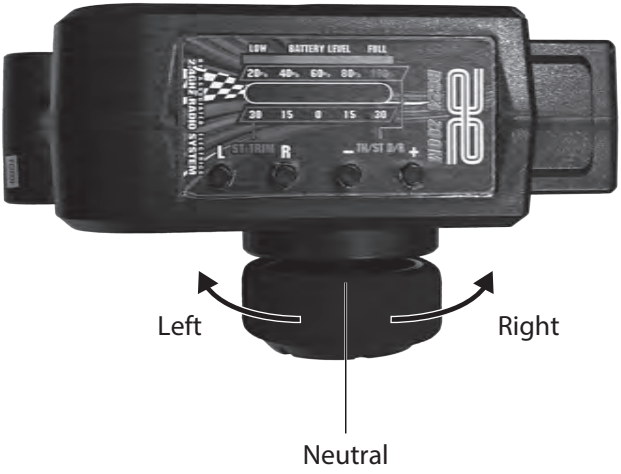
4 - 7..... Quick Start Guide

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12..... Back Cover

Transimtter

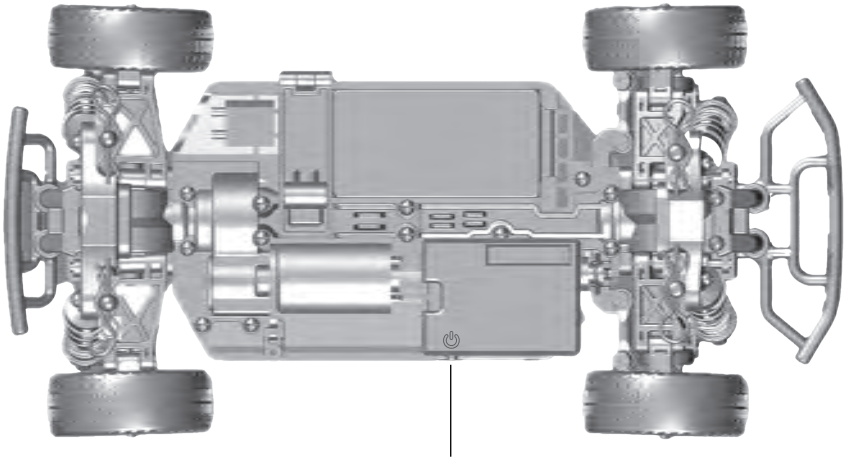


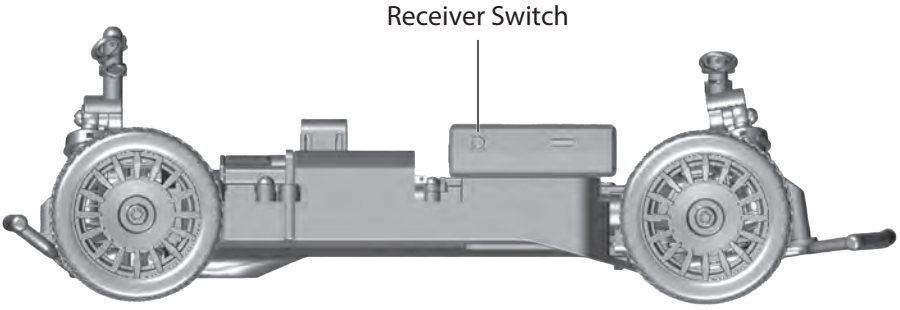


Power On and Shutdown

While powered off, press and hold the button for 1 second to turn on the receiver.

While powered on, press and hold the button for 2 seconds until the receiver's LED indicator turns off, then release the button to power down the receiver.





Radio System Tuning and Controls

RULE: Transmitter on First/Vehicle on Second, Vehicle off First/ Transmitter off Last!

A button-based binding method is used
Power on the receiver and release the button, then press and hold the button again for 5 seconds. The LED will begin to flash rapidly, indicating entry into binding mode. Turn on the transmitter power. Once the receiver's LED changes from rapid flashing to a solid light, it indicates successful bound.

Receiver LED Indicator Status
- Rapid Flashing: Indicates the receiver is in pairing mode.
- Solid Light: Indicates a normal connection between the transmitter and receiver, and the system is ready for operation.
- LED light flashes every 2 Seconds: Indicates the receiver has lost connection with the transmitter.
- Flashing once per second: Indicates the receiver battery voltage is low, and the system has entered a power-limiting protection state.

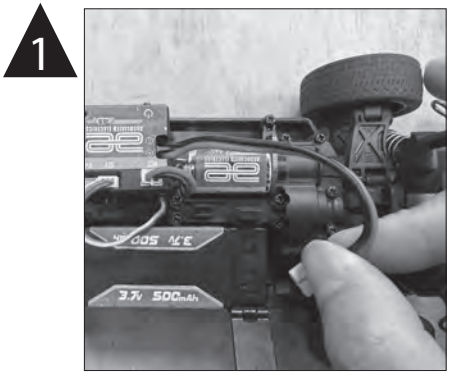
Failsafe Function
The receiver has a built-in failsafe function. When connection between the receiver and transmitter is lost, the ESC will stop output, and the steering channel output will maintain its last action.

LVC (Low Voltage Protection)
The receiver has a built-in low voltage protection function. When the detected battery voltage falls below 3.3V, it enters a low voltage protection state. In this state, the LED flashes once per second.

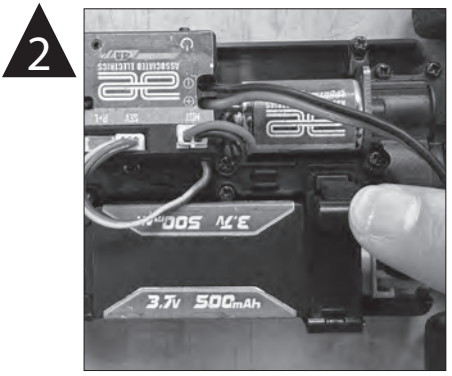
:: Quick Srart Guide - (cont.)

Battery Installation:

1. Install the battery with the battery wires directed towards the rear of the vehicle.



2. Connect the battery plug and secure the battery strap.



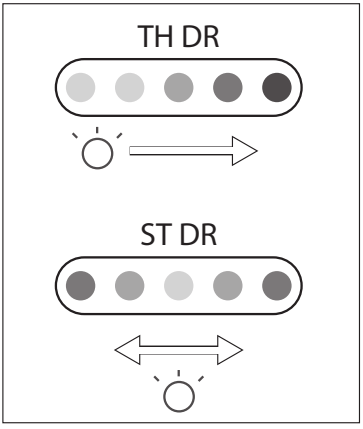
:: Quick Srart Guide - (cont.)

TH/ST DR Switching Setting

• Switch between TH DR and ST DR by simultaneously pressing the DR "+" and "-" keys for 300ms. When switching to TH DR, the LED will perform a marquee effect from left to right three times, then display the TH DR value.

• When switching to ST DR, the LED will perform a marquee effect from the center to both sides three times, then display the ST DR value.





ST DR has 10 levels, from 10% to 100%, in 10% increments.

For even-numbered levels, the corresponding number of LEDs remain steadily lit (e.g., level 8: the first 4 LEDs are lit). For odd-numbered levels, the preceding LEDs remain steadily lit, and the last LED in the sequence flashes (e.g., level 7: the first 3 LEDs are steadily lit, the 4th LED flashes).

TH DR has 5 levels, from 20% to 100%, in 20% increments

(Level 1: 20%, Level 2: 40%, Level 3: 60%, Level 4: 80%, Level 5: 100%). The number of LEDs corresponding to the level number remains steadily lit. The set DR mode is saved. The default is TH DR For example: if you switch from TH DR to ST DR and then power off, the next time you power on and press the DR "+" and "-" keys, you will be adjusting the ST DR setting.

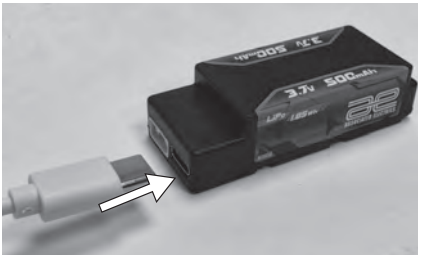
Charging Instructions

1.Plug the Type-C charging lead into a DC 5V 1A USB power outlet. Do not use a PD fast charger or a USB power source above 5V.

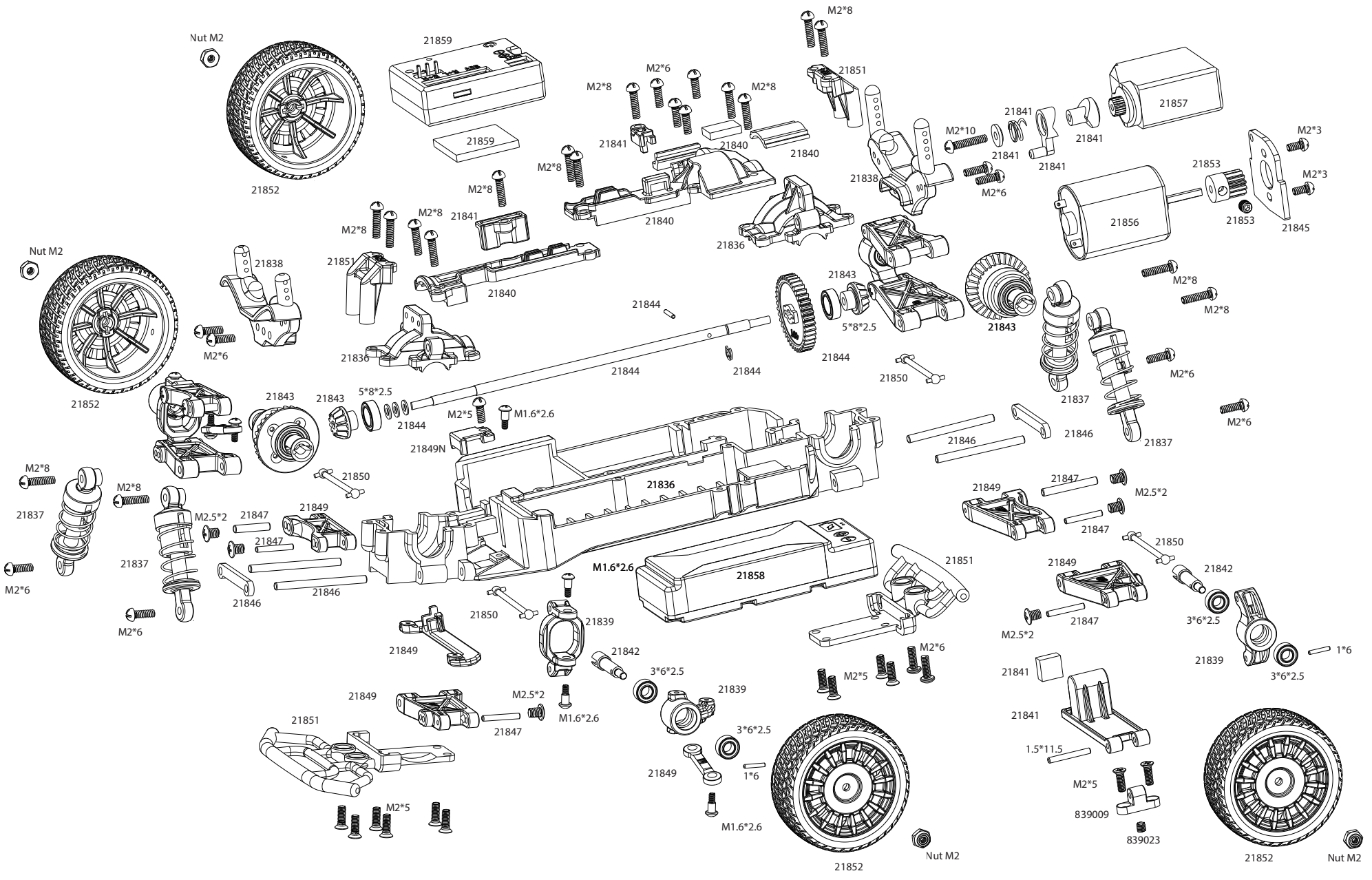
2.Plug the Type-C charging lead into the 1S LiPo battery as shown in the diagram.

3.The red LED will illuminate while the battery is charging.

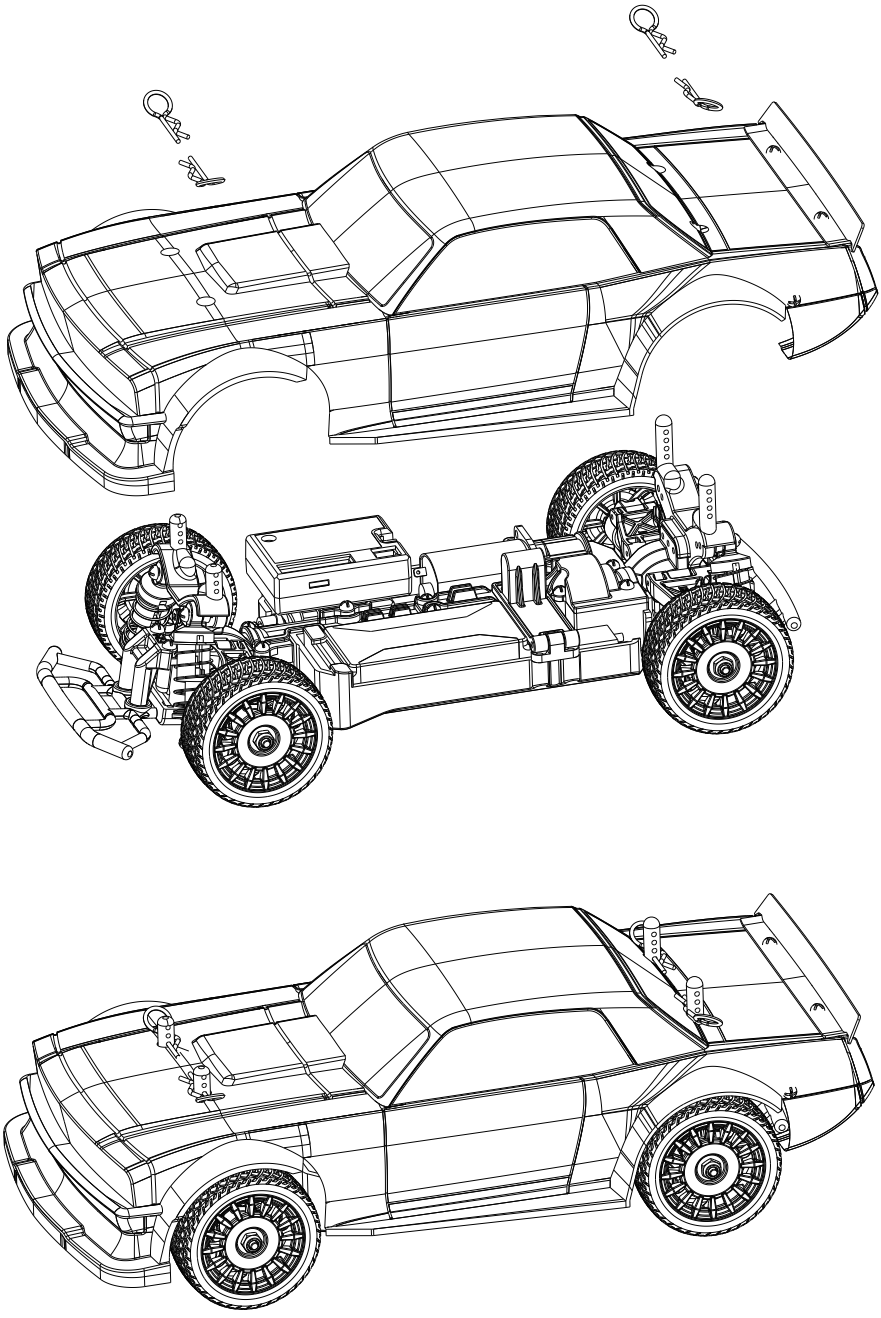
4.The green LED will illuminate when charging is complete.



Exploded View



RC24 ZOOM Street



RC24 ZOOM Street

SKU	Parts
21836	RC24 ZOOM CHASSIS SET
21837	RC24 ZOOM SHOCK SET
21838	RC24 ZOOM SHOCK TOWER SET
21839	RC24 ZOOM STEERING, CASTER BLOCKS AND REAR HUBS
21840	RC24 ZOOM TOP DECK SET
21841	RC24 ZOOM SERVO SAVER SET
21842	RC24 ZOOM AXLE SET w/PINS
21843	RC24 ZOOM DIFFERENTIAL SET
21844	RC24 ZOOM CENTER DRIVESHAFT SET
21845	RC24 ZOOM MOTOR MOUNT PLATE
21846	RC24 ZOOM LOWER INNER HINGE PIN SET w/BRACES
21847	RC24 ZOOM UPPER AND OUTER HINGE PIN SET
21849	RC24 ZOOM SUSPENSION ARM SET
21850	RC24 ZOOM DOGBONE SET
21851	RC24 ZOOM BUMPER SET
21852	RC24 ZOOM TIRE AND WHEEL SET
21853	RC24 ZOOM PINION GEAR, 12T
21855	RC24 ZOOM STREET BODY, CLEAR
21856	RC24 ZOOM MOTOR
21857	RC24 ZOOM SERVO
21858	RC24 ZOOM BATTERY
21859	RC24 ZOOM 2 IN 1 ESC/RECEIVER

:: Troubleshooting Guide

Symptom	Possible Cause	Solution
No connection between transmitter and vehicle	Not bound	Re-bind it following the instructions in the Operation Guide.
Audible alarm	Throttle (TH) TRIM center point incorrect	Adjust left/right TRIM slightly until the alarm stops.
Vehicle drifts, cannot drive straight	Steering (ST) TRIM not properly adjusted	Adjust left/right TRIM slightly until the vehicle drives straight.
Vehicle speed inconsistent, stutters, or pauses	Out of power	Replace battery with a charged one or recharge the battery.
Steering angle too small	ST DR steering ratio may be incorrect	Appropriately increase the ratio setting.
Unusual noise	1. Excessive gear backlash 2. Damaged transmission parts 3. Loose or misaligned	1. Adjust gear backlash. 2. Replace damaged transmission parts. 3. Re-secure the motor properly.
Motor runs but vehicle doesn't move	1. Damaged motor pinion 2. Damaged transmission parts	1. Replace the pinion gear. 2. Replace damaged transmission parts.
Vehicle difficult to control	1. Low battery in transmitter or receiver 2. Servo not properly 3. Electronic equipment experiencing interference	1. Replace batteries or recharge 2. Re-adjust the servo. 3. Turn off both vehicle and transmitter, then power them back on.

Notes:

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