



USER MANUAL

OFF-ROAD CRAWLER

NO.136161DF



Notes:

- ☞ Read and understand the instructions carefully before operating or assembling your racing model.
- ☞ Specifications are subject to change without prior notice, and actual received model may vary from the images and/or descriptions in this manual.

Remote control models are specialized and high-value products. If you identify any quality defects upon receipt, please do not use the product and contact the seller immediately to arrange a replacement or return. Please note that we cannot provide any after-sales guarantee for damages which are caused by improper use.

The product conforms to technical requirements of export safety regulations.



Please read and follow all the instructions in the manual before use.

14+
YEARS



MADE IN CHINA

Factory Address: Huang Jiang Town, Dong Guan City, Guang Dong Province, China
Production Date: refer to packing instruction

Introduction

We would like to welcome you to the world of remote control cars. What are RC cars? The simple answer is that they are radio controlled cars that respond precisely to your command. The more complete answer is that they can be a great addition to your lifestyle. RC car building and racing teach valuable mechanical and electrical skills, promote teamwork and encourage racers to test their skills with other racers from around the world. Whether you are just having fun racing your car in your backyard or racing at the world competition contest, radio controlled car racing is a great hobby.

We have been making RC products aimed at making our hobby fun and exciting with an affordable price. We are confident that your experience with our products will be positive. Of all the radio controlled models out there, no question about it, RC cars are the hardest to operate. This user manual covers a wide range of topics from nitro powered remote control cars to electrical powered remote control cars. We highly recommend that you read this user manual thoroughly and carefully before assembling and operating. Please follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning.

This product is not a toy. It is not recommended for children under 14 years old and any minor should be accompanied by an adult when operating. This product is a precision machine that requires proper assembly and setup to avoid accidents. Failure to take caution when operating this product may result in serious injury or property damage. It is the owner's responsibility to operate this product in a safe manner. Manufacturer and its distributors are not responsible in any way for any and all bodily injury(s) and/or property damage that may occur from the use of or caused by in any way of this product.

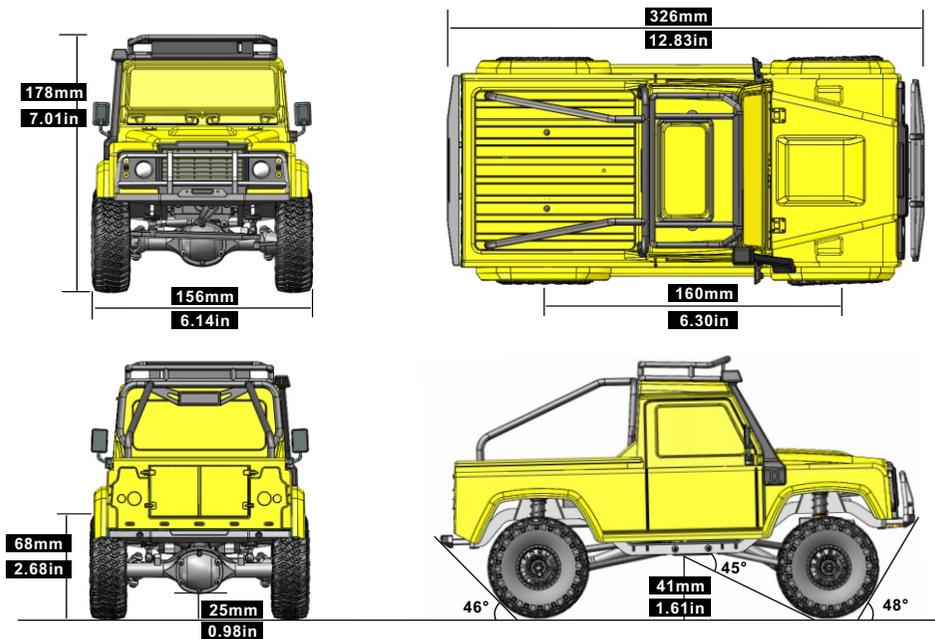
Warnings

- The product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.
- Do not attempt to disassemble or modify any of the product components without the assistance of an experienced RC user.
- Only use the correct type of battery to operate. Using any wrong type of battery will damage the product and possibly make it dangerous to operate.
- The motor(s) may get hot during use. Always allow the motor 10 - 15 minutes to cool down between each operation. This will prolong the life of your product.
- Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, user error, and radio interference. Users are responsible for their actions and damage or injury occurring during the operation.
- Do not operate in inclement weather, such as rain, wind, snow or darkness.
- The product, composed of precision electrical components, must be kept away from moisture and other contaminants. Do not allow them to get wet. Electrical damage may occur that could affect safe operation.
- You should complete a successful pre-run check of your radio equipment and the model prior to each run.
- Use replacement parts from the original manufacturer to ensure safe product operation.
- Operate this product within your ability. Do not operate under tired condition.
- After each use, always allow the battery to cool down before recharging. When charging the battery pack, do not overcharge! If batteries get hot during charging, discontinue charging immediately and disconnect the battery from the charger. Never leave battery unattended while charging. If you are unsure of how to charge this battery, please seek the advice of experienced RC users. Never let children charge the battery without adult supervision.
- Always turn on the transmitter before connecting the battery on the model. When turning off the model, always disconnect the battery first, and then turn off the transmitter. If the order is reversed, the model may become uncontrollable and cause serious damage.
- If you are in doubt about your ability to operate the model, we strongly recommend that you seek assistance from experienced RC users or join your local modeling club to gain the required knowledge and skill. As the manufacturer and distributor, we assume no liability for the use of this product.
- Before turning on your model and transmitter, please check to make sure no one else is operating under the same frequency. Frequency interference can cause your model, or other's models to crash. The guidance provided by experienced RC users will be valuable for the assembly, tuning, trimming, and actual first flight.
- Never allow batteries to run low or you might lose control of the model.
- Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Do not store the model near any source of heat such as oven or heater. Store the model indoors, in a climate-controlled, room temperature environment.
- Never shorten the receiver antenna; or this might affect the transmitting range of the radio system.
- This product is a RC hobby model, do not use for other purpose.

Lithium Polymer (LiPo) Battery Warnings

- Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry. Use ONLY charger designed for LiPo battery.
- Do not leave LiPo battery unattended during charging.
- Do not overcharge the battery.
- Always place the battery on a heat resistant surface alone when charging.
- Always put the LiPo battery inside a charging protection container while charging.
- Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 Fahrenheit (60°C) will usually become damaged and will catch fire.
- Do not charge LiPo cells on or near combustible materials including paper, plastic, carpets, vinyl, leather, and wood. Inside an R/C model or full size automobile.
- Do not discharge LiPo; doing so will damage the battery.
- Do not expose LiPo cell to water or moisture at any time.
- Do not store battery near open flame or heater.
- Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
- Always store LiPo battery in a secure location away from children.
- Always remove the LiPo battery if model is involved in any kind of crash. Carefully inspect the battery and connectors for even the smallest damage. CAUTION: cells may be hot!
- Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte. Do not alter or modify connectors or wires of a LiPo battery pack.
- Always inspect the condition of the battery before charging and operating.
- Do not short circuit the LiPo battery.
- Do not have contact with a leaky/damaged battery directly.
- Do not charge battery out of recommended temperature range (0°C -45°C)

Specifications



| | | | | | |
|-------------|------------|-----------------|-------------------------------|-----------------|--------------------|
| Item No | 136161DF | Clearance | 41mm (chassis) 25mm (axle) | Ramp Angle | 45° |
| Item Name | Adventurer | Weight | 730g | Approach Angle | 48° |
| Description | Crawler | Radio/Rx | 2.4G/4CH | Departure Angle | 46° |
| Drive Mode | 4WD | Brushed Power | ESC:25A | Gear Ratio | 45 : 1 |
| Length | 326mm | | Motor:RC370 | Charger Spec | USB/8.4V 500MA |
| Width | 156mm | Brushless Power | ESC:45A | Body Type | PVC 1.0/Soft Paint |
| Height | 178mm | | Motor:2322-3500kv | Body Color | Gray / Yellow |
| Wheel Base | 200mm | Battery | 2S Lipo7.4V/1100mAh | Gift Box Size | 415*180*220mm |
| Wheel | 68*26mm | Servo | Metal Gear 17G | Vehicle Weight | 730g |

Operation Checklist

1. Read and follow all the instructions in the entire manual before operation.

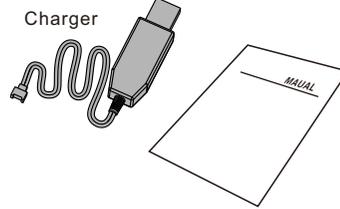
The items inside the box:



Transmitter



One car

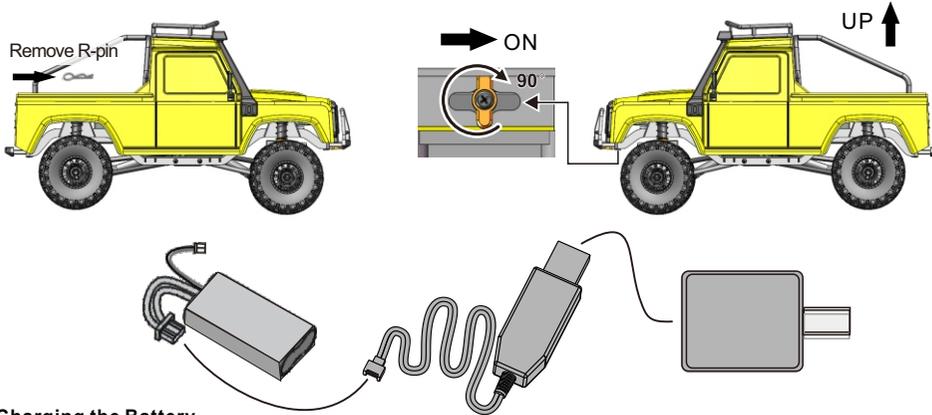


Charger
Factory Certificate/Decal Sheet

2. Charging Steps:

Open the body and take out the battery for charging.

Correct way to open the body: as shown in the diagram.



Charging the Battery

Input: USB 5V 1.5A, Output: 430-580mA/4.2V

1. Connect the USB charger to a power block.
2. Connect the balance connector of battery to the charger's charge port. Be sure the polarity is correct. Do not force the balance connector into the charge port.
3. The charger will detect the battery status and then start to charge. The indicator LED will turn solid red when charging.
4. When the battery is fully charged (4.2V per cell), the indicator LED will be solid green. Unplug the battery from the charge.
5. Unplug the charger from the power source.

Note: If the indicator LED blinks red, check for a proper connection between the balance leads of the battery and the charger.

Note: If the battery has been discharged too much (cell voltage less than 2.5V/Cell) the charger will not charge the battery and it is considered unstable.

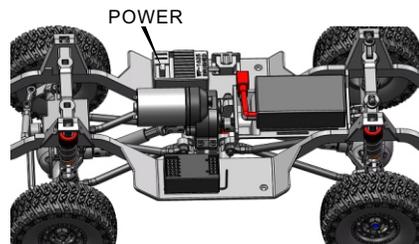
3. Car Power On/Off

As shown in the diagram on the right, press the ESC power button briefly to power on the car. Press and hold the ESC power button for 3 seconds to power off the car.

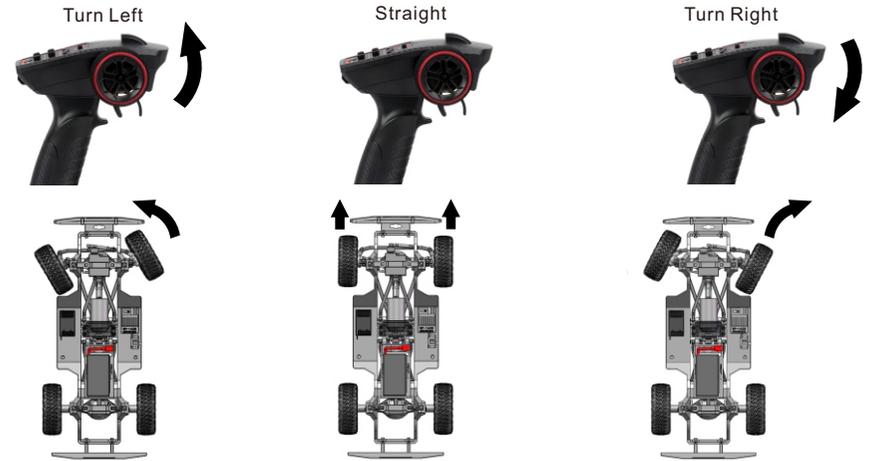
Tips: When powering on the car, please turn on the transmitter first.

When powering off the car, turn off the ESC power first, then turn off the transmitter.

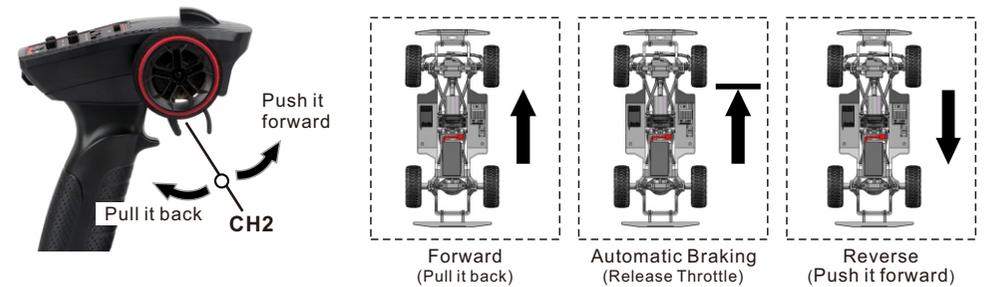
To better preserve the battery's service life, please unplug the battery connector after powering off.



Checking the steering performance by turning the steering wheel:



Throttle control:



Light Control Usage:

As shown in the picture:
The car is equipped with three lighting modes (A/B/C) as factory default. Single-cycle memory function.

OFF ON

A. ON

B. Flash

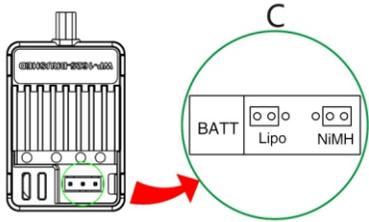
C. Flash with Breathing

Single-cycle memory function

Instructions:

- Turn on CH3 button, the lights are on (Mode A). Turn off CH3 button, the lights are off.
- Turn on CH3 button again, the lights turn flashing (Mode B). Turn off CH3 button;
- Turn on CH3 button again, the lights flash with breathing effect. (Mode C)

ESC(WP-1625-BRUSHED) Instructions



C:WP-1625-BRUSHED&
WP-1625-BRUSHED-CRAWLER

| Model | WP-1625-BRUSHED& WP-1625-BRUSHED-CRAWLER | |
|---------------------|---|--|
| Cont./Burst Current | Forward: 25A/100A Backward: 25A/100A | |
| Input | 2-3S Lipo, 5-9 Cells NiMH | |
| Motor Limit | 2S Lipo or 5-6 cells NiMH | 280, 370 or 380 size motor or RPM<30000@7.2V |
| | 3S Lipo or 7-9 cells NiMH | 280, 370 or 380 size motor or RPM<20000@7.2V |
| Resistance | Fwd: 0.003 Ohm, Bwd: 0.003 Ohm | |
| Built-in BEC | 1A/6V(Linear mode BEC) | |
| Dimension&Weight | 34mm*24mm*14mm, 23.5g | |

ESC(45A BRUSHLESS ESC) Instructions



FAM32-45A

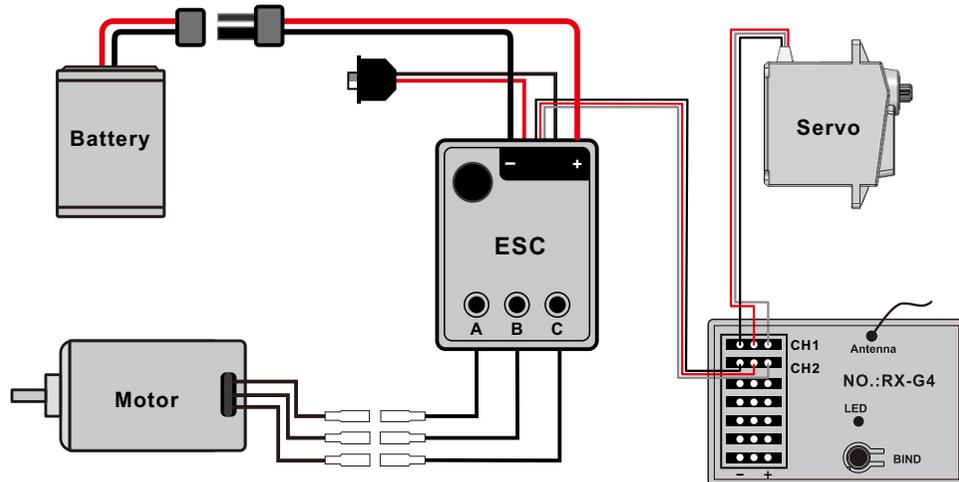
Features:

1. Simulated FOC, extremely excellent low-speed linearity and powerful low-speed torque.
2. Parameter adjusters and software can be used to adjust and adapt to various types of motors.
3. Low internal resistance Mos tube, strong impact resistance.
4. Waterproof treatment.

Specifications:

| NO: | FAM32-45A | | |
|----------------------|----------------------------------|-------------|-----------------------------------|
| Rated Voltage Range: | 2S Li-PO | Motor Type: | 2322/2204/2205 Outer rotor motors |
| Current(A): | Continuous/Peak Current:45A/260A | BEC Output: | 5V/2A |
| Weight: | 25.5g | Color: | Black |

Scheme of installation



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Usage:

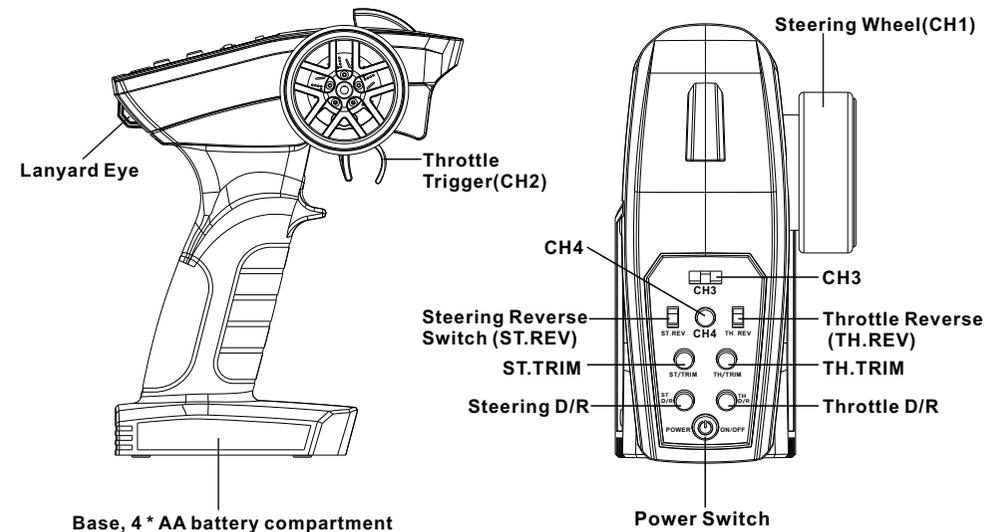
1. Connect the power supply, motor, and receiver correctly according to the instructions in the diagram.
2. Connect the motor and the three wires of the electric controller in any order. If the throttle is reversed, switch the two wires for connection.
3. Adjust the throttle center position by adjusting the throttle fine adjustment knob and making a few long beeps to the motor. This is the throttle center position.
4. When the throttle adjustment is not in the neutral position, there is no response to the throttle during operation
5. The transmitter throttle adjustment 0 value is only a reference center, sometimes it may deviate to the left or right.

Troubleshooting:

| Causes: | Solutions: |
|---|---|
| No power | Check if the battery is unplugged or flat. Fix or charge the battery. |
| Reversed forward and backward operation | 1. Check if the motor wires are reversed. 2. Check if the Throttle Reverse is properly set. Toggle between NOV and REV |
| The car moves when powered on | Check if the remote control front and rear fine adjustment (TH. TRIM) is in the throttle center position |
| The RC product slows down unexpectedly | Check the battery power. Check the battery if needed. |
| No throttle | 1. Check if the receiver channel is plugged in correctly, usually by inserting the CH2 channel, and if the CH2 channel wire is plugged in incorrectly. 2. Check if the remote control throttle is in the middle position of the throttle to complete frequency matching. |

TX-8B Radio System

Transmitter overview:

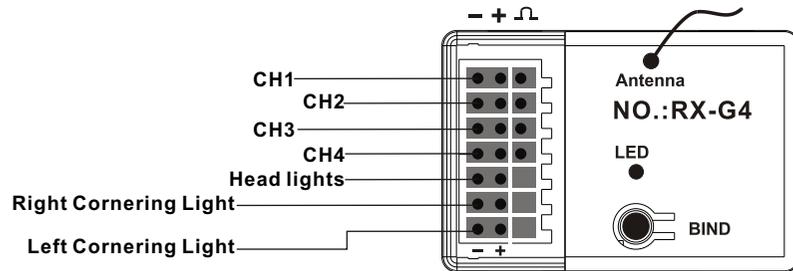


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Transmitter Parameters:

| | | | |
|---------------|---------------|---------------------|---------------|
| Product Model | TX-8B | Battery | 6V DC 1.5AA*4 |
| Channels | 4 | Working voltage | 4.2V~6VA |
| RF | 2.4GHz | Low Voltage Warning | <4.4V |
| RF Power | <20dBm | Size | 143*90*192mm |
| Distance | >150m(ground) | Certification | CE, FCC |

Receiver:

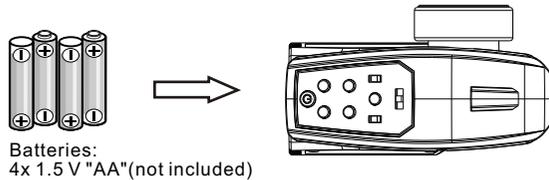


Receiver Parameters:

| | | | |
|---------------|-----------------|-----------------|------------------|
| Product Model | RX-G4 | Working voltage | 4.2-10V |
| Name | 2.4Ghz Receiver | Size | 36.6*23.8*13.4mm |
| RF | 2.4GHz | Weight | 8.9g |
| Distance | >150m(ground) | Certificates | CE, FCC |

Battery Installation:

1. Open the battery cover.
2. Load four AA size batteries.
Make sure not to invert the polarities.



Before use /After use:

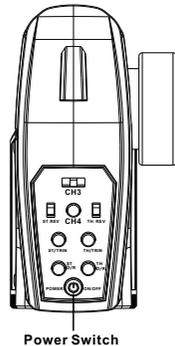
Follow the steps below to turn on the transmitter:

- 1). Check to make sure that that battery is fully charged and installed correctly.
- 2). Press and hold for 2 seconds the POWER button to turn on the power.
When active the LED will be lit.
- 3). Connect the receiver to power.



For safety always power on the transmitter before the receiver.

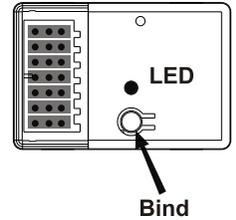
- 4). Always switch off the receiver before the transmitter when stopping use.
Failure to do so may lead to malfunction and even a severe accident.



Binding :

The transmitter is bound with the receiver before leaving factory. Please follow the instructions when trying to re-bind them.

- 1). Switch off the transmitter.
- 2). Switch on the receiver. Press and hold the BIND button for 3 seconds and release until the LED flashes rapidly.
- 3). Switch on the transmitter. The LED on transmitter will flash which indicates it is seeking the receiver.
- 4). The LEDs on transmitter and receiver will become on solid which indicates the transmitter has been bound with the receiver.



Vehicle Maintenance:



Note:

Always turn off the receiver and then the transmitter when not in use.
Clean the car before storage.

- 1) Inspect your car and make sure there is no obvious damage and breakage.
- 2) Check gears for wear, debris or broken/slipping teeth.
- 3) Check for loose screws in the chassis. And make sure the wheels are firmly before use.
- 4) Check for the wires for frayed or damaged wires or connectors.
- 5) Check the steering servo which will wear out over time and require replacement.
- 6) Check all batteries. Disconnect and remove the batteries when not in use. Batteries should be stored in a Clean and dry place, which should NOT be exposed to direct sunlight.
- 7) Keep the chassis clean and free of sand, dust and moisture.
- 8) Remove and clean the motor if necessary. (Never attempt to re-assemble the motor.)
- 9) Clean the car body with a soft lint-free cloth. Regular check gear mesh, clean and oil the gears if necessary.
- 10) Remove all batteries when not in use. 11) Store the vehicle in a clean and dry place out of children's reach. Storage should not expose the vehicle to any source of heat and water.

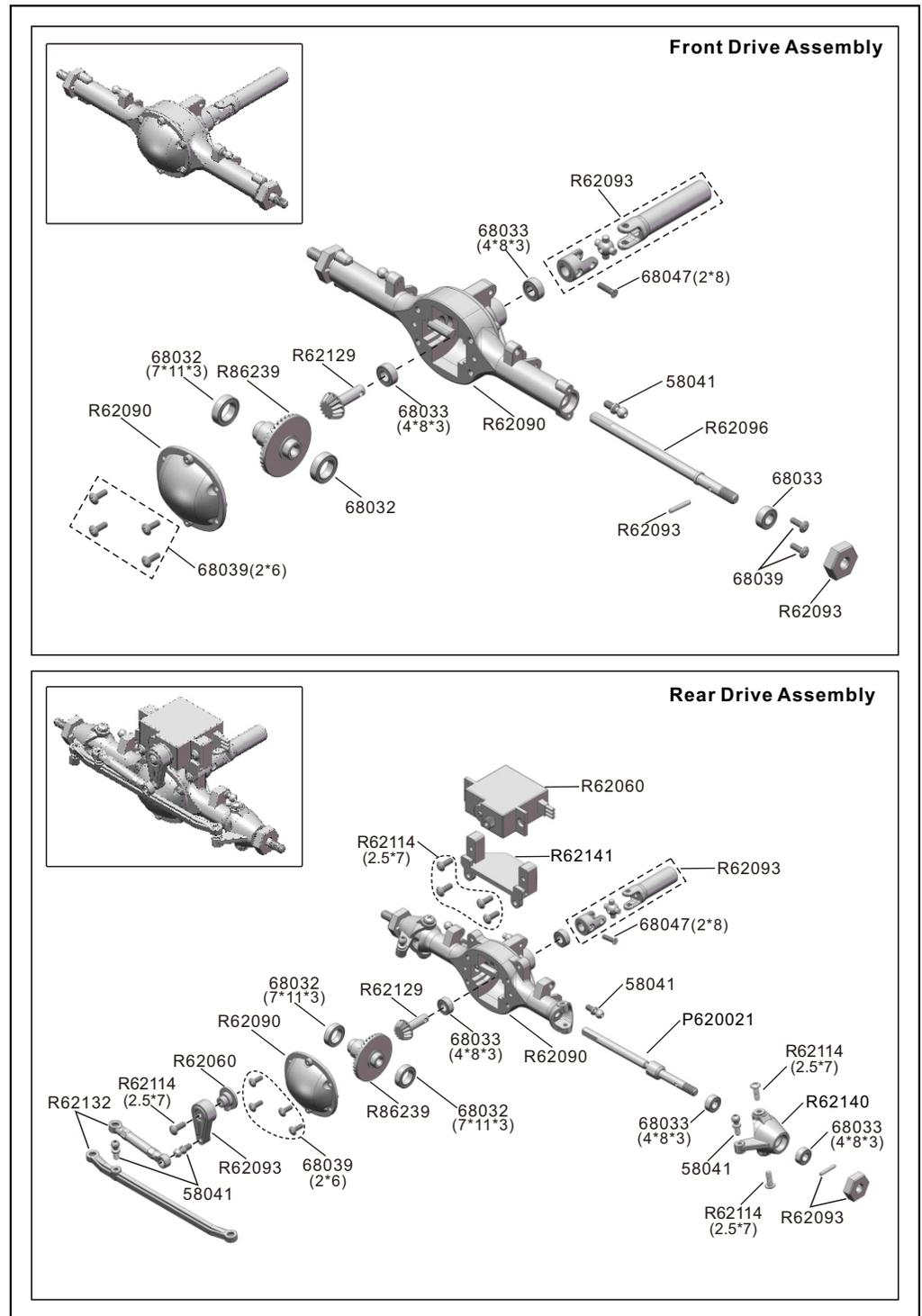
Check if either the charger or the batteries are damaged, or batteries are over-discharged.

Not able to charge the batteries:

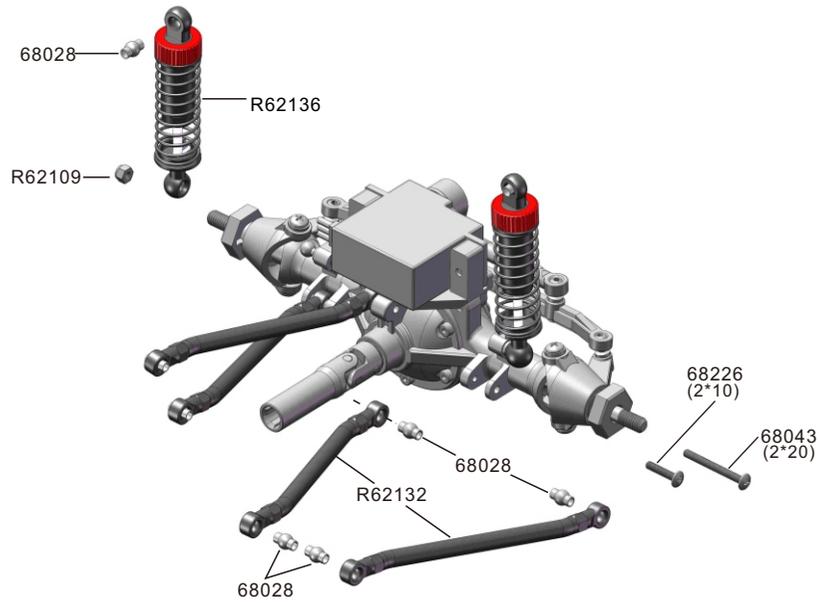
If you do not use it for any extended period of time(e.g. for storing), disconnect and take out the battery pack from the vehicle. This will prevent damage from leaking rechargeable battery pack. To prolong battery life, do not permit the vehicle to be used to a standstill resulting in the battery being completely over-discharged. Always stop use when slow running speed is observed. Fully charge the battery pack before use and storing.

Troubleshooting

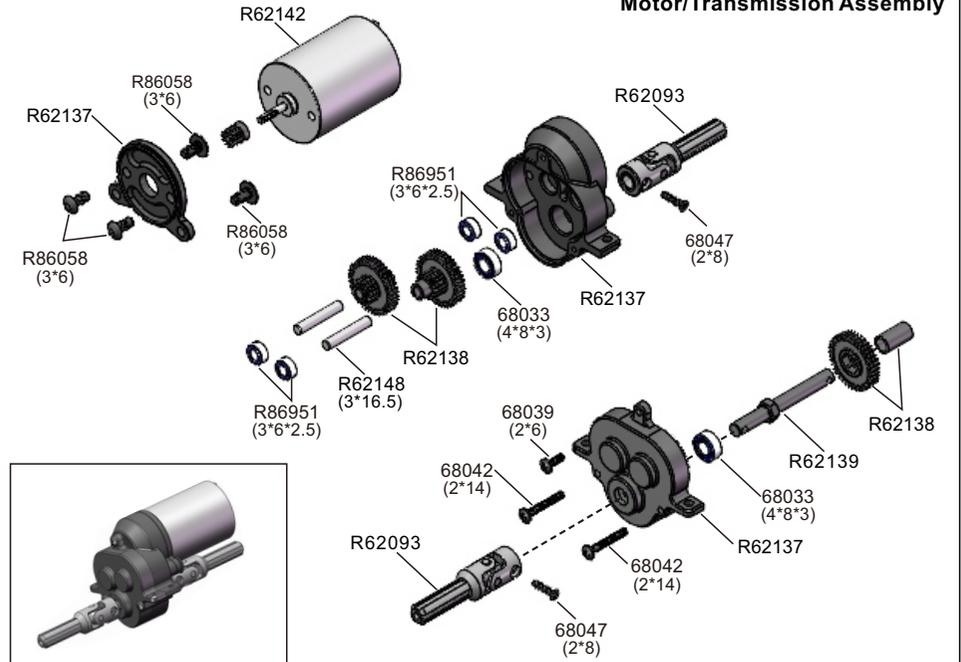
| Problem | Possible Cause | Solution |
|--|--|--|
| Car does not respond during operation | Electronic plugs loose or fall off | Switch off and reconnect |
| | Vehicle battery not charged, activating the ESC low voltage cut-off to protect the battery | Replace/recharge the vehicle battery |
| | Motor or ESC dirty or damaged | replace new Motor (recommend to purchase factory Motor) |
| | ESC failed | replace new ESC (recommend to purchase factory ESC) |
| | ESC power off by overheated Motor | Stop operation and cool the ESC or Motor |
| | Motor overheated, demagnetized or damaged | replace new Motor (recommend to purchase factory Motor) |
| | Transmitter batteries low or beyond the remote control distance | Replace the transmitter batteries, adjust the remote control distance |
| | Transmitter damaged | Relace or contact seller |
| No Backward, forward normally | ESC "operation mode" setting error | Relace or contact seller |
| | ESC damaged | Refer to manual "ESC", set "operation mode" into "forward and backward reverse with brake" |
| | Throttle damaged or transmitter throttle not centered | Refer to manual "Transmitter", and reset |
| Car operate automatically, with no control | Throttle trim out of center on transmitter | Refer to manual "Transmitter", and reset |
| | Neutral throttle is in incorrect position | Adjust ESC in neutral point |
| Normal operation, speed shift failure | Error Operation | Ensure to operate in stop status, more refer to the Manual |
| | Gear Cable damage or loose | Replace the accessory or Readjust |
| | Servo wire inserts in wrong Receiver slot | Refer to the manual, Readjust |
| Sluggish Action | Battery damaged / not charged | Check, change or recharge |
| | Throttle trim out of center on transmitter | Adjust (refer to manual "transmitter") |
| | Motor dirty/ damaged | Clean/ replace |
| | Drivetrain dirty / damaged | Check and clean |
| Light Function Failure after Battery properly installed | Light Plug is not connected or in wrong postion | Check the plug connection |
| | Transmitter Set Error or Light Control Panel Damage | Reset the Transmitter. Otherwise, please check the light control panel is damaged or not. |
| | Light Cable in wrong installation and connection | Readjust the installation and Connection |
| Lack of steering and throttle | ESC power off by overheat | Stop operation, cool the ESC |
| | Transmitter too near interfere electronical objects | Check and rebind transmitter and receiver, refer to manual |
| Vehicle moves left / right without steering input | Steering accessories damaged | Check and replace |
| | Wheel loose | Check and replace |
| | Drivetrain dirty / damaged | Check and replace |
| Controls Reversed | ST. REV or TH. REV | Change switch position, refer to manual |
| | Check the wires between ESC and Motor correct or not | Switch the motor black and red wire |
| Clicking noise in operation | Check the bodyshell damaged or fall off | Retrim or replace |
| | Loose or tight between motor gear and main gear | Reset gear mesh |
| | Gear damaged or rocked | Remove gear cover and inspect. If necessary, replace gear |
| Only steering, no forward and backward | ESC failed or abnormal | Reset the neutral point or replace |
| | Transmitter failed or abnormal | Relace or contact seller |



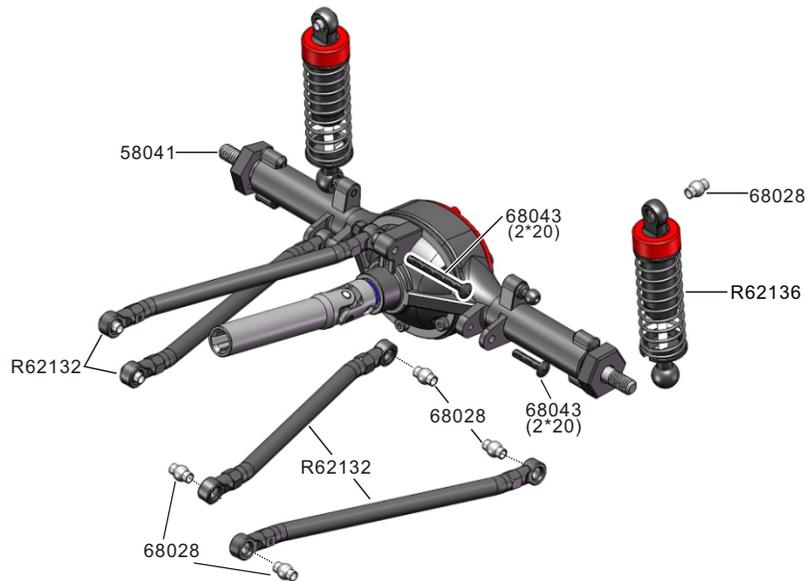
Front Shock Absorbers Installation



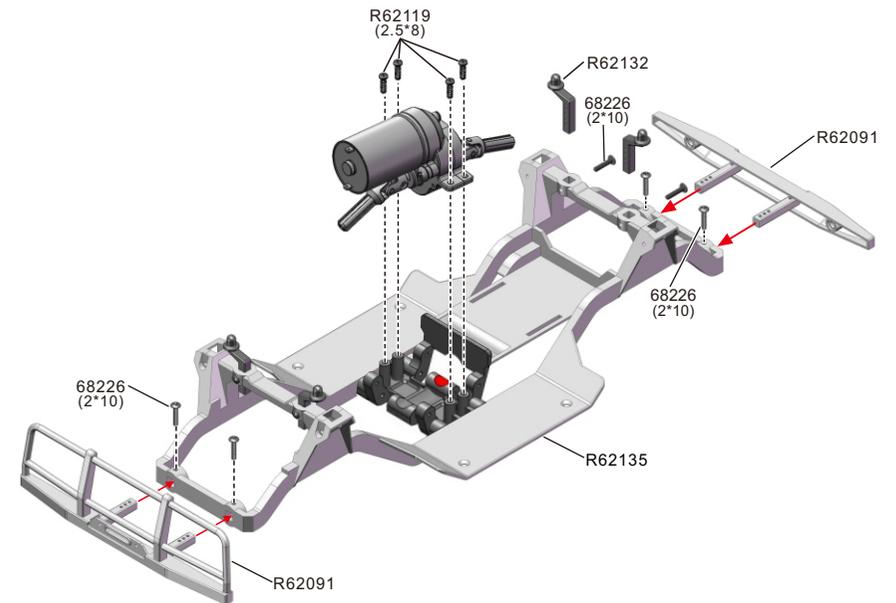
Motor/Transmission Assembly



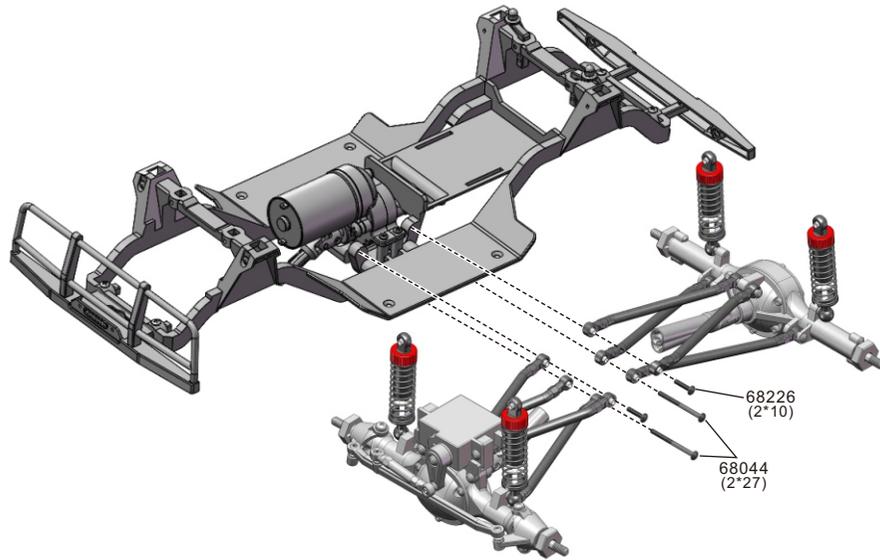
Rear Shock Absorbers Installation



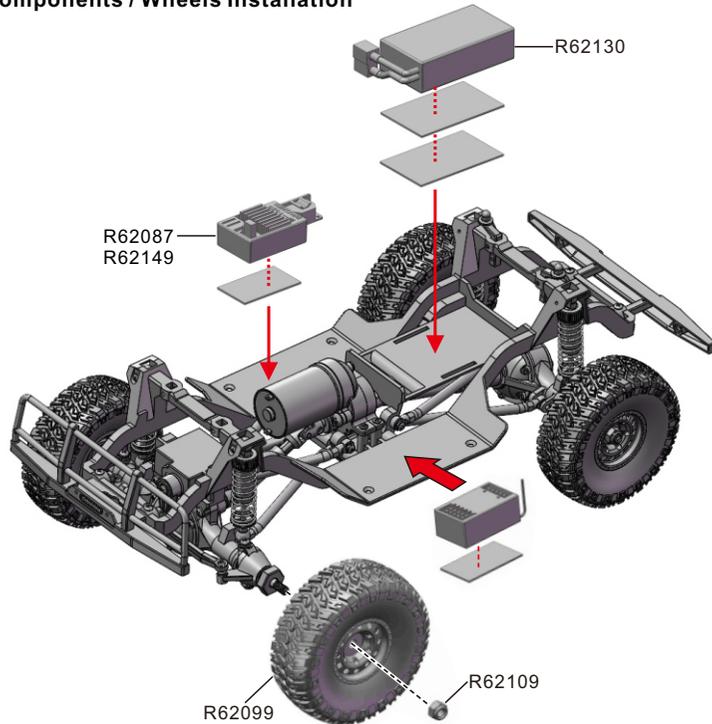
Mounting Center Gear Box/Bumper Installation



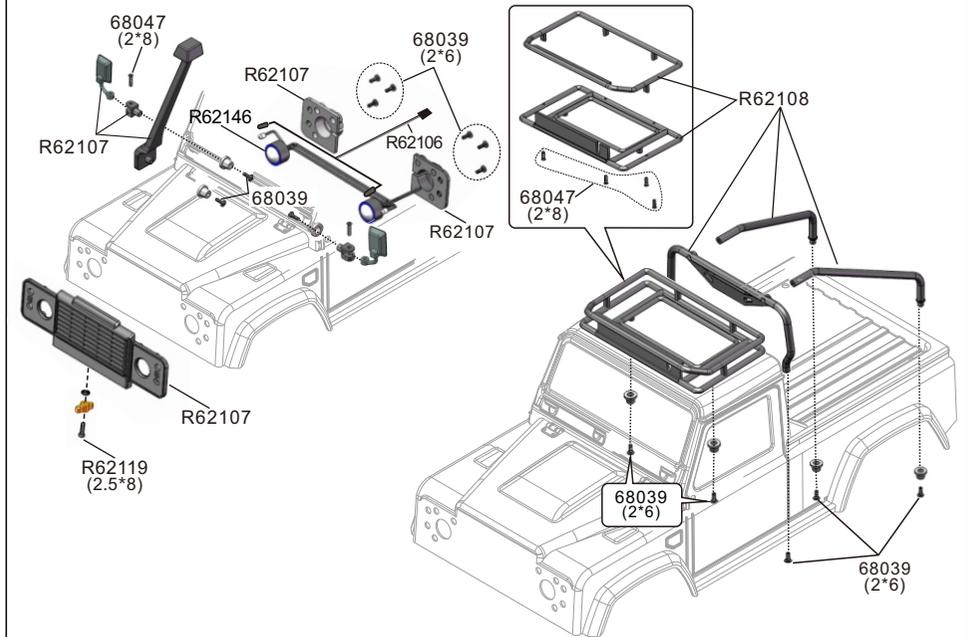
Front/Rear Axle Complete Installation



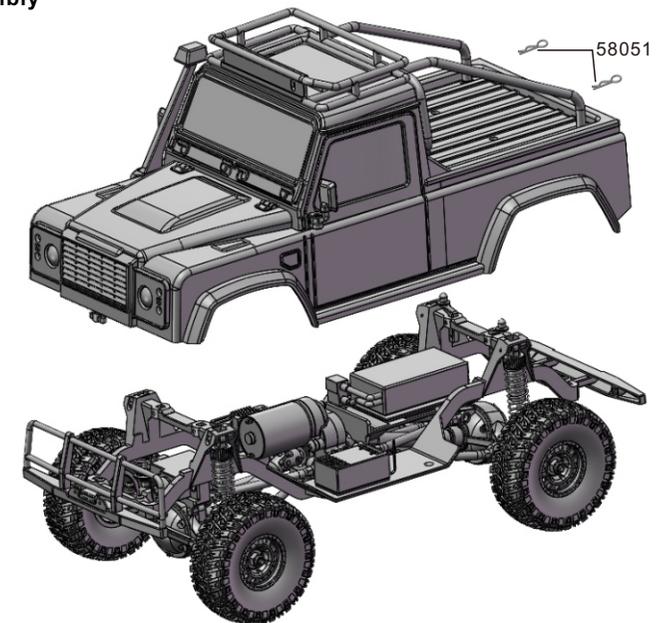
Electric Components / Wheels Installation



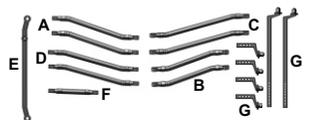
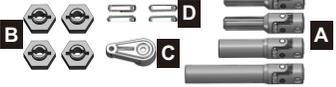
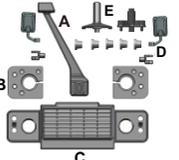
Bodyshell Accessories Assembly



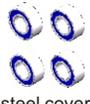
Bodyshell Assembly



Spare Part

| | | | |
|--|---|--|---|
| R62135  Main Chassis Set | R62136  Shock Set | R62137  Gearbox Set | R62138  Steel Transmission Gear Set |
| R62139  Transmission Gear Shaft | R62140  Front Hub | R62141  Servo Mount | R62132 A-Front Lower Link, B-Front Upper Link C-Rear Lower Link, D-Rear Upper Link E-Steering Link, F-Servo Link, G-Body post  |
| R62090  Axle Housing Set(F/R) | R62091  Front & Rear Bumper Set | Wheel Set R62099-B(Black) R62099-Y(Yellow)  | R62093 A-Telescopic Main Drive Shaft Set B-Wheel Hex With pin C-Servo Hex D-Pin 1.5*10  |
| R62096  Rear Drive Shaft | P620021  Front CVD Shafts | R62129  Drive Gear(14T) | R86239  Solid axle bush W/Main Gear(38T) |
| R62087  ESC/25A | R62149  ESC/45A | R62060  Servo/17g | R62146  LED Front Headlight Set |
| R62133  Lipo Charger | R62142  RC370 Motor | R62143  Radio/Receiver | R62107 A- Snorkel B- Light mount C- Front Grill Set D- Rearview mirrors E- Spare wheel stand  |

Spare Part

| | | | |
|--|--|---|---|
| R62108  Roof rack/Roll Cage | PC body+Sticker R62144-0(Clear) R62144-1(Yellow) R62144-2(Grey)  | 68032  Ball Bearings(7*11*3) (steel cover) | 68033  Ball Bearings(4*8*3) (steel cover) |
| 246020  Bearing (Ø3*Ø6*2.5) (steel cover) | 68028  Ball Stand Ø4.0 | 58041  Ball Head | R62119  Rounded Head Screw M2.5*8 |
| 68039  Button Head Screw M2*6 | 68042  Button Head Screw M2*14 | 68043  Button Head Screw M2*20 | R86058  Cap Head Hex Machine Screw M3*6 |
| 68044  Button Head Screw M2*27 | 68047  Countersunk Screw M2*8 | 58051  Body Clip | R62109 A-Nylon Nuts M2*4P B-Nylon Nuts M4*4P C-Set Screw M3*2*2P D-E-Clips M4*4P  |
| | | | R62148  Pins 3*16.5 |

Upgradable Optionals

| Upgradable Optionals | | | | |
|---|--|---|--|--|
| R62134 | P620018 | P620020 | R86119 | P620016 |
|  Servo Mount |  Bodyshell Mounting Plate(AL.) |  Steering Link(AL.) |  LED Light |  Front Hub Set(AL.) |
| P620022 | P620024 | | | |
|  Wheel Hex With Pin(AL.) |  Shock Set(AL.) | | | |
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PRODUCT QUALIFICATION CERTIFICATION

Remote control models are specialized and high-value products. If you identify any quality defects upon receipt, please do not use the product and contact the seller immediately to arrange a replacement or return. Please note that we cannot provide any after-sales guarantee for damages which are caused by improper use.

The product conforms to technical requirements of export safety regulations.

Factory Address: Huang Jiang Town, Dong Guan City, Guang Dong Province, China
 Website: www.RGT-RACING.Com

Production Date: refer to packing instruction