

## 1/8TH SCALE ROCK CRAWLER

## ROCK SLIDE



Children under 14 should handle the product with adult's supervision and care.

Rock crawling is an extreme form of off road driving using vehicles anywhere from stock to highly modified to overcome obstacles.

The rock crawler is about slow-speed, careful and precise driving. It often drives up, down and across obstacles that would appear impassable.

**Note:** The images may vary from the actual received model.

★ Please read this manual carefully before use.

**FULLY ASSEMBLED!**

## 1. SAFETY INFORMATION

Thank you for purchasing our product.

This product is an authentic controlled vehicle(RC vehicle) and it is not a toy. Read and understand this instruction manual thoroughly before the model. If you are not familiar with RC vehicles, we recommend that you ask RC experts for advice.

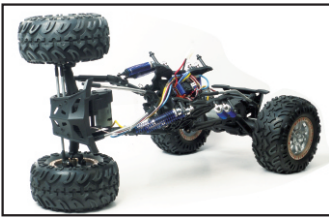
Never run RC models near crowded people or animals, or on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.

## 2. Technical Data

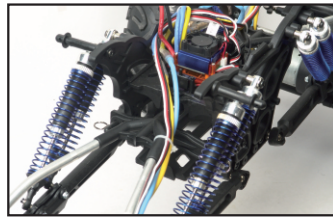
- Length: 680mm
- Width:390mm
- Height:340mm
- Wheelbase:495mm
- Wheel Dia.:185mm
- Wheel Width:85mm
- Net Weight:4.4kgs
- Motor : Two RC540 motors  
for our RTR crawler
- ESC : Current- 50A
- Servo : (10kg, steering angle of 120 degrees)  
Two servos are attached to our RTR crawler
- Battery : Ni-MH 2000 mAH



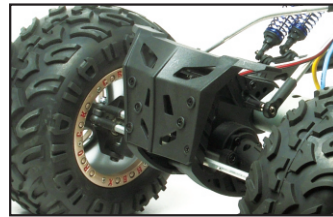
## 3. Main Features



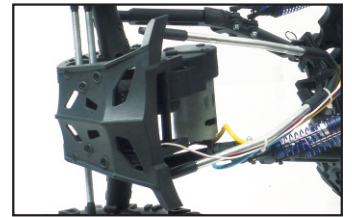
Both front and rear unit can be twisted to an angle of 90 degrees. It allows for smooth crawling on rocks.



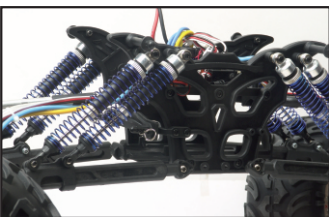
Two battery packs can be installed to our crawler which allows you to drive a long period of time.



Aggressive front/rear bumper, Solid front/rear bulkhead provides protection for gears.



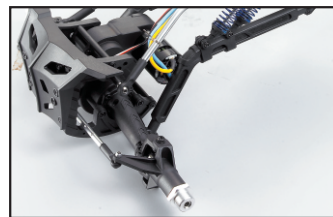
The crawler is installed with two powerful RC 540 motors (front and rear).



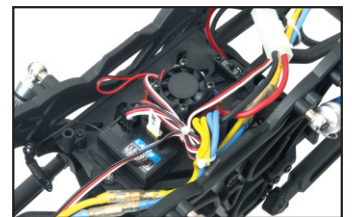
Eight aluminum capped shocks locked by screws on the arms are moveable and adjustable as desired.



High grip performance rock crawling wheels with painted rims locked by the metal fellyes.



Aluminum wheel lock nut, high performance front/rear steering hubs.



High precision pre-adjusted ESC and high performance receiver



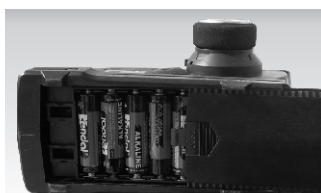
## 4.Using of the FM radio to your crawler

### General information

- It is a full functional LCD 2.4Ghz radio controller, which is in use for the crawler only.
- It contains various steering modes which makes the crawler perfect for crawling on roads or rocks.
- Fully extend its antenna while using it.
- Always remove batteries from this product if not in use.
- Various frequencies of FM crystals are available at factory.
- This radio control is a high-precision product and allowed itself to be used with your good care.



### Preparation before using



Slide out the battery holding tray to expose the empty battery compartment.

Insert four AA size batteries into the marked spaces. Please note the correct direction of the batteries.



Make sure not to damage or deform the antenna as it will cause no signal or incorrect signal.

### Full functional 2.4GHz radio controller



1	Antenna
2	LCD screen
3	Steering Control Wheel
4	Steering Trim / Reverse Switch
5	Throttle Trim
6	Power Switch ( Slide it to turn on/off)
7	Steering Dual Rate Control Dial (D/R)
8	Trim Switch (for rear wheels)
9	Trigger
10	Steering Mode Switch
11	SEL function button

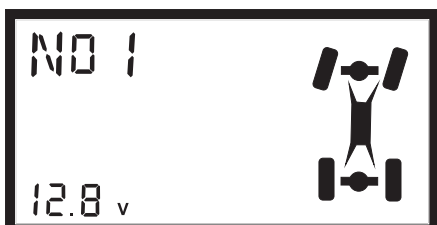
## Full function steering modes

This FM radio controller contains various steering modes which are perfect for the rock crawler.

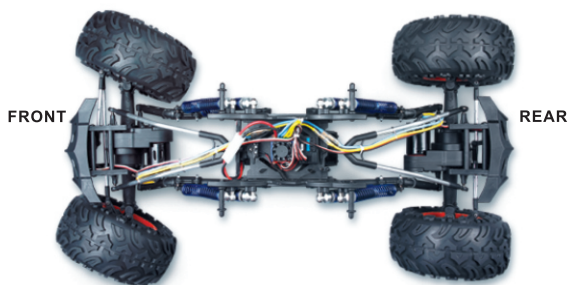


Press this switch to exchange steering modes.

LCD Screen on FM radio controller

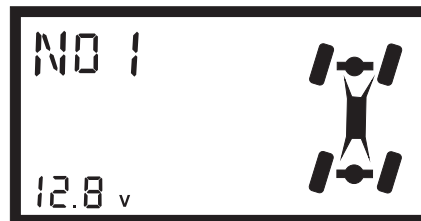


MODE 1  
Your crawler will work like so:

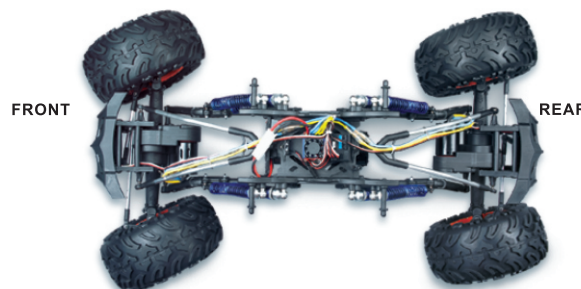


This illustration is your crawler in the situation by performing the first mode on the radio control. Front steering is to turn to the left or right but rear steering remains aligned.

LCD Screen on FM radio controller

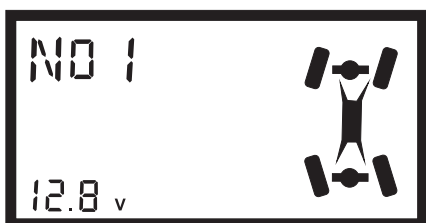


MODE 2  
Your crawler will work like so:

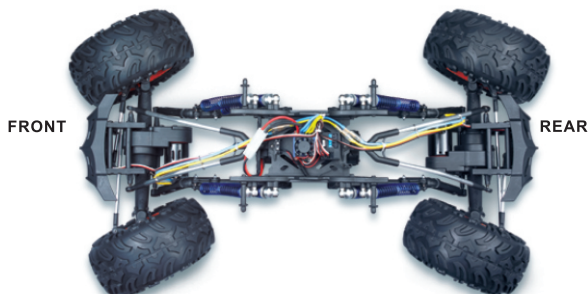


This illustration is your crawler in the situation by performing the second mode on the radio control. Front steering is to turn to the left and rear steering is to do likewise.

LCD Screen on FM radio controller

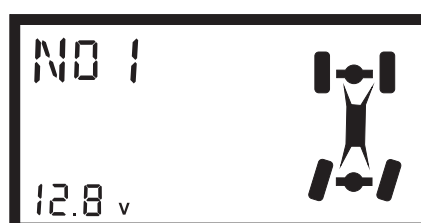


MODE 3  
Your crawler will work like so:

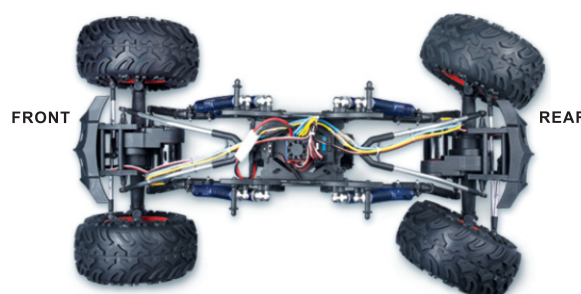


This illustration is your crawler in the situation by performing the third mode on the radio control. Front steering is to turn to the left but rear steering is to turn right.

LCD Screen on FM radio controller



MODE 4  
Your crawler will work like so:



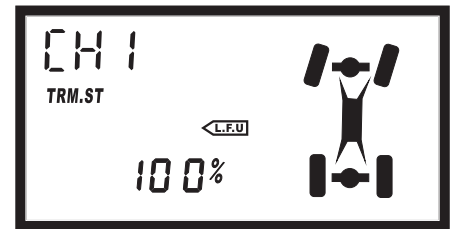
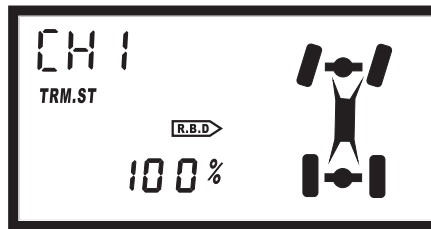
This illustration is your crawler in the situation by performing the fourth mode on the radio control. Rear steering is to turn to the left or right but front steering remains aligned.



## Steering Trim / Steering Reverse Function



LCD Screen on FM radio controller



TRM.ST (Steering Trim) range is around 0-100% for both left and right steering on front wheels. Tune this switch to select your desired steering trim volume.

### To switch to Steering Reverse program:

Press **SEL** ( Select Button) on your radio once, this LCD display appears Channel 1(NOR.)

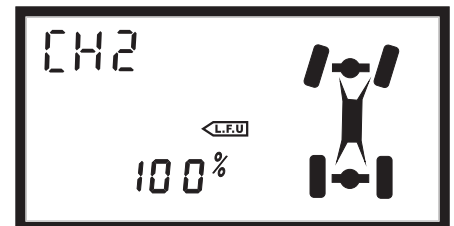
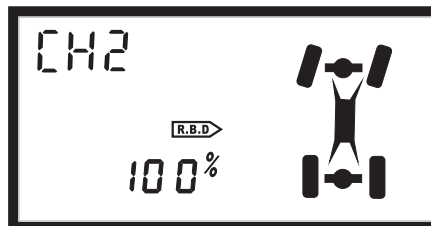
Tune the SWITCH ( Steering Trim /Reverse Switch) to change NOR into REV as shown below:.



## Throttle Trim / Throttle Reverse Switch



LCD Screen on FM radio controller



TRM. TH (Throttle Trim) range is around 0-100%. Tune this switch to select your desired throttle trim volume.

### To switch to Throttle Reverse program:

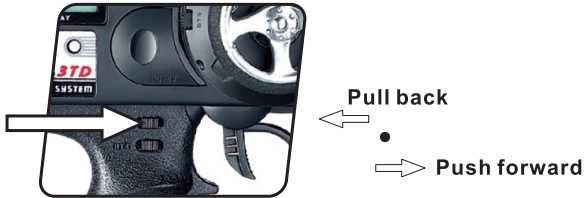
Press **SEL** ( Select Button) on your radio once, this LCD display appears Channel 2(NOR.)

Tune the SWITCH ( Steering Trim /Reverse Switch) to change NOR into REV as shown below:.

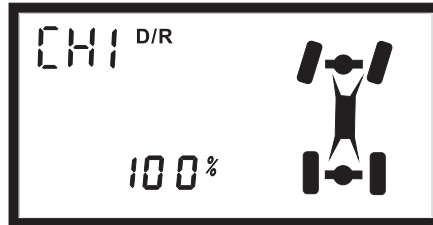


## Steering Dual Rate Control Dial(D/R)

This dial adjusts the overall travel of the steering servo , push the dial forward for maximum steering. Pull the dial back to reduce steering travel. D/R adjustable range is around 5-100%.



### LCD Screen on FM radio controller

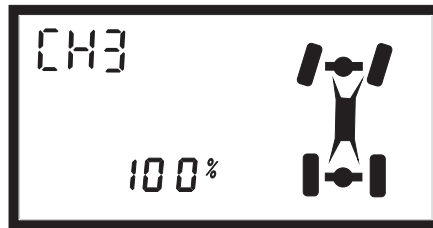


## Trim Switch (For rear wheels)

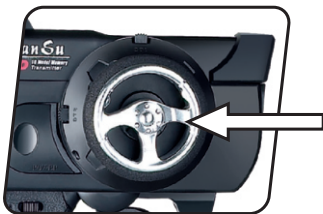
This dial is to centre the rear wheels. The range is around 0-100% on the left or right rear wheel.



### LCD Screen on FM radio controller



## Steering Control Wheel



It controls the steering of your rock crawler. Turn the wheel to the right and your crawler turns right. Turn the wheel to the left and your crawler turns left.

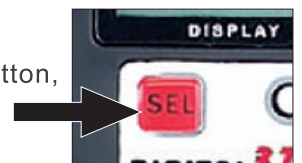
## Throttle/Brake Trigger



It controls the speed and braking ability of your rock crawler. Pull the trigger to speed up, release the trigger to decelerate, and push the trigger to brake. Pushing the trigger a second time activates the reverse function.

## SEL function button

This FM radio controller contains a variety of select functions. Once you press SEL button, different functions will come up in turn with LCD indicators on.



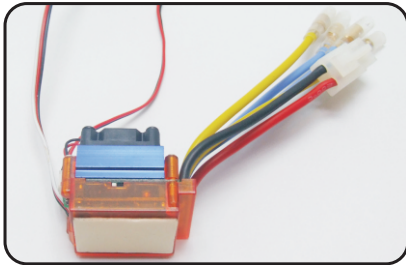


## 5. Installing electronic components to your crawler

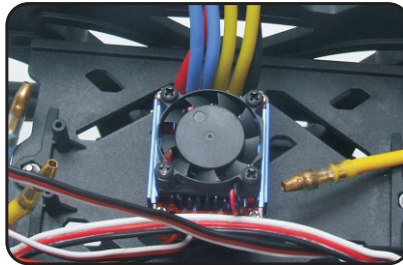
Your crawler is fully assembled at factory. The following is about installing receiver and ESC...

### To install the ESC

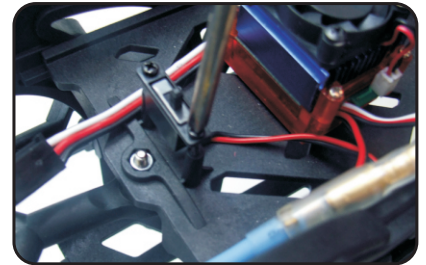
Attach adhesive tape to your ESC...



Install your ESC to the radio tray on your crawler...



Secure the power switch by using two round head self tapping screws (2\*6)...

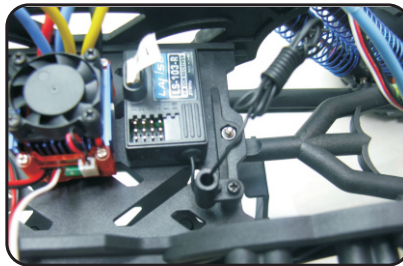


### To place all wires

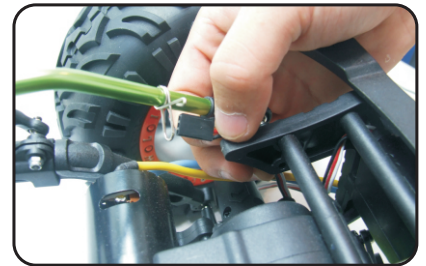
Insert receiver antenna into the antenna retainer...



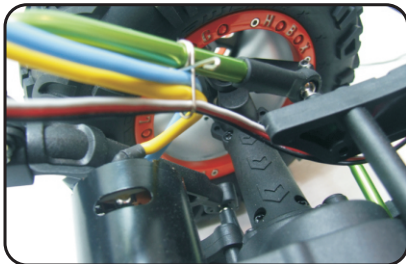
Tie up the antenna wire



To lock up motor connector along with servo connector (1)



To lock up motor connector along with servo connector (2)



To lock up motor connector along with servo connector (3)



Connect motor connectors (front/rear motor) to ESC



### 2.4GHz Receiver



BIND KEY ( WITH FAIL SAVE FUNCTION)



Channel 1  
Channel 2  
Channel 3

#### Tip:

Channel 1: connected to front servo

Channel 2: connected to speed control (ESC)

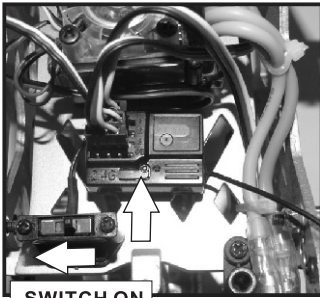
Channel 3: connected to rear servo

## **To bind your 2.4GHz radio controller with 2.4GHz receiver**

Before using your 2.4G radio system, please do the following which is to bind the 2.4GHz receiver with your 2.4GHz radio.

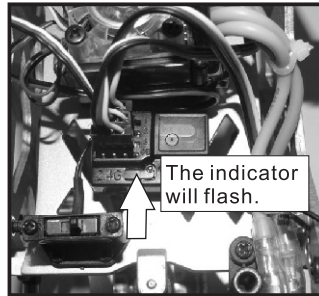
*Note: Make sure the radio system is securely connected before performing. (Motors, ESC and receiver, battery are all connected.)*

### **STEP 1**



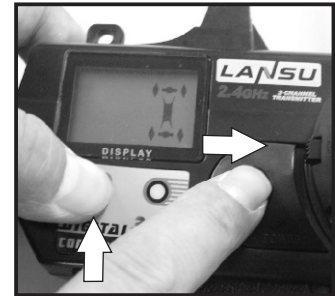
Hold the BIND KEY on the receiver switching on the power as shown.

### **STEP 2**



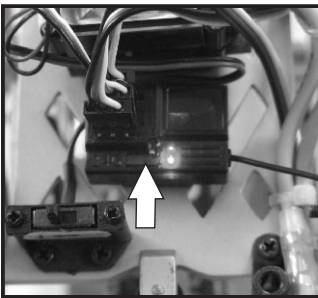
Do not release the BIND KEY until the indicator flashes sharply.

### **STEP 3**



Hold the SET KEY on the radio control switching on the radio control.

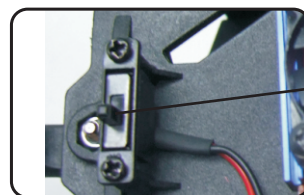
### **STEP 4**



Press the BIND KEY again (shortly press) to activate FAIL SAFE function.

The images are presented for reference only.

## **6.To start /stop crawling...**



Power switch on ESC.

To start crawling:

- 1.Switch on the radio controller.
- 2.Switch on the power switch on ESC.

To stop crawling:

- 1.Switch off the power switch on ESC.
- 2.Switch off the radio controller.

Do not forget to remove the batteries from your crawler and radio controller if not in use.



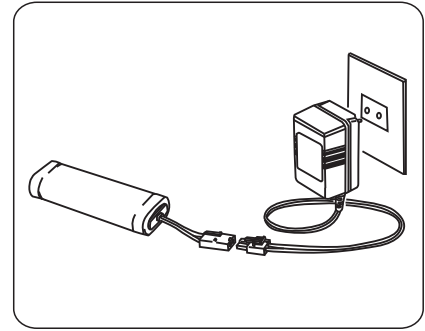
## 7. Charging your battery for the rock crawler



### WARNING

Never tempt to use this charger to charge the batteries of your transmitter.

- Use only the specified charger (7.2V,500mA) to charge your battery pack.
- For better battery performance please discharge your battery before charging it.
- Never charge your battery over 5-6 hours.
- Never charge the battery pack unattended.
- Always use the battery after it is fully charged.



## 8. Troubleshooting List

Problem	Cause	Remedy
The rock crawler fails to move.	<ol style="list-style-type: none"> <li>1) Radio controller or receiver is off.</li> <li>2) Batteries are not placed correctly in the radio.</li> <li>3) Battery pack on the car is flat</li> <li>4) Radio controller and receiver are not bound properly.</li> </ol>	<ol style="list-style-type: none"> <li>1) Turn on both radio and receiver.</li> <li>2) Place batteries in the radio controller properly.</li> <li>3) Charge your battery pack.</li> <li>4) Bind radio controller with receiver again.</li> </ol>
Servo does not operate normally	<ol style="list-style-type: none"> <li>1) Transmitter and/or receiver batteries are low.</li> <li>2) Servo gear stripped or otherwise damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1) Replace/recharge radio controller and/or receiver batteries</li> <li>2) Replace with new gear set</li> </ol>
Whilst driving the rock crawler, radio system operates erratically.	<ol style="list-style-type: none"> <li>1) Radio controller uses out of power.</li> <li>2) Receiver is damaged after a crash</li> </ol>	<ol style="list-style-type: none"> <li>1) Replace batteries for radio controller</li> <li>2) Contact your local distributor for repair information</li> </ol>
Operating range is short.	<ol style="list-style-type: none"> <li>1) Receiver antenna is not extended.</li> <li>2) Radio controller uses out of power.</li> </ol>	<ol style="list-style-type: none"> <li>1) Extend receiver antenna fully.</li> <li>2) Replace/recharge the batteries</li> </ol>
Motor does not work.	<ol style="list-style-type: none"> <li>1) Motor wires loose or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1) Double-check motor wires. Repair/replace as necessary.</li> </ol>
The crawler moves when turned on.	<ol style="list-style-type: none"> <li>1) Throttle Trim is out of adjustment.</li> </ol>	<ol style="list-style-type: none"> <li>1) Adjust throttle trim again</li> </ol>
Steering works, but throttle does not work	<ol style="list-style-type: none"> <li>1) Motor wires are loose or damaged.</li> <li>2) ESC is incorrectly plugged into the receiverslot.</li> </ol>	<ol style="list-style-type: none"> <li>1) Double-check motor wires. Repair/replace as necessary.</li> <li>2) Plug ESC into the receiver slot correctly.</li> </ol>

**PART LIST-1**

**PART NO.: RCL-H001**



**2PCS**

**Front/Rear Drive Dog Bone**

**PART NO.: RCL-H002**



Three colours available:  
Reddish orange , gray silver and dark green **2PCS**  
**Metal Wheel Rim Felly**

**PART NO.: RCL-H003**



**2PCS**

**Front/rear Outdrive Cup(Long)**

**PART NO.: RCL-H004**



**8PCS**

Ball Diameter: 7.8mm  
Screw bolt : 3.5(Diameter)\*20mm(Length)

**Front/rear Link Ball Screw**

**PART NO.: RCL-H005**



**8PCS**

Ball Diameter:5.8

**Shock Ball End**

**PART NO.: RCL-H006**



**10PCS**

Ball Diameter: 7.8mm  
Screw bolt : 3.0(Diameter)\*20mm(Length)

**Front/rear Link Ball Screw**

**PART NO.: RCL-H007**



Shock Bush Size: 9.0mm (Diameter)\* 5.9mm(Height)  
Shock Sleeve Size: 9.0mm (Diameter)\* 5.4mm(Height)

**Shock Bush+ Shock Sleeve**

**PART NO.: RCL-H008**



**2PCS**

**Front/rear Spur Gear Shaft**

**PART NO.: RCL-H009**



**4PCS**

**Front/rear Gear Pin**

**PART NO.: RCL-H010**



**4PCS**

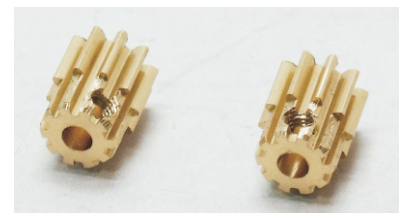
**Motor Wiring Spring Clamp**

**PART NO.: RCL-H011**



**Wheel Hex. / Lock Nut M23**

**PART NO.: RCL-H012**



**2PCS**

**Motor Pinion Gear(10T)**

The images may vary from the actual received parts.



**PART LIST-2**

<p><b>PART NO.: RCL-H013</b></p>  <p><b>4PCS</b></p> <p>Wheel Hex.Pin (2.5*23mm)</p>	<p><b>PART NO.: RCL-H014</b></p>  <p><b>4PCS</b></p> <p>Steering Hub Bush</p>	<p><b>PART NO.: RCL-H015</b></p>  <p><b>2PCS</b></p> <p>Front/Rear Upper Linkage Bar</p>
<p><b>PART NO.: RCL-H016</b></p>  <p><b>2PCS</b></p> <p>Front/Rear Steering Linkage Bar (Long)</p>	<p><b>PART NO.: RCL-H017</b></p>  <p><b>2PCS</b></p> <p>Front/Rear Steering Linkage Bar (Short)</p>	<p><b>PART NO.:3358-H018</b></p>  <p><b>2PCS</b></p> <p>Front/Rear Outdrive (Short)</p>
<p><b>PART NO.: H002</b></p>  <p><b>6PCS</b></p> <p>Lock Nut M3</p>	<p><b>PART NO.: H003A</b></p>  <p><b>6PCS</b></p> <p>Lock Nut M4</p>	<p><b>PART NO.: H008</b></p>  <p><b>6PCS</b></p> <p>Ball Bearing 5*10* 4 (mm)</p>
<p><b>PART NO.: H010</b></p>  <p><b>4PCS</b></p> <p>Ball Bearing 10*19* 5 (mm)</p>	<p><b>PART NO.: H016</b></p>  <p>Ball Diameter: 5.8mm <b>8PCS</b></p> <p>Front/Rear Steering Link Ball</p>	<p><b>PART NO.: H017</b></p>  <p><b>6PCS</b></p> <p>Lock Nut M2.5</p>

The images may vary from the actual received parts.

**PART LIST-3**

<p><b>PART NO.: H020</b></p>  <p><b>12PCS</b></p> <p><b>Body Clip A/B- Big</b></p>	<p><b>PART NO.: H036</b></p>  <p><b>6PCS</b></p> <p><b>Ball Bearing 8*16* 5 (mm)</b></p>	<p><b>PART NO.: RCL-T001</b></p>  <p><b>2PCS</b></p> <p><b>Front/Rear Shock Set + Shock Balls</b></p>
<p><b>PART NO.: RCL-T002</b></p>  <p><b>Front/Rear Spur Gear Complete</b></p>	<p><b>PART NO.:RCL-P001</b></p>  <p><b>Chassis Plate ( L/R)</b></p>	<p><b>PART NO.: RCL-P002</b></p>  <p><b>Battery Tray+Battery Retainer</b></p>
<p><b>PART NO.: RCL-P003</b></p>  <p><b>Radio Tray</b></p>	<p><b>PART NO.: RCL-P004</b></p>  <p><b>Front/Rear Toe Link + Toe Cap (L/R)</b></p>	<p><b>PART NO.: RCL-P005</b></p>  <p><b>Gear Box Mount Plate (L/R)</b></p>
<p><b>PART NO.: RCL-P006</b></p>  <p><b>Front/Rear Axle Assembly</b></p>	<p><b>PART NO.: RCL-P007</b></p>  <p><b>Front/Rear Gear Box Assembly</b></p>	<p><b>PART NO.: RCL-P008</b></p>  <p><b>Front/Rear Mask Bumper</b></p>

The images may vary from the actual received parts.

**PART LIST-4**

**PART NO.: RCL-P009**



**Spur Gear(50T)+Driven Gears**

**PART NO.: RCL-P010**



**4PCS**

**Shock Lower Adjustable Mount**

**PART NO.: RCL-P011**



**Servo Arm+Antenna Retainer+  
Steering Link Mount +Servo Retainer**

**PART NO.: RCL-P013**



**2PCS**

**Front/Rear Steering Hub ( L/R)**

**PART NO.: RCL-P014**



**4PCS**

**Front/Rear Body Post**

**PART NO.: RCL-P015**



**Gear Box Post+Retainer+  
Front/rear Steering Linking Ends**

**PART NO.:RCL-P016**



**2PCS**

**Crawler Tyre+Sponge Insert**

**PART NO.:RCL-P017**



**2PCS**

**Crawler Spoke Rim+Cap**

**PART NO.:RCL-P018**



**2PCS**

**Crawler Wheel Complete**

**PART NO.:RCL-P019**



**Front/rear Upper Linkage  
Retainer+ Linkage Ends**

**PART NO.:RCL-P020**



**Optional Front/Rear Body Post**

The images may vary from the actual received parts.



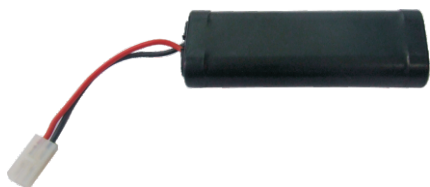
**PART LIST-5**

<p><b>PART NO.: P010</b></p>  <p><b>8PCS</b></p> <p><b>Zip Tie(Big)</b></p>	<p><b>PART NO.: P011</b></p>  <p><b>8PCS</b></p> <p><b>Zip Tie(Small)</b></p>	<p><b>PART NO.: P019</b></p>  <p><b>2PCS</b></p> <p><b>Receiver Antenna Pipe</b></p>
<p><b>PART NO.: P100</b></p>  <p><b>12PCS</b></p> <p><b>Body Post Pad</b></p>	<p><b>PART NO.: P101</b></p>  <p><b>4PCS</b></p> <p><b>Motor Pad</b></p>	<p><b>PART NO.: RCL-H025</b></p>  <p><b>Gear Guard Set</b></p>
<p><b>PART NO.:E012T ( To Front)</b></p>  <p>Front Motor ( Yellow Wiring is to negative, Blue wiring is to positive)</p> <p><b>RC 540 Motor (in black ) + Motor Pad</b></p>	<p><b>PART NO.:E012R( To Rear)</b></p>  <p>Rear Motor ( Blue Wiring is to negative, Yellow wiring is to positive)</p> <p><b>RC 540 Motor (in black ) + Motor Pad</b></p>	<p><b>PART NO.: E020</b></p>  <p><b>Optional use</b></p> <p><b>Charger (America Standard) 500mA-600mA</b></p>
<p><b>PART NO.: E021</b></p>  <p><b>Optional use</b></p> <p><b>Charger (Europe Standard) 500mA-600mA</b></p>	<p><b>PART NO.: E022</b></p>  <p><b>Optional use</b></p> <p><b>Charger (Australia Standard) 500mA-600mA</b></p>	<p><b>PART NO.: E023</b></p>  <p><b>Optional use</b></p> <p><b>Charger (UK Standard) 500mA-600mA</b></p>

The images may vary from the actual received parts.

**PART LIST-6**

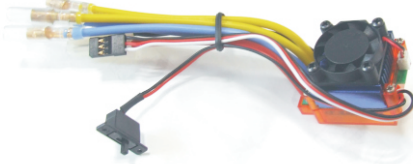
**PART NO.: E032**



7.2V 2000mAh

Ni-Mh Battery Pack

**PART NO.: E401**



High -precision ESC

**PART NO.: RCL-B001**



Rock Crawler Body ( Green)

**PART NO.: RCL-B003**



Rock Crawler Body ( Blue)

**PART NO.:E710**



Receiver(2.4GHz)

**PART NO.: E716**



LCD Radio Controller (2.4GHz)

**PART NO.: E402**



Torque:10kg  
Steering Angle up to 120 degrees  
( left -60 degrees and right- 60 degrees)

Steering Servo (Metal Gear)

**PART NO.: S002**



12PCS

Round Head Self Tapping Screw  
(3\*12mm)

**PART NO.: S010**



12PCS

Countersunk Self Tapping  
Screw ( 3\*12mm)

**PART NO.: S011**



12PCS

Countersunk Self Tapping  
Screw ( 2\*15mm)

**PART NO.: S015**



12PCS

Grub Screw (3\*3-2\*7)

**PART NO.: S016**















12PCS

Grub Screw (M3\*3)

The images may vary from the actual received parts.

**PART LIST-7**

<p><b>PART NO.: S018</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (2.6*8mm)</p>	<p><b>PART NO.: S029</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (2.6*10mm)</p>	<p><b>PART NO.: S030</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (3*10mm)</p>
<p><b>PART NO.: S059</b></p>  <p><b>12PCS</b></p> <p>Round Head Screw (3*8mm)</p>	<p><b>PART NO.: S078</b></p>  <p><b>12PCS</b></p> <p>Grub Screw (M5*4)</p>	<p><b>PART NO.: S085</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (3*15mm)</p>
<p><b>PART NO.: S089</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (2.6*6mm)</p>	<p><b>PART NO.: S090</b></p>  <p><b>12PCS</b></p> <p>Countersunk Self Tapping Screw (3*18mm)</p>	<p><b>PART NO.: S091</b></p>  <p><b>12PCS</b></p> <p>Round Head Screw (2.5*22mm)</p>
<p><b>PART NO.: S092</b></p>  <p><b>12PCS</b></p> <p>Round Head Screw (4*14mm)</p>	<p><b>PART NO.: S093</b></p>  <p><b>12PCS</b></p> <p>Round Head Self Tapping Screw (2*6mm)</p>	<p><b>PART NO.: S094</b></p>  <p><b>12PCS</b></p> <p>Cap Head Hex. Screw (3*6mm)</p>

The images may vary from the actual received parts.



**PART LIST-8**

**PART NO.: S095**



**12PCS**

**Round Head Screw  
(3\*16mm)**

**PART NO.: S096**



**12PCS**

**Round Head Screw  
(3\*24mm)**

**PART NO.: S097**



**12PCS**

**Round Head Self Tapping Screw  
(3\*22mm)**

**PART NO.: T002**



Φ2mm  
Φ2.5mm  
Φ3mm  
Φ4mm

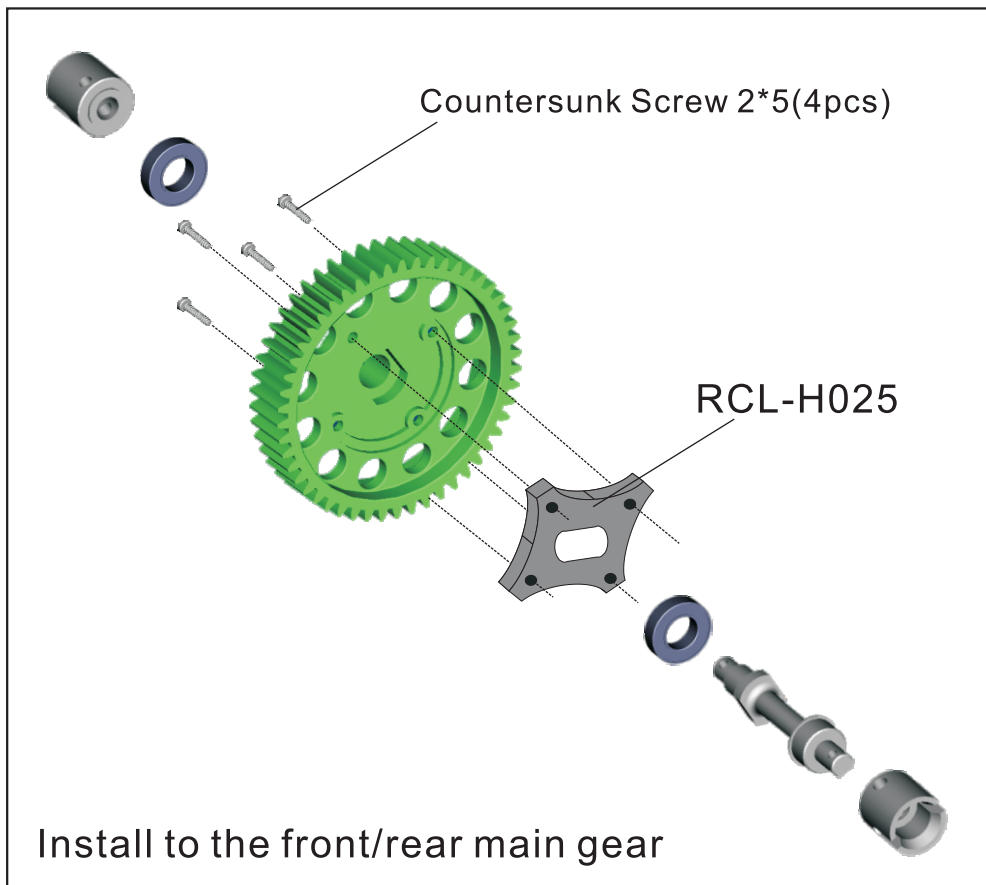
**Small Cross Wrench**

**PART NO.: T004**



Φ23mm

**Cross Wheel Hex. Remover**



The images may vary from the actual received parts.

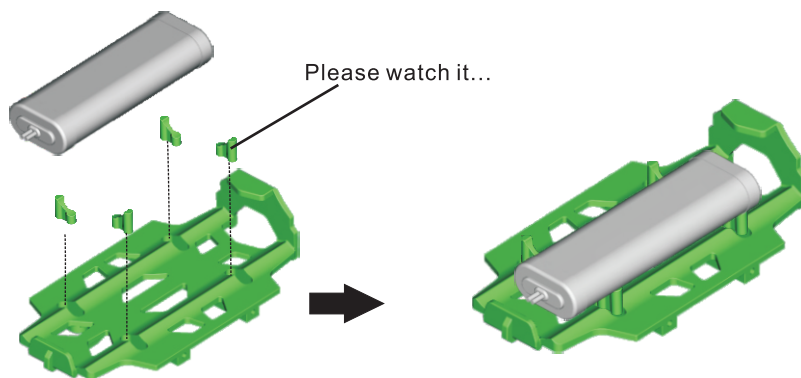
# PART LIST-9

The following are optional parts:

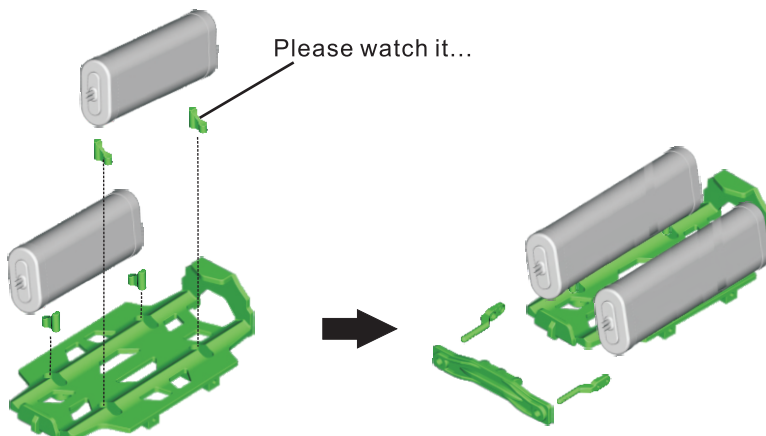
<p><b>PART NO.: RCL-T003</b> Optional use</p> <p>3*24mm 2*12mm 5*6.8*1.3mm Countersunk Self Tapping screw 2*15</p> <p>5*17*0.3 mm 3*10*0.3mm</p> <p><b>Front/rear Diff. Assembly</b></p>	<p><b>PART NO.: RCL-H018</b> Optional use</p> <p>Two colours available: Reddish orange and silver</p> <p><b>8PCS</b></p> <p><b>Front/Rear Toe Link Toe Cap -Metal</b></p>	<p><b>PART NO.: RCL-H019</b> Optional Use</p> <p><b>2PCS</b></p> <p><b>Motor Pinion Gear(8T)</b></p>
<p><b>PART NO.: RCL-H020</b> Optional Use</p> <p><b>2PCS</b></p> <p><b>CVD Universal Shafts</b></p>	<p><b>PART NO.: RCL-P012</b> Optional Use</p> <p>For installing two battery packs</p> <p>Round Head Self Tapping Screw 3*12 (4pcs)</p> <p><b>Battery Mount+Battery Posts +Screws+Body Clips</b></p>	<p><b>PART NO.: E413</b> For installing two battery packs</p> <p><b>Two battery pack adaptor</b></p>

## To install battery pack to your crawler

Installing one battery pack to your crawler



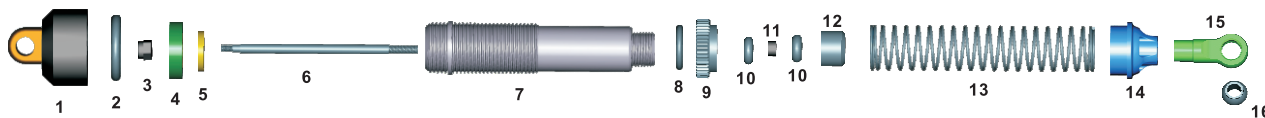
Installing two battery packs to your crawler



The images may vary from the actual received parts.

## Assembly Diagram

### Shock Assembly

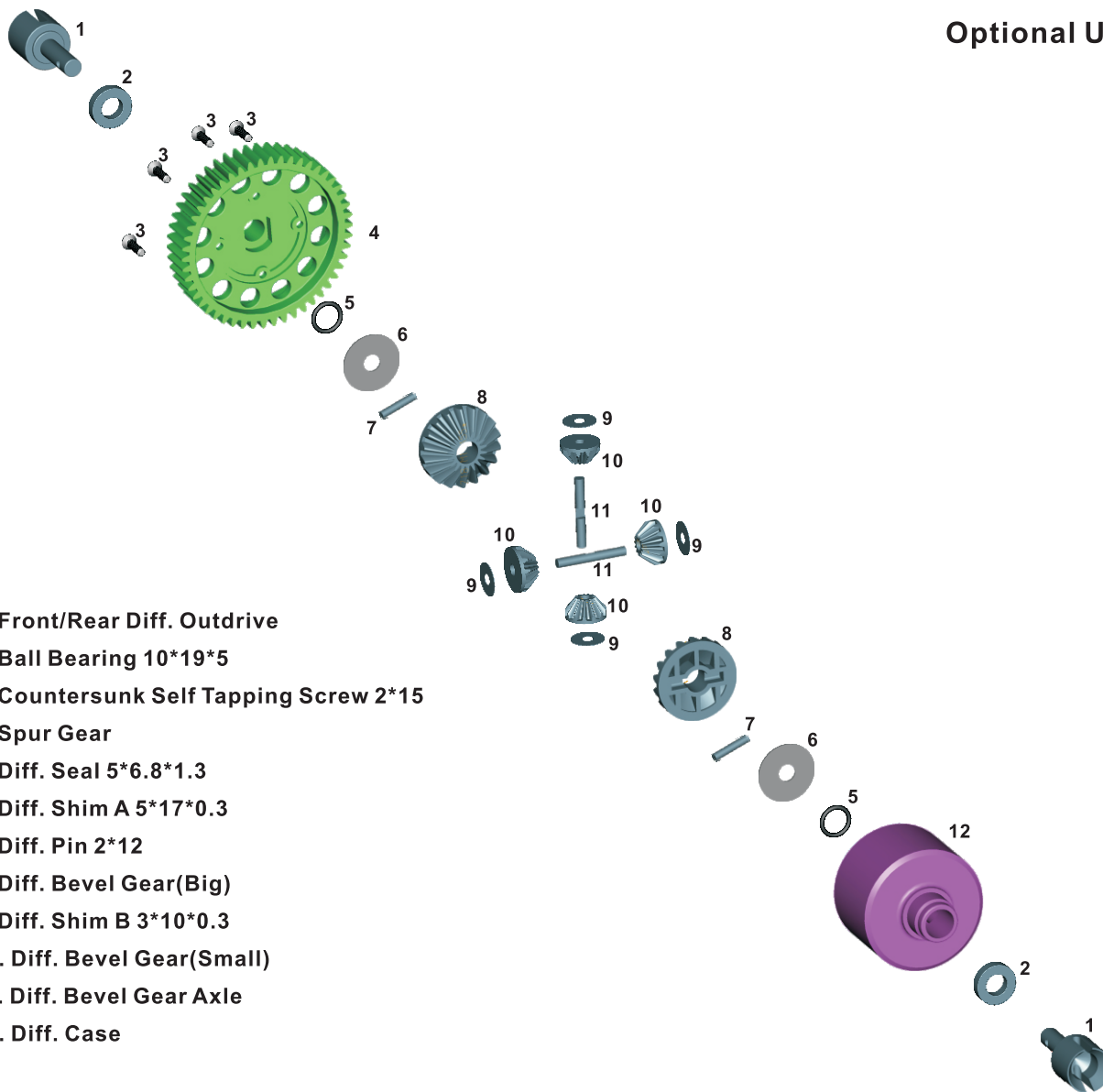


1. Shock Upper Cap
2. Shock Seal (Large)
3. Lock Nut M2.5
4. Shock Piston
5. Shock Copper Bush Insert
6. Shock Shaft

7. Shock Body
8. Shock Adjustable Ring Seal
9. Shock Adjustable Ring
10. Shock Seal (Small)
11. Shock Bush
12. Shock Lower Cap

13. Shock Spring
14. Shock Lower Cap Mount
15. Shock Lower Mount
16. Shock Ball

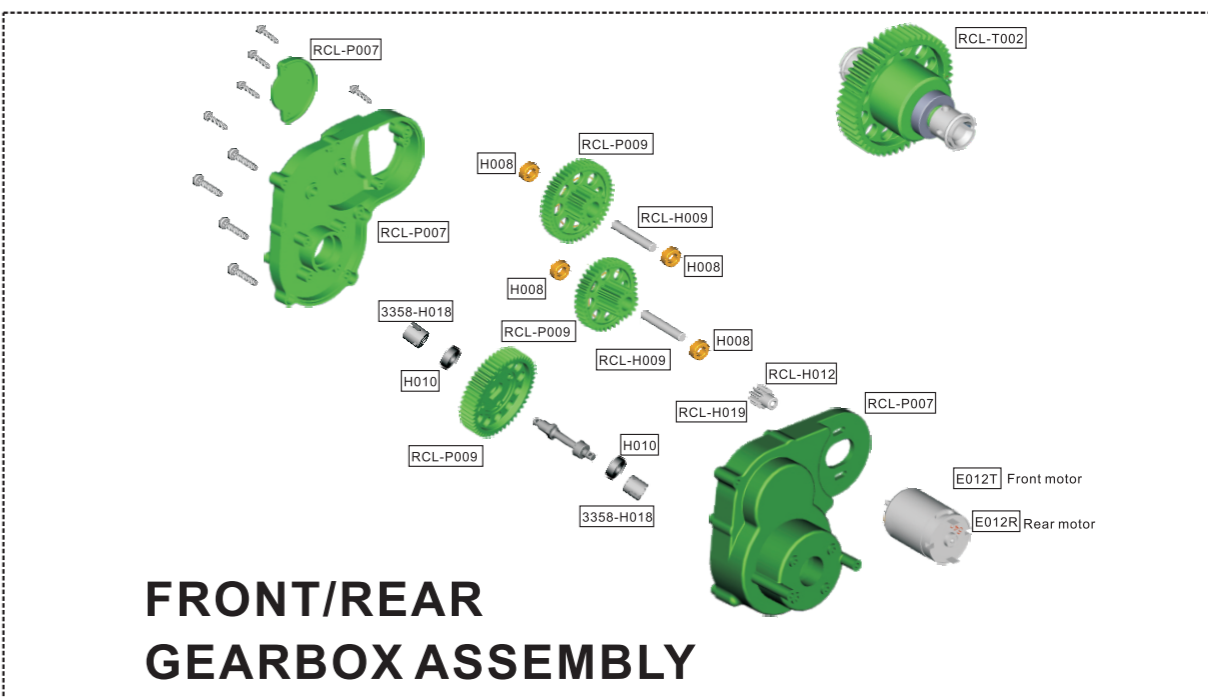
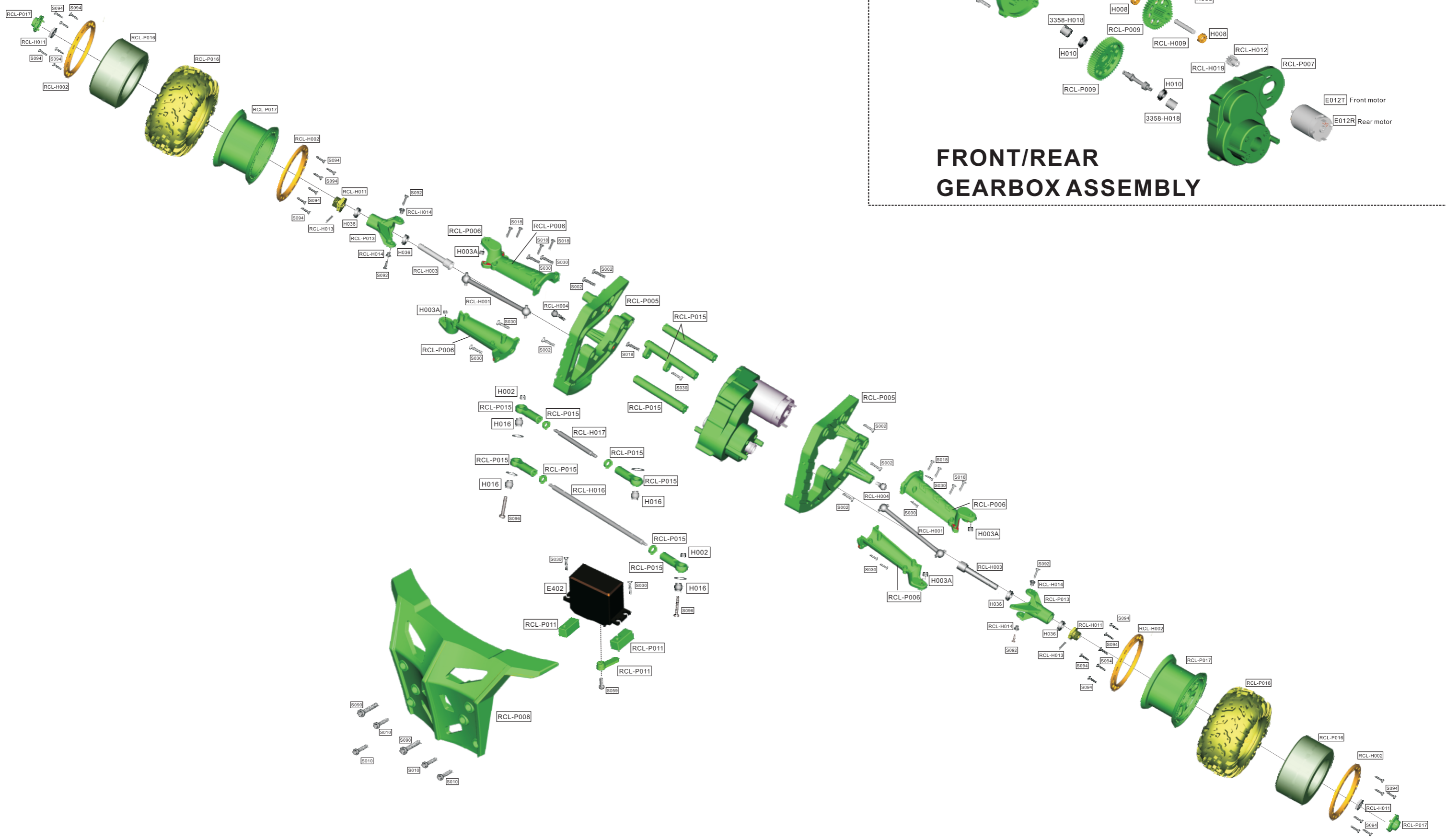
### Front/Rear Diff. Assembly Optional Use



1. Front/Rear Diff. Outdrive
2. Ball Bearing 10\*19\*5
3. Countersunk Self Tapping Screw 2\*15
4. Spur Gear
5. Diff. Seal 5\*6.8\*1.3
6. Diff. Shim A 5\*17\*0.3
7. Diff. Pin 2\*12
8. Diff. Bevel Gear (Big)
9. Diff. Shim B 3\*10\*0.3
10. Diff. Bevel Gear (Small)
11. Diff. Bevel Gear Axle
12. Diff. Case

The images may vary from the actual received parts.

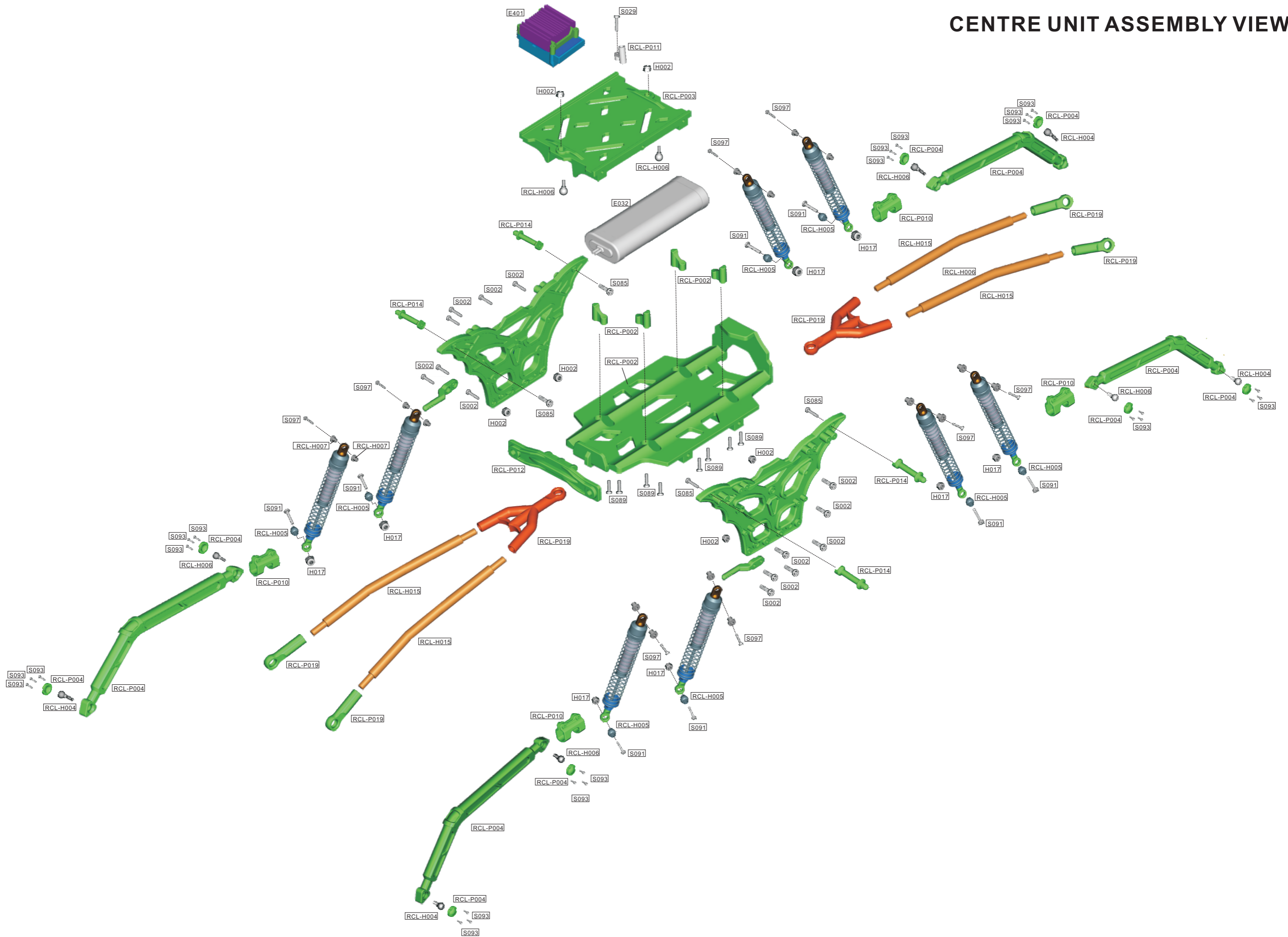




**FRONT/REAR  
GEARBOX ASSEMBLY**

**FRONT/REAR UNIT ASSEMBLY VIEW**

# CENTRE UNIT ASSEMBLY VIEW



- Please read and understand all instructions in the manual before running and assembling or disassembling this product. A novice user should seek help from experienced hobby operators or local hobby shop staff.
- Always disconnect your battery pack before attempting to re-install your radio system.
- Keep away from children when you are assembling or disassembling the vehicle as it contains many small parts that might be dangerous to children.
- Always turn off your radio when it is not in use for a long period of time.
- In order to prevent battery leakage please remove all battery from your radio if not in use.
- Do not share the same frequency with somebody else when they are using RC products. If it is the case, keep away from them. Otherwise, it will cause signal confusion and do damage to your models and/or your body.
- For better radio performance fully extend the antenna on your radio controller.
- Never charge your rechargeable battery pack unattended.
- Always dispose of damaged parts into the recycle center.



## **1/8TH SCALE ROCK CRAWLER**

Thank for purchasing our product.

This product is an authentic controlled vehicle(RC vehicle) and it is not a toy. Read and understand this instruction manual thoroughly before the model. If you are not familiar with RC vehicles, we recommend that you ask RC experts for advice.