

1/10th scale off road standard buggy

**ITEM NO.: 6588**

# ROCKET

1/10th scale off road brushless buggy

**ITEM NO.: 6588A**



## 1/10TH SCALE ELECTRIC POWERED OFF ROAD BUGGY

### ITEM NO.: 6588

THIS DATA IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

LENGTH	WIDTH	HEIGHT	WHEELBASE	GROUND CLEARANCE	WHEEL DIA.	WHEEL WIDTH	MOTOR	GEAR RATIO
405MM	245MM	155MM	275MM	18MM	84MM	34MM (FR.) 40MM (RR.)	RC540	1:8.8

#### MAIN FEATURES:

- FOUR WHEEL DRIVE SYSTEM
- HIGH QUALITY ALUMINUM CENTRE SHAFT
- HIGH QUALITY FRONT / REAR SHAFT
- OIL FILLED ALUMINUM CAPPED SHOCKS
- BALL BEARINGS THROUGHOUT WHOLE VEHICLE

- HIGH PRECISION ESC / QUICK RUN RC540 MOTOR
- FRONT / REAR BUMPER FOR PROTECTION AGAINST COLLISION
- ALUMINUM SUSPENSION ARM AMOUNTS
- HIGH GRIP PERFORMANCE OFF ROAD TYRE
- STYLISH OFF ROAD BODY / SOFT OFF ROAD BUGGY WING

### ITEM NO.: 6588A

THIS DATA IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

LENGTH	WIDTH	HEIGHT	WHEELBASE	GROUND CLEARANCE	WHEEL DIA.	WHEEL WIDTH	MOTOR / ESC	GEAR RATIO
410MM	245MM	155MM	275MM	18MM	84MM	34MM (FR.) 40MM (RR.)	BRUSHLESS	1:8.8

#### MAIN FEATURES:

- FOUR WHEEL DRIVE SYSTEM
- HIGH QUALITY ALUMINUM CENTRE SHAFT
- HIGH QUALITY FRONT / REAR SHAFT
- OIL FILLED ALUMINUM CAPPED SHOCKS / ALUM. SHOCK TOWER
- BALL BEARINGS THROUGHOUT WHOLE VEHICLE

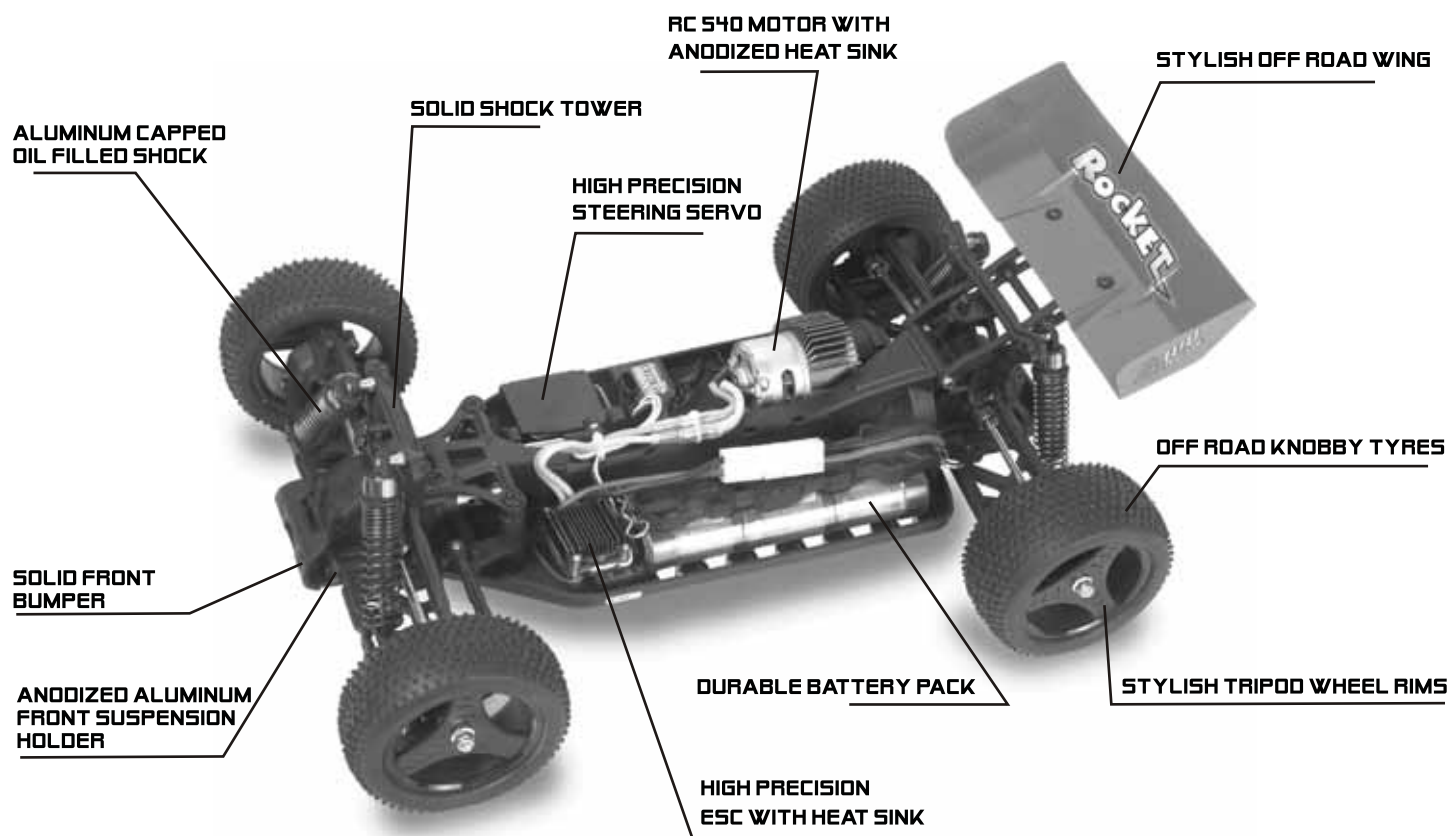
- HIGH PERFORMANCE BRUSHLESS ESC AND BRUSHLESS MOTOR
- FRONT / REAR BUMPER FOR PROTECTION AGAINST COLLISION
- ALUMINUM SUSPENSION ARM AMOUNTS
- HIGH GRIP PERFORMANCE OFF ROAD TYRE
- NEW STYLISH OFF ROAD BODY / SOFT OFF ROAD BUGGY WING

★ Please read this manual carefully before use.

**FULLY ASSEMBLED!**

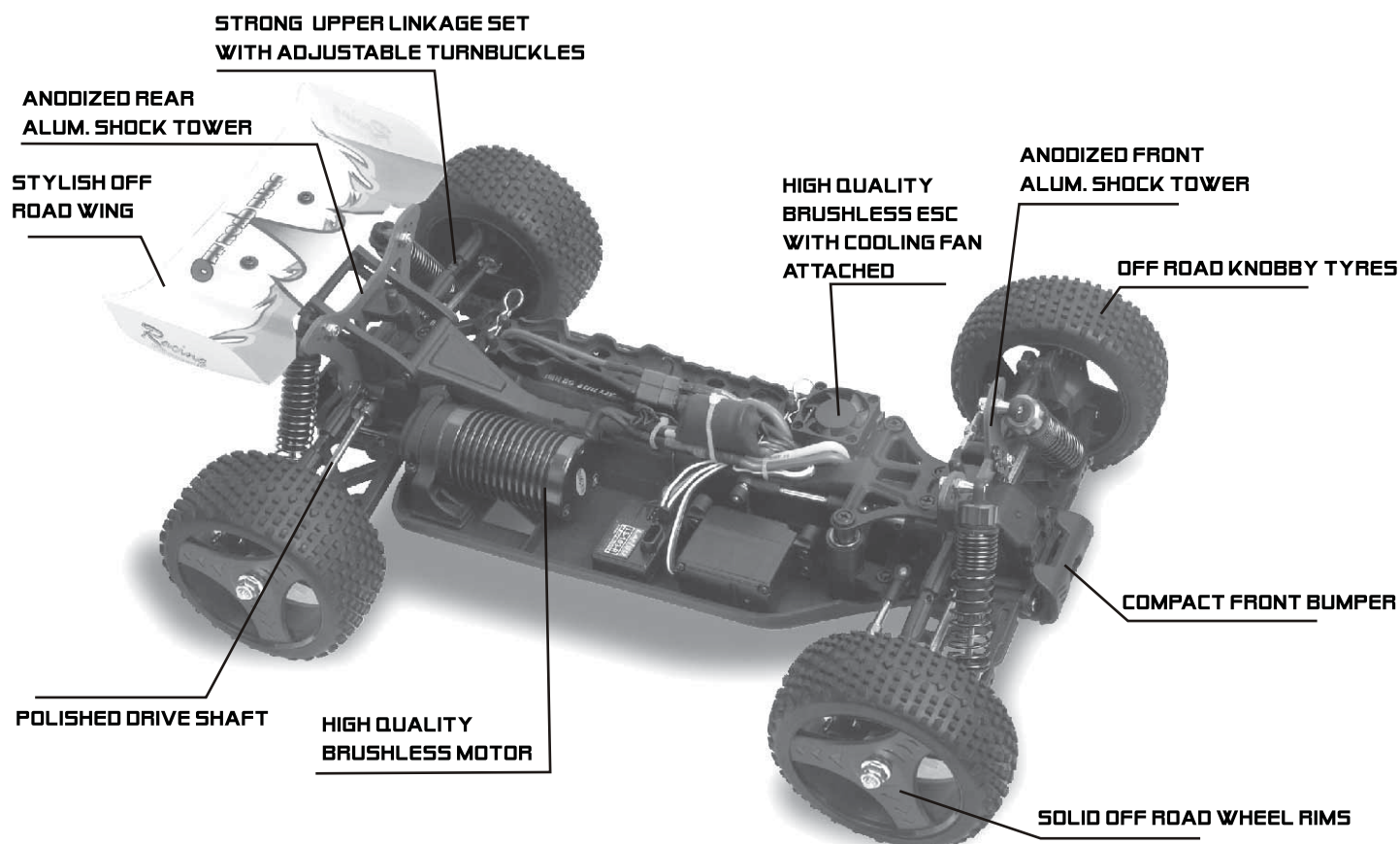
## 1-10TH SCALE OFF ROAD STANDARD BUGGY

ITEM NO.: 6588



## 1-10TH SCALE OFF ROAD BRUSHLESS BUGGY

ITEM NO.: 6588A



## 1.SAFETY INFORMATION

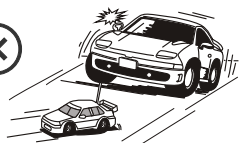
- ★ This product is not a simple toy. It is an authentic R/C model.
- ★ For better performance, some adjustment and correct assembly are necessary.
- ★ Use the battery properly. Incorrect battery will damage your model and/or radio system.
- ★ This product is strongly recommended for the user over 14 ages.
- ★ For safety, observe the following:

### WARNING!

Failure to observe the following will damage your model and/or cause accidents.



Read and understand all instructions.  
We warmly recommend a novice user to get help with experienced operator.



Never operate your model on any public streets. This could cause traffic accidents, personal injury and/or property damage.



Since the model contains many small parts, keep away from children's reach while assembling and/or disassembling.



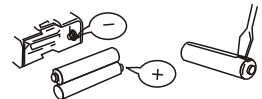
Painting your vehicle body in an open area.



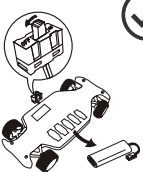
Take care not to cut yourself while applying a knife or a screwdriver to your model.



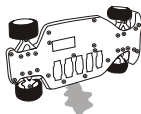
Keep away from someone else using the radio system of the same frequency. Otherwise, it may cause signal confusion.



Incorrect battery insertion could lead to leakage and/or damage.



When turning off your model, always turn off the receiver before turning off the transmitter. Always remove the battery from your vehicle if not in use for a long period of time.

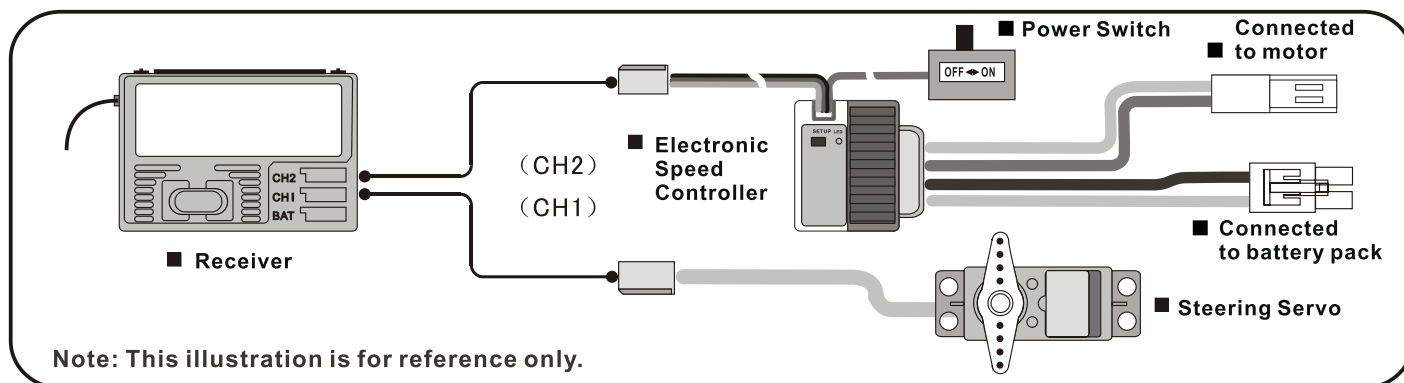


Do not run in water or sand. It may do damage to your car.



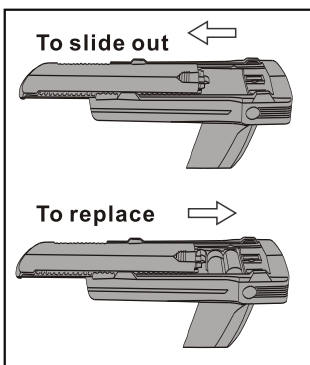
## 2.RADIO SYSTEM DIAGRAM

Please pay close attention to the following diagram while connecting your radio system.



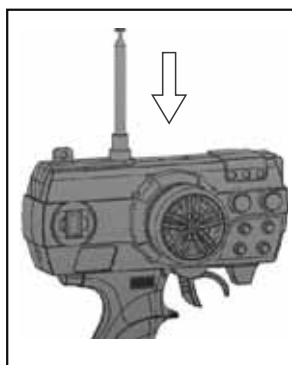
## 3.USE OF TRANSMITTER TO YOUR VEHICLE

This transmitter is an advanced controller for the beginner to be easy to use and tune. You should follow the steps below to ensure the correct usage of your transmitter.



### Preparing your transmitter:

Slide out the battery holding tray to expose the empty battery compartment. Insert eight AA size batteries into the marked spaces. Please note the correct direction of the batteries.



Insert the antenna into the hole and turn clockwise until it is tightly secured. Make sure you never over extend the antenna as this will cause it to break. Fully Extend the antenna for better transmitting performance while driving your vehicle.



### Function Switches On Your Transmitter

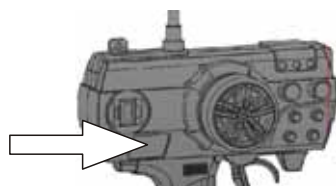
- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Antenna                | 10. Trigger                         |
| 2. Control Wheel          | 11. Throttle Reverse Switch         |
| 3. Power Indicator        | 12. Steering Reverse Switch         |
| 4. Steering Trim          | 13. Hook                            |
| 5. Throttle Trim          | 14. Crystal Slot                    |
| 6. EPA-Right(Steering)    | 15. Charging Socket                 |
| 7. EPA-Left(Steering)     | 16. Power Switch                    |
| 8. EPA-Forward(Throttle)  | 17. Steering Dual Rate Control Dial |
| 9. EPA-Backward(Throttle) | 18. Battery Compartment             |

### NOTES:

1. Please use batteries of same types. Never mix new and old batteries.
2. Please remove batteries from the compartment if not in use a long period of time.
3. Incorrect battery installment will cause leak. Dispose of exhausted batteries into a recycle bin.
4. Verify that you should use the crystals of same frequency for your transmitter and receiver.
5. Please clean the rust and/or the dirt with a knife if they are founded on the battery contacts.
6. You can charge your rechargeable batteries by using a matched charger(DC9.6V 250mA). Insert the charger plug into transmitter charging slot to charge . Switch off transmitter power first before performing charging. Never charge your batteries unattended.

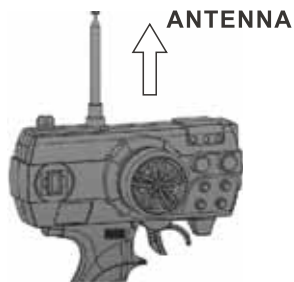
## 4. GENERAL USAGE OF YOUR TRANSMITTER

### TO POWER ON YOUR TRANSMITTER



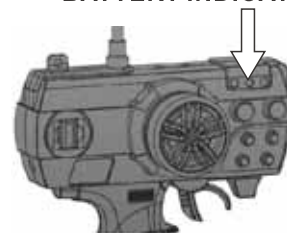
**POWER SWITCH**

Switch on the power.



**ANTENNA**

Fully extend the antenna for better receiving performance.

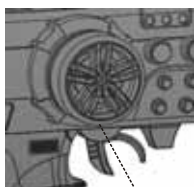


**BATTERY INDICATORS**

Always check battery level. You may lose of control of your vehicle at the weak power.

### TO DRIVE FORWARDS/BACKWARDS

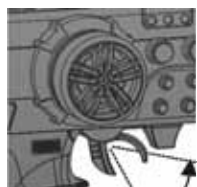
#### TRIGGER AT NEUTRAL



**NEUTRAL**

Vehicle stops when trigger is set at Neutral.

#### PUSH TRIGGER FORWARD

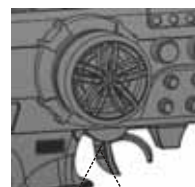


**FORWARD (OUTWARD)**

**NEUTRAL**

Push the trigger forward(outward) to brake your vehicle.

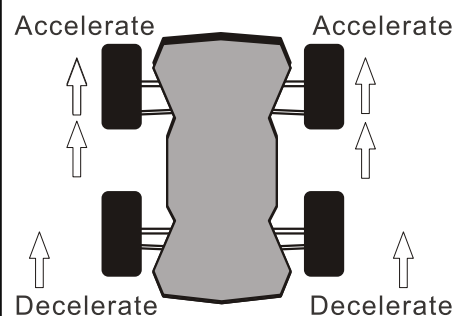
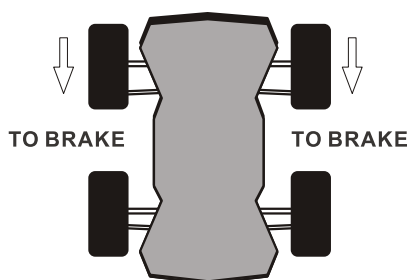
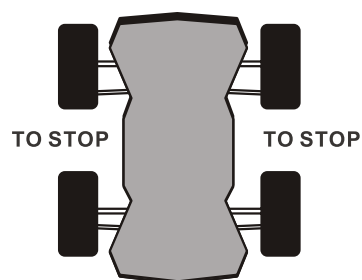
#### PULL TRIGGER BACKWARD



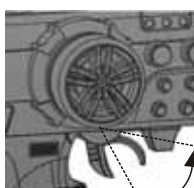
**BACKWARD (INWARD)**

**NEUTRAL**

Pull the trigger backward(inward) to allow your vehicle to accelerate. For top speed pull back to end. In the course of returning the trigger to Neutral, the vehicle will decelerate.



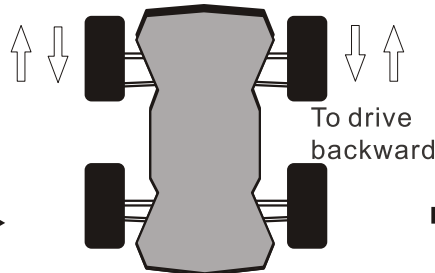
#### TO ACTIVATE THE FUNCTION OF DRIVING REVERSE.



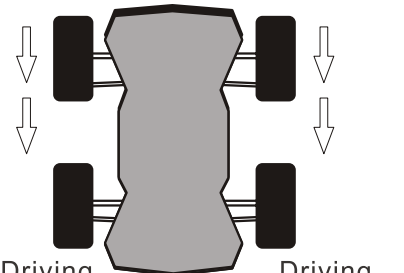
**FORWARD (OUTWARD)**

**NEUTRAL**

To drive backward return the trigger to Neutral and then push the trigger forwards again.



The vehicle needs a break period from driving forward to backward. This requires you to return the trigger to Neutral first.

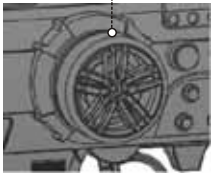


To Push the trigger at the second time permits your vehicle to go backwards.

## STEERING YOUR VEHICLE

### CONTROL WHEEL AT NEUTRAL

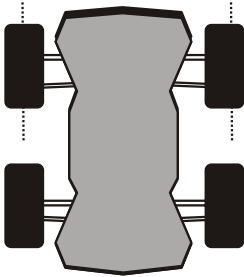
NEUTRAL



If you leave the control wheel unattached at Neutral, your vehicle will drive aligned in line.

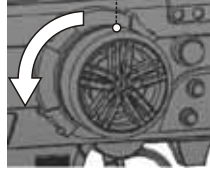


Running in line      Running in line



### TURN CONTROL WHEEL LEFT

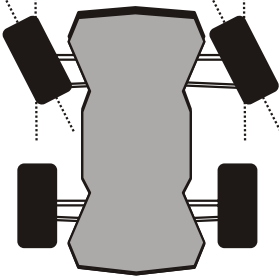
LEFT      NEUTRAL



In Steering Nov. Position:  
Turn the control wheel left to permit your vehicle to turn to the left.

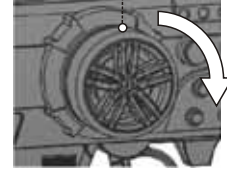


To turn left      To turn left



### TURN CONTROL WHEEL RIGHT

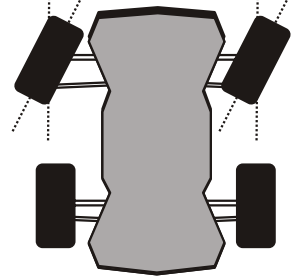
NEUTRAL      RIGHT



In Steering Nov. Position:  
Turn the control wheel right to permit your vehicle to turn to the right.

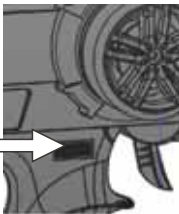


To turn right      To turn right



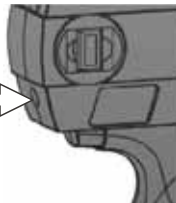
## STEERING DUAL RATE/EPA ADJUSTMENT/TRIM DIALS...

Steering Dual  
Rate Control  
Dial



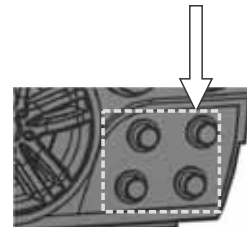
This dial adjusts the overall travel of the steering servo. Push the dial forward for maximum steering. Pull the dial back to reduce the steering level.

CHARGING  
SOCKET



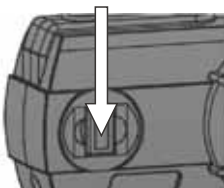
It should be used only for rechargeable batteries. Use the specified charger (DC9.6V, 250MA) only. Do not overcharge over 4-5hours. Never charge the batteries unattached.

### EPA ADJUSTMENT SWITCHES



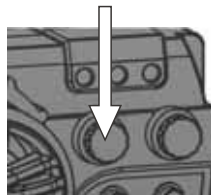
These switches are for you to perform EPA adjustment for your vehicle. Turn it clockwise to increase and turn it anti-clockwise to decrease.

### CRYSTAL SLOT



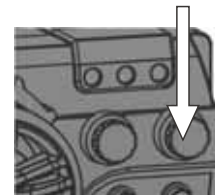
This is the frequency crystal of the transmitter. You can change crystals in both the transmitter and the receiver so that you and your friends can drive at the same time.

### STEERING TRIM DIAL



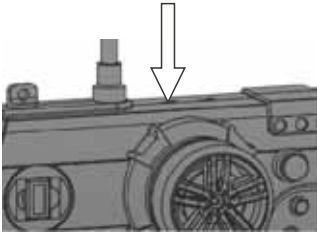
Steering Trim is to fine tune the servos' centre. To make some steering trim adjustment.

### THROTTLE TRIM DIAL

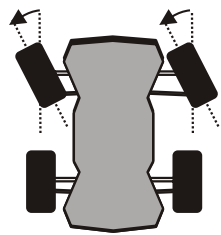


Throttle Trim is to set the throttles' neutral point. To make some throttle trim adjustment.

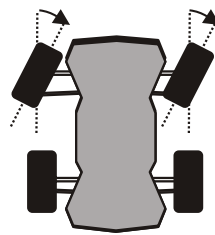
## STEERING REVERSE SWITCH



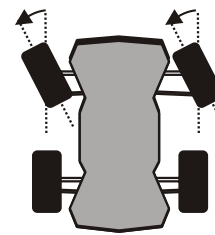
Steering Reverse Switch is to change the direction of the steering servo. It will permit your steering reverse operation to your vehicle.



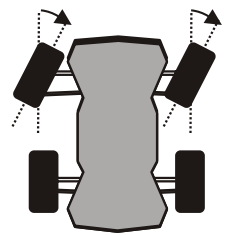
Steering Direction

Control Wheel  
(Normal Mode)

Steering Direction

Control Wheel  
(Normal Mode)

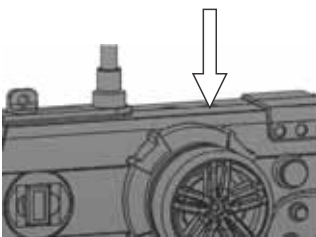
Steering Direction

Control Wheel  
(Reverse Mode)

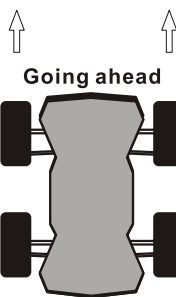
Steering Direction

Control Wheel  
(Reverse Mode)

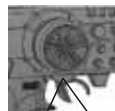
## THROTTLE REVERSE SWITCH



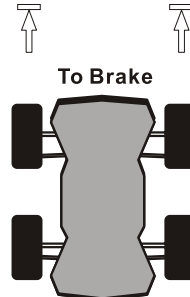
Throttle Reverse Switch is to change the throttle operate. It will permit the throttle reverse operation to your vehicle.



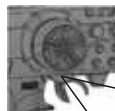
Going ahead



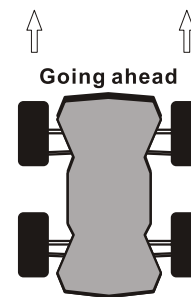
To pull back Neutral

Throttle Trigger  
(Normal Mode)

To Brake



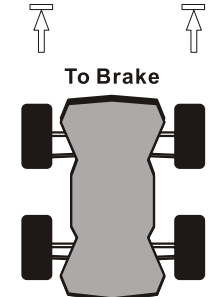
To push Neutral

Throttle Trigger  
(Normal Mode)

Going ahead



To push Neutral

Throttle Trigger  
(Reverse Mode)

To Brake



To pull back Neutral

Throttle Trigger  
(Reverse Mode)

## 5. Installing radio components to your vehicle

## 1. To install the servo

Install the servo arm to your servo by using one round head self tapping screw (2.6\*8). Install the servo mount to your servo by using four round head self tapping screws (3\*8). Then lock your servo to chassis by using two countersunk head self tapping screws (3\*10).



round head self tapping screw 3\*8 round head self tapping screw 2.6\*8



round head self tapping screw 3\*8

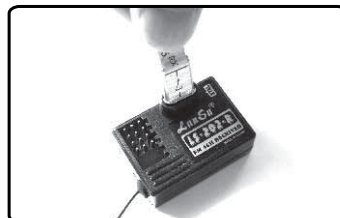


countersunk head self tapping screw 3\*10

Servo

## 2. To Install the receiver

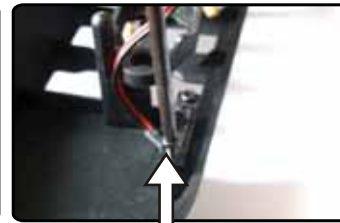
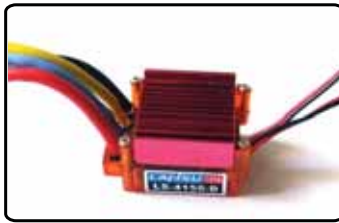
Insert the crystal into receiver slot first, stick a piece of double-side adhesive tape on the bottom of receiver, and then attach the receiver in place to your vehicle.



Receiver

### 3. To install Electronic Speed Controller(ESC)

The ESC has been connected with the power switch.  
Install the power switch to the chassis by using two round head self tapping screws (2\*6).  
Then attach ESC to chassis by using adhesive tape.



Power Switch



ESC

### 4. To check all connections

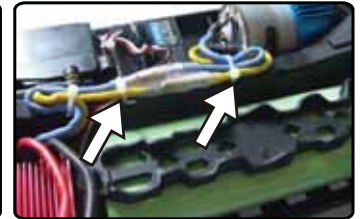
Please check all connections and pack them up carefully. Some connectors are prone to come away and this requires you to check in time.



Slide the receiver antenna through the antenna retainer



Connect the motor with your ESC



Secure all connections by using zip ties

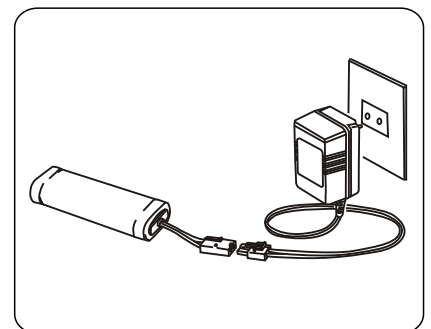
## 6. Charging your rechargeable battery pack for your vehicle



### WARNING

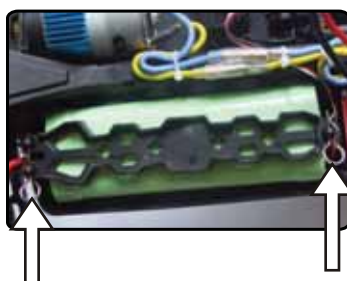
*Never tempt to use this charger to charge the batteries of your transmitter.*

- 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.



## 7. Preparation before driving your vehicle

### 1. Install the battery pack to your vehicle.



- Install the battery then secure it by using the clips.

Two kinds of clips are required  
(See Part List)  
Part No.: H20      Part No.: H155



### 2. Connect your radio system



-Connect your battery to ESC

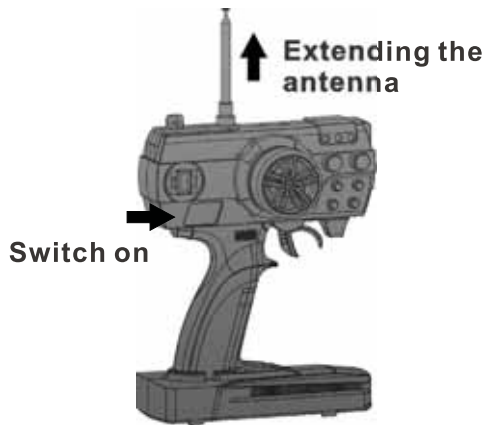


-Insert ESC connector into Channel 2 slot of your receiver

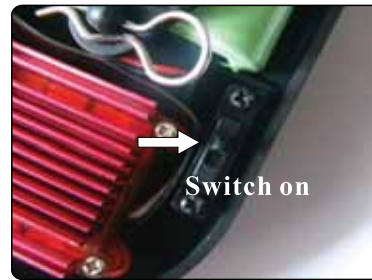


-Insert Servo connector into Channel 1 slot of your receiver

### 3. Turn on your transmitter.

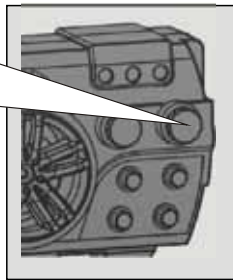


### 4. Turn on the power switch on your vehicle.

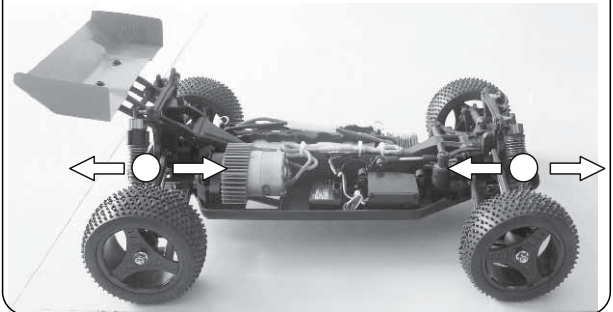


### 5. Throttle Trim Dial Adjustment

To fine tune the throttle's neutral point turn the throttle trim dial.



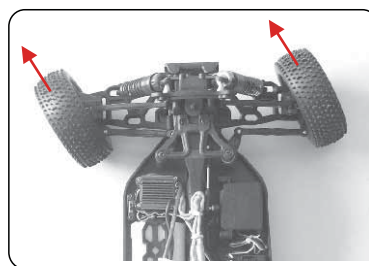
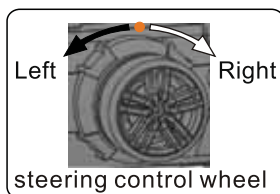
The wheels begin to move.



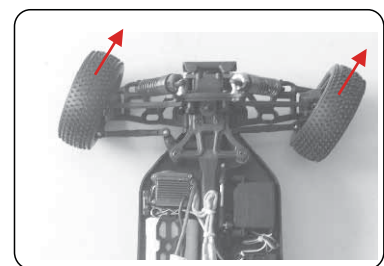
While the wheels begin to move, gently turn the throttle trim dial until no chirr sound will be heard on ESC.

### 6. Checking Steering Response

- Turn the steering control wheel to the right and your model turns right.
- Turn the steering control wheel to the left and your model turns left.



The front wheels point left.

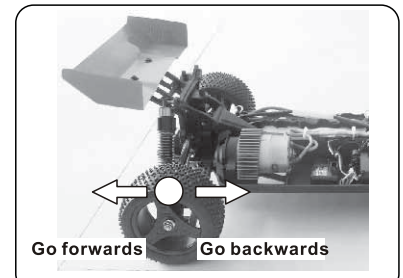
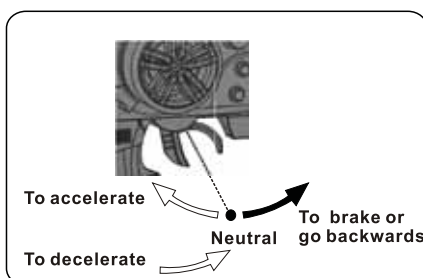


The front wheels point right.

The turning angle of the front wheels is subject to change in response to different turning angles on the steering control wheel of your transmitter.

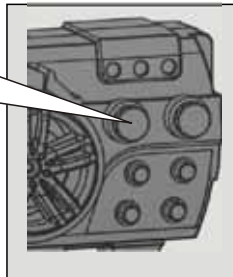
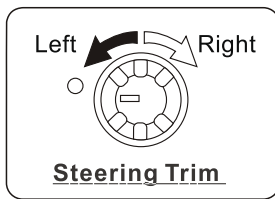
### 7. Checking Trigger Control

- Pull the trigger back to accelerate, release it to decelerate, and push it to brake.
- Return the trigger to Neutral and then push it at a second time to permit your car to go backwards.
- To stop running your vehicle leave the trigger unattached at Neutral.

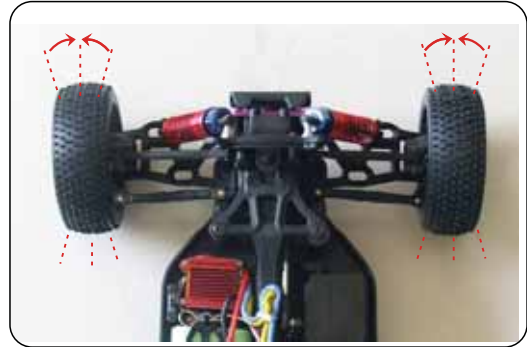


## 8. Adjusting Steering Trim Dial

To keep the front wheels aligned turn the steering trim dial.



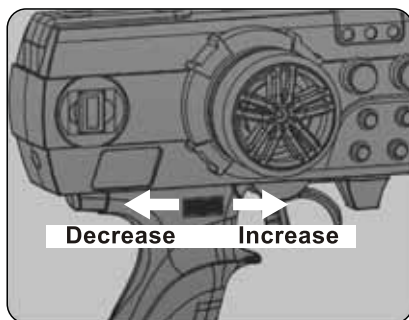
The front wheels are aligned.



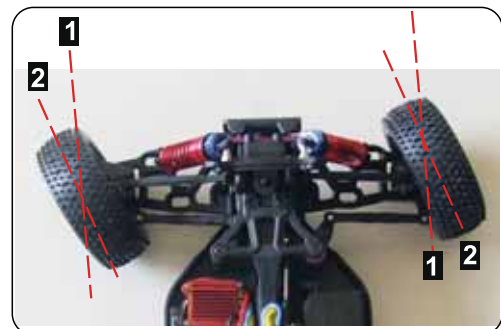
To allow the front wheel to point straight turn the steering trim dial gently whilst decelerating your car.

## 9. Tuning the steering dual rate dial

Turn the front wheel at a free angle before you tempt to tune the Steering Dual Rate Control Dial.



- This dial adjusts the overall travel of the steering servo. Push the dial forward for maximum steering. Pull the dial back to reduce the steering level.
- Set the Steering Dual Rate Control Dial to Minimum first. To set the desired steering level increase it again whilst decelerating your vehicle.



- 1.Low Steering Level
- 2.High Steering Level

## 8. To Stop running your vehicle

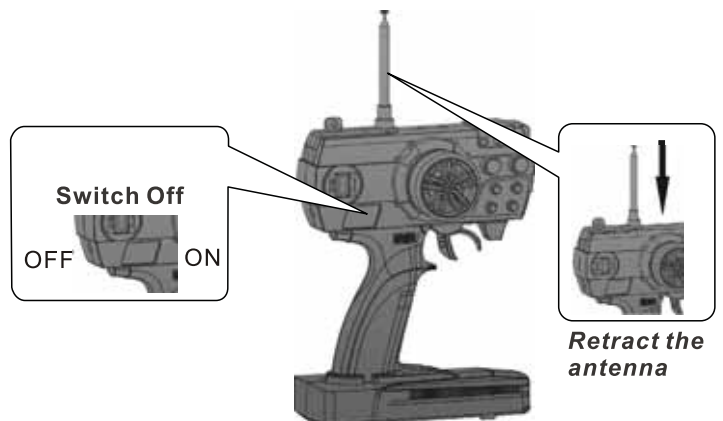


**Note:** To stop running your vehicle you should turn off the power switch on your vehicle then turn off the transmitter. Remove the battery pack and store it away from the reach of children.

1. Turn off the power switch on your vehicle.



2. Turn off your transmitter.



### 3. Remove the battery pack

Remove the battery pack from your vehicle if not in use for a long period of time. Store it separately.

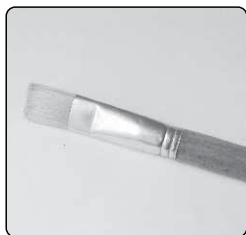


### 4. Check all parts

Check all parts and make due maintenance and/or replacement if necessary.



### 5. Maintenance



Clean all dust out with a soft brush and dry your car off with a soft cloth. →

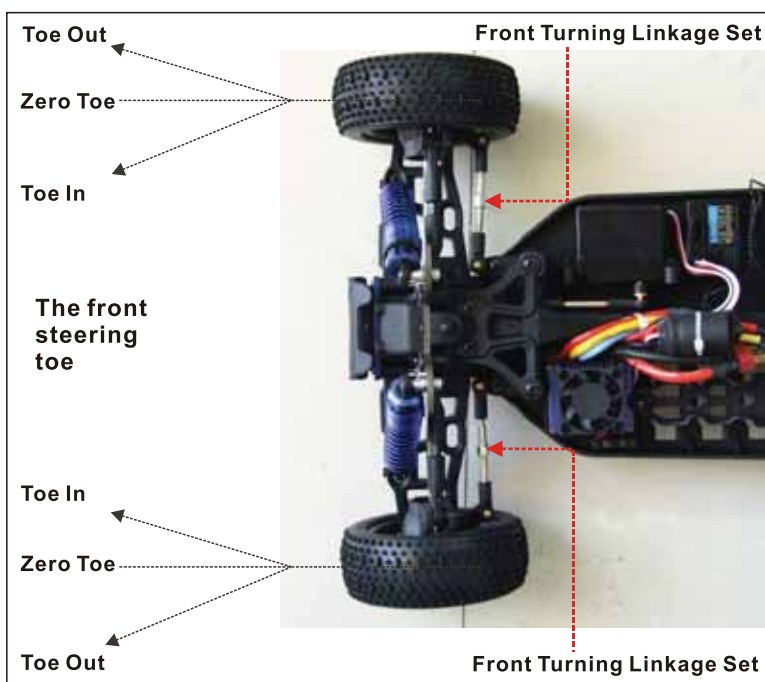


## 9. To tune your vehicle

Your model can be customized to enhance speed and performance. Simple adjustment and easily maintained setting will assure optimum operation and performance. When making adjustments, do so only in small increments and always check for other parts of the vehicle that are affected. Many after market options are available to make your R/C vehicle faster and stronger. Please read the section carefully and it always make sure you write down your base settings in case you need to refer to them at a later date.

#### Front steering toe angle

The front steering toe angle has a dramatic on how your car performs and how your tires wear. You can have toe-in, zero toe or toe-out. This can be adjusted by turning the front turning linkage set with an adjustable wrench.



(OPTIONAL PART)

ITEM NO.:3378-T003  
Front Adjustable Turning Linkage Assembly

Toe-in will be less reactive and cause the vehicle to under steer(the front wheels push straight on while turning).

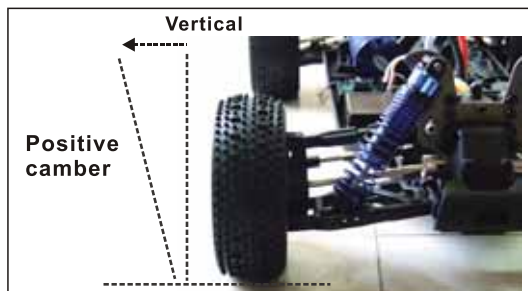
This can be advantageous for operators struggling to get to grips with the driving of the vehicle.

Toe-out will be more aggressive on the steering response especially on small steering inputs. This will make the car want to over steer(rear wheels slide on small steering inputs).This is useful as a race tuning aid to gain extra steering.

Zero toe will make the front wheels run straight and make the car very neutral. Tire wear will also be reduced and the vehicle will feel easier to drive.

## Camber Adjustment

Camber can be adjusted on all 4 wheels of the car. You can have negative camber or positive camber which will affect the contact patch of the tire both statically and while cornering. Camber is mainly used to control the wear of the tire. You should adjust the camber to equal the wear all across the surface of the tire. Camber is adjusted by the upper link turnbuckle linking the wheel to the chassis front and rear.



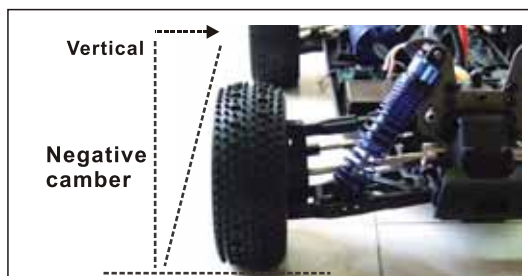
(OPTIONAL PART)  
ITEM NO.:6588-T003  
Front Upper Adjustable  
Linkage Set Assembly



(OPTIONAL PART)  
ITEM NO.:6588-T004  
Rear Upper Adjustable  
Linkage Set Assembly

This is an example of positive camber.

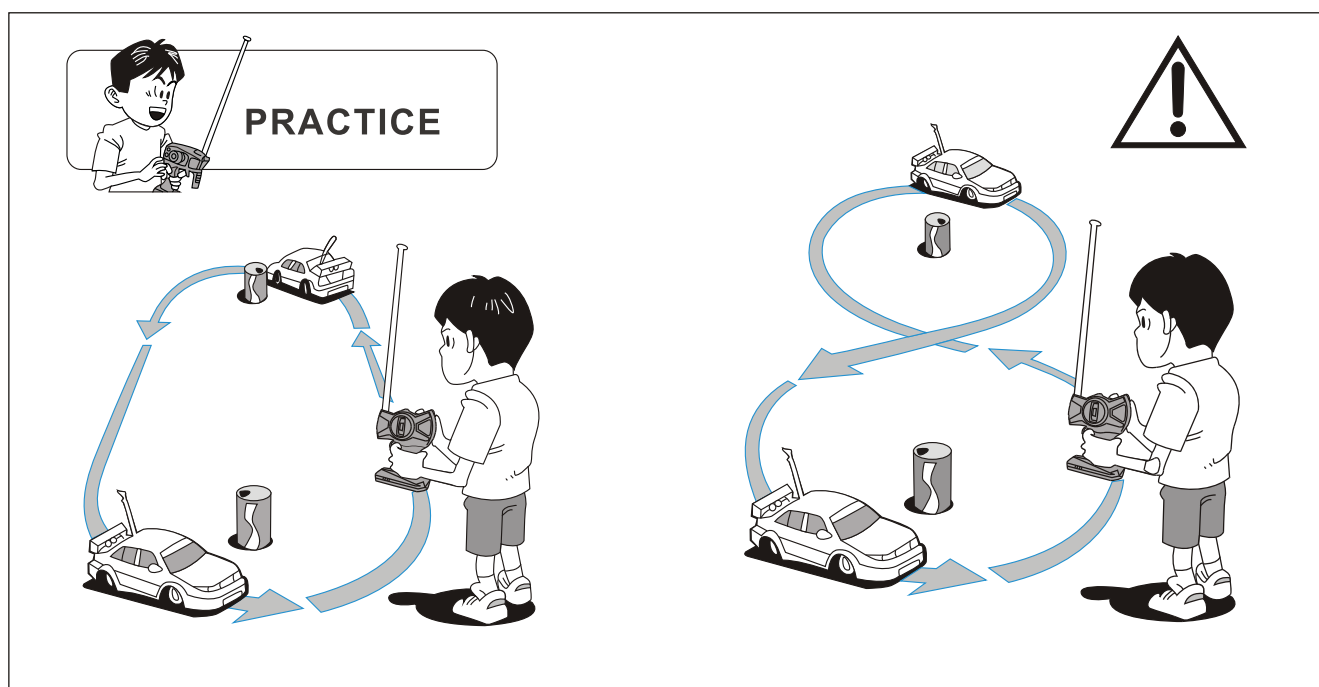
This is when the bottom of the wheel is closer to the centre of the car compared to the top of the wheel. Positive camber will give less contact area in the corner and less grip. Excessive amounts will cause less grip and uneven wear.



This is an example of negative camber.

This is when the top of the wheel is closer to the centre of the car compared to the bottom of the wheel. Negative camber will give more contact area in the corner and more grip. Excessive amounts will cause less grip and uneven wear.

## 10. Driving Practice



Once you become conformable driving the vehicle, perform driving practice on the tracks as shown in the figure.

Keep practising until you feel comfortable with the steering, throttle and brake at low speeds. Once you are feeling comfortable try operating on another track.

When you have mastered the basics you will be able to drive at higher speeds in a more controlled fashion.

## 11. Troubleshooting

Problem	Cause	Remedy
The vehicle does not move.	1)Transmitter or receiver is off. 2)Batteries are not placed correctly in the transmitter. 3) The battery pack is not charged enough.	1)Turn on both the transmitter and receiver. 2)Place batteries in the transmitter properly. 3) Charge the battery pack.
The vehicle does not follow your driving inputs.	1)Transmitter or receiver is off. 2)Transmitter or receiver antenna is not fully extended. 3) Some one else is using the same frequency as you.	1)Turn on both the transmitter and receiver. 2)Fully extend both antenna. 3) Change your frequency crystals.
Operating range is short.	1)Transmitter antenna is retracted. 2)Receiver antenna is not extended. 3) Receiver antenna is cut off. 4) Transmitter and/or receiver batteries are low. 5) Receiver battery is low.	1)Extend transmitter antenna fully. 2)Extend receiver antenna fully. 3) Contact your local distributor for repair. 4) Replace/recharge transmitter and/or receiver batteries. 5) Recharge receiver batteries.
Motor does not work.	1)Motor wires loose or damaged. 2) Receiver battery is weak.	1)Double-check motor wires. Repair/replace as necessary. 2) Recharge receiver batteries.

# PART LIST-1

<b>6588-H001</b>  L=approx.186.7mm Centre Dogbone	<b>6588-H002</b>  Motor Bottom Mount (Locking motor to chassis)	<b>6588-H003</b>  Alum. Front Lower Suspension Mount-Outside Alum. Rear Lower Suspension Mount-Inside	<b>3378-H004</b>  L=79.9mm 2PCS Front/Rear Dogbone
<b>3378-H005</b>  2PCS Front Wheel Shaft	<b>3378-H006</b>  4PCS Steering Hub Bolt+Bush	<b>6538-H006</b>  2PCS Front/rear Diff. Outdrive	<b>6538-H007</b>  Front Diff. Pinion Gear Shaft+E-clip(2mm)
<b>6538-H008</b>  5*8*0.3 5*12*1.2 Rear Diff. Pinion Gear Shaft+E-clip(2mm)+ Gear Gaskets	<b>6538-H009</b>  Motor Mount Plate	<b>6538-H010</b>  2PCS Centre Outdrive (Centre Front/Centre Rear)	<b>6538-H014</b>  L=51.6mm 2PCS Front/rear Lower Arm Inside Hinge Pin+ E-clip(2mm)
<b>6538-H015</b>  L=28.3mm 2PCS Front Lower Arm Outside Hinge Pin+E-clip(2mm)	<b>6538-H016</b>  L=32.4mm 2PCS Rear Lower Arm Outside Hinge Pin+E-clip(2mm)	<b>6538-H017</b>  2PCS Steering Post	<b>6538-H019</b>  2PCS Rear Wheel Shaft
<b>3338-H025</b>  2PCS Steering Ackerman Plate Bush	<b>6588-T001</b>  Front/rear Diff. Complete	<b>6588-T002</b>  Steering Bush Set-B	<b>3338-T001</b>  Height:11mm Height:8mm 2PCS Front Aluminum Capped Shocks+Clasps(Two Pairs)

The images may vary from the actual received parts.

## PART LIST-2

<p><b>3338-T011</b></p> <p>2*10mm    2.5*22mm    5*6.8*1.3mm</p>  <p>5*17*0.3mm 2.5*10*0.3mm</p> <p><b>Diff. Pinions+Pins+Shims+Seals+ Case Assembly</b></p>	<p><b>6558-T001</b></p>  <p>Height:11mm    Height:8mm</p> <p><b>2PCS</b></p> <p><b>Rear Aluminum Capped Shocks+Clasps(Two Pairs)</b></p>	<p><b>6538-T006</b></p>  <p><b>Servo Linkage Set</b></p>	<p><b>3338-P011</b></p>  <p><b>Front/rear Bulkhead</b></p>
<p><b>6588-P001</b></p>  <p><b>Chassis</b></p>	<p><b>6588-P002</b></p>  <p><b>Upper Deck</b></p>	<p><b>6588-P003</b></p>  <p><b>Front Shock Tower</b></p> <p><b>6588-P004</b></p>  <p><b>Rear Shock Tower</b></p>	<p><b>6588-P005</b></p>  <p><b>Battery Retainer+ Posts</b></p>
<p><b>6588-P006</b></p>  <p>Front: L= Approx.69.7mm</p> <p>Rear: L= Approx.74mm</p> <p><b>4pc/ per set</b></p> <p><b>Front /Rear Upper Arm</b></p>	<p><b>6588-P007</b></p> <p>L= Approx. 68.3mm</p>  <p><b>2PCS</b></p> <p><b>Front Turning Linkage Set</b></p>	<p><b>6588-P008</b></p>  <p><b>Diff. Large gear(38T) + Diff. Pinion(13T) + Large Bevel Gear ( 18T) +Small Bevel Gear(9T)</b></p>	<p><b>6588-P009A</b></p>  <p><b>Spur Gear (69T)</b></p> <p><b>6588-P009B</b></p>  <p><b>Motor Mount+Seal</b></p>
<p><b>6588-P010</b></p>  <p><b>Spur Gear Guard Set</b></p>	<p><b>6588-P011</b></p>  <p><b>Steering Ackerman Plate + Steering Bush Set-A + Bushes</b></p>	<p><b>6588-P012</b></p>  <p><b>Servo Retainer + Servo Arm</b></p>	<p><b>6588-P013</b></p>  <p><b>2PCS</b></p> <p><b>Off Road Pin Tyre ( Front)</b></p>
<p><b>6588-P014</b></p>  <p><b>2PCS</b></p> <p><b>Off Road Pin Tyre ( Rear)</b></p>	<p><b>6588-P015</b></p>  <p><b>2PCS</b></p> <p><b>Off Road Rim( Front)</b></p>	<p><b>6588-P016</b></p>  <p><b>2PCS</b></p> <p><b>Off Road Rim( Rear)</b></p>	<p><b>6588-P017</b></p>  <p><b>2PCS</b></p> <p><b>Wheel Complete(Front)</b></p>

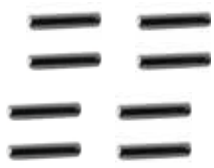








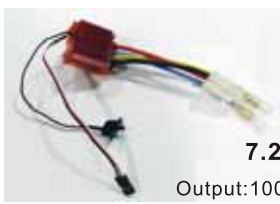





The images may vary from the actual received parts.

# **PART LIST-3**

<b>6588-P018</b>  <b>2PCS</b> <b>Wheel Complete(Rear)</b>	<b>3378-P001</b>  <b>Front/ Rear Bumper</b>	<b>3378-P008</b>  <b>2PCS</b> <b>Front Lower Arm</b>	<b>3378-P009</b>  <b>2PCS</b> <b>Rear Lower Arm</b>
<b>3378-P010</b>  <b>2PCS</b> <b>Front Steering Hub(L/R)</b>	<b>3378-P011</b>  <b>2PCS</b> <b>Front Upright (L/R)+Bush</b>	<b>3378-P012</b>  <b>2PCS</b> <b>Rear Upright (L/R)</b>	<b>3378-P017</b>  <b>Front Body Post +Rear Body Post +Post Pads</b>
<b>3338-P009</b> <b>Front</b>  <b>Rear</b>  <b>Front Lower Suspension Mount-Inside Rear Lower Suspension Mount-Outside</b>	<b>3378-P023</b>  <b>Wing Post/Wing Mount/ Wing Stay/Wing Retainer</b>	<b>H001</b>  <b>8PCS</b> <b>Shock Ball <math>\phi 4.8</math></b>	<b>H002</b>  <b>6PCS</b> <b>Lock Nut M3</b>
<b>H003</b>  <b>6PCS</b> <b>Flange Lock Nut M4</b>	<b>H007</b>  <b>6PCS</b> <b>Ball Bearing 5*11*4</b>	<b>H009</b>  <b>4PCS</b> <b>Ball Bearing 10*15*4</b>	<b>H013</b>  <b>8PCS</b> <b>Front Turning Linkage Inserted Ball Stud <math>\phi 4.8</math></b>
<b>H017</b>  <b>6PCS</b> <b>Lock Nut M2.5</b>	<b>H019T</b>  <b>8PCS</b> <b>Shock Ball Stud <math>\phi 4.8</math></b>	<b>H020</b>  <b>12PCS</b> <b>Body Clip A/B- Big</b>	<b>H021</b>  <b>12PCS</b> <b>Body Clip A/B- Small</b>





















The images may vary from the actual received parts.

## PART LIST-4

<b>H022</b>  $\phi$ 2*10mm <b>Wheel Hex. Pin</b> <b>8PCS</b>	<b>H100</b>  <b>Motor Cooling Heat Sink</b> <b>(For 1/10th scale vehicles)</b>	<b>H102</b>  <b>Motor Gear(23T)</b>	<b>H152</b>  <b>E-Clip(4MM)</b> <b>8PCS</b>
<b>H153</b>  <b>E-Clip(2MM)</b> <b>8PCS</b>	<b>H155</b>  <b>Battery Clip</b> <b>8PCS</b>	<b>P010</b>  <b>Zip Tie(Big)</b> <b>8PCS</b>	<b>P011</b>  <b>Zip Tie(Small)</b> <b>8PCS</b>
<b>P012</b>  <b>Wheel Hex.</b> <b>4PCS</b>	<b>P019</b>  <b>Receiver Antenna Pipe</b> <b>2PCS</b>	<b>E001</b>  <b>Torque:3.2Kg</b> <b>3.2kg Servo (LS-3003) + Mount</b>	<b>E003B</b>  <b>Receiver(AM,27MHz)</b>
<b>E012</b>  <b>Motor - RC 540</b>	<b>E018A</b>  <b>7.2V</b> <b>Output:100A</b> <b>Electronic Speed Controller(ESC)</b>	<b>E031</b>  <b>SC Ni-CD Battery Pack</b> <b>7.2V 1800mAh</b>	<b>E032</b>  <b>SC Ni-Mh Battery Pack</b> <b>7.2V 2000mAh</b>
<b>E122</b>  <b>Crystal - AM 27Mhz (a pair)</b> <b>-for transmitter &amp; receiver</b>	<b>S002</b>  <b>Round Head Self Tapping Screw 3*12</b> <b>12PCS</b>	<b>S003</b>  <b>Round Head Self Tapping Screw 3*8</b> <b>12PCS</b>	<b>S010</b>  <b>Countersunk Self Tapping Screw 3*12</b> <b>12PCS</b>

The images may vary from the actual received parts.

# PART LIST-5

<b>S015</b>  12PCS <b>Grub Screw 3*3-2*7</b>	<b>S016</b>  12PCS <b>Grub Screw 3*3</b>	<b>S018</b>  12PCS <b>Round Head Self Tapping Screw 2.6*8</b>	<b>S023</b>  12PCS <b>Countersunk Screw 3*8</b>
<b>S024</b>  12PCS <b>Countersunk Self Tapping Screw 3*10</b>	<b>S028</b>  12PCS <b>Round Head Screw 2.5*14</b>	<b>S030</b>  12PCS <b>Round Head Self Tapping Screw 3*10</b>	<b>S059</b>  12PCS <b>Round Head Screw 3*8</b>
<b>S060</b>  12PCS <b>Round Head Screw 2.5*12</b>	<b>S064</b>  12PCS <b>Grub Screw 4*10</b>	<b>S068</b>  12PCS <b>Flange Self Tapping Screw 3*10</b>	<b>S084</b>  8PCS <b>Round Head Self Tapping Screw 3*37</b>
<b>S085</b>  12PCS <b>Round Head Self Tapping Screw 3*15</b>	<b>S086</b>  8PCS <b>Countersunk Self Tapping Screw 3*37</b>	<b>S088</b>  12PCS <b>Countersunk Self Tapping Screw 2.6*12</b>	<b>T001</b>  Φ 8mm Φ 9mm Φ 10mm Φ 12mm <b>Large Cross Wrench</b>
<b>T002</b>  Φ 2mm Φ 2.5mm Φ 3mm Φ 4mm <b>Small Cross Wrench</b>	<b>P100</b>  12PCS <b>Body Post Pad</b>	<b>P101</b>  4PCS <b>Motor Pad</b>	<b>E020</b> Optional use  7.2V <b>Charger (America Standard)</b>

The images may vary from the actual received parts.

## PART LIST-6

<b>E021</b> Optional use  Charger (Europe Standard) 7.2V	<b>E022</b> Optional use  Charger (Australia Standard) 7.2V	<b>E023</b> Optional use  Charger (UK Standard) 7.2V	<b>6588-T003</b> Optional Use  Front Upper Adjustable Linkage Set Assembly
<b>6588-T004</b> Optional Use  Rear Upper Adjustable Linkage Set Assembly	<b>3378-T003</b> Optional Use  2PCS Front Turning Linkage Assembly	<b>6588-B001</b> Optional Use  Off road body- Red	<b>6588-B002</b> Optional Use  Off road body- Blue
<b>6588-B003</b> Optional Use  Off road body- Green	<b>6588-B004</b> Optional Use  Compatible with 6588-B001 Off road buggy wing-red	<b>6588-B005</b> Optional Use  Compatible with 6588-B002 Off road buggy wing-blue	<b>6588-B006</b> Optional Use  Compatible with 6588-B003 Off road buggy wing-green
<b>6588-B007</b> Optional Use  Off road new body-Yellow	<b>6588-B008</b> Optional Use  Off road new body-Black	<b>6588-B009</b> Optional Use  Off road new body-Blue	<b>6588-B010</b> Optional Use  Off road new wing
<b>3378-H002</b> Optional Use  Aluminum Front Shock Tower	<b>3378-H003</b> Optional Use  Aluminum Rear Shock Tower	<b>E014D</b> Optional Use  7.4V Brushless ESC	<b>E029</b> Optional Use  KV 3600 Brushless Motor

The images may vary from the actual received parts.

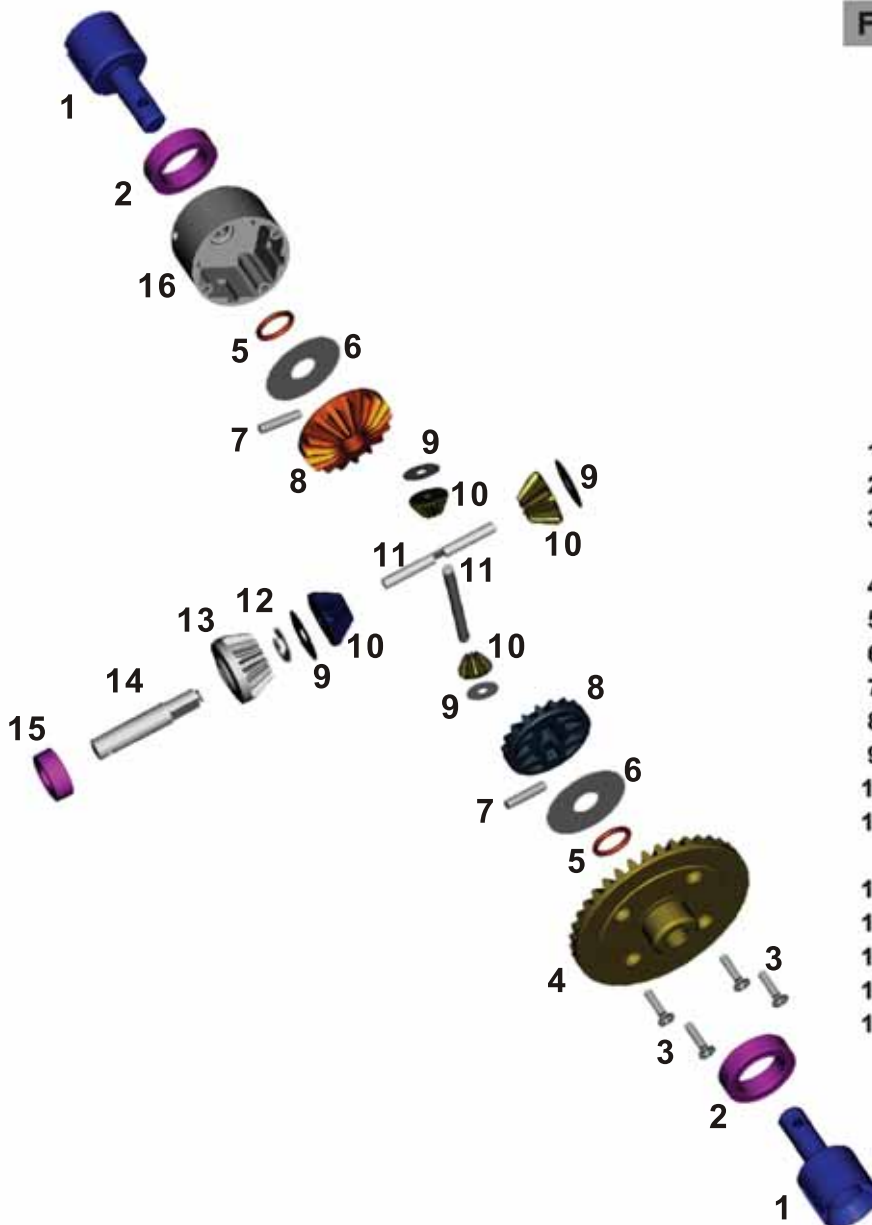
## PART LIST-7

The following are recommended to be used for your brushless buggy.

<p><b>6538-H005</b> Optional Use</p>  <p>Front/Rear Diff. Main Gear+ Front/Rear Diff. Bevel Pinion Gear</p>	<p><b>3338-T010</b> Optional Use</p>  <p>Bevel Gears(large+small)</p>	<p><b>6538-T002</b> Optional Use</p>  <p>Front /Rear Diff. Complete</p>	<p><b>6578-T010</b> Optional Use</p>  <p>Motor Pinion Shaft Dia.:<math>\phi</math>3.2mm Spur Gear(steel) Motor Pinion Gear(steel) +Screws</p>
--	--	---	--

## Assembly Diagram-1

### Front/Rear Diff. Assembly

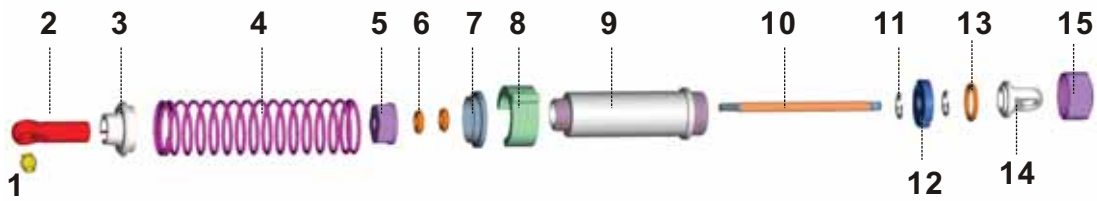


- 1.Front/rear Diff. Outdrive(L/R)
- 2.Ball Bearing 10\*15\*4
- 3.Round Head Self Tapping Screw 2\*9
- 4.Diff. Main Gear
- 5.Diff. Seal
- 6.Diff. Shim-Large
- 7.Diff. Pin 2\*10
- 8.Diff. Bevel Gear(Large)
9. Diff. Shim-Small
- 10.Diff. Bevel Gear(Small)
- 11.Diff. Small Bevel Gear Open Pin
12. E-Clip
13. Diff. Pinion
14. Diff. Pinion Post
15. Ball Bearing 5\*11\*4
16. Diff. Gear Case

The images may vary from the actual received parts.

## Assembly Diagram-2

### Shock Assembly



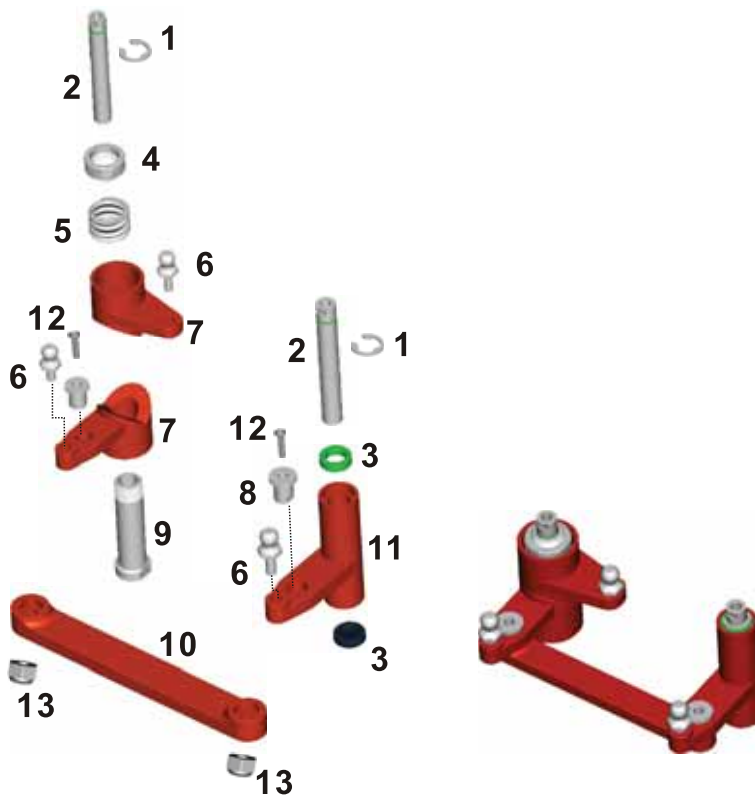
1. Shock Lower Mount Ball  $\phi 4.8$
2. Shock Bottom Mount
3. Shock Spring Retainer(bottom)
4. Shock Spring
5. Shock Body Bush

6. Shock Seal(small)
7. Shock Spring Retainer(upper)
8. Shock Adjustable Clasp
9. Shock Body
10. Shock Shaft

11. E-Clip(2mm)
12. Shock Piston
13. Shock Seal(Large)
14. Shock Cap
15. Shock Upper Mount

## Assembly Diagram-3

### Steering Assembly



1. E-Clip (4mm)
2. Steering Post
3. Steering Plate Bush
4. Steering Adjustable Ring
5. Buffer Load Spring
6. Ball Stud Screw  $\phi 4.8$
7. Steering Post Bushing A
8. Steering Bush
9. Steering Post Bore
10. Steering Ackerman Plate
11. Steering Post Bushing B
12. Round Head Screw 2.5\*12
13. Lock Nut M2.5

ITEM NO.: 6588 & 6588A

Part Name:

- 1.Front Bumper  
2.Shock Ball(Dia.4.8)  
3.Front Shock Set  
4.Shock Ball Stud  
5.Front Shock Tower  
6.Front Body Post  
7.Front Lower Suspension Holder(outside)  
8.Front Gear Box  
9.Front Lower Suspension Holder(outside)  
10.Front/rear Dogbone  
11.Front Wheel Shaft  
12.Ball Bearing 5\*10\*4  
13.Front Upright(L/R)  
14.Steering Hub Bush  
15.Lock Nut M3  
16.Ball Stud Screw(Dia.4.8)  
17.Steering Hub(L/R)  
18.Steering hub Bolt  
19.Wheel Hex. Pin  
20.Wheel Hex.  
21.Front Wheel Rim  
22.Front Tyre  
23.Wheel Flange Lock Nut M4  
24.Front/rear Lower Arm Inside Hinge Pin  
25.Front Lower Arm

- 51.Chassis  
52.Motor bottom mount  
53.Spur Gear Guard Set  
54.Receiver  
55.Rear Lower Suspension Holder(inside)  
56.Rear Gear Box  
57.Rear Lower Suspension Holder(outside)  
58.Rear Wheel Shaft  
59.Rear Upright  
60.Rear Wheel Rim  
61.Rear Tyre  
62.Rear Lower Arm Outside Hinge Pin  
63.Rear Lower Arm  
64.Rear Shock Tower  
65.Rear Body Post  
66.Front Upper Linkage Bar(optional Use)  
67.Front Shock Set  
68.Rear Bumper  
69.Wing Stay  
70.Wing Post  
71.Wing Mount  
72.Wing Retainer

Screw Required:

- S-1.Round Head Self Tapping Screw 3\*12  
S-2.Round Head Screw 2.5\*14  
S-3.Round Head Self Tapping Screw 3\*10  
S-4.Round Head Self Tapping Screw 2.6\*8  
S-5.Round Head Self Tapping Screw 3\*37  
S-6.Round Head Self Tapping Screw 3\*15  
S-7.Grub Screw 4\*10  
S-8.Countersunk Self Tapping Screw 3\*12  
S-9.Round Head Screw 2.5\*12  
S-10.Round Head Self Tapping Screw 3\*8  
S-11.Grub Screw 3\*3.2\*7  
S-13.Grub Screw 3\*3  
S-14.Countersunk Self Tapping Screw 3\*37  
S-15.Countersunk Screw 3\*8  
S-16.Countersunk Self Tapping Screw 2.6\*12  
S-17.Round Head Hex. Screw 3\*12

26.E-Clip (2mm)

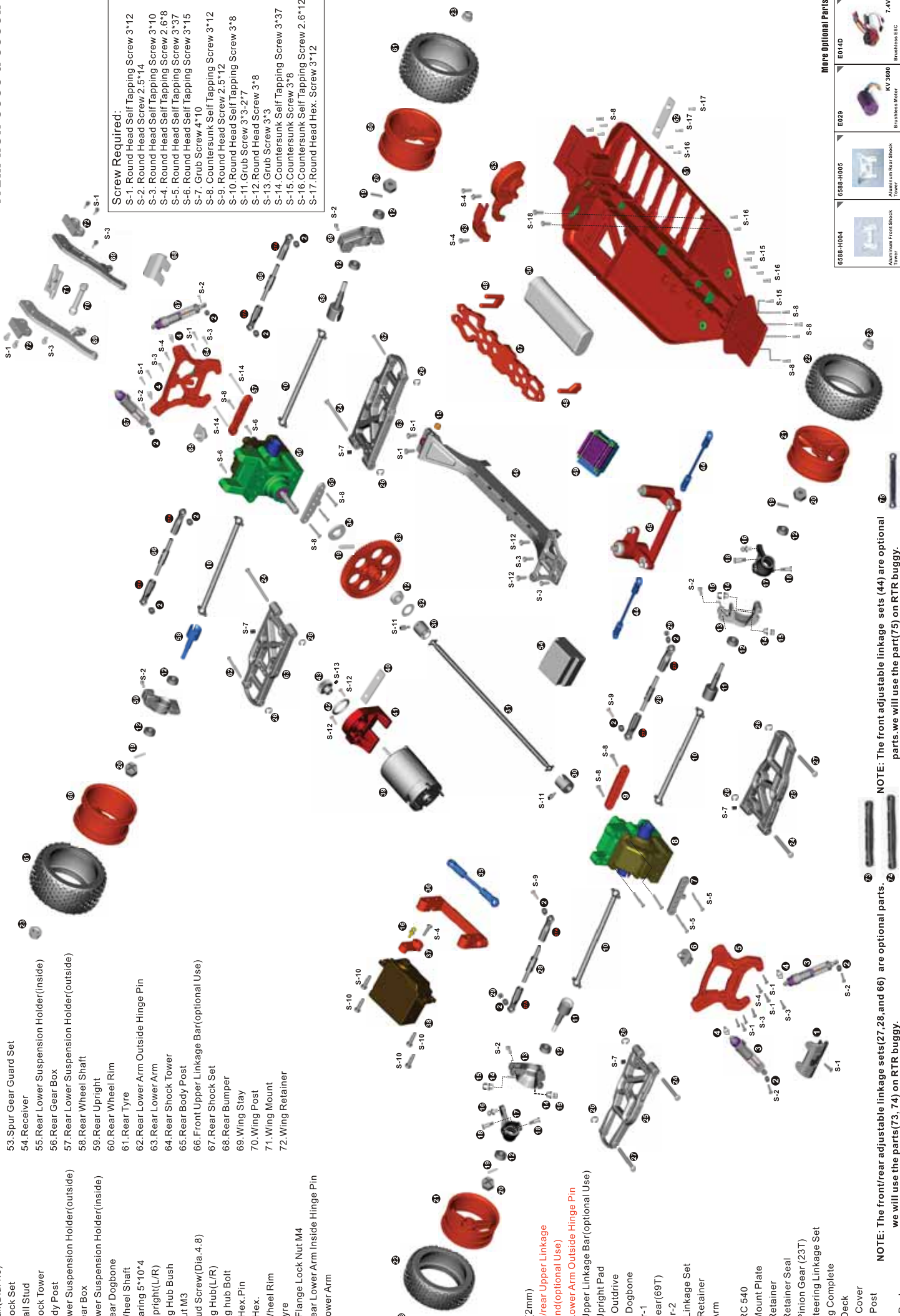
27A. Front/rear Upper Linkage Set End(optional Use)

27. Front Lower Arm Outside Hinge Pin  
28. Front Upper Linkage Bar(optional Use)

29. Front Upright Pad  
30. Centre Outdrive  
31. Centre Dogbone  
32.Washer-1  
33. Spur Gear(69T)  
34. Washer-2  
35. Servo Linkage Set  
36. Servo Retainer  
37. Servo Arm  
38.Servo  
39.Motor RC 540  
40.Motor Mount Plate  
41.Motor Retainer  
42.Motor Retainer Seal  
43.Motor Pinion Gear (23T)  
44.Front Steering Linkage Set  
45.Steering Complete  
46.Upper Deck  
47.Battery Cover  
48.Battery Post  
49.ESC  
50.Battery Pack

NOTE: The front/rear adjustable linkage sets(27,28.and 66) are optional parts. we will use the parts(73, 74) on RTR buggy.

NOTE: The front adjustable linkage sets (44) are optional parts. we will use the part(75) on RTR buggy.



More Optional Parts:

6588-H004	6588-H005	E029	E014D
Aluminum Front Shock Pinset	Aluminum Rear Shock Pinset	Brushless Motor KV 3600	Brushless ESC 7.4V

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.



**READY TO RUN**

**1/10TH SCALE ELECTRIC POWERED OFF ROAD OFF ROAD BUGGY**

- This R/C car is highly recommended for persons over 14 ages. Children under 14 ages should handle this model under an adult's supervision.
- Please keep away from the other electric powered R/C products while operating your model. Otherwise, you may lose of control of your model.
- Please drive your model in a spacious area. Never run your car in crowded street.
- It is a normal case that the car is unable to stop from high speed running to still. Take care of yourself and your children while your model does not stop running.
- This product is fully assembled at factory. We do not take any responsibility for the damages and/or accidents as result of contrived reassembly and/or incorrect operation.