

Please read this manual carefully before assembling and or disassembling your vehicle.

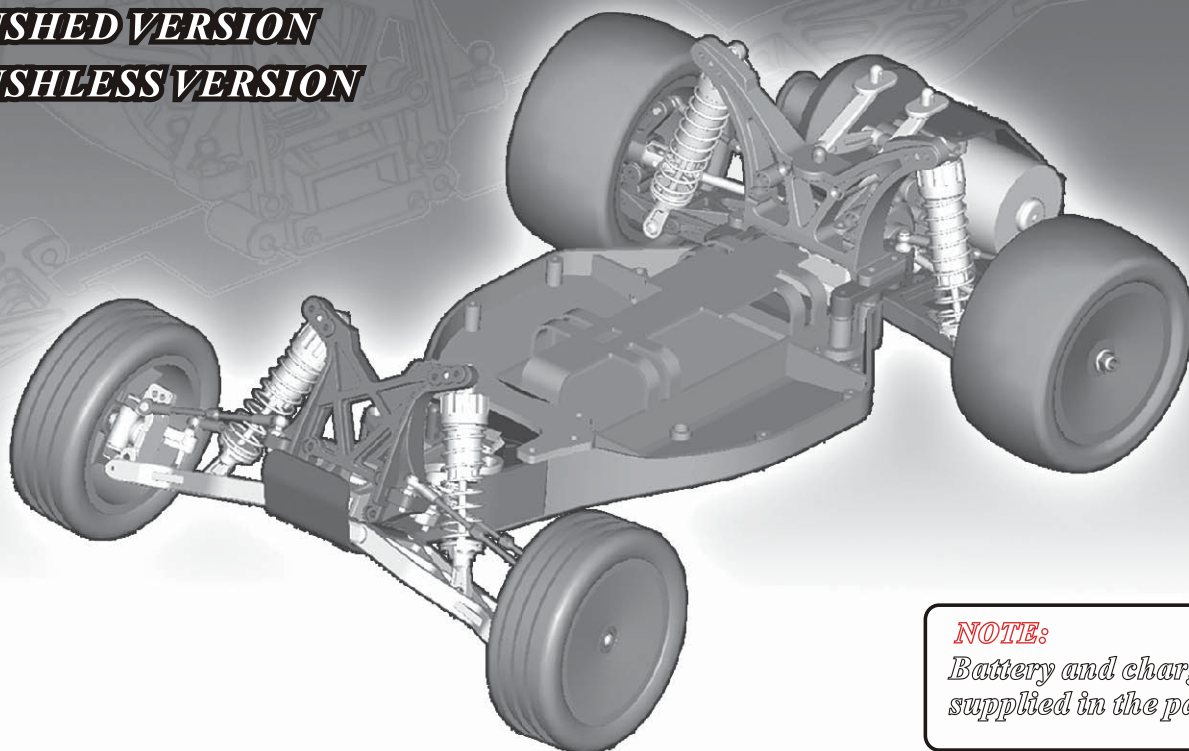
## INSTRUCTION MANUAL

### 1/10TH SCALE 2WD ELECTRIC POWERED OFF ROAD BUGGY

TWO WHEEL DRIVE RACING

-**BRUSHED VERSION**

-**BRUSHLESS VERSION**



**NOTE:**

Battery and charger not supplied in the packaging.

#### TECHNICAL DATA & MAIN FEATURES

*This is a new generation 1-10th scale 2WD off road vehicle. It is build in RTR version at factory. ( expect for battery and charger).*

*It is also made in two versions ( brushed version and brushless version). The following are the specifications for motors and speed controllers.*

Brushed ESC: 100A, ( Max.voltage: 7.4V)

Brushed motor: RC540 (20000rpm)

*Brushed Version*

Brushless ESC: 90A, ( voltage: 7.4V -12V)

compatible for sensor/sensorless brushless motor

*Brushless Version*

Brushless motor: KV 3930

- Length: 405mm
- Height: 135mm
- Width: 250mm
- Wheelbase: 265mm

- Wheel Width: 29mm (front wheel)  
43mm (rear wheel)

- Wheel Dia.: 81mm (front wheel)  
85mm (rear wheel)

- Gear Ratio: 1:8.8 (brushed),  
1:9.6 (brushless)

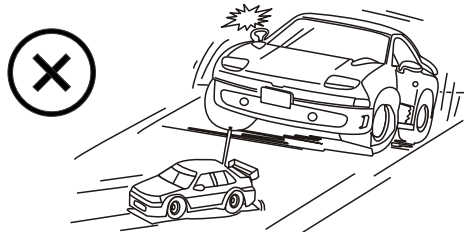
- Net Weight: 1.195kg (battery not included)

#### SAFE INFORMATION

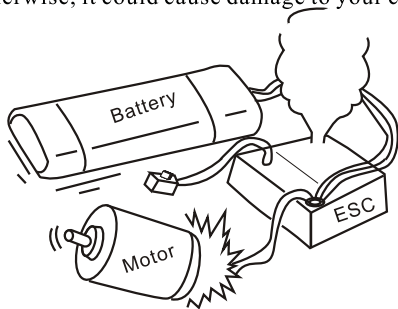
- Read carefully and fully understand the instructions before commencing assembly and/or disassembly.
- This R/C vehicle is intended for persons over 14 years of age. Children under 14 years of age should only operate this car under adult supervision.
- When assembling this kit, tools including knives are used. Extra care should be taken to avoid personal injury.
- Read and follow the instructions supplied with all tools ( not included in kit).
- Keep out of reach of little children. Children must not be allowed to put any parts in their mouth, or pull vinyl bag over their head.

## GENERAL WARNINGS

- Under no circumstances should you operate your car in crowds of people. Serious injury could result.
- Never operate your car on any public streets. This could cause traffic accidents, personal injury and/or property damage. The car is only allowed to be driven on the track where is for RC cars.



- Do not use your car to chase pets or other animals.
- The receiver, steering servo and other electronics installed in your car are not waterproof ; therefore, do not drive through water, wet grass, mud or snow.
- Because your car is operated by radio control, it is important to make sure you are always using fresh and/or fully charged batteries. Never allow the batteries to run low in the radio controller or you could lose control of your car.
- If your car becomes stuck, release the throttle, then retrieve it by hand.
- Do not continue to apply the throttle or you may damage the motor and/or the ESC (electronic speed controller).
- Before running your car, check the battery wiring and plugs are not loose. Otherwise, it could cause damage to your car when running.



- Before running your car, make certain to adjust the stop, low, middle, and top speed positions of your car.
- A worn motor will overheat and result in a short running time.
- Replace a worn out motor as soon as possible.



***Any malfunction incurred by contrived upgrading and modification will void warranty.***

*Brushed ESC on this kit stands only 7.4V ( 2 cell) lipo battery.*

*Brushless ESC on this kit stands only 7.4 -11.1 V ( 2 -3cell) lipo battery.*

## RADIO CONTROL SYSTEM WARNINGS

- If you are testing the motor, be careful not to touch any moving parts. Serious injury could result.
- To prevent excessive r.p.m.'s from damaging the motor and/or the drivetrain components, we suggest reducing the throttle while in the air during jumps.
- It is normally the case that the car run slows when it is going uphill. It does not mean anything wrong with the car.
- Never attempt to re-assemble motor , ESC, and receiver which have been well adjusted at factory.
- Always apply our recommended optional parts to your car.
- To upgrade your car allows you to upgrade the whole system ( such as motor, ESC, receiver and the like) . They should be well matched.
- When turning on your car , always turn ON the radio control before turning ON the receiver.
- When turning off your car, always turn OFF the receiver before turning OFF the radio control.
- Never cut the receiver antenna shorter or you could lose control of your car.
- When operating your car, make sure the radio control's antenna is completely extended.

## BATTERY/CHARGER WARNINGS

- Always unplug the battery pack when not in use.
- Always allow the battery to completely cool before recharging.
- Never over-charge the battery or serious damage to the battery and/or the user could result.
- Periodically check the battery for excessive heat build-up during the charging process. If the battery is hot to the touch, remove it from the charger and let it cool. Never leave the battery unattended during the charging process.
- Do not dismantle or modify the battery or charger. No user serviceable parts are inside.
- Never charge your battery unattended.

## GENERAL INFORMATION

- ✦ Thank you for selecting our 1-10<sup>th</sup> scale 2WD car. It is designed to be fun to drive and uses top quality parts for durability and performance.
- ✦ This is a high performance R/C kit, and it requires regular maintenance for best performance. Failure to do so will harm performance. In the last pages of this manual there are a complete list of spare parts on sale to keep your car performing at its best.
- ✦ This product is not a toy. It is not suitable for users under 14 years old unless they are supervised by adults.
- ✦ Never attempt to re-assemble the motor, ESC, and receiver. These have been carefully calibrated at the factory.
- ✦ Only use manufactured parts to upgrade your car. If you perform a drive train upgrade, replace the entire system (Such as motor, ESC, receiver and the like) so that all components are properly matched. Any malfunction incurred by custom modification will void your warranty.

## SAFETY CAUTIONS

### *Before Running:*

- Please read and understand all instructions carefully (Not suitable for operators under 14 years of age, unless closely supervised by an adult.
- Regular check is a must for your car. ( Especially for tightness of wheels, screws, nuts and bearings...)
- Always use fresh batteries for your transmitter and receiver to avoid losing control of your car.
- Please confirm the neutral throttle trigger position.
- Keep in mind that before running you must turn on the transmitter first, then the receiver.

### *While operating*

- Never run on a public street, this could cause serious accidents, personal injuries and/or damage to properties.
- Never run near pedestrians or small children.
- Never run in small or confined areas.
- Never keep close to the operators using same frequencies at the same time. Failure to do so will cause lose of control of your cars.

### *After Running:*

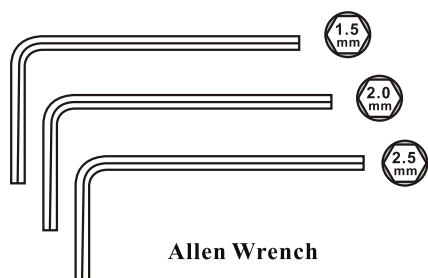
- Keep in mind that before running you must turn off the receiver first, then the transmitter.
- It is necessary for you to perform routine maintenance. Failure to do this can result in increased wear and harm the performance.
- Remove battery from the car if it is not in use in a long period. Also, remove batteries from transmitter if not in use.
- Check all wires and connectors ( on motor, on ESC and on battery). If damaged replace and repair them immediately.
- Never touch motor just after running as it can cause burn.

## PACKAGING INCLUDED:

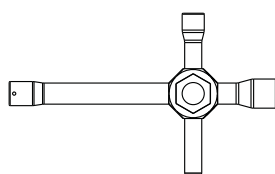
- ✦ One RTR 2WD off road car w/body installed, battery and charger are not included
- ✦ One Radio Control ( not specified)
- ✦ One English instruction manual
- ✦ Antenna Pipe

Please charge your battery before running. And, install eight AA size batteries ( not included) to your transmitter.

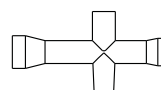
## ASSEMBLY KIT REQUIRED ( NOT INCLUDED IN THE PACKAGING):



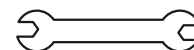
Allen Wrench



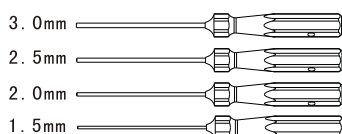
Cross Wrench (Large)  
(8 /9 /10 /12mm)



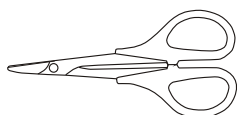
Cross Wrench (Small)  
(2 / 2.5 / 3 /4mm)



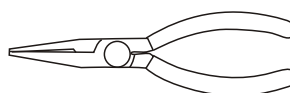
Turnbuckle Wrench



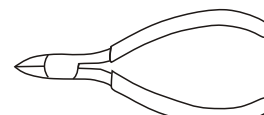
Screw Driver



Curve Head Scissors



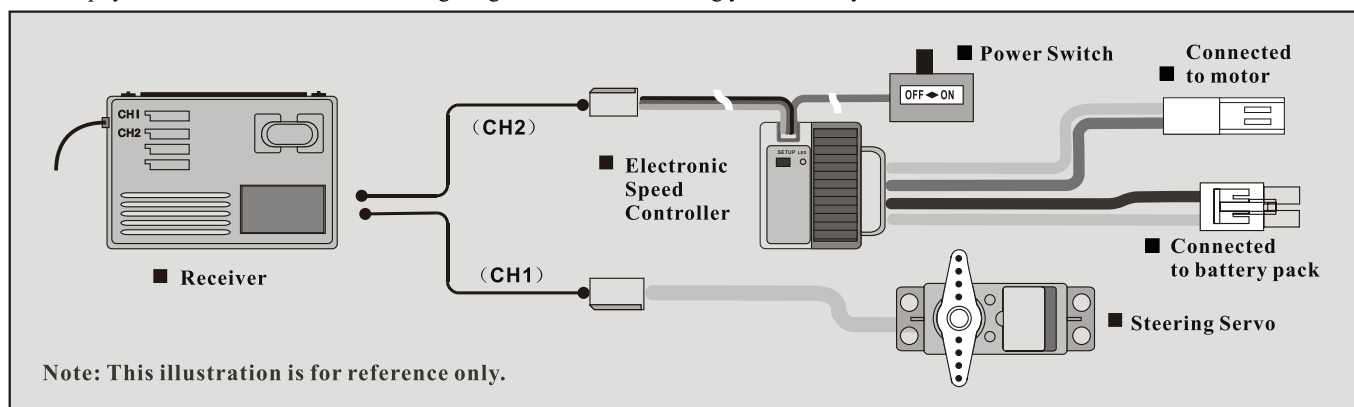
Acutilingual Plier



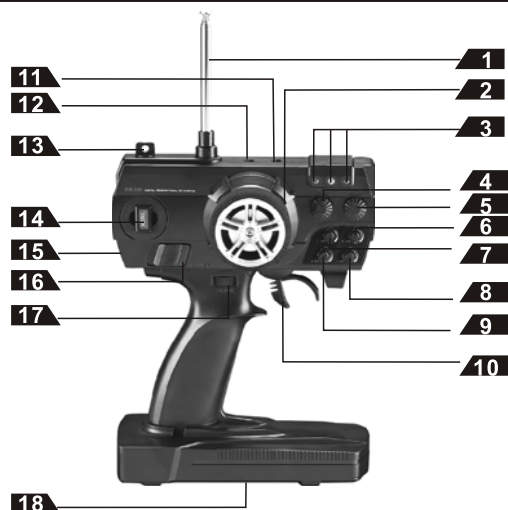
Body Cutter

## RADIO SYSTEM FLOW DIAGRAM

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



## RADIO INTRODUCTION



### FUNCTIONS OF SWITCHES

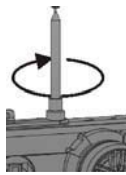
This AM radio is easily switchable for users to have a good control of the car.

- |                           |                                     |
|---------------------------|-------------------------------------|
| 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             |



## TO KEEP YOUR TRANSMITTER READY TO USE

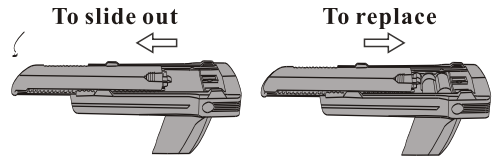
### To install the antenna to your transmitter



*Insert the antenna first, then turn it anti-clockwise until it is locked to transmitter.*

*Never turn it hard as it will do damage to the thread inside the transmitter.*

- Fully extend the antenna for better transmitting performance while driving your vehicle.



*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.*

### TRANSMITTER BATTERY INFORMATION

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.

## USE OF THE TRANSMITTER

### POWER SWITCH



- Switch on/off the power.

### ANTENNA



- Fully extend the antenna for better receiving performance when using.

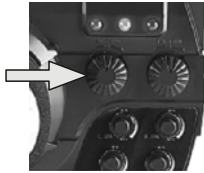
### BATTERY INDICATORS



- Always check battery level. You may lose of control of your vehicle by low battery power.  
*Full power (yellow/green/red light are all on)*  
*Enough power (yellow/green light are both on)*  
*Low power (red light is on)*

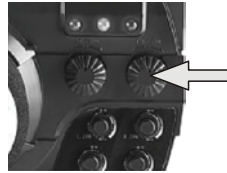
## USE OF THE TRANSMITTER-2

### 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.

### CRYSTAL SLOT



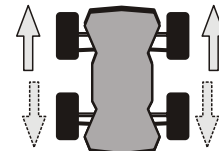
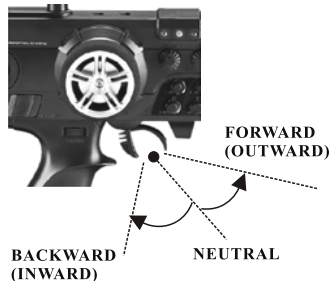
- This slot will be inserted with the frequency crystal of the transmitter. Please use a pair of matched crystals for transmitter and receiving system on the car.

### CHARGING JACK



- It should be used only for rechargeable batteries. Use the specified charger (DC9.6V, 250MA) only. Do not overcharge (normal charging time: 4-5hours.)

### TRIGGER CONTROL

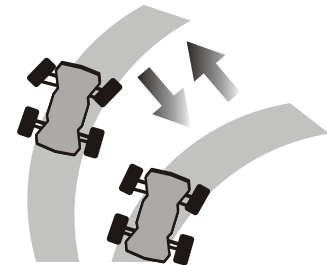


It is to control speed and braking ability of your car. Pull the trigger to accelerate, release it to decelerate, and push it to brake. Pushing the trigger a second time activates the reverse function.

### STEERING DUAL RATE CONTROL DIAL

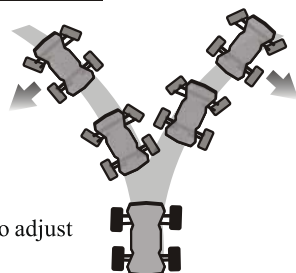


- This dial adjusts the overall travel of the steering servo. Push the dial forward for maximum steering. Pull the dial back to reduce the steering level.



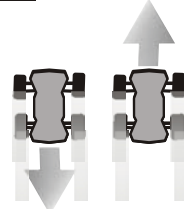
Place your car on the ground and check the turning radius of your car. If the car turns too sharply rotate the dial towards the back of the transmitter. If you desire for a smaller turning radius, rotate the dial forwards.

### EPA ADJUSTMENT (STEERING)



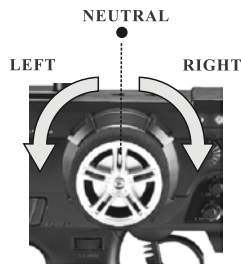
EPA ST (Left and Right) is to adjust left or right steering radius individually other than Steering D/R which is to adjust both left and right steering at the same time.

### EPA ADJUSTMENT (THROTTLE)



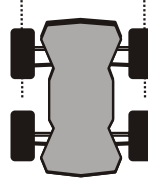
- 1) If the top speed going forward is either lower or higher than desired, check the EPA throttle (forward) settings.
- 2) If the top speed going backward is either lower or higher than desired, check the EPA throttle (backward) settings.

## STEERING CONTROL

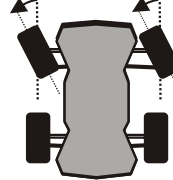


### • LEFT STEERING • RIGHT STEERING

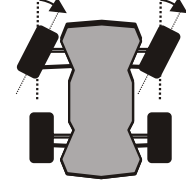
Running aligned



To turn left



To turn right



- It is to control steering of your car.
- Turn the wheel to the right and your car turns right.
- Turn the wheel to the left and your car turns left.

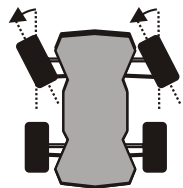
## STEERING REVERSE SWITCH



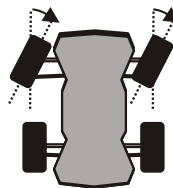
- Steering Reverse Switch is to change the direction of the steering servo. It will permit your steering reverse operation to your vehicle.



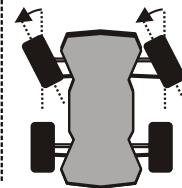
Control Wheel  
(Normal Mode)



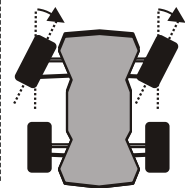
Control Wheel  
(Normal Mode)



Control Wheel  
(Reverse Mode)



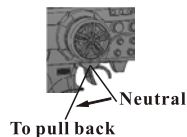
Control Wheel  
(Reverse Mode)



## THROTTLE REVERSE SWITCH

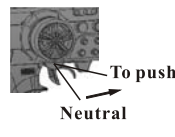
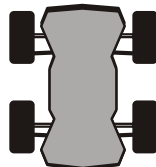


- Throttle Reverse Switch is to change the throttle operate. It will provide the throttle reverse operation for your vehicle.



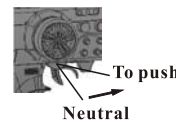
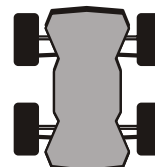
Throttle Trigger  
(Normal Mode)

↑ Accelerate



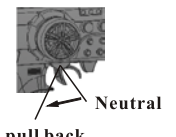
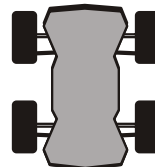
Throttle Trigger  
(Normal Mode)

↑ Decelerate/Brake



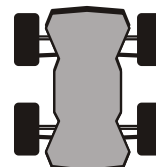
Throttle Trigger  
(Reverse Mode)

↑ Accelerate



Throttle Trigger  
(Reverse Mode)

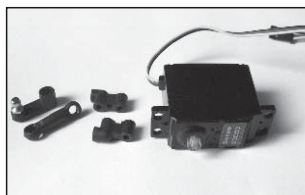
↑ Decelerate/Brake



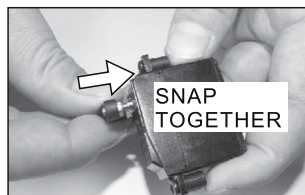
## INSTALLATION OF SERVO

Your 1-10th Scale 2WD electric powered off road vehicle has been already equipped with the servo at factory.

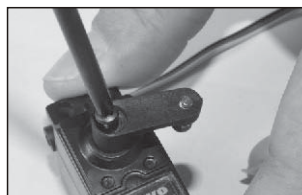
The following is illustrated for the users to re-assemble and/or disassemble the servo when necessary.



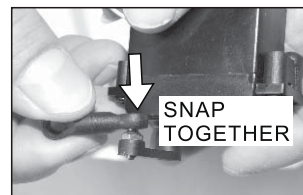
Servo linkage, servo arm, servo mount and servo are prepared.



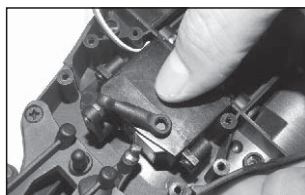
Install servo arm to servo.



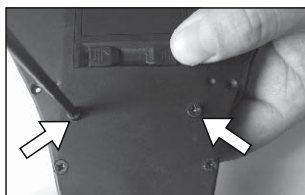
Secure the servo arm with a screw (Part Number: S018)



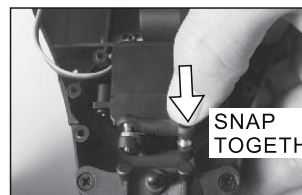
Install servo linkage to servo arm.



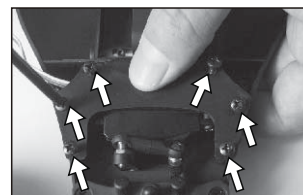
Put the servo in place on the chassis.



Secure the servo from the chassis bottom with two screws (Part Number: S019)



Install servo linkage to steering bush.

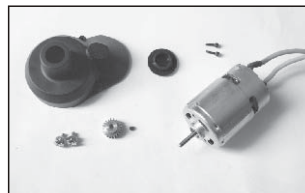


Install servo linkage to steering bush.

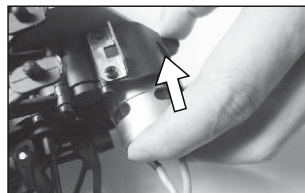
## INSTALLATION OF MOTOR

Your 1-10th Scale 2WD electric powered off road vehicle has been already equipped with the motor at factory.

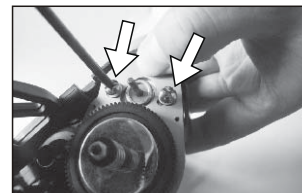
This buggy is built in STOCK ( brushed) version or Brushless version.



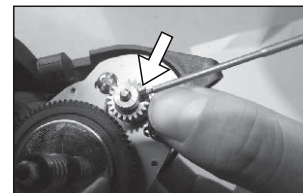
Collect all parts as shown to prepare installation.



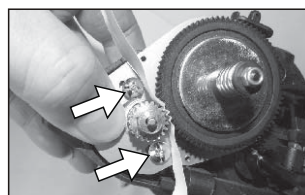
Put the motor in place as shown.



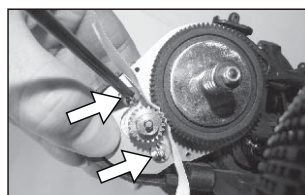
Secure the motor with two screws (Part Number: S127)



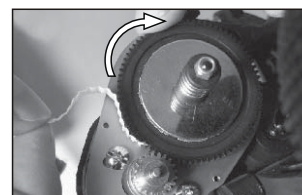
Install the motor pinion gear to the motor shaft and secure it with a screw ( Part Number: S016)



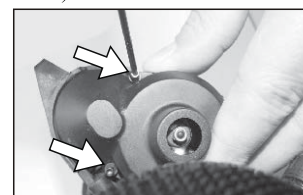
Loose the two screws , then slide a notebook paper between motor pinion gear and spur gear until the paper crinkles.



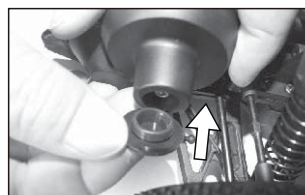
Re-tighten the two screws. Make sure the pinion gear and the spur gear are in-line.



Remove the paper and double -check the gear mesh.



Fasten the gear cover with two mounting screws (Part Number: S031)



Attach the access plug to the gear cover.

### NOTES

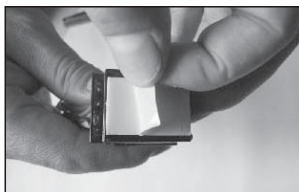
If the gear mesh is set properly, you should feel a very small amount of play between the two gears. If there is an excessive amount of play or no play at all, re-adjust the gear mesh again.



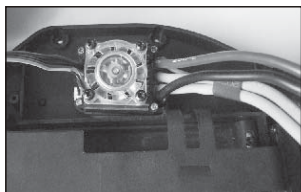
## INSTALLATION OF ELECTRONIC SPEED CONTROL (ESC)

Your 1-10th Scale 2WD electric powered off road vehicle has been already equipped with the ESC at factory.

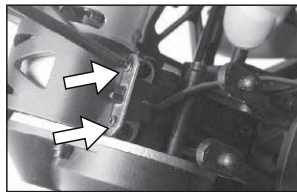
This buggy is built in STOCK ( brushed) version or Brushless version.



Label a piece of double side adhesive tape on your ESC bottom.



Paste your ESC on the chassis.



Install the receiver switch which is linked to your ESC and secure it with two screws. (Part number: S120)

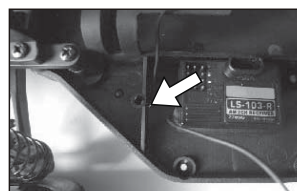
## INSTALLATION OF RECEIVER



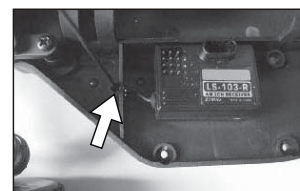
Label a piece of double side adhesive tape on the bottom of your receiver.



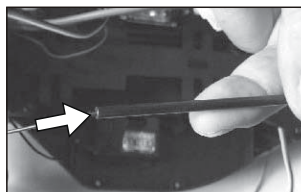
Paste your receiver in place.



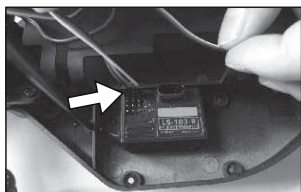
Paste your receiver in place. Slide the receiver antenna into the hole as shown.



The receiver antenna should go out of the antenna mount from the chassis bottom as shown.



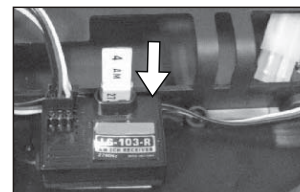
Slide the receiver antenna wire into one end of the antenna pipe and out the other end. Attach the antenna cap when ready.



Insert the servo connector into the Slot 1 on the receiver.

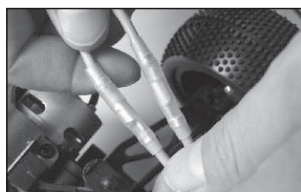


Insert the ESC connector into the Slot 2 on the receiver.

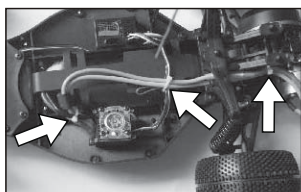


Insert the crystal into the receiver.

## CHECKING ALL WIRES AND CONNECTORS



Connect motor to ESC. (yellow to yellow, blue to blue).



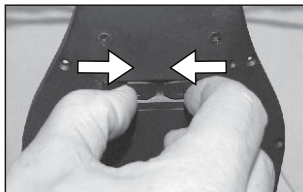
Keep all wires and connectors unloose. Fasten them with the zip ties as shown.



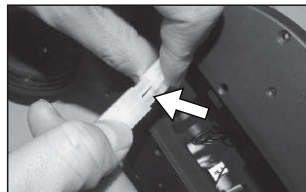
## PREPARATION BEFORE DRIVING YOUR VEHICLE

Your 1-10th Scale 2WD electric powered off road buggy is not provided with the battery and charger. You can buy them individually.

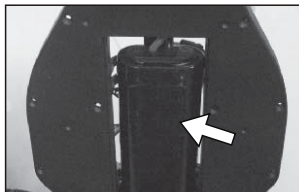
### 1 Install the battery pack to your vehicle.



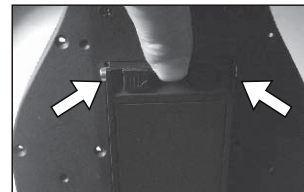
Pinch the battery cover as shown to open it.



Connect the battery to your ESC.



Put the battery in place.



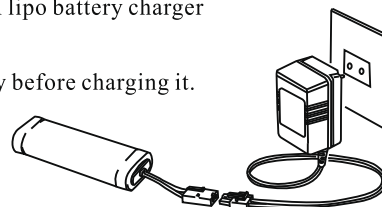
Replace the battery cover and press it until it snaps together with the chassis.



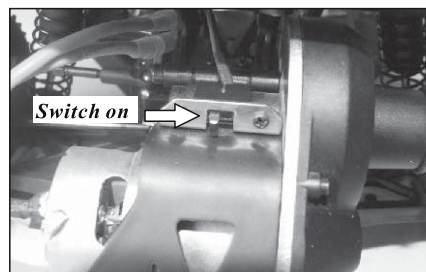
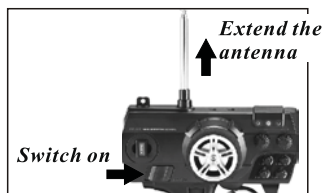
#### WARNING

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 when Ni-MH or Ni-CD battery is used. Please use with the special lipo battery charger when you use with a lipo battery.
- 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.

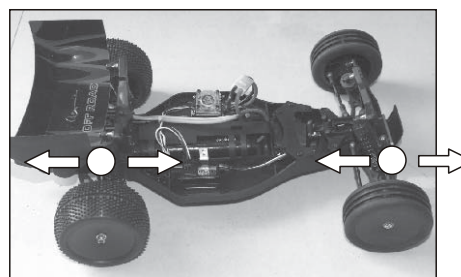
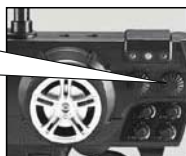
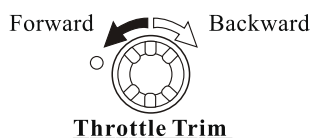


### 2 Turn on your radio control and radio system on your vehicle



### 3 Checking throttle trim dial

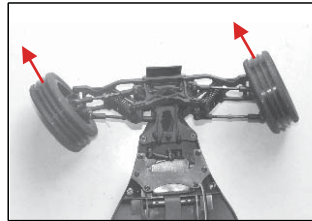
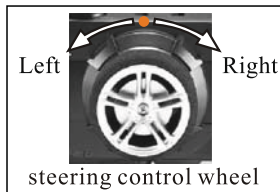
To fine tune the throttle's neutral point turn the throttle trim dial.



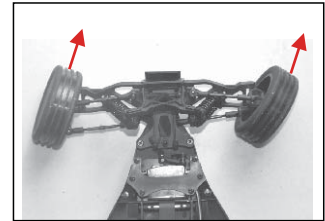
While the wheels begin to move, gently turn the throttle trim dial until no chirr sound is heard from ESC.

#### 4 Checking steering performance

- 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.

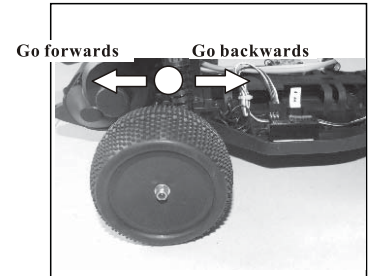
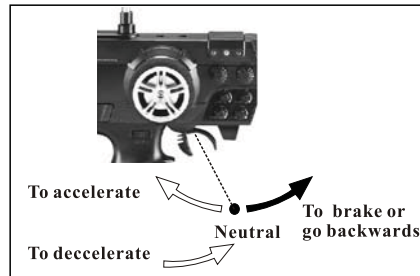


The front wheels point right.

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.

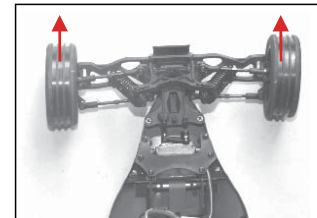
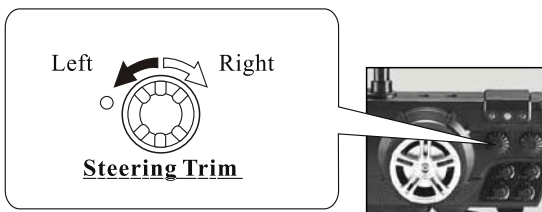
#### 5 Checking trigger control

- 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.



#### 6 Adjusting steering trim dial

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

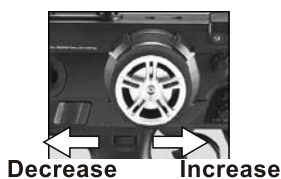


The front wheels are straightly aligned.

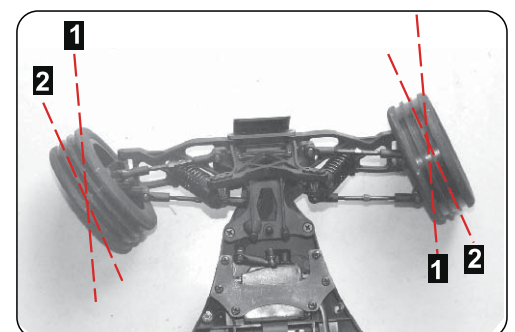
To allow the front wheel to point straight turn the steering trim dial gently whilst decelerating your car.

#### 7 Tuning 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.



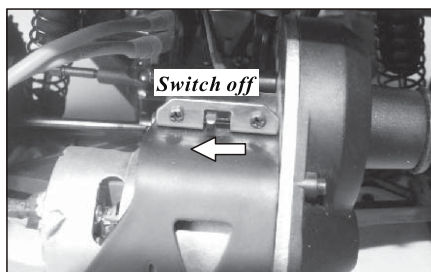
- 1.Low Steering Level
- 2.High Steering Level

## 8 To stop running your vehicle

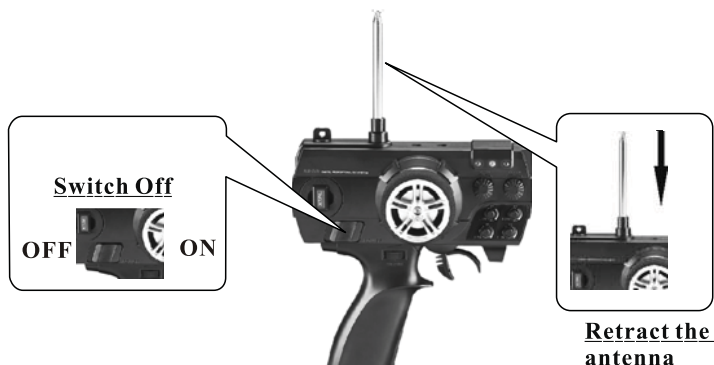


**Note:** To stop running your vehicle you should turn off the receiver before turning the transmitter off. Remove the battery pack and store it away from the reach of children.

### 1. Turn off the receiver on your vehicle.

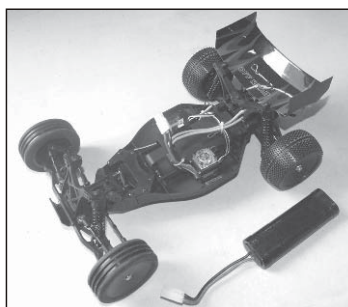


### 2. Turn off your transmitter.



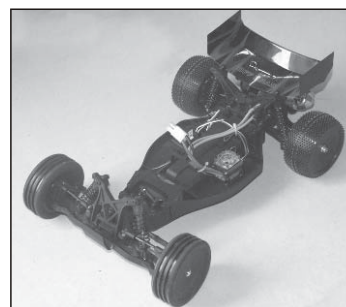
### 3. Remove the battery pack

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

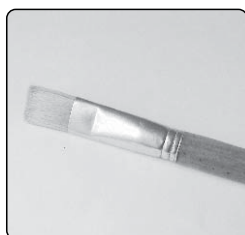


### 4. Check all parts

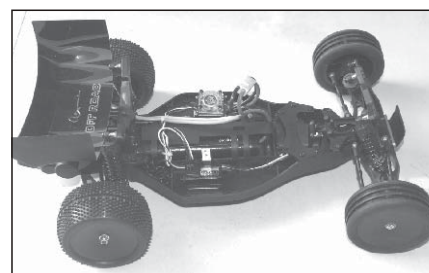
Check all parts and immediately perform the measures of maintenance and/or replacement if necessary.



## 5. Maintenance



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

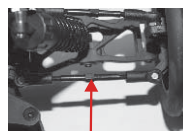
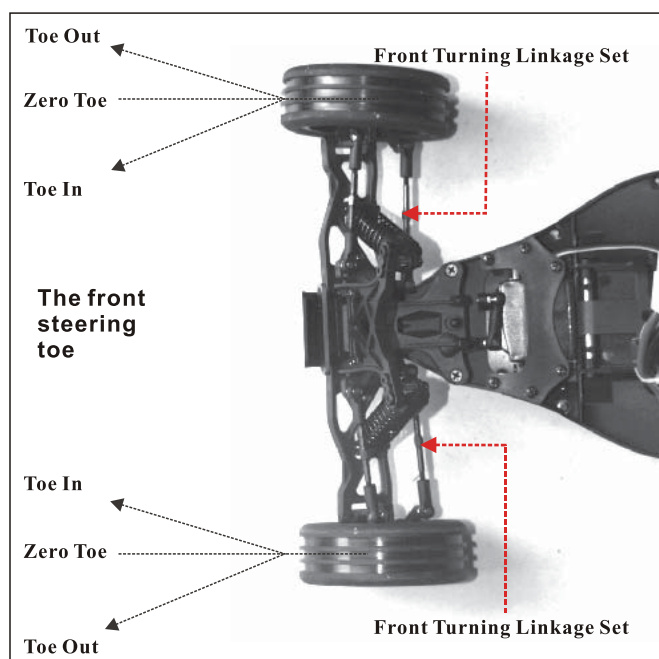


## TO TUNE YOUR VEHICLE

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.



To adjust front turning linkage bar

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

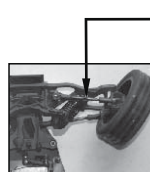
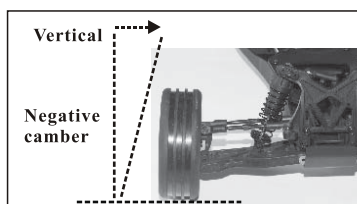
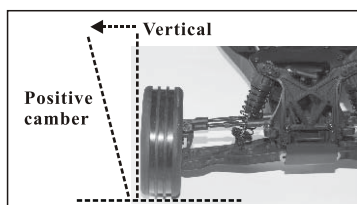
This can be advantageous for operators struggling to get to grips with the driving of the vehicle.

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.

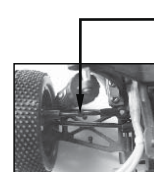
Zero toe will make the front wheels run straight and make the car very neutral. Tire wear will also be reduced and the vehicle will feel easier to drive.

### 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.



Front Upper Link Turnbuckle



Rear Upper Link Turnbuckle

This is an example of positive camber.

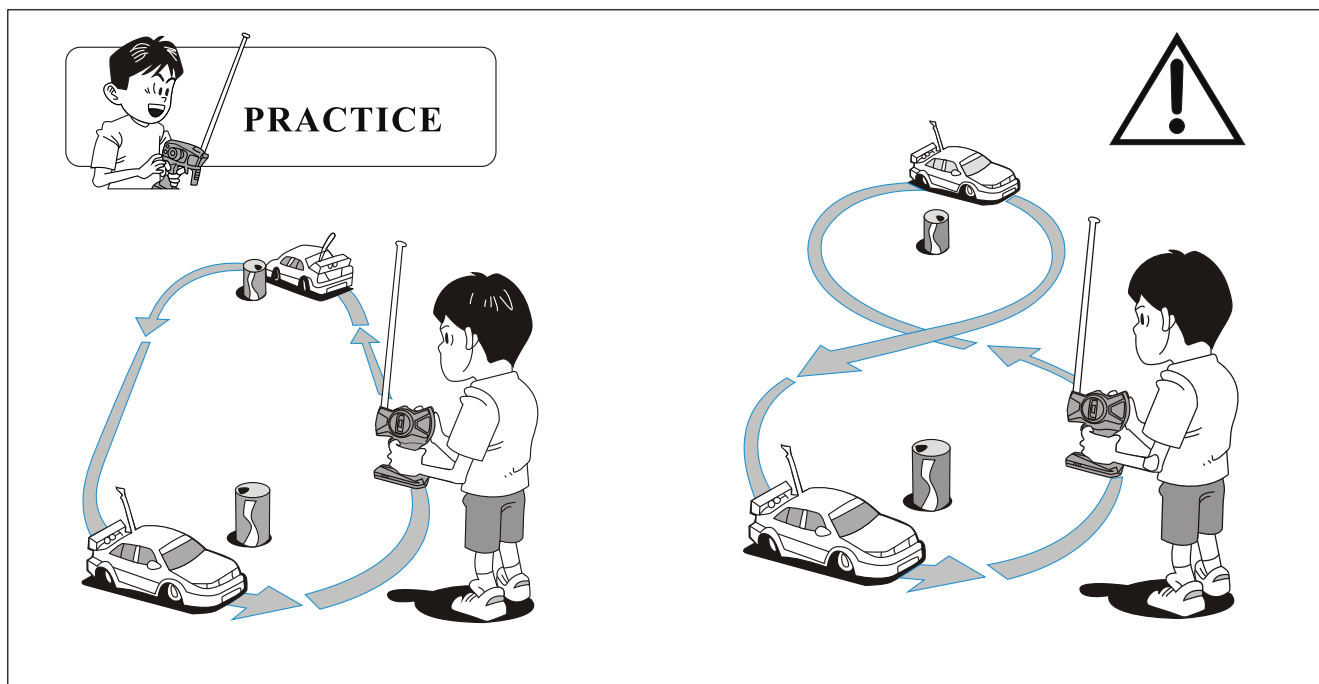
This is when the bottom of the wheel is closer to the centre of the car compared to the top of the wheel. Positive camber will give less contact area in the corner and less grip. Excessive amounts will cause less grip and uneven wear.

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.



## RUNNING 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.

## TROUBLESHOOTING

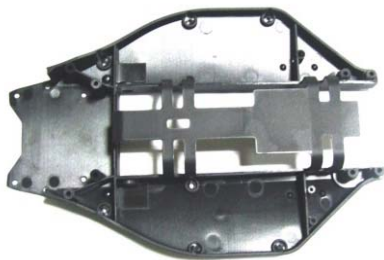
Please read this section if you have any fault trying to operate the vehicle. You should immediately stop driving to check your car as long as it runs erratically.

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.



## SPARE PARTS-1

**KB-61001**



Chassis

**KB-61002**



Front Bottom Plate+Rear Bottom Plate+  
Rear Shock Tower Mount+Front  
Suspension Mount+Front Suspension  
Pin Brace Pad

**KB-61003**



Front Top Mount+ Servo Arm+ Servo  
Mount

**KB-61004**



Front Top Steering Mount

**KB-61005**



Diff Gear Housing

**KB-61006**



Diff. Main Gear+Idler Gear+ Diff. Pinion  
Gear+Diff. Large Bevel Gears+ Diff.  
Small Bevel Gears+Diff. Inner Mount

**KB-61007**



Front Bumper+Motor Guard

**KB-61008**



Gear Cover+Access Plug ( Silicone  
Rubber)

**KB-61009**



Rear Suspension Pivot Block Set  
(A pair)

**KB-61010**



Battery Holder+ Lock Pins+  
Load Spring+Mount+Cap Head Screw  
2\*8mm

**KB-61011**



Front Shock Tower+ Rear Shock Tower

**KB-61012**



Steering Mount Assembly+Steering  
Ackerman Plate

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.

## SPARE PARTS-2

<b>KB-61013</b>  <p>Front Lower Suspension Arms (Left/right)</p>	<b>KB-61014</b>  <p>Rear Lower Suspension Arms (Left/right)</p>	<b>KB-61015</b>  <p>Steering Hubs(Left/right)</p>
<b>KB-61016</b>  <p>Front Uprights(Left/right)</p>	<b>KB-61017</b>  <p>Rear Uprights(Left/right)</p>	<b>KB-61018</b>  <p>Enforced Pads Complete ( Thick/thin)</p>
<b>KB-61019</b>  <p>Wing Stay + Front Body Post</p>	<b>KB-61020</b>  <p>Off Road Tyres (Front)+Sponge Insert</p>	<b>KB-61021</b>  <p>Off Road Tyres (Rear)+Sponge Insert</p>
<b>KB-61022</b>  <p>Off Road Rims(Front)</p>	<b>KB-61023</b>  <p>Off Road Rims(Rear)</p>	<b>KB-61024</b>  <p>Off Road Wheels Complete(Front)</p>

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.

## SPARE PARTS-3

**KB-61025**



Off Road Wheels Complete(Rear)

**KB-61026**



Slipper Load Spring+Slipper Spacer+Nut M3+Slipper Bushing+Slipper Washer

**KB-61027**



Slipper Back Plate+Slipper Pad

**KB-61028**



Steering Mount Assembly  
(Steering Bush, Servo saver load Spring, Steering Pad)

**KB-61029**



Rear CVD Axles

**KB-61030**



Diff. Outdrives+ Countersunk Screw 2\*2.5mm

**KB-61031**



Front Axles + E-Clips 3mm

**KB-61032**



Motor Plate

**KB-61033**



Front Suspension Pin Brace

**KB-61034**



Rear Drive Shafts (L=approx.70.6mm)

**KB-61035**



Slipper Shaft+Transmission Upper Gear Shaft

**KB-61036**



Steering Hub Hinge Pins  
(L=approx. 23mm)

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.

## SPARE PARTS-4

<p><b>KB-61037</b></p>  <p>Front Lower Suspension Hinge Pin -Outside(L=approx.26mm)</p>	<p><b>KB-61038</b></p>  <p>Rear Lower Suspension Hinge Pin -Outside(L=approx.27.3mm)</p>	<p><b>KB-61039</b></p>  <p>Front Lower Suspension Hinge Pin -inside(L=approx. 36.5mm)</p>
<p><b>KB-61040</b></p>  <p>Rear Lower Suspension Hinge Pin -inside(L=approx.48.5mm)</p>	<p><b>KB-61041</b></p>  <p>Switch Mount</p>	<p><b>KB-61042</b></p>  <p>Wheel Washers</p>
<p><b>KB-61043</b></p>  <p>Inner Hole: 3.25mm ( for brushed version)</p> <p>Motor Pinon (21T)+Set Screw 3*3mm</p>	<p><b>KB-61044</b></p>  <p>Inner Hole: 3.25mm ( for brushed version)</p> <p>Motor Pinon (23T)+Set Screw 3*3mm</p>	<p><b>KB-61045</b></p>  <p>Inner Hole: 3.25mm ( for brushed version)</p> <p>Motor Pinon (27T)+Set Screw 3*3mm</p>
<p><b>H180</b></p>  <p>Inner Hole: 5mm ( for brushless version)</p> <p>Motor Pinon (19T)+Set Screw 3*3mm</p>	<p><b>H181</b></p>  <p>Inner Hole: 5mm ( for brushless version)</p> <p>Motor Pinon (21T)+Set Screw 3*3mm</p>	<p><b>H182</b></p>  <p>Inner Hole: 5mm ( for brushless version)</p> <p>Motor Pinon (23T)+Set Screw 3*3mm</p>
<p><b>KB-61046</b></p>  <p>Front Shock Absorbers</p>	<p><b>KB-61047</b></p>  <p>Rear Shock Absorbers</p>	<p><b>KB-61048</b></p>  <p>Front/Rear Upper Adjustable Linkage Assembly ( Different adjustment to front and rear ones can be measured by users)</p>

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.

## SPARE PARTS-5

**KB-61049**



Front Steering Adjustable Linkage Assembly

**KB-61050**



Servo Linkage Assembly

**KB-61051**



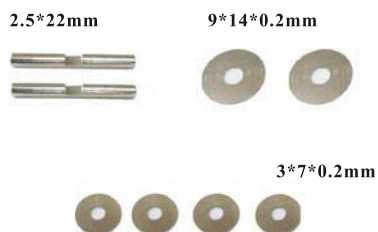
Diff. Complete+ Idler Gear+ Diff. Pinion Gear + Ball Bearing (5\*10\*4)

**KB-61052**



Spur Gear (77T)

**KB-61053**



Diff. Pins+Shims

**KB-61054**

**6PCS**



Ball Bearings (3\*6\*2.5mm)

**KB-61055**

**4PCS**



Buggy Wing Pins

**H001**

**8PCS**



Ball Stud.  $\phi 4.8 \times 4.9$

**H002**

**6PCS**



Lock Nut M3

**H003**

**6PCS**



Flange Lock Nut M4

**H008**

**6PCS**



Ball Bearings(5\*10\*4)

**H009**

**4PCS**

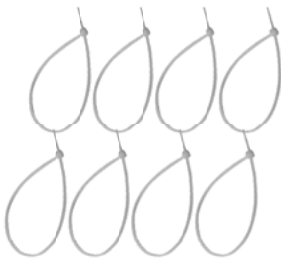


Ball Bearings(10\*15\*4)

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.



## SPARE PARTS-6

<b>H013</b> <b>8PCS</b>  Shock Ball Pivot. $\phi$ 4.8	<b>H017</b> <b>6PCS</b>  Lock Nut M2.5	<b>H020</b> <b>8PCS</b>  Big Body Clip A/B
<b>H021</b> <b>8PCS</b>  Small Body Clip A/B	<b>H022</b> <b>8PCS</b>  Wheel Hex. Pin ( $\phi$ 2*10mm)	<b>H040</b> <b>8PCS</b>  Shock Ball Stud.
<b>H152</b> <b>8PCS</b>  E-clip 4mm	<b>H154</b> <b>8PCS</b>  E-clip 3mm	<b>P010</b> <b>8PCS</b>  Zip Tie(Big)
<b>P011</b> <b>8PCS</b>  Zip Tie(Small)	<b>P019</b> <b>2PCS</b>  Receiver Antenna Pipe	<b>P100</b>  Body Post Pad

Note: Part Images may vary from received parts. This list is subject to change without prior notice as result of product improvement.