Please completely read and understand the entire manual before using, assembling and/or disassembling your remote controlled car.

### 1/16TH SCALE 4WD ELECTRIC POWERED BUGGY/TRUGGY/MONSTER TRUCK

2.4GHz RADIO SYSTEM

### INSTRUCTION MANUAL



MODEL	NAME	LENGTH	WIDTH	HEIGHT	WHEELBASE	WHEEL SIZE	GEAR RATIO	MOTOR & BATTERY
16881	BUGGY	260mm	175mm	105mm		63mm(Dia.) 25mm(Width)	1:9.28	RC 380 Motor & Li-ion Battery Pack (7.4V, 800mAH)
16882	TRUGGY	265mm	205mm	110mm		70mm(Dia.) 40mm(Width)	1: 11.44	
16883	MONSTER TRUCK	270mm	215mm	135mm		80mm(Dia.) 45mm(Width)	1: 11.44	

Notification: This date is subject to change without the prior notice.

The series of cars are Ready to Run with battery pack of Li-ion 7.4V ,800mAH, the charger and the adapter of the charger which is needed for charging your li-ion battery pack.

The cars feature 3-in-1 unit (ESC/receiver/ 5 wire servo) and 2.4GHz radio system, which are called entry-level hobby grade products and suitable for R/C beginners. Ball bearings and brass bushes are installed throughout the whole vehicles.

Many optional parts are available from factory and please refer to the part lists. If you perform a drive train upgrade, replace the entire system ( such as motor, ESC, receiver , ball bearings and the like) so that all components are properly matched. Any malfunction incurred by custom modification or incorrect operation will void your warranty.

- This product is not a toy. It is not intended for persons under 14 years of age, unless closely supervised by an adult.
- This manual is subject to change without prior notice.

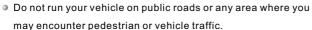
### **GENERAL INFORMATION**

- This user's manual is designed for use with your vehicles and contains the instructions you will need to assemble, operate and maintain your vehicles.
- We know you are anxious to start driving, but it is very important that you take time to read the manual even if you are an experienced R/C driver.
- Carefully read and follow all instructions in the manual. Failure to follow the instructions will be considered abuse and/or neglect and may void the warranty.
- Your vehicle is designed to run on uneven or rough terrain. However dust, sand, water and carpet fibres can lodge in the working parts of your cars and can damage your vehicle if not removed promptly. We do not warranty your vehicle from damage due to outside elements including sand, dirt or water. The users are responsible for the maintenance and safe operation of this vehicle.
- 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 any electronic components. 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 unit and the like) so that all components are properly
  matched. Any malfunction incurred by custom modification will void your warranty.
- Before driving your vehicle, please read this manual completely and examine your vehicle and radio control for any defects.
- For better performance, some adjustment may be necessary.
- This vehicle requires one battery pack (included in the car or in the packaging). Make sure the vehicle's batteries have a sufficient charge before driving or possible loss of control may result. The radio controller requires three AA size batteries (not include in the packaging).
- Always remove batteries from the vehicle and the radio controller when not in use.
- Please operate your vehicle in a spacious area. Never operate your vehicle in crowded street.
- This product is fully assembled at factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.

#### SAFETY INFORMATION

We want users to enjoy our RC vehicles and to operate them with care. Failure to operate your vehicle in a safe and responsible manner may result in injury to yourself, others or damage to property around you.

 Read and understand all instructions carefully before use and assembly/disassembly.





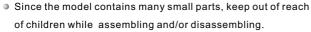
- Do not operate in a congested area or in crowds.
- Do not operate your vehicle with obstructed line of sight, at night, or near water.



 Your vehicle is radio controlled. Radio waves are subject to interference. Radio interference can cause loss of control of your vehicle.



 Take care not to cut yourself while using tools to adjust or upgrade your vehicle.





- When turning off your model, always turn off the receiver
   (3-in-1 unit) first, before turning off the remote control. Always remove the batteries from your vehicle and the remote control when not in use.
- If your vehicle 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/receiver unit.
- Turn off your vehicle and discontinue use if it runs erratically. Not do you run it again until the issue has been found and resolved.

#### **GETTING FAMILIARIZED WITH YOUR 2.4GHz RADIO SYSTEM**

Your car is equipped with the new 2.4GHz radio system .Please read and understand all instructions below before operating.



A: Steering Wheel

1: Steering Trìm

4: Power Switch

7: Throttle Reverse

B: Trigger
C: Battery Case

2: Steering Reverse 3: Red Indicator

5: Steering Dual Rate 6: Throttle Trim 8: Green Indicator

e Trim 9: Bind(Pair) button

Steering Wheel: It proportionally operates the model s right and left steering control.

Battery Case: It requires 3pcs of AA size batteries.

Power Switch: It is used to turns the radio controller ON/OFF

Steering Dual Rate Dial: It allows you to change the amount of steering servo travel compared to the amount of physical movement of the steering wheel.

Throttle/Steering Trims: They are used to adjust the center trim of the throttle/steering channel.

**Steering Reverse:** It allows you to electronically switch the direction of steering servo travel. For example, if you move the steering wheel to the right and the steering servo moves to the left, flip the Steering Reverse Switch to make the steering servo move to the left.

**Throttle Reverse**: It allows you to electronically switch the direction that the motor operates in relation to the throttle trigger. For example, if you pull the throttle trigger to accelerate forward, but the model goes in reverse, flip the Throttle Reverse Switch to make the model accelerate forward.

*Trigger:* It controls the speed and braking ability of your car. Pull it to accelerate, release it to decelerate, and push it to brake. Pushing it a second time activates the reverse feature.

Indicators: It shows battery power level. Green indicator flashing means battery power is not enough.

As long as bothred and green indicator goes flashing indicating that the radio controller runs out of battery power, you must replace with fresh batteries immediately.

Bind(Pair) button: It is used to bind your 2.4GHz radio system.

#### **BATTERY INSTALLATION**

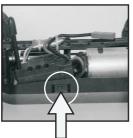
- Slide the battery cover as shown, and according to the illustrations of polarities, install 3pcs of AA size batteries.
- 2) Replace the battery cover after batteries are installed.

#### NOTES:

- -Use batteries of same type.
- -Remove batteries from the case if not in use.
- -Always check the battery power.
- -Dispose of exhausted batteries properly.

#### TO BIND THE RECEIVER TO THE RADIO CONTROLLER

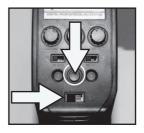
Before running, make sure that the radio controller is bound with the receiver, which have normally been done at factory. If it is not the case, you are require to perform the binding procedure following the instructions below.



1)Turn on the 3-in-1 unit power switch, which is located on the side of the car.
(Note: Receiver and ESC are combined inside the 3-in-1 unit.)

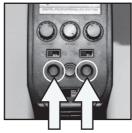


 Green indicator goes flashing, meaning that the binding process is being performed in system.



2) Hold the Bind(Pair) key, switching on the radio power.

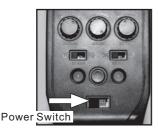
This operation should be performed within 5 seconds after your receiver is turned on.

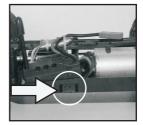


 Red and green indicators being steady on means that your receiver is bound to your radio controller. Binding process is completed.

### **RUNNING YOUR CAR**

1) TURN ON THE RADIO CONTROLLER 2) TURN ON THE RECEIVER ON YOUR CAR







#### CAUTION

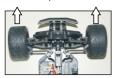
- Before using your car, make sure the radio controller is of enough battery power.
   Low battery power will lead to the loss of control of your car.
- Always turn on the remote controller firstly, and then the receiver.

#### 3 CHECK STEERING PERFORMANCE

• Ensure good steering performance.



 To keep the car run straight in line, do not move the control wheel.(Keep it at centre)



TURN LEFT



2) Turn it left to allow your vehicle turn to left.



TURN RIGHT



3) Turn it right to allow your vehicle turn to right.



### 4 CHECK TRIGGER RESPONSE





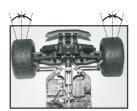




- A. Pull the trigger back to accelerate, release it to decelerate and push it to brake.
- B. To stop running your car, release the trigger to Neutral.
- C. Pushing the trigger a second time activates the reverse feature.

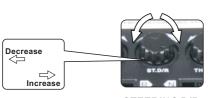
### 5 TO TUNE THE STEERING TRIM

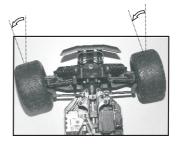




Gently pull the trigger to allow your car to run slowly. Meantime, tune the steering trim to allow the front wheels to be aligned.

### 6) TO TUNE THE STEERING DUAL RATE CONTROL DIAL



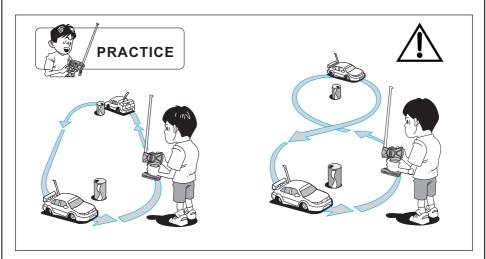


STEERING D/R

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

### **RUNNING PRACTICE**

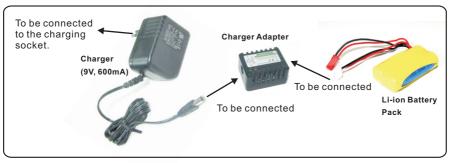


Once you become conformable driving the vehicle, perform driving practice on the tracks as shown in the figure.

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.

### **CHARGING THE BATTERY PACK**



- -Use only the specified charger (9V,600mA) to charge the Li-ion battery pack.
- The charger adapter is needed during charging, on which on the one side the charger is connected and on the other side the battery pack is connected.
- Never charge the battery pack unattended.
- Always remove the battery pack from the car before charging.
- Always use the battery pack after it is fully charged.
- -Charging time is normally around 2 hours and a half.
- -The red indicator on the adapter lights up, which means charging is being performed.

  Green Indicator C
- As long as charging is complete, the green indicator lights up.



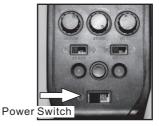
Red Indicator

### STOPPING YOUR CAR

### 1) TURN OFF THE RECEIVER ON YOUR CAR









• Always switch off the receiver ,and then the radio controller.

### 3 REMOVE BATTERIES

• Do not forgot to remove batteries from your car and radio controller when not in use.

#### MAINTAINING YOUR CAR

After running your car, the following procedures should be performed regularly and will help to maintain your car's performance.

- Inspect your car for any obvious damage.
- Check the gears for wear, debris or broken/slipping teeth.
- Check the wheels and tighten the wheel screws properly.
- · Check for loose screws in the chassis.
- Check the wiring for frayed or damaged wires or connectors.
- Check the steering servo which will wear out over time and require replacement.
- · Check all batteries.
- Keep the chassis clean and free of sand, dust and moisture.
- Remove and clean the motor if necessary. (Never attempt to re-assemble the motor, you
  will damage it and void the warranty).
- Clean the car body with a soft lint-free cloth.
- Remove all batteries if you are from the car when not in use.

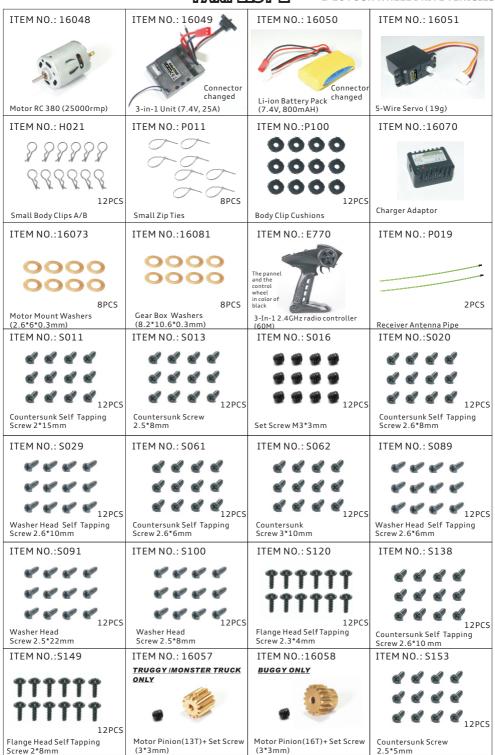
### **TROUBLESHOOTING** 1. Check to see if transmitter and car are on. 2. Check to see if TX/RX are properly bound. A. The vehicle does not work at all. 3. Adjust throttle trim on transmitter 4. Replace batteries. 1. Replace or charge the battery pack and/or the radio batteries. 2. Make sure the vehicle is geared properly and the pinion and spur gear are over tightened. B. The vehicle runs slow. Clean all bushings or ball bearings. 4. Check for stripped or dirty gears. 1. Check if the servo feels jammed, try centering it by hand. C. The throttle works, but it can not steer. 2. Check the whole steering system. 1. Adjust the throttle trim. D. It steers, but throttle is uncontrollable. 2. Replace or charge the battery pack and/or the radio batteries. 1. Check gear mesh between spur gear and pinion. E. The vehicle runs Check for stripped and/or dirty gears. noisily. 3. Clean and oil bushings or ball bearings.



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Wheels Complete (Truggy)

Wheels Complete(Truggy)

TREAD TIRES+SPONGE (Truck)

Flame Tires +Sponge (Truggy)

## PARTLIST-4

#### 1-16 FOUR WHEEL DRIVE VEHICLES



ITEM NO.: 16801= ITEM NO.: 16090 +ITEM NO.: 16091 +ITEM NO.: 16092+ITEM NO.: 16093+ITEM NO.: 16094

Warning: If you perform a drive train upgrade, replacethe entire system (Such as motor, ESC/receiver unit

Brushless ESC Cooling Fan +

Mounting Screws(4P)

warning: If you perform a drive train upgrade, replacethe entire system (Such as motor, ESC/receiver unit and the like) so that all components are properly matched. Any malfunction incurred by custom modification will void your warranty.

6PCS

Ball Bearings (8\*12\*3.5mm) 6P

Independent 2.4GHz Receiver

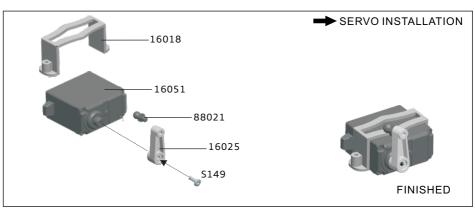
ITEM NO.: E710

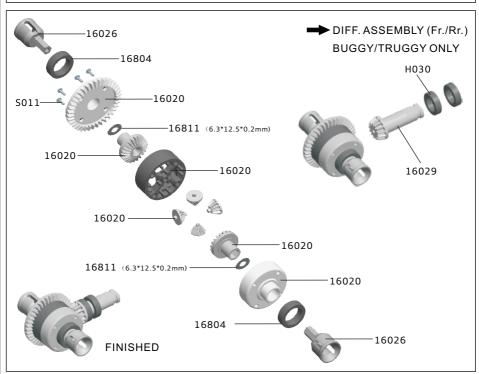
Motor Cooling Heat Sink

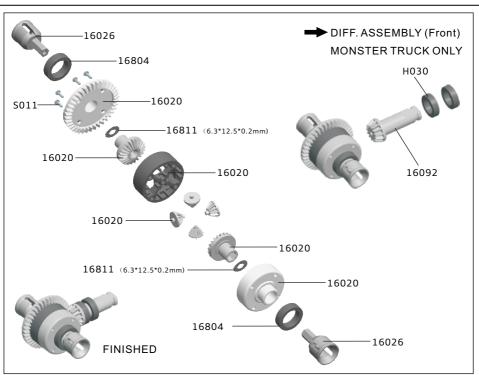
2.4GHz radio controller (150M)

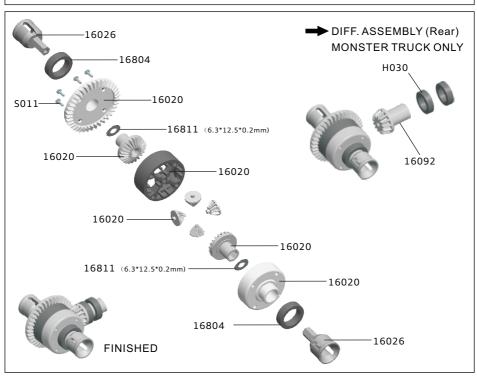
# UNITS ASSEMBLY VIEW



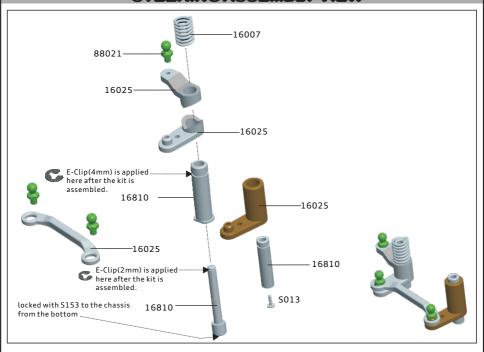


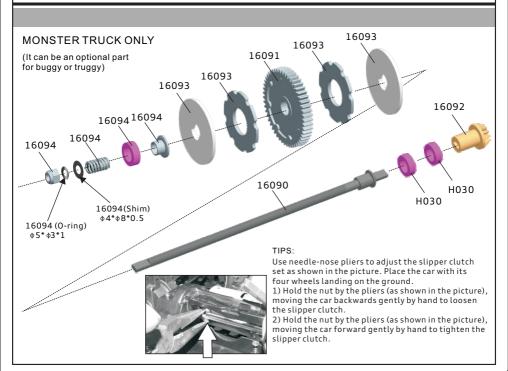


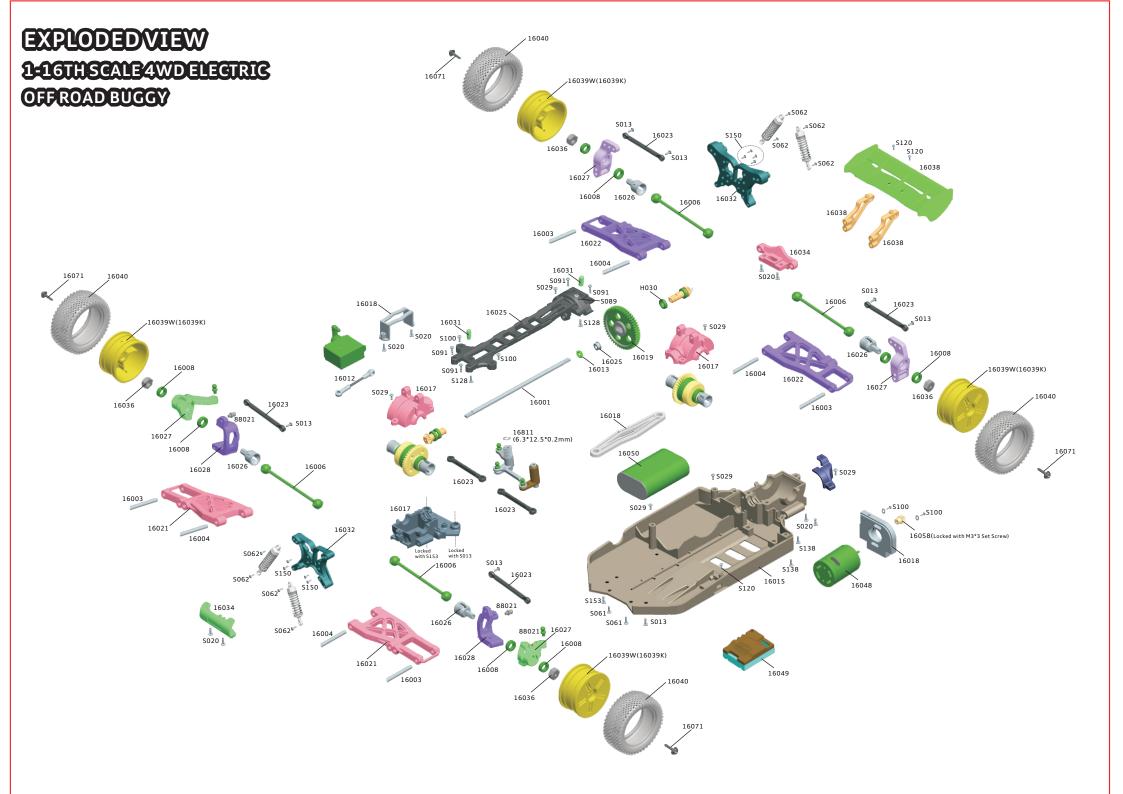


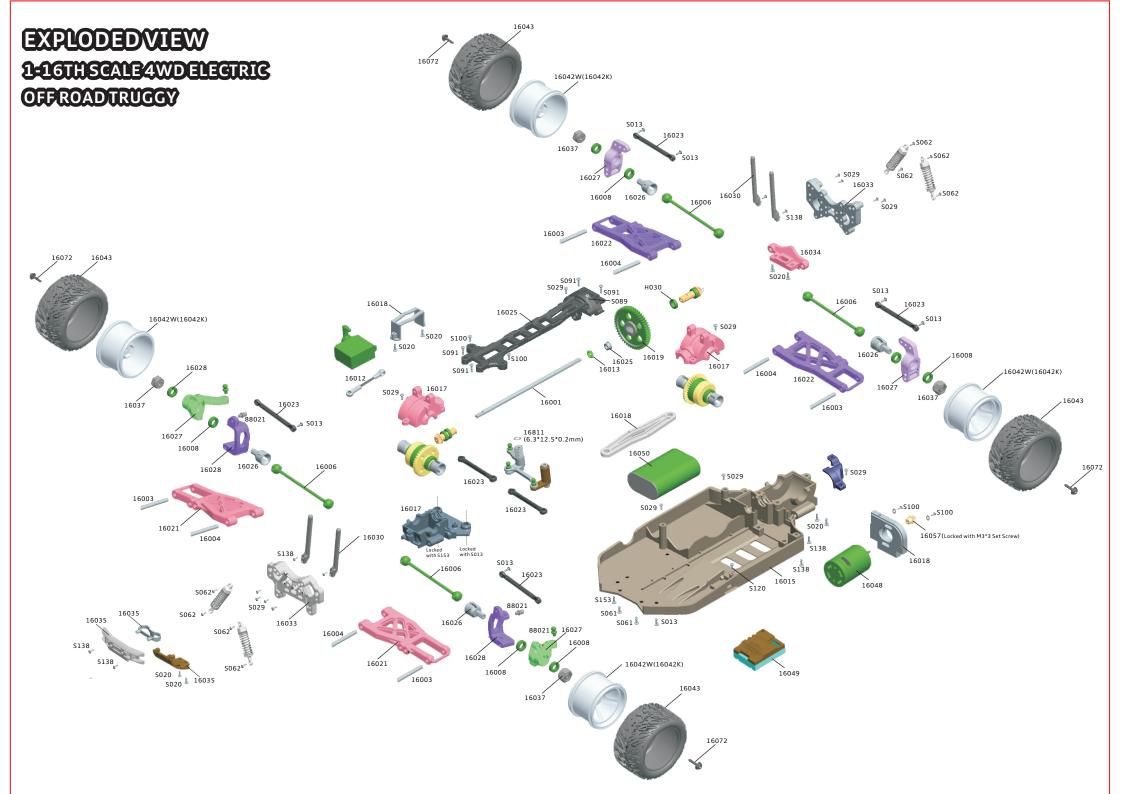


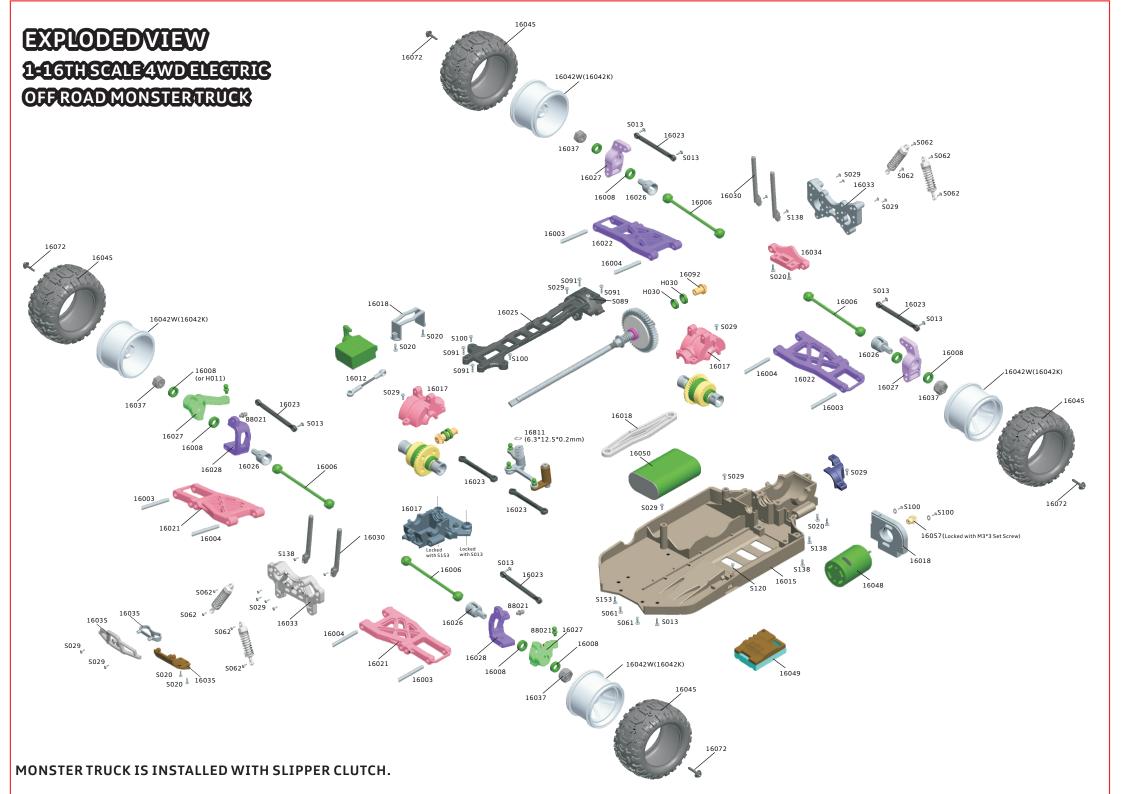
### STEERING ASSEMBLY VIEW











# Please completely read and understand the entire manual before using, assembling and/or disassembling your remote controlled car.

Thank for purchasing our product.

This product is an authentic remote controlled vehicle (RC vehicle). It is not a toy.

Read and understand this instruction manual thoroughly before operating the vehicle.

If you are not familiar with RC vehicles, we recommend that seek out RC experts for reliable advice.

### **WARNINGS**

- -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.
- -To avoid losing control of your car, do not operate near other electric remote controlled products.
- $\hbox{-Please operate your vehicle in a spacious area. Never operate your vehicle in crowded street.}\\$
- -This product is fully assembled at factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.