

# 1:18 RC CAR USER MANUAL

RC POWER 4WD OFF ROAD CAR 2.4GHz RADIO SYSTEM

HS181



HM181

## WARNING:

PLEASE READ THE INSTRUCTION MANUAL CLEARLY BEFORE OPERATING THE PRODUCT

## Cautions :

The following terms are used throughout instruction of the product. Indicating that there are potential harms in different degree when operating this product.

**NOTICE:** If do not properly follow each procedure, it will properly lead to property damage and injury.

**WARNING:** Please read this operating instruction carefully before operating in case it will damage this product and do harm to your health.

This is a product for sophisticated lover. It requires careful operation and some basic mechanical skills. The product might and other property might be damaged if do not be operated in a safe and responsible manner. This product is applicable to be used by children without the supervision of adults. Don't use incompatible components and alter the product in any way going beyond the instruction provided by PXToys Co.,Ltd. This manual provides the safe operation and maintaining. It is essential to read and follow all the instructions and warnings before assembling, setting-up and using in order to operate correctly and avoid damage and serious injury.

**AGE LIMIT: THIS IS NOT A TOY, NOT FOR CHILDREN UNDER 14**

## Safety Precautions :

**As the user of this product, you have the responsibility to operate according to this instruction manual in case of resulting damage to you and this product.**

- Keep a safety distance in all directions around your product in order to avoid colliding or harm. This product is controlled by a wireless signal, so please avoid interference within your control in case of affecting operation.
- Operate your model in an open and empty space, keep away from large- scale machines, traffic, people and animals.
- Read this instruction manual and warnings carefully and the support equipment such as charger and rechargeable battery packs
- Keep that all chemicals, small parts and all the electronic components are out of the reach of children.
- Avoid water exposure to all equipment and accessories, the moisture damages electronic elements.
- Do not put any portion of the vehicle into your mouth, this will cause injury to your health and even death.
- Do not operate your vehicle under low battery.
- Keep your vehicle in your sight and under control.
- Use full-charged battery.
- Keep the transmitter on power when the vehicle powered on.
- Remove battery first when disassembling the vehicle.
- Keep the moving components clean.
- Keep accessories dry.
- Wait the parts cool after using before touching.
- Remove battery after using.
- Do not operate the vehicle with damaged wires.

## Battery Using Caution :

- Ensure that you can take the risks that the Li-Po battery might bring. If do not agree this agreement, please return the product in new and unused condition to your purchase place.
- Charge the battery in a safe area and keep it away from flammable materials.  
Do not charge the battery in the place without anyone, when charging you should constantly observe this process.
- After discharging the battery, keep it cool to the room temperature before recharging. Before charging, it is not necessary to discharge the battery completely, as the Li-Po battery has no memory function, when using appropriate chargers and settings, the charging and discharging process is safe.
- To charge the battery, you have to use the only equipped charger or the charger compatible to Li-Po battery. If not to do so, it might cause fire causing injuries to people. Do not use nickel-cadmium or nickel-metal charger to charge Li-Po battery.
- At any time during charging and discharging period, the battery begins to balloon or swell, please stop using or charging immediately, and take the battery to the safe place away from flammable materials then observe it for at least 25 minutes. If continuing to use or charge the ballooned or swollen battery, it can cause a fire. The ballooned or swollen battery even in a small part should be ceased to use.

- Store the battery in the room temperature which is about 68-77 degree centigrade ,20-25 °C, also keep the battery partially charged about 50% charged/ y area.
- During transporting or temporarily storing the battery, the temperature should be from 4.4 to 37.7 degree centigrade. If store the battery in high temperature warehouse or put it under the direct sunlight, it will be damaged or even catch a fire
- Do not over discharge, which will make the voltage too low. It will shorten the service life of the battery or damage it thoroughly.

**Important Note:** Don't store the Li-Po battery in full charge, the best way to improve the safety and duration of the Li-Po battery is to make it partially charged (about 50% charged/3.85V). However, to achieve this voltage, it requires careful time management of charging time and a voltmeter.

## Charging Warnings :

The USB wire appendant to your vehicle is for safely and evenly charging the Li-Po battery.

**CAUTION!** All the instructions and warnings should be followed completely. Misdealing to battery may cause fire human injury and property loss.

- When dealing with charging or using of the Li-Po battery, you have to all the risks brought by it.
- Keep the charging battery away from flammable materials.
- Cease using immediately, when balloon and swell happens to the battery.
- Check the battery before charging, and never using damaged battery
- Disconnect the battery after charging, and then let the charger cool.
- Store the battery at room temperature in the dry place at the best choice.
- Monitor the temperature of battery constantly when charging.
- Keep the battery temperature from 40 to 120 F(that is 40-120 °C) when transporting or storing the battery.
- Do not store the battery in a car or under direct sunlight, or it will cause damage to the battery or even catch a fire.
- Use specially designed charger only when charging, it might cause fire and result in human injuries if using incompatible charger.
- Do not discharge battery until it's load lower than 6V.
- Do not charge unattended.
- Do not allow minors to charge the battery.
- Do not charge beyond the advised standard.
- Do not put the battery in extremely hot or cold places, ( The temperature of 40 to 120 F(that is 5-49 °C) is recommended) or put it under direct sunlight.
- Do not try to disassemble or alter the charger.

## Maintenance :

- Inspect if all screws are loose or not
- Apply lubricating oil to all the moving components
- Wipe off dust and oil
- Take out the battery from remote control if you not use it.

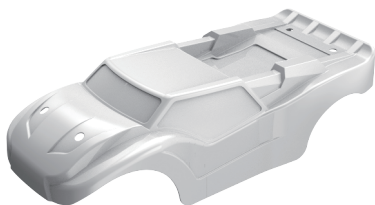
## Contents :

**The following parts are included**

■ Car Shell\*2 (To the actual product)



NO. HS181



NO. HM181

■ Body /Chassis (To the actual product)



NO. HS181



NO. HM181

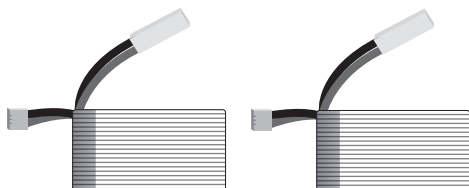
■ Remote Control 1 (Available option)



■ Instruction Manual



■ 7.4V Lithium battery\*2



■ USB charging Wire

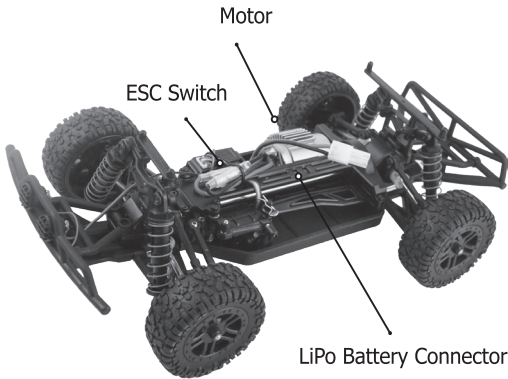
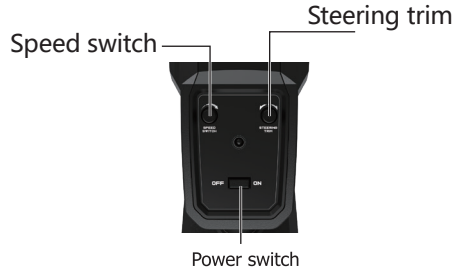


# Vehicle And Transmitter Parts :

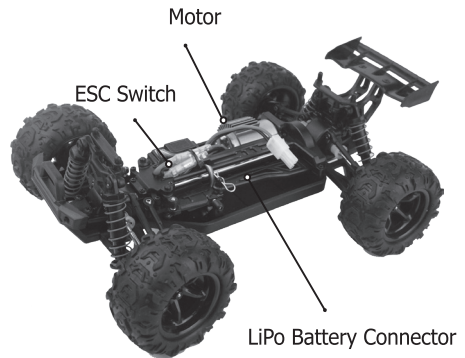
## Function introduction of Remote Control

Our company has configured a new remote control for the model, Please ready the operation on the instruction manual carefully. Below is the functions description of this remote control.

### ■ Remote Control 1



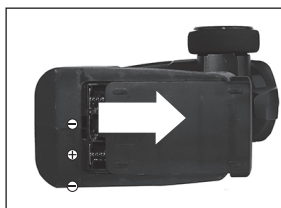
NO. HS181



NO. HM181

1. When the trigger is pulled back, the vehicle advances
2. When the vehicle is moving forward, push the trigger forward and the vehicle will brake;
3. When the trigger on the remote control returns to the midpoint, push the trigger forward again and the vehicle will retreat.

## How To Assemble Batteries Into Remote Control :



1. Slide the battery from bottom



2. Assemble 3 pieces of 1.5V AA non-rechargeable batteries according to the polarity



3. Reinstall the cover

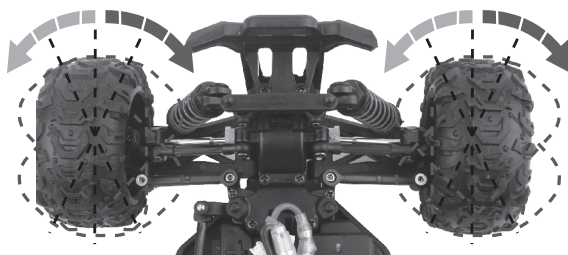


When the indicator light of the remote control flashes red slowly for 0.5 seconds each time, it is a low battery warning of the remote control. Stop the remote control of your car immediately and replace the 1.5V AAX3 battery again to avoid losing control

## Vehicle Manipulation :

### Turning Trim

#### Remote Control 1



When adjusted to 0, the steering angle is zero, the car did not turn at this time.

## Throttle Trim :

Use throttle to adjust the speed

Adjust to your ideal speed

Rotate it to the right, maximum speed will be increased



## During Charge :



1. Turn off the car
2. Plug the USB wire to your computer USB port or the USB adapter
3. Plug the Li-Po battery in your car to USB charging port.

**ATTENTION:** You have to plug the battery to the charging port before you plug the USB charging wire to computer USB port or adapter.

4. The Charging process takes about 150 minutes, do not charge more than 4 hours for the safety. During charging, the green LED light will be sparkling, it will be Always light on when finished charging.

5. Disconnect the battery from charger and reconnect the battery.

**ATTENTION:** Cool the battery for 10 to 15 minutes before charging.

Do not charge unattended .

The time of charging depends on the quantity of electricity left.

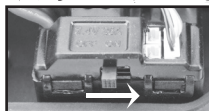


When the vehicle to play for a certain time, suddenly can not move forward and backward, leaving only the left and right turn, it is the car's battery low pressure protection function, at this time to remind you to stop the operation, and quickly charge the car battery

## Vehicle Operation :

### Start

1. Put the ESC switch to the "ON" position. (A)
2. Turn on the remote control by sliding the power switch to the "ON" position. The LED light will be on, if it's still off, Check if the batteries of the remote control are assembled in a right way. (B)
3. Turn off the power of the remote control after finishing operating. Ensure that you unplug the battery in your car, the battery may be damaged if failing to disconnect.



( A )



( B )

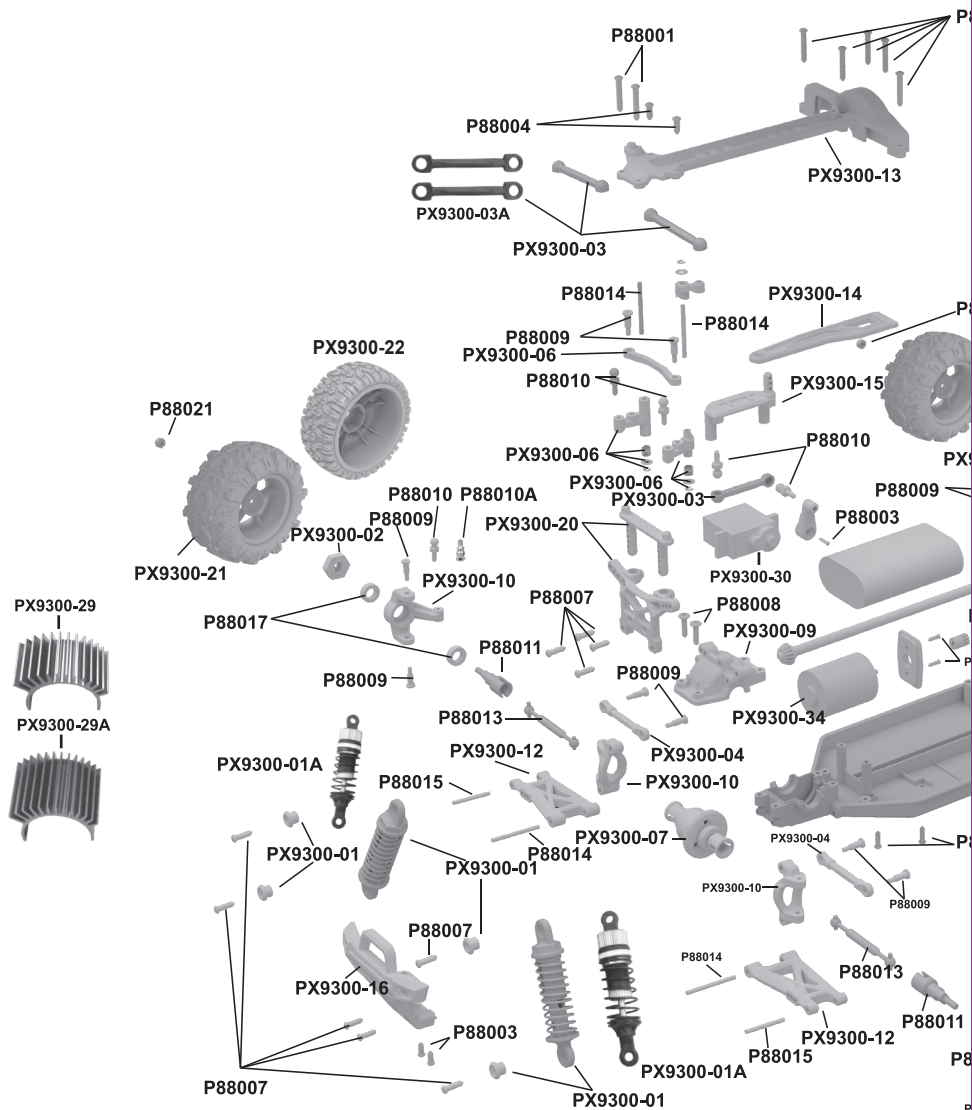
**NOTE:** Make sure the remote control and connector are connected correctly before driving.

### Operation :





# ASSEMBLY EXPLODED DIAGRAM



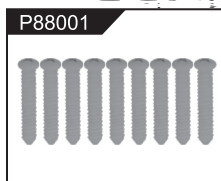


## 38001

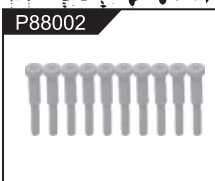


- Pull the trigger, making the car move forward slowly, Pull the trigger hard, the car will move faster.
- Push the trigger, it brakes. Push again, it drives reversely.
- Release the trigger when crashed.
- The car will roll to stop when the battery becomes low. The vehicle is equipped with LVC (Low Voltage Cutoff) in order to protect the battery.
- Make sure the battery cool when recharging
- Rotate the wheel to change direction.
- Always move the switches gently.

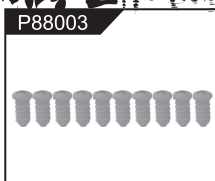
## Overview of accessories :



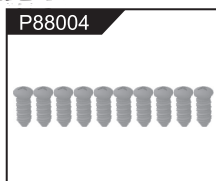
Φ2,3\*15 Round Head Screw



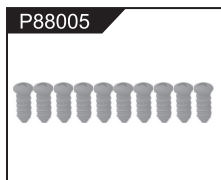
Φ1,8\*14 Round Head Screw



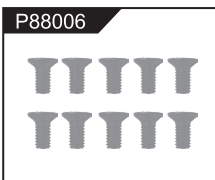
Φ2,3\*6 Round Head Screw



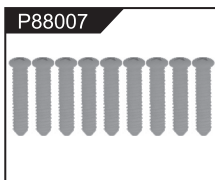
Φ2,3\*8 Round Head Screw



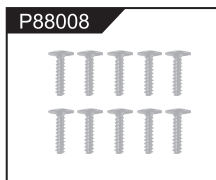
Φ2,3\*8 Flat Heard Screw



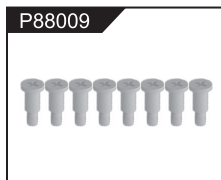
Φ2,5\*6 Flat Heard Screw



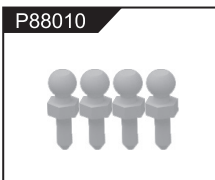
Φ2,3\*10 Flat Heard Screw



Φ2,3\*10Cap Heard Screw



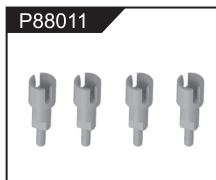
Φ2,3\*12 T-handle Screw



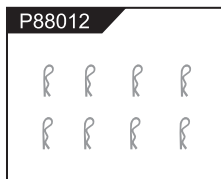
Φ4,5 Bulb head screw



Φ Bulb head screw(Update part)



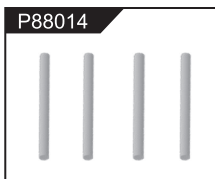
Φ6 Wheel cup Shaft



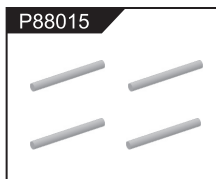
Φ 1 R type bolt



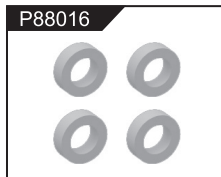
Wheel transmission shaft



Φ 2\*39 Iron rocker shaft



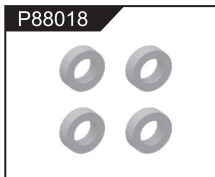
Φ 2\*20 wheel shaft



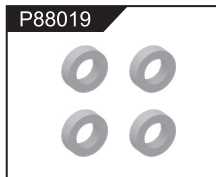
Φ8\*12\*3,5 oil bearing



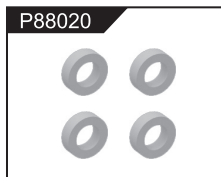
Φ6\*10\*3 oil bearing



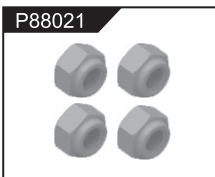
Φ8\*12\*3,5 ball bearing



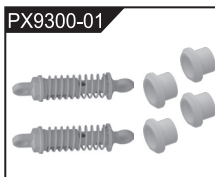
Φ6\*10\*3 ball bearing



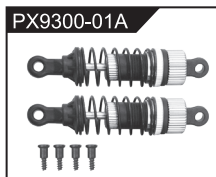
Φ4\*8\*3 ball bearing



M3 slid resistant nut



Shock absorption



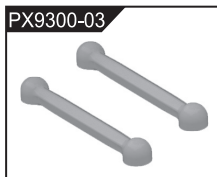
Oil Shock Absorber  
(Upgrade Parts)



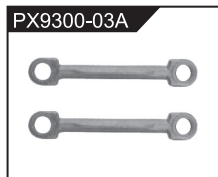
Damping Oil



Hexagonal socket shaft



Steering tie rod



Steering tie rod updated part



Shock absorption rod



Drive shaft assembly



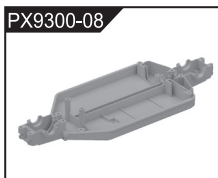
Drive shaft assembly-final drive



Steering linkage assembly



Differential assembly



Bottom wheel



Transmission cover



Steering universal wheel



Rear wheel seat



Left and right rocker arm



Motor bar



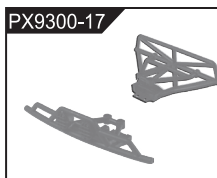
Battery layer



Steering gear compression



9300/9307 FRONT/REAR anti-collision



9301 Front /Back anti-collision frame



9300 Shore



9301 Shore



9302 Shore



HM181 Tire



H5181 Tire



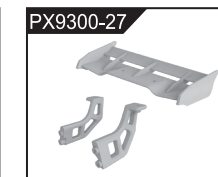
H5181 Tire Car body



HM181 Tire Car body



Roof Light And Lampshade



9302 tail



ReceivIng plate



Cooling fin



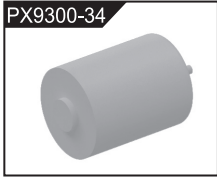
9g 5 wire steer gear



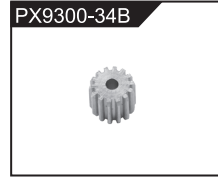
7.4V 850mAh Li-Po battery



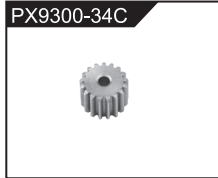
7.4V Li-Po battery balance



380 Motor



14 Gears Motor



Motor 17 Gears(Update Parts)



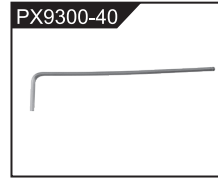
Remote control 1



Socket wrench

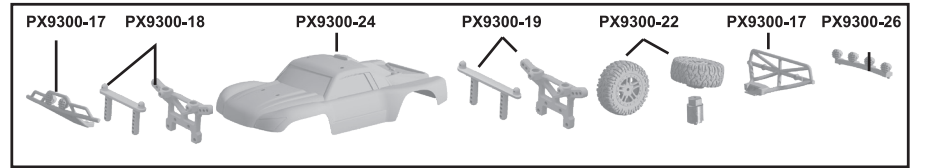


3MM cross tip screwdrivers

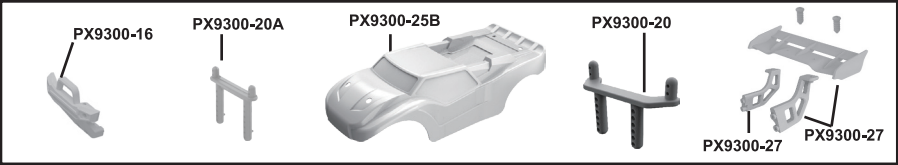


2 MM hexagon wrench

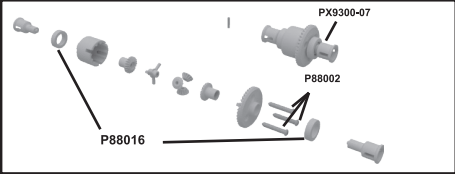
### HS181/HM181 ASSEMBLY VIEW



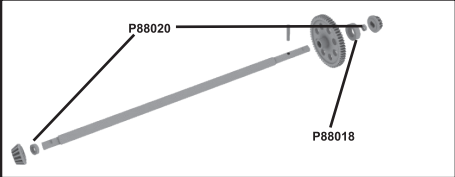
**9307E/9307 ASSEMBLY VIEW**



**FRONT & REAR DIFFERENTIAL EXPLODED VIEW**



**TIRE & WHEEL AXLE EXPLODED VIEW**



**DRIVE AXLE EXPLODED VIEW**

