

DRIVING THE VEHICLE

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 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.

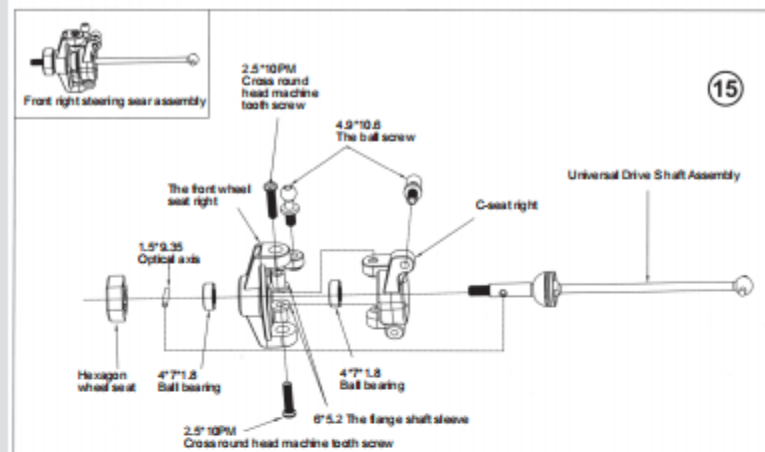
NOTE: Make sure the remote control and connector are connected correctly before driving.

OPERATION:

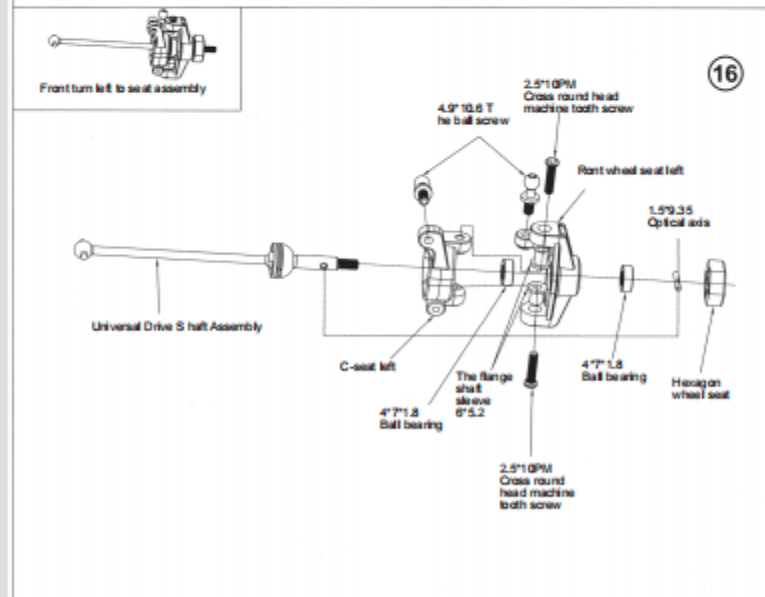
- To slowly drive forward, pull the trigger slightly. To drive faster, pull the trigger further.
- To brake, push the trigger. To drive in reverse, push again.
- During a crash, release the trigger.
- When the vehicle battery becomes low, the vehicle will roll to a stop. The vehicle is equipped with a LVC (Low Voltage Cutoff) to protect the battery.



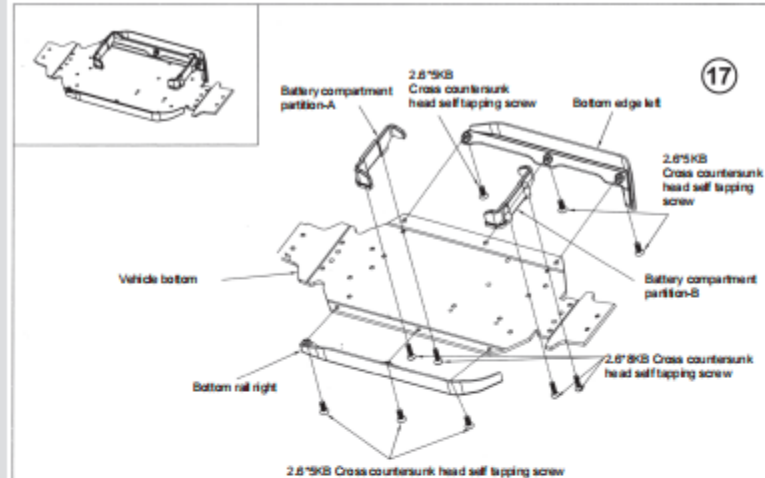
- Allow the battery to cool before recharging.
- To turn, rotate the wheel to the left or right.
- Always move the controls slowly and with a gentle touch.



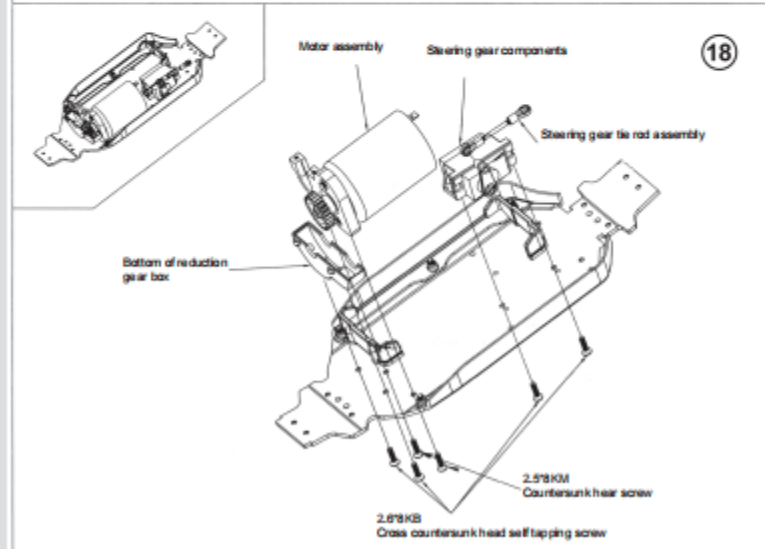
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SALE PARTS VIEW



Valve Box Component



Bottom side guard assembly



Ball head support assembly



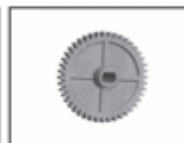
Anti-collision accessories components



Final-end firmware component



Second floor panel components



Slow down large tooth assembly



Battery partition assembly



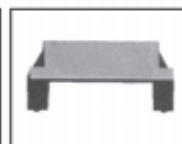
Speed gear upper and lower cover assembly



Tiller arm assembly



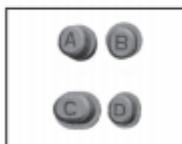
Motor seat press component



Steering seat press assembly



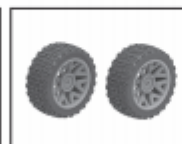
Hexagonal seat assembly



Front and rear arm sleeve



Switch to clutch component



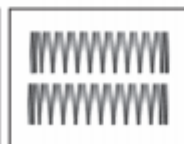
Front tire assembly



2.65 kb screw assembly



10T Differential Axle rod Teeth (hardware) Group



Shock absorber spring assembly



1.5*9.35 Optical axis

SALE PARTS VIEW



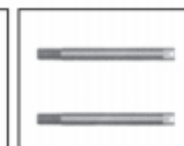
1*9 Optical axis



2.5*40 Optical axis



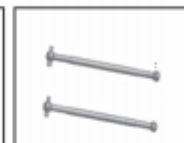
2*26 Optical axis



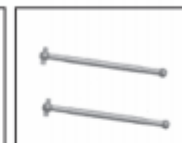
shock absorber shaft component



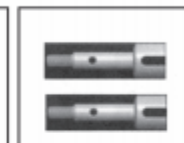
buffer spring assembly



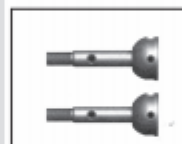
dog bone assembly



universal drive shaft assembly



rear wheel cup component



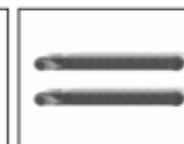
front wheel cup component



grass shaft assembly



universal cup spring assembly



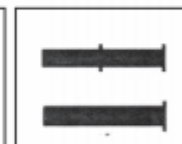
steering gear lever assembly



short pull bar assembly



long pull bar assembly



steering column assembly



steering column sleeve component



ball head component



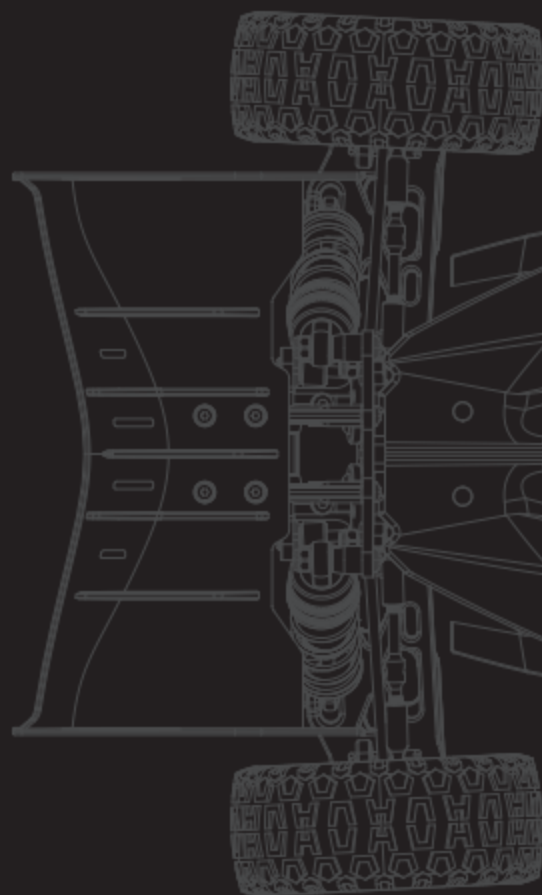
central transmission axis component



6*2.7 flange sleeve assembly

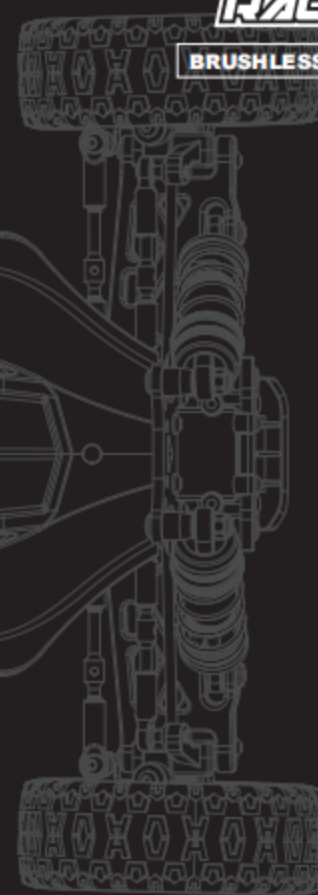


6*5.2 flange sleeve assembly



**SPORT
RACER**

BRUSHLESS MOTOR

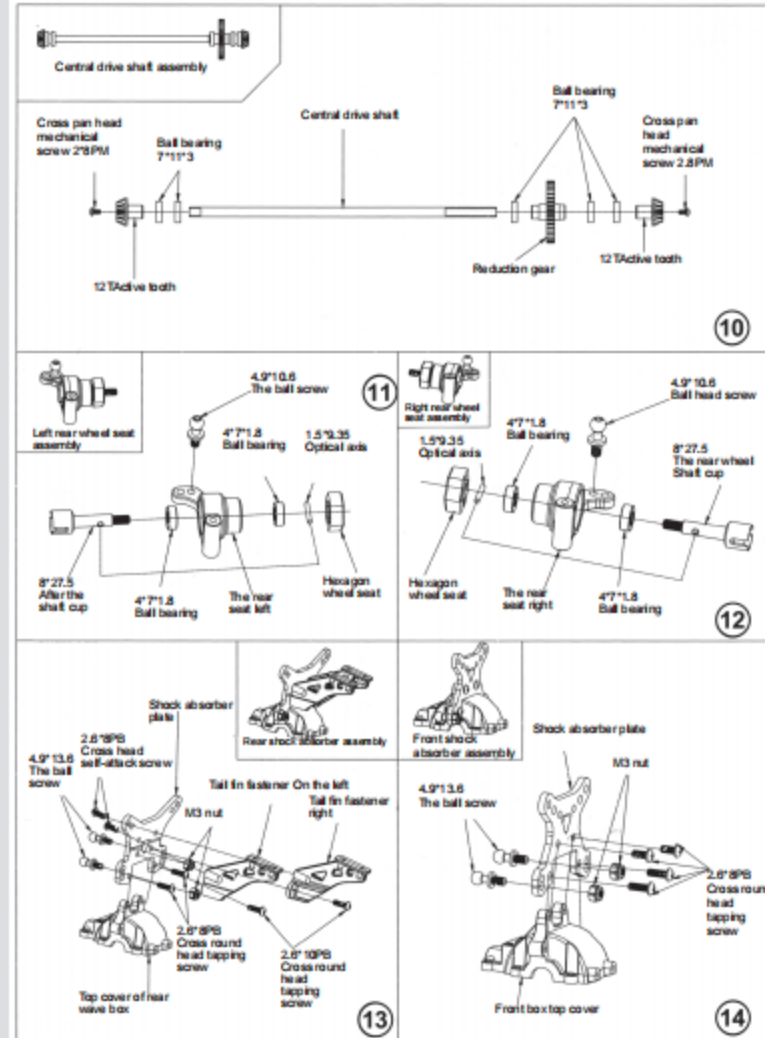
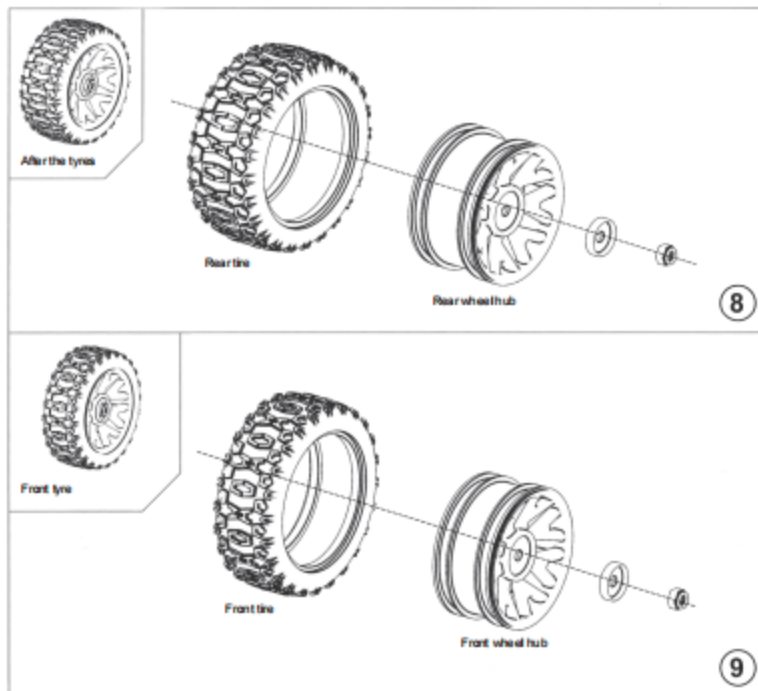


RC POWER 4WD OFF ROAD CAR 2.4GHz RADIO SYSTEM

Caution: This model is not a toy. It is designed for user over 14+ years of age. Please use this instruction and the R/C system instruction at the same time.

1:14

WARNING: PLEASE READ THE INSTRUCTION MANUAL CLEARLY
BEFORE OPERATING THE PRODUCT



CONTENTS

Included the following parts
■ Body (To the actual product)



NO. XDKJ-001



NO. XD KJ-002

■ Chassis (To the actual product)



■ Controller



■ USB Charger



■ 7.4V Battery



■ Instruction manual

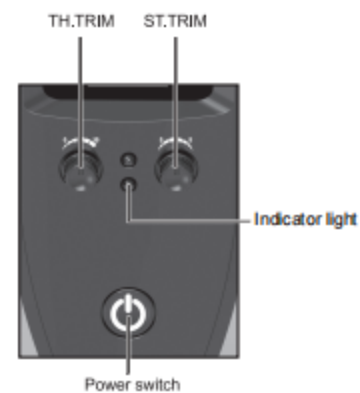


VEHICLE AND CONTROLLER PARTS

Controller function introduce

Our company has been configure a new-style transmitter for model car (Available option). Please read the instruction manual carefully. The following is the transmitter's description of all functions.

■ Controller



NOTICE: This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

BATTERY CHARGER SAFETY PRECAUTIONS AND WARNINGS

DANGER: To reduce the risk of fire or electric shock, carefully follow these instructions.

WARNING: Before charging, read the instructions. Failure to follow all instructions may result in excessive heat, FIRE, and ultimately injury and property damage.

- For indoor use, do not expose to rain.
- Never leave charging batteries unattended. Disconnect charger if batteries become hot or puff.
- Never charge batteries overnight.
- Never leave batteries near fire, water, or in extreme temperatures.
- Never impact or alter the batteries.
- Never leave the charger and battery unattended during use.
- Never attempt to charge dead, damaged or wet battery packs.
- Never attempt to charge a battery pack containing different types of batteries.
- Never allow children under 8 years of age to charge battery packs.
- Never charge batteries in extremely hot or cold places or place in direct sunlight.
- Never charge a battery if the cable has been pinched or shorted.
- Never connect the charger if the power cable has been pinched or shorted.
- Never attempt to dismantle the charger or use a damaged charger.
- Never attach your charger to both an AC and a DC power source at the same time.
- Never connect the input jack (DC input) to AC power.
- Always use only rechargeable batteries designed for use with this type of charger in the correct programming mode.
- Always inspect the battery before charging.
- Always keep the battery away from any material that could be affected by heat.
- Always monitor the charging area and have a fire extinguisher available at all times.
- Always end the charging process if the battery becomes hot to the touch or starts to change form (swell) during the charge process.
- Always connect the charge cable to the charger first, then connect the battery to avoid short circuit between the charge leads. Reverse the sequence when disconnecting.
- Always connect the positive red leads (+) and negative black leads (-) correctly.

- Always disconnect the battery after charging, and let the charger cool between charges.
- Always charge in a well-ventilated area.
- Always terminate all processes and contact Horizon Hobby if the product malfunctions.
- Charge only rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

WARNING: Never leave charger unattended, exceed maximum charge rate, charge with non-approved batteries or charge batteries in the wrong mode. Failure to comply may result in excessive heat, fire and serious injury.

CAUTION: Use only with compatible batteries in the correct program mode. Not doing so can result in excessive heat and other related product malfunctions, which can lead to user injury or property damage. Please contact Horizon Hobby or an authorized retailer with compatibility questions.



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Instruction of common tools and installation the electronic part	7-15
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Troubleshooting	30-31



WARNINGS

MEANING OF SPECIAL LANGUAGE

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND little or no possibility of injury.



WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product and NOT a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for children under 8 years. This is not a toy.

SAFETY PRECAUTIONS AND WARNINGS

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the product or property of others.

This model is controlled by a radio signal subject to interference from many sources outside your control. This interference can cause momentary loss of control, so it is advisable to always keep a safe distance in all directions around your model as this margin will help avoid collisions or injury.

- Never operate your model with low transmitter batteries.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Never operate the model in the street or in populated areas for any reason.
- Carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.) you use.
- Keep all chemicals, small parts and anything electrical out of the reach of children. Never lick or place any portion of the model in your mouth as it could cause serious injury or even death.
- Exercise caution when using tools and sharp instruments.

- Take care during maintenance as some parts may have sharp edges.
- Immediately after using your model, do NOT touch equipment such as the motor, electronic speed control and battery, because they generate high temperatures. You may burn yourself seriously touching them.
- Do not put fingers or any objects inside rotating and moving parts, as this may cause damage or serious injury.
- Always turn on your transmitter before you turn on the receiver in the car. Always turn off the receiver before turning your transmitter off.
- Keep the wheels of the model off the ground when checking the operation of the radio equipment.



WARNING AGAINST COUNTERFEIT PRODUCTS: Always purchase from a Horizon Hobby, LLC authorized dealer to ensure authentic high-quality Spektrum product. Horizon Hobby, LLC disclaims all support and warranty with regards, but not limited to, compatibility and performance of counterfeit products or products claiming compatibility with DSM or Spektrum technology.

WATER-RESISTANT VEHICLE WITH WATERPROOF ELECTRONICS

Your new Horizon Hobby vehicle has been designed and built with a combination of waterproof and water-resistant components to allow you to operate the product in many "wet conditions," including puddles, creeks, wet grass, snow and even rain.

While the entire vehicle is highly water-resistant, it is not completely waterproof and your vehicle should NOT be treated like a submarine. The various electronic components used in the vehicle, such as the Electronic Speed Control (ESC), servo(s) and receiver are waterproof, however, most of the mechanical components are water-resistant and should not be submerged.

Metal parts, including the bearings, hinge pins, screws and nuts, as well as the contacts in the electrical cables, will be susceptible to corrosion if additional maintenance is not performed after running in wet conditions. To maximize the long-term performance of your vehicle and to keep the warranty intact, the procedures described in the "Wet Conditions Maintenance" section below must be performed regularly if you choose to run in wet conditions. If you are not willing to perform the additional care and maintenance required, then you should not operate the vehicle in those conditions.



CAUTION: Failure to exercise caution while using this product and complying with the following precautions could result in product malfunction and/or void the warranty.

General Precautions

- Read through the wet conditions maintenance procedures and make sure that you have all the tools you will need to properly maintain your vehicle.
- Not all batteries can be used in wet conditions. Consult the battery manufacturer before use. Caution should be taken when using Li-Po batteries in wet conditions.
- Most transmitters are not water-resistant. Consult your transmitter's manual or the manufacturer before operation.
- Never operate your transmitter or vehicle where lightning may be present.
- Do not operate your vehicle where it could come in contact with salt water (ocean water or water on salt-covered roads), contaminated or polluted water. Salt water is very conductive and highly corrosive, so use caution.

• Even minimal water contact can reduce the life of your motor if it has not been certified as water-resistant or waterproof. If the motor becomes excessively wet, apply very light throttle until the water is mostly removed from the motor. Running a wet motor at high speeds may rapidly damage the motor.

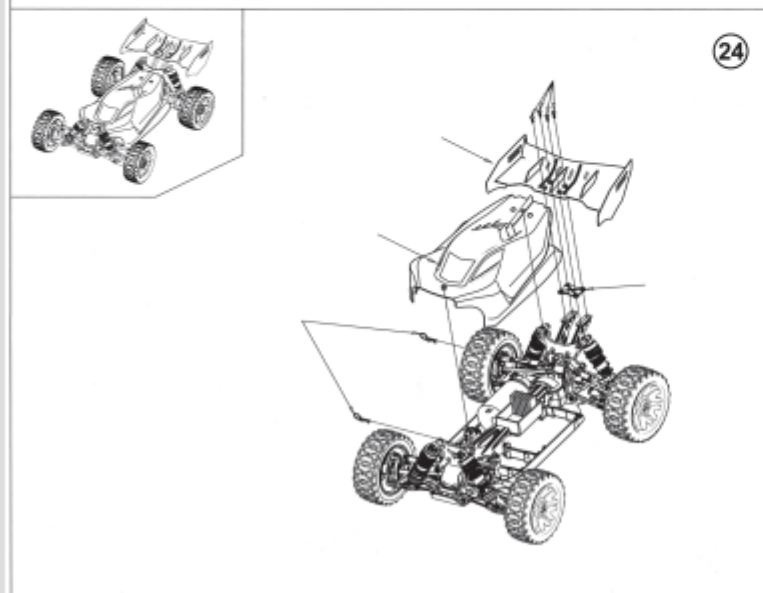
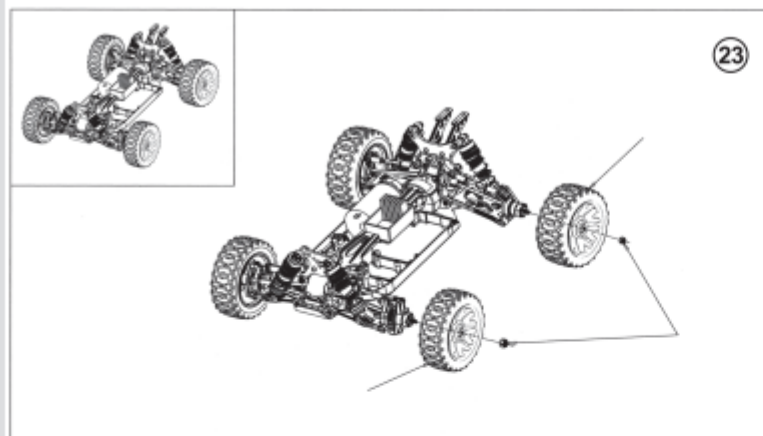
• Driving in wet conditions can reduce the life of the motor. The additional resistance of operating in water causes excess strain. After the gear ratio by using a smaller pinion or larger spur gear. This will increase torque (and motor life) when running in mud, deeper puddles, or any wet conditions that will increase the load on the motor for an extended period of time.

Wet Conditions Maintenance

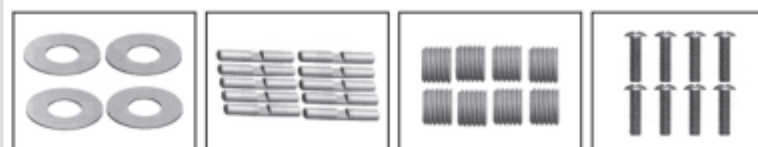
- Remove the battery pack(s) and dry the contacts. If you have an air compressor or a can of compressed air, blow out any water that may be inside the recessed connector housing.
- Remove the tires/wheels from the vehicle and gently rinse the mud and dirt off with a garden hose. Avoid rinsing the bearings and transmission.

NOTICE: Never use a pressure washer to clean your vehicle.

- Use an air compressor or a can of compressed air to dry the vehicle and help remove any water that may have gotten into small crevices or corners.
- Spray the bearings, drive train, fasteners and other metal parts with a water-displacing light oil or lubricant. Do not spray the motor.
- Let the vehicle air dry before you store it. Water (and oil) may continue to drip for a few hours.
- Increase the frequency of disassembly, inspection and lubrication of the following:
 - Front and rear axle hub assembly bearings.
 - All transmission cases, gears and differentials.
 - Motor—clean with an aerosol motor cleaner and re-oil the bushings with lightweight motor oil.
- Drain any water that has collected in the tires by spinning them at high speed. With the body removed, place the vehicle upside down and pull full throttle for a few short bursts until the water has been removed.



SALE PARTS VIEW

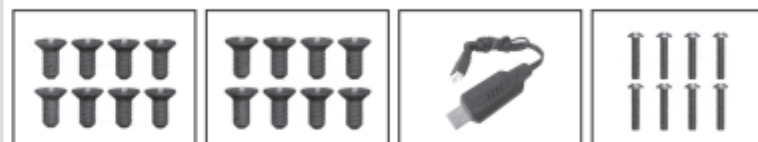


12*5.2*0.2 gasket set assembly

Differential shaft assembly

M3*3 Inner hexagonal screw assembly

2.5*10PM screw assembly

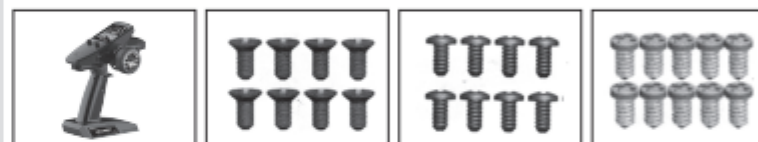


2.5*80M screw assembly

3*80M screw assembly

USB charging line

3*12PM screw assembly



Remote controller

2*80M screw assembly

2*6PM screw assembly

ST2*7PM screw assembly



30T Differential Large Teeth (Hardware) Component

12T Active Teeth (Hardware) Group

24T Differential Large Planetary Teeth (Hardware) Group

Car body assembly CARBON FIBRE BODY



Front and rear arms

Metal front C-seat

Metal back C-seat

Metal front C-seat at the shell

SALE PARTS VIEW



4.9*13.8 ball head screw assembly



4.9*10.6 ball head screw assembly



4.0*9.5 ball head screw assembly



s2.7*6 screw assembly



s2.6*6 screw assembly



m3.5 inner hexagonal screw assembly



magic paste group



ball bearings 7*11*3 groups



s2.6*6 screw assembly



2.5*6*mm screw assembly



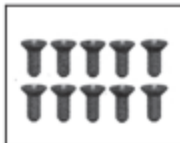
m3 base nut assembly



motor teeth 27 group



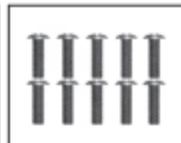
7.4V Li-ion battery



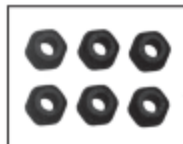
s2.6*6 screw assembly



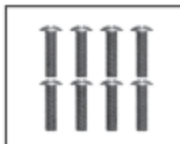
s2.6*6 screw assembly



s2.6*10 screw assembly



m3 flange nut



3*20mm cross round head machine screw



2*4*mm cross round head machine screw



2.5*6*mm cross round head machine screw

SALE PARTS VIEW



shock absorber assembly



motor block component



steering connecting rod assembly
CARBON FIBRE BODY



motor components



front swing arm reinforcement module
CARBON FIBRE BODY



backswing arm reinforcement module
CARBON FIBRE BODY



rudder assembly



coaxial component



Powder Metallurgy
differential



receiver board assembly



shock absorbers



Car shell and empennage



Car shell and empennage

OPEN THE BODY OF THE CAR



CONNECT ESC AND POWER ON

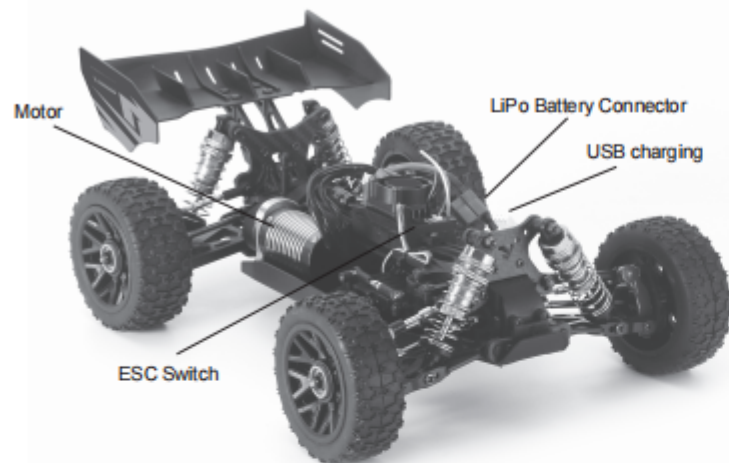


CONTROLLER ON FIRST



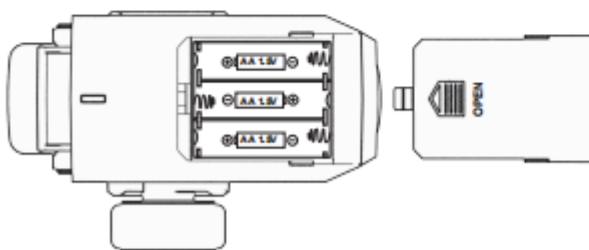
CAR ON SECOND



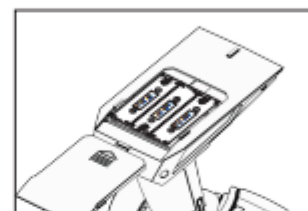
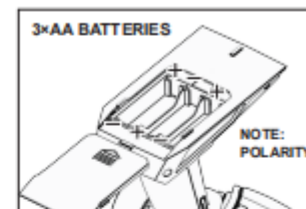


INSERT BATTERIES INTO THE CONTROLLER

Insert (3) 1.5V AA Non-rechargeable batteries, following the polarity information



INSTALL AA BATTERIES IN CONTROLLER

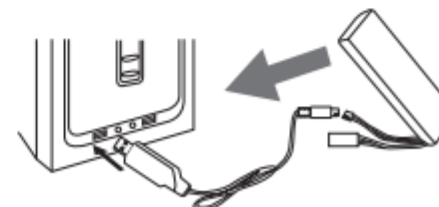


⚠ CAUTION: Only charge rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.

⚠ CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to national regulations.

RECHARGEABLE BATTERY

Connect the battery and USB cable, plug the USB cable into the power socket and charge it for about 3 hours. When charging, the red LED will be on and the red LED will be off.



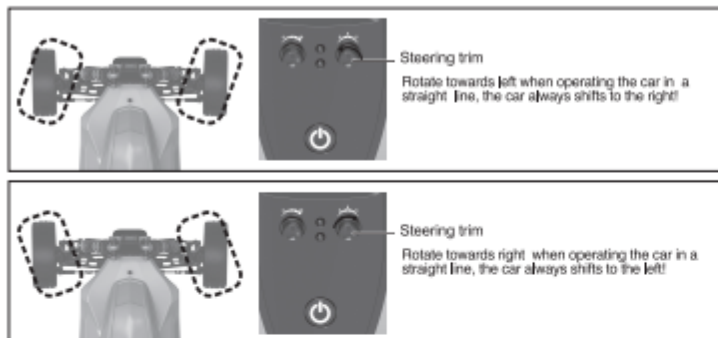
TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Vehicle does not move	Batteries are incorrectly installed in transmitter	Check transmitter batteries and re-fit - see model/transmitter manual
	Weak, damaged or no drive battery in model	Install fresh, charged batteries
	Frayed or broken motor or ESC wires	Check condition, reconnect and insulate
	ESC has shut down due to overheating	Stop driving and allow ESC or motor to cool down
	Electric motor is damaged	Replace with new unit
	Waterproof ESC is damaged	Replace with new unit
	Possible damage to transmission/drive-line	Check components and replace
	ESC low voltage cutoff has activated to protect batteries	Remove drive battery, leave to cool down if necessary, and re-charge
Vehicle does not reverse	Waterproof ESC is damaged	Replace with new unit
Vehicle drives without input	Transmitter throttle trim incorrectly set	Throttle trim needs to be set to zero/neutral - see model/transmitter manual
	Neutral throttle position of ESC Unit incorrect	Re calibrate the ESC
Short runtime	Battery damaged or not fully charged	Check condition, replace or recharge
	Electric motor dirty or damaged	Clean, check condition and/or replace
	Incorrect ESC battery mode - voltage cutoff too high for the battery you are using	Adjust the battery mode of the unit
Sluggish performance	Battery damaged or not fully charged	Check condition, replace or recharge
	Transmitter throttle trim incorrectly set	Throttle trim needs to be set to zero/neutral - see model/transmitter manual
	Electric motor dirty or damaged	Clean, check condition and/or replace
	Drivetrain dirty or damaged	Clean, check condition and/or replace

No control of vehicle or short range	Transmitter batteries are weak or fitted incorrectly	Check transmitter batteries and re-fit - see model/transmitter manual
	Servo wires to receiver loose or connected incorrectly	Reinstall signal wires to receiver
	Transmitter and receiver unit are not 'bound' correctly	Transmitter and receiver need to be bound - see model/transmitter manual
Steering/Throttle operation intermittent	ESC has shut down due to overheating	Stop driving and allow ESC or motor to cool down
	Transmitter and receiver unit are not 'bound' correctly	Check for sources of interference and re-bind transmitter/receiver - see transmitter manual
Vehicle wanders left/right without steering input	Steering trim setting out	Adjust steering trim - see model/transmitter manual
	Damaged steering components	Check components and replace
	Drivetrain dirty or damaged	Clean, check condition and/or replace
Steering/Throttle operation reversed	Relevant channel of transmitter is reversed	Reverse relevant channel on transmitter - see model/transmitter manual
	Check that the wires from the ESC to the motor are connected correctly	Reconnect in the correct orientation (red to red and black to black) ensuring fit is tight; if not pinch female connector with pliers
Limited steering angle	Transmitter steering dual-rate set incorrectly	Adjust transmitter dual-rate - see transmitter manual
	Damaged steering components	Check components and replace

STEERING TRIM-1

Adjusts the neutral/center position of the steering angle range. The function to make a fine adjustment so that a car goes straight.



THROTTLE TRIM-2

Adjusts the max running speed you like.



CHARGING PROCEDURE

1. Switch off the car.

2. Carefully plug the USB Line into USB port on your computer or USB adapter.



3. Plug the Vehicles lipo battery into the charging. NOTE: You must plug the USB line into the USB port/adapter first before plugging the battery into the USB charging cable for the USB line charge to perform properly.



4. The charging process takes approximately 2 hours. For safety reasons, never charge the battery for longer than 4 hours.

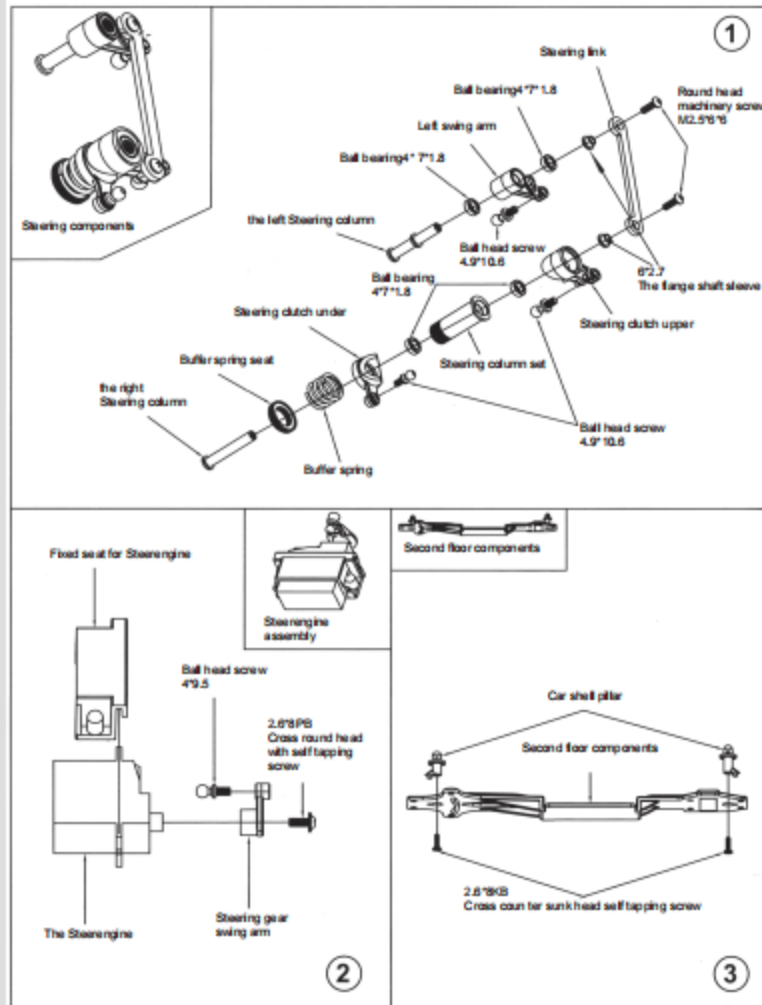
5. Disconnect the battery from the charger and reconnect the battery to the speed control.

ATTENTION: Allow the battery to cool off for 10-15 minutes before recharging.

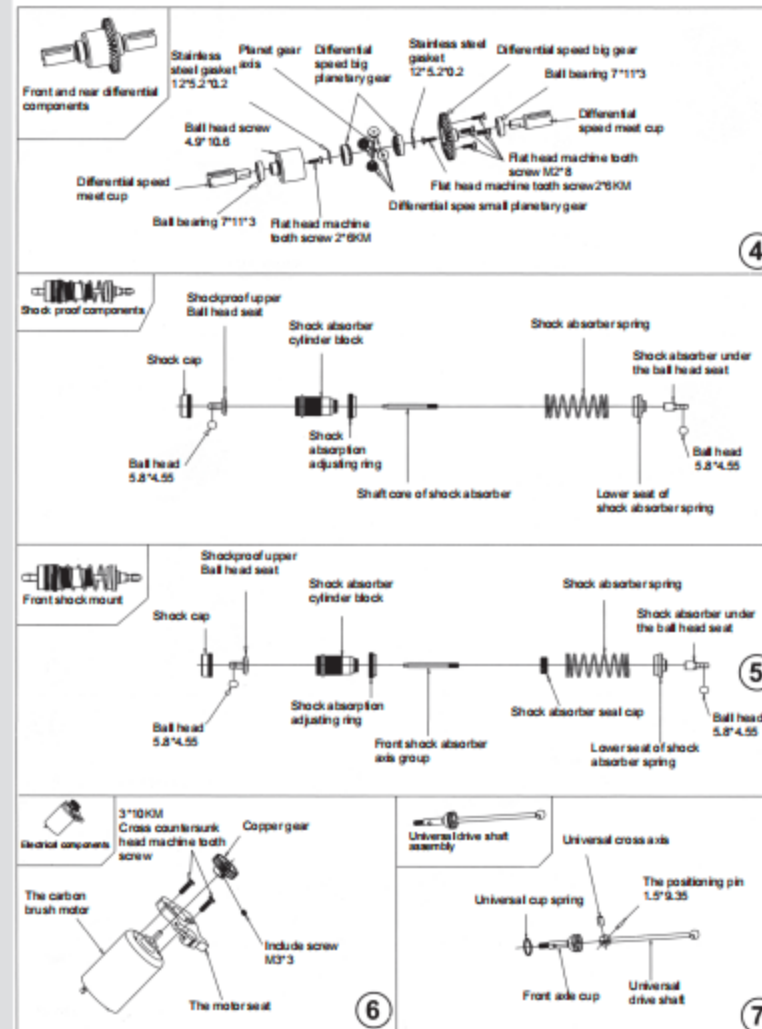
Do not leave the battery unattended during the charging process.

Charge times will Vary depending on how much charge is left in the battery.

ASSEMBLY EXPLODED DIAGRAM



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