1/8 Scale 4WD Electric off-road Truggy

Manual

www.zdhobby.com



B-10E Specifications

Length.....21.65" (550mm) Width16.93" (430mm) Height 8.1"(205mm) Gear Ratio..... 12.95:1

Ground Clearance.... 3.15" (80mm)

Wheel Spec.... φ5.32x2.76" (φ135x70mm) Wheel base.....14.49"-14.65"(368-372mm)



This manual expatiate the structure of the model. In order to better maintain and replace the spare parts,please keep and take it for reference. The user who is not familar with the assembling,please contact with the wholesaler,nominated model shops and the Special after-sale service

The actual version is subject to the real standard. It would be varied because of different versions.

The spare parts, appearance of this model will be tiny revised and changed before totally upgrade into a new version, ZD reserve this rights, and no further notice.



INTRODUCE

Thank you for choosing the ZD racing series products. Our company take the target of offering the top quality and best service. Through attending the competitions and repeated testing the products, constantly enhancing our experience, then further improving the design and quality control. Only for showing the great performance products. This manual including all the important matter before operating the car. We advise studying and knowing the control system before assembling or playing it. As well as the further upgrade and maintenance. Please feel free to consult our authorized dealer, nominated model shop or special after-sale service station if any question refer to the play or use. Our website is:www.xingyaohua.com. We are wholeheartedly for your service.

QUALITY ASSURANCE

Our company take the fully responsibility to the quality defect during the manufacturing process. This assurance is only subject to the product only and its spare parts.

These situation below are not included:

The breakage caused by using assembling or adjustment.

The other breakage not related to the quality itself.

IMPORTANT STATEMENT

The Model Car is not a toy. It is the casual item combine a lot of high technology products. If using improper may bring serious damage. Please read the manual detailed before using, and keep yourself safe.

Attention: Any operation of the Model car, the manufacturer and dealers are incapable of take the responsibility of the accidents caused by wear out or abnormal assemble.

This product is provided to those who have operation remote control model car experience or a technical personnel in the guidance of the local legal field, in has to ensure the safe and correct operation under the condition of use. Our company will not accept any operation and use the control on any performance and safety responsibility

The RC products are belong to consumable goods, if disassemble, it may cause the spare parts loss, Any use of goods caused by bad or not satisfied, will not be able to replace or return, such as in case of operation maintenance problems, the company designated national distributor model shop and special after-sale service store will provide technical guidance, and special parts supply services.



Warning: because of the neglect of these operating instructions, and use wrongly may cause property damage or serious injury.

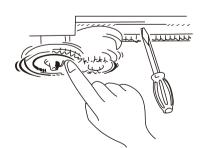
Note: because of the neglect of these operating instructions, and use wrongly could be dangerous.

Ban: in any prohibited environment, do not try to operation.

SAFETY GUIDELINES

- 1. Don't operation the models close to open fires or near heat source.
- 2. Operation must be in the open and dry site.
- 3. The thunderstorm weather is forbidden to operate this product.
- 4. Away from the high voltage cables.
- 5. Some of the parts will be exothermic or burning after operated.
- 6. Please do not use hand or foreign body contact activities of the parts before cut off the power supply, .
- 7. During the operation, if foreign matter or liquid get into eyes, please timely with plenty of water flush eyes, and immediately consulting professional doctor. As the body is injured, please seek immediate medical attention.
- 8. Keep out of the reach of children, this is not toy, strongly suggest adult supervision.
- 9. Placed in ventilated and dry place, do not use, take the battery out.
- 10. The product items do not diet or swallowed.















Checking the packaging and accessories

Opened the packing box, please check the attached accessories are complete or incomplete. If there are omissions, please go to the seller's.

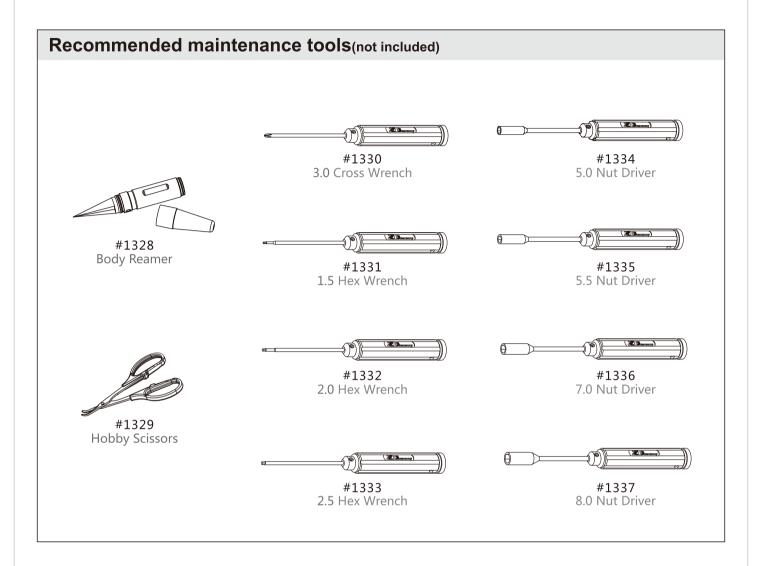
Brushless(9021)











Symbols used throughout the instruction manual



All kinds of grease (not included on the products)



Apply CA glue (not included)

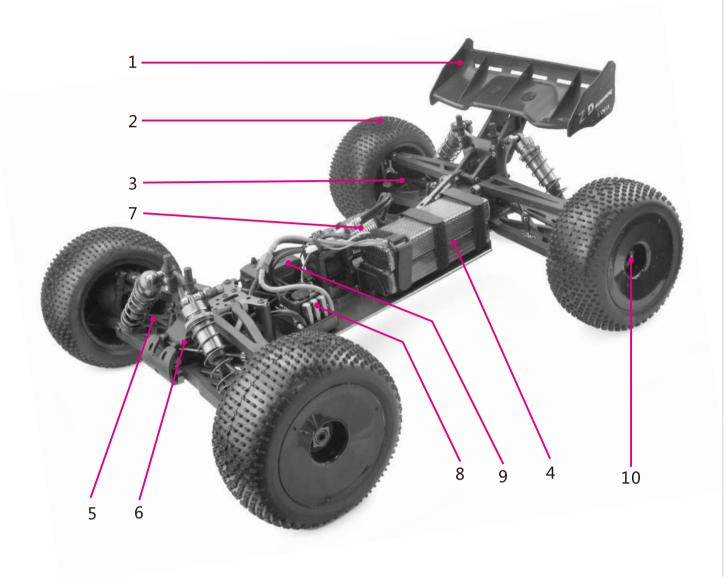


Assemble both L/R sides



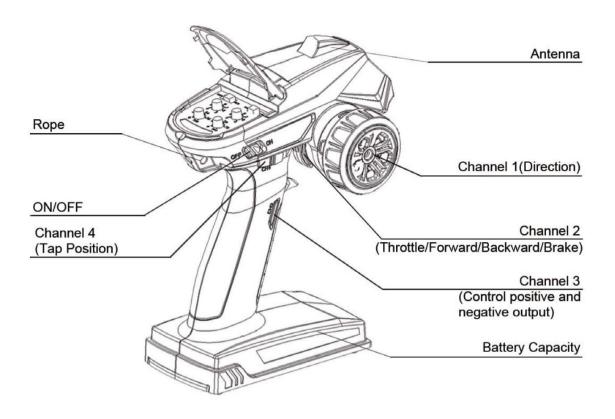
Assemble both F/R sides

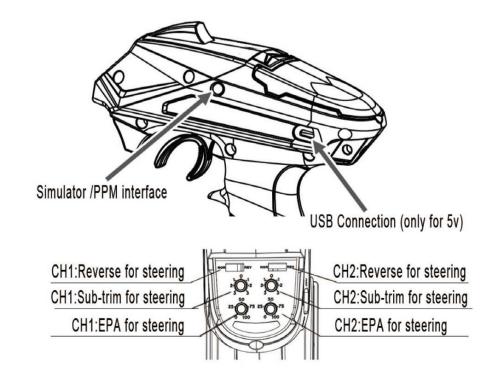




1	Tail	6	Gear Box
2	Tire	7	Brushless Motor
3	Drive Shaft	8	Brushless ESC
4	Battery	9	Receiver
5	Drive Shaft	10	Locknut

2.4G RC WITH 3-CHANNELS SETUP AND FAIL SAFE FUNCTION

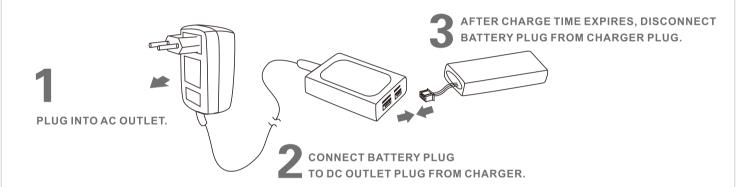






CHARGING THE BATTERY PACK

- A. Once the battery ready to be charged, first plug the AC quick charger into the outlet of AC power source, and then connect the battery input/output harness to the charger.
- B. Continued to monitor the battery as it is being charged. As soon as the battery is fully charged, disconnect the battery. from the charger plug (Over-charging or charging incorrectly using inadequate chargers may cause the battery pack to become dangerouslyhot).
- C. For best results, let the battery pack cool before charging. Heat may prevent the battery pack from charging to full capacity and also decreases the performance of the battery.



LiPo BATTERIES

Lithium Polymer (Li-Po) batteries are becoming popular for use in R/C models due to their compact size, high energy density, and high-current output. However, these types of batteries require special care and handling procedures for long life and safe operation.

Warning: Lithium Polymer (Li-Po) batteries are intended only for advanced users that are educated on the risks associated with Li-Po battery use. THUNDER TIGER/ACE RC does not recommend that anyone under the age of 16 use or handle Li-Po battery packs without the supervision of a knowledgeable and responsible adult.

Important: Do not use NiCd/Ni-MH battery chargers for Li-PO batteries. If you do not use a special charger for Li-PO battery, they will be damaged.

Please note! Consumers for use or installation of lipo battery in the remote control model belongs and cause any Direct or indirect damages, our company will not bear any legal liability.

TROUBLESHOOTING

If you have trouble starting or keeping your love car running, here's a quick checklist of what to look for first.

Description	Problem	Solution
Car dies or slows	Speed control over heats	Let it cool and try later
Car is glitching	Car has a problem on power	Check for loose wires, dead radio batteries or loose crystals.Check motor capacitors, losse wires or crystals.
Motor is overheats	Gear mesh is too tight	Let motor cool and check recommended gearing for motor type. Reset gear mesh
No power	Battery is discharged	Charge battery Charge battery
No throttle	Motor not plugged in Motor failure No throttle, only steering	Plug motor in Replace motor A-T-L function works;turn off the vehicle first and follow the guide to turn on the radio. (Radio first, vehicle second!!!)
	Motor keeps running	Check if the throttle trim knob is in neutral position.
No steering	Servo not plugged in Locked up steering linkage Servo failure	Plug servo into ESC unit Free up steering linkage Replace servo
Reversing	Goes backwards when you pull the trigger or goes right when turning the wheel left	Check throttle / steering reversing switches on transmitter







M3x12mm Countersunk Screw





Set Screw M4x4





Ball bearing φ16x8x5

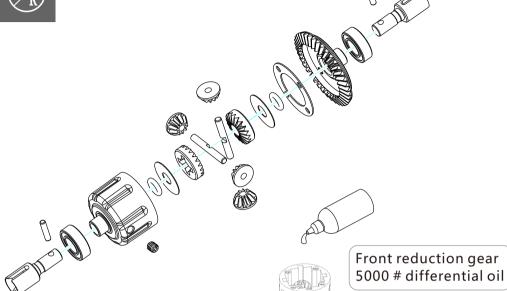




φ2.5x11 Pin Set

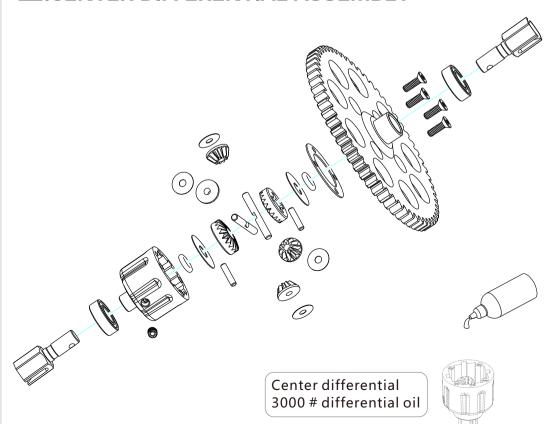






Rear reduction gear 1000 # differential oil









M3x12mm Countersunk Screw





Set Screw M5x4





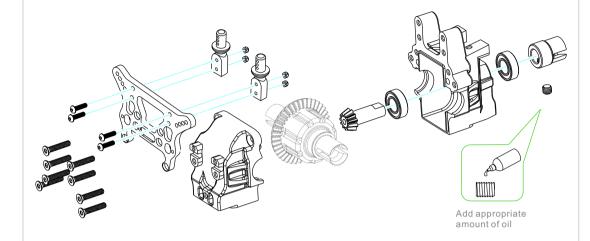
Ball bearing ϕ 16x8x5



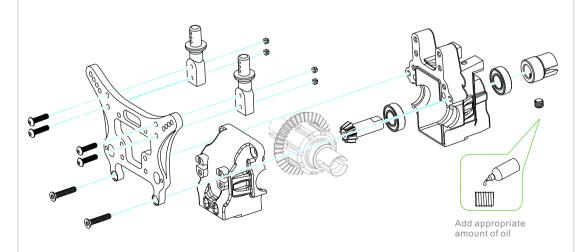


M3x12mm Button Head Screw

3.FRONT GEAR BOX ASSEMBLY



4.REAR GEAR BOX ASSEMBLY



0



Set Screw M3x4





Countersunk Screw





M3x12mm Countersunk Screw





M3x12mm **Button Head Screw**





Lock Nut M3





4x76mm Hinge Pin





M3x12mm Socket Cap Screw





3x37mm Hinge Pin





M4x12mm **Button Head Screw**





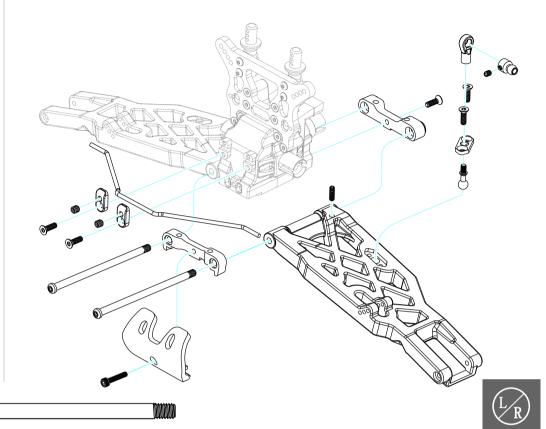
M4x16mm Countersunk Screw



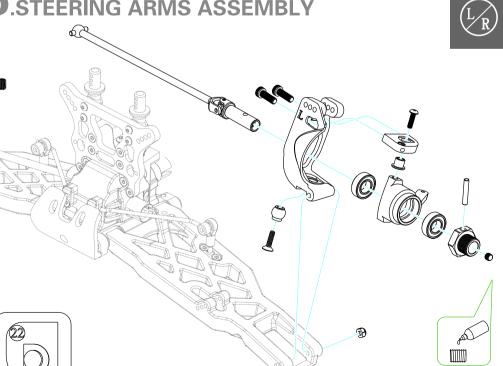


Set Screw M4x4

5.FRONT LOWER SUSPENSION ARM ASSEMBLY

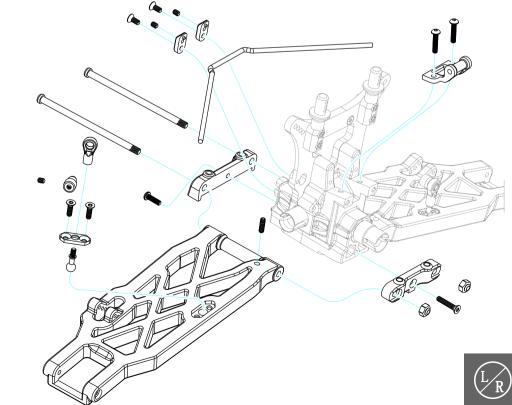


6.STEERING ARMS ASSEMBLY





1:1 Scale 7.FRONT UPPER SUSPENSION ARM ASSEMBLY (0)M3x12mm Countersunk Screw kamaaaaaaaaaaaaaaaaaaaaa M3x25mm Socket Cap Screw 3.5x48mm Hinge Pin Lock Nut M3 8.REAR LOWER SUSPENSION ARM ASSEMBLY Set Screw M3x4 (0) M3x6mm



Countersunk Screw

Button Head Screw

 (\circ)

M3x12mm

Lock Nut M4

M3x6mm





M3x25mm Socket Cap Screw





M3x12mm Socket Cap Screw

0



φ3x17 Pin Set





Lock Nut M3





3x42mm Hinge Pin





M3x12mm Button Head Screw





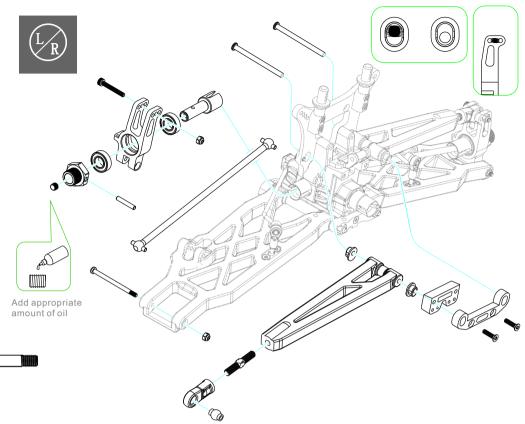
M3x16mm Button Head Screw



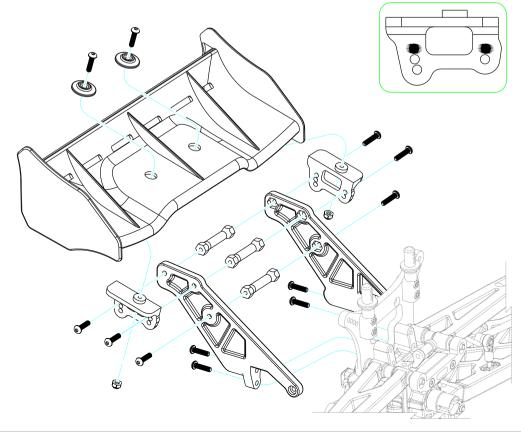


Lock Nut M3

9. REAR HUB CARRIER ASSEMBLY









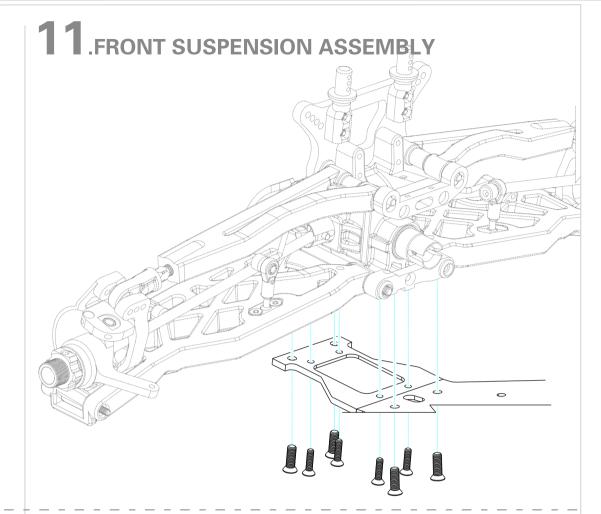


M3x12mm Countersunk Screw





M4x12mm Countersunk Screw







M3x12mm Countersunk Screw





M4x12mm Countersunk Screw



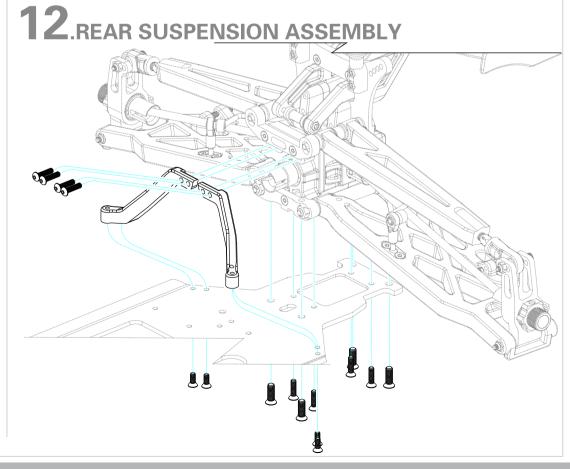


M3x12mm Button Head Screw





M3x10mm Countersunk Screw









M3x16mm Button Head Screw





M3x13mm Button Head Screw



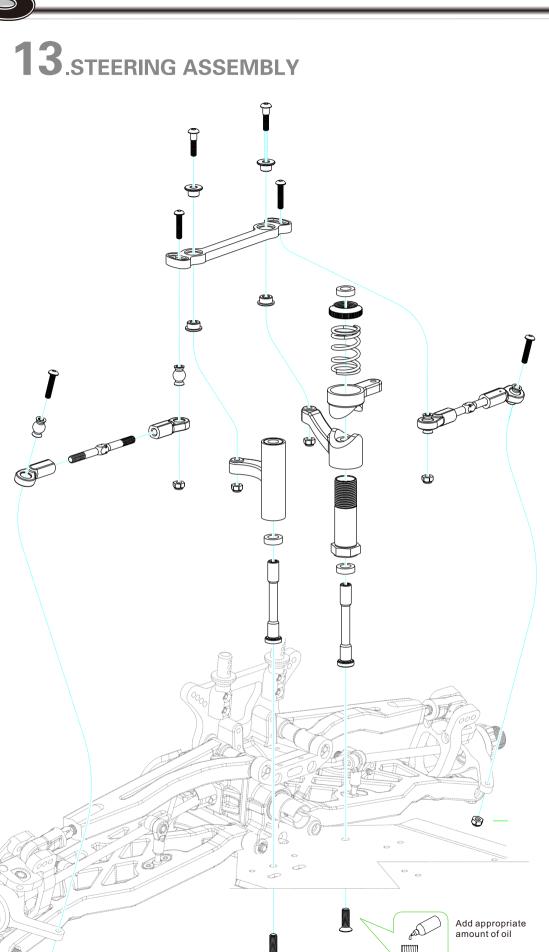


M4x8mm Countersunk Screw





Lock Nut M3







8078 M3x10mm Button Head Screw





8456 M3x8mm Socket Cap Screw



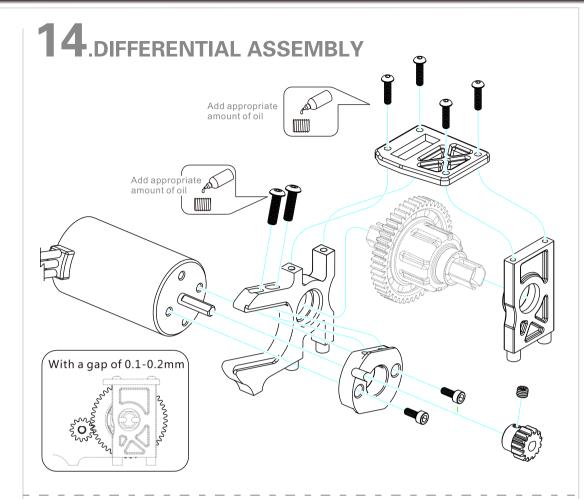


8456 M4x14mm Button Head Screw





8084 Set Screw M3x4







M4x8mm Button Head Screw





M3x10mm Button Head Screw





M3x32mm Button Head Screw



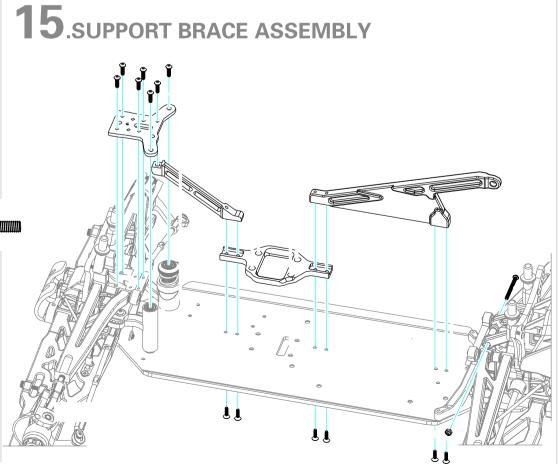


M3x14mm Countersunk Screw





Lock Nut M3

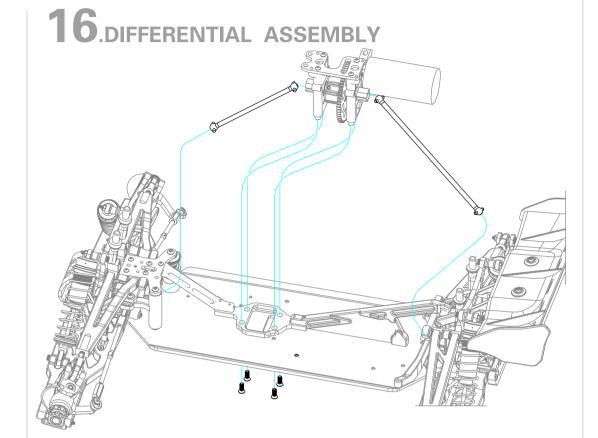








M4x8mm Countersunk Screw







M3x10mm Countersunk Screw





M3x18mm Button Head Screw



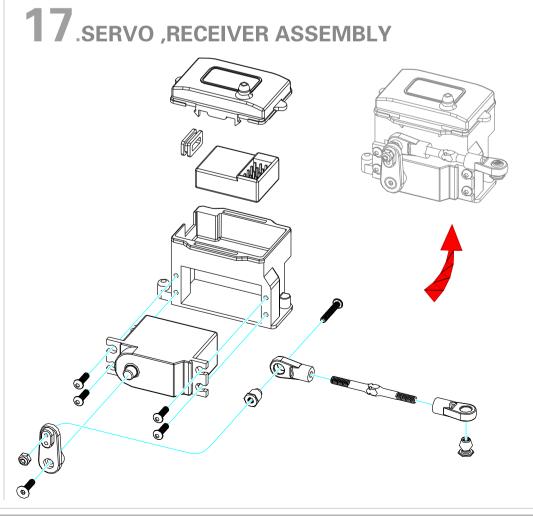


Lock Nut M3





M3x10mm Button Head Screw







M3x18mm Button Head Screw





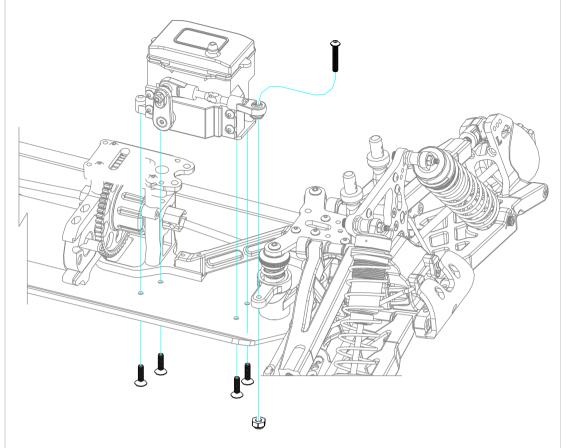
Lock Nut M3





M3x10mm Countersunk Screw

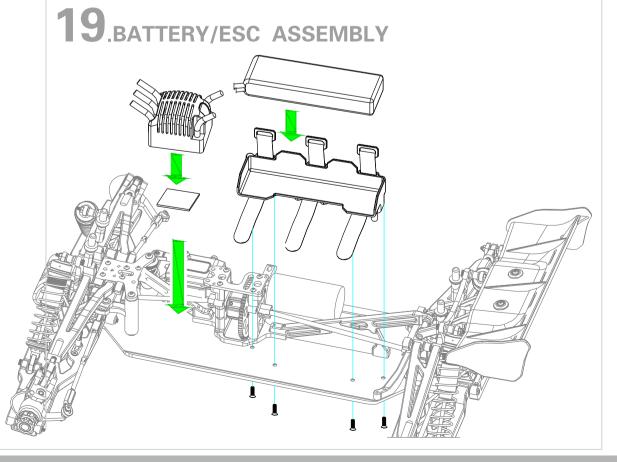








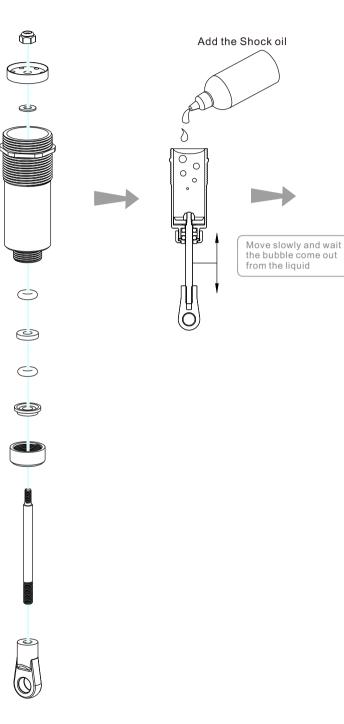
M4x8mm Countersunk Screw





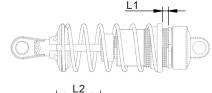
Lock Nut M2. 5

20.SHOCK ABSORBER ASSEMBLY



Please use the 500 # shock oil





Front Shock Absorber L1=4.0mm L2=35mm

Rear Shock Absorber L1=7.0mm L2=45mm





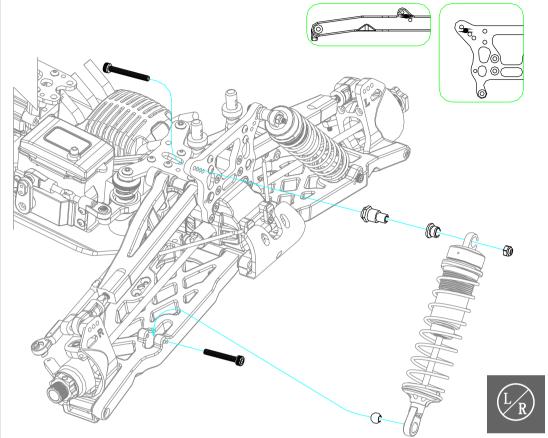
8082 M3x25mm Socket Cap Screw





8085 Lock Nut M3









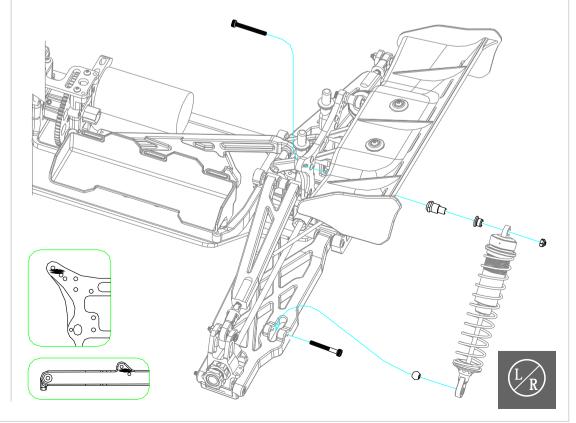
8082 M3x25mm Socket Cap Screw



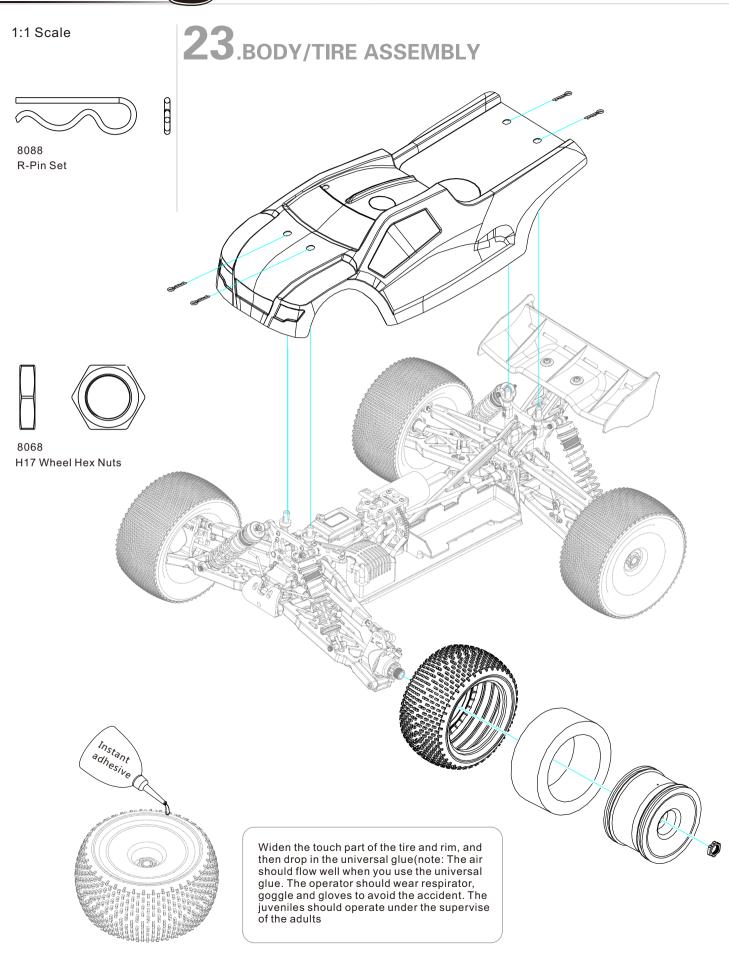


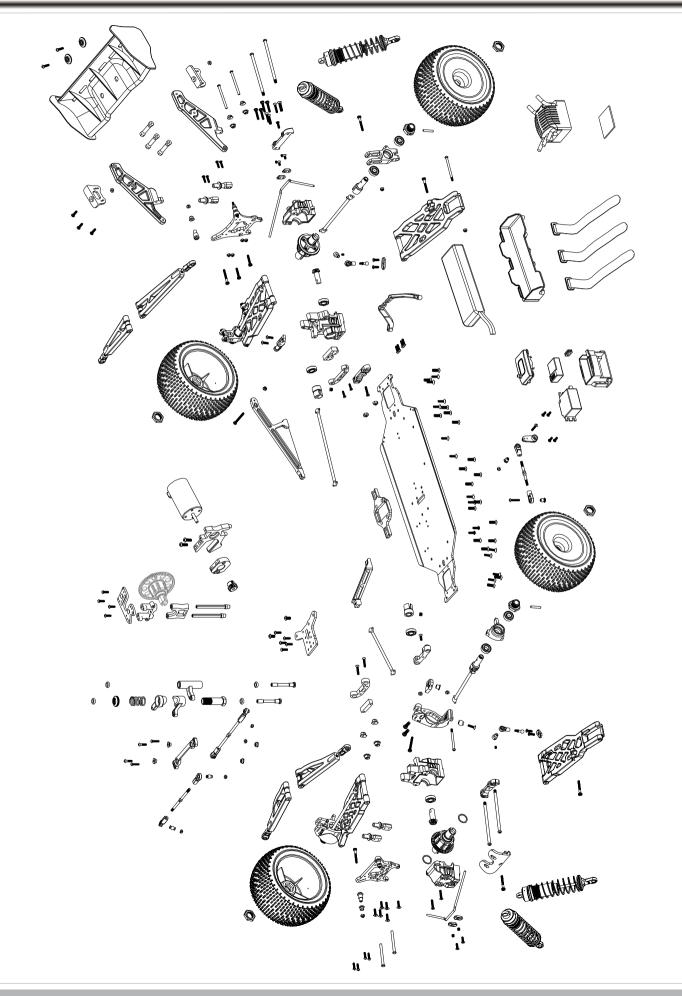
8085 Lock Nut M3



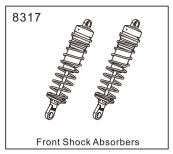








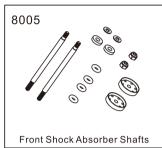




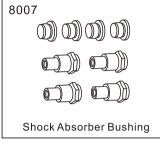


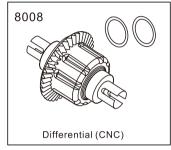


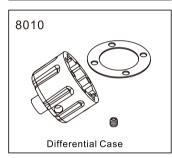


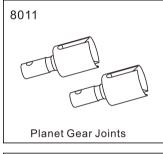


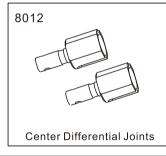




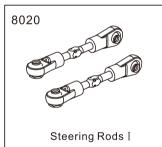


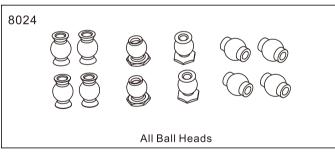


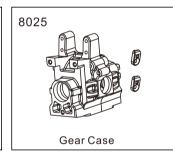


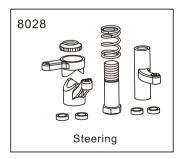


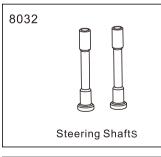


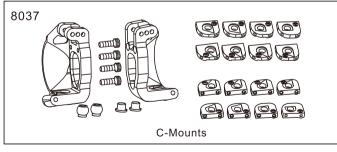


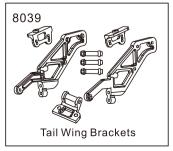






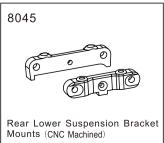


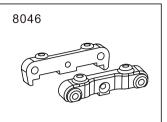




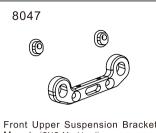




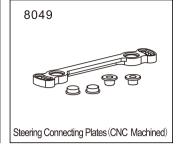


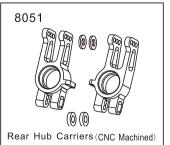


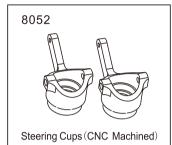
Front Lower Suspension Bracket Mounts (CNC Machined)



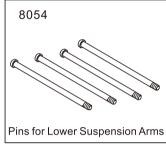
Front Upper Suspension Bracket Mounts (CNC Machined)

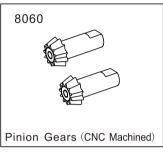






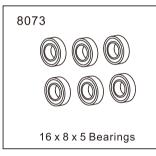


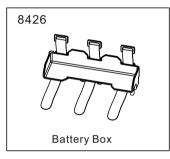


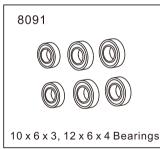


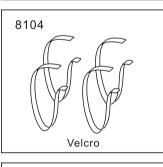


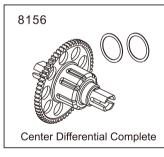


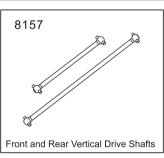


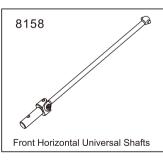


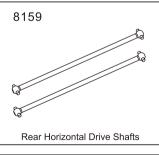


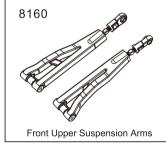


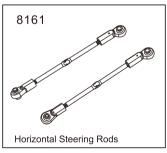




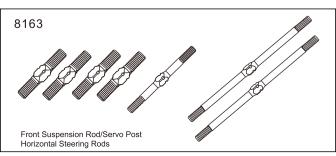






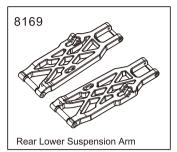


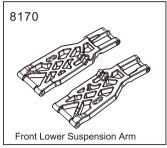


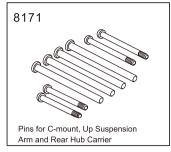


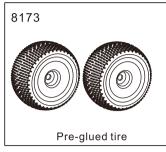


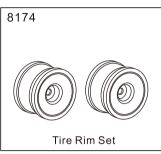


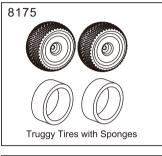


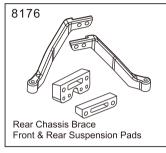


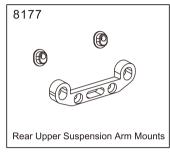


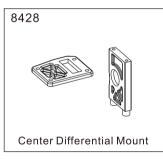




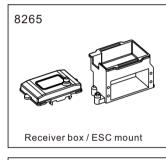


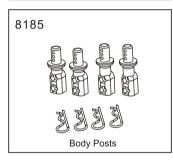


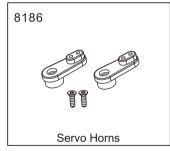


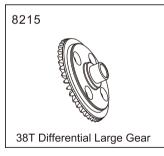


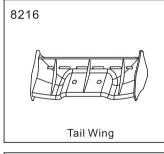


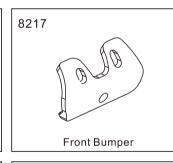


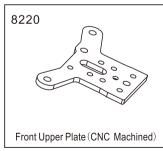


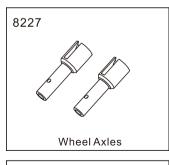




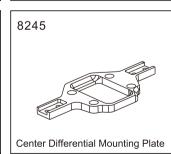




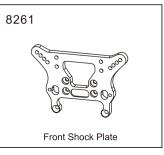


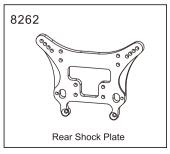


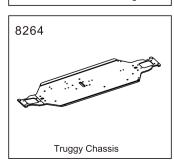




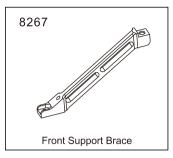


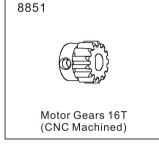


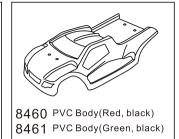




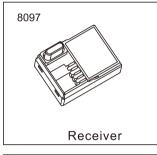


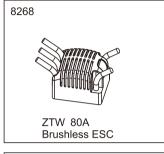




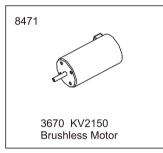


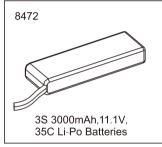








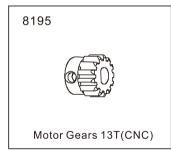




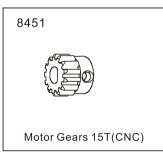


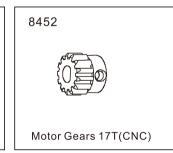


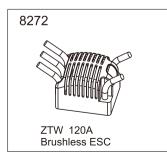
OPTIONAL UPGRADE PARTS



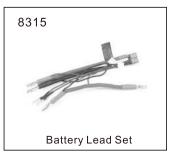


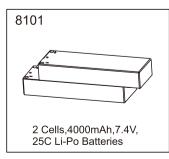




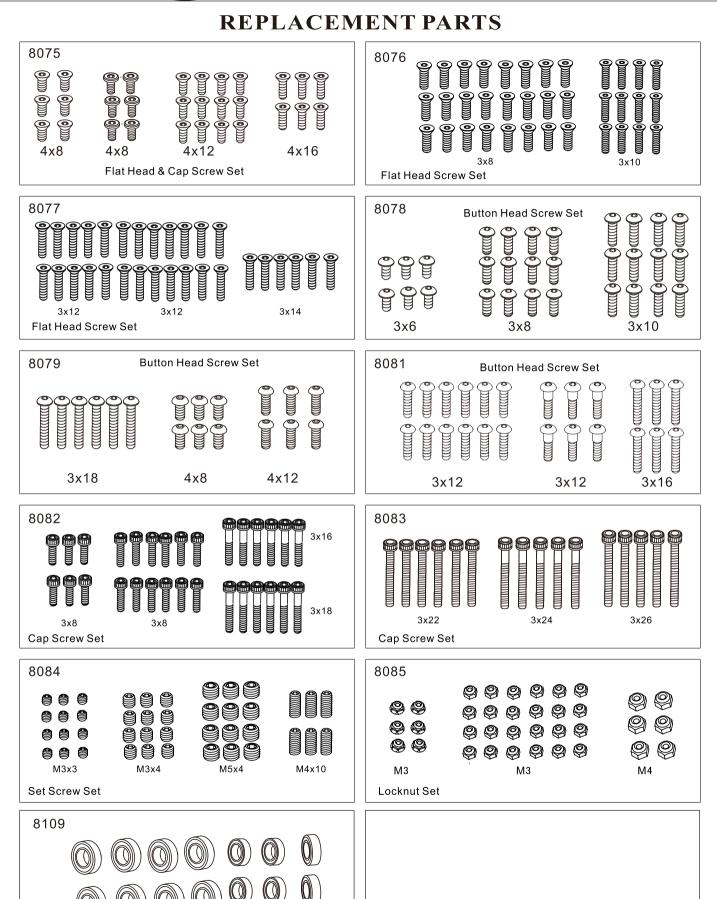












Complete Bearing Set for Electric Buggy

