

# 1/7 Scale 4WD ELECTRIC HYPERCAR

## Manual

[www.zdhobby.com](http://www.zdhobby.com)

# EX-07



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# ZD RACING

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Made in china



This manual expatiates 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 familiar with the assembling, please contact with the wholesaler, nominated model shops and the Special after-sale service outlets.

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

# ZD RACING

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.zdhobby.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.

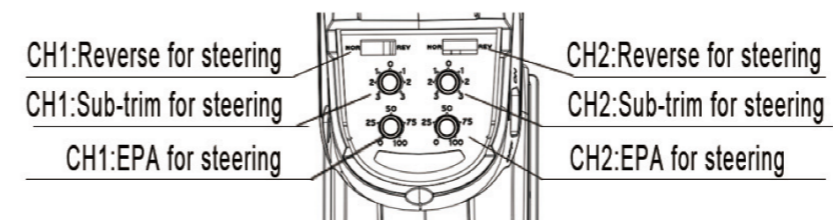
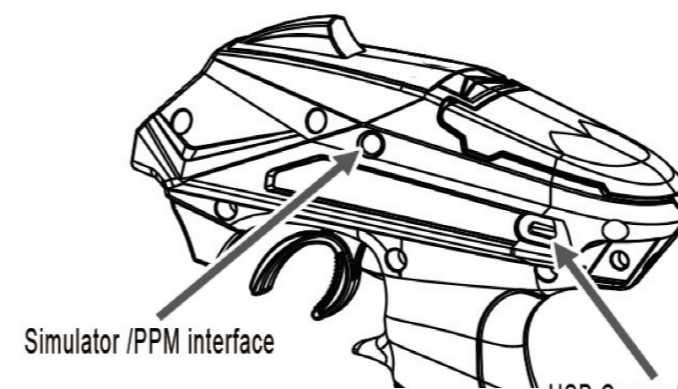
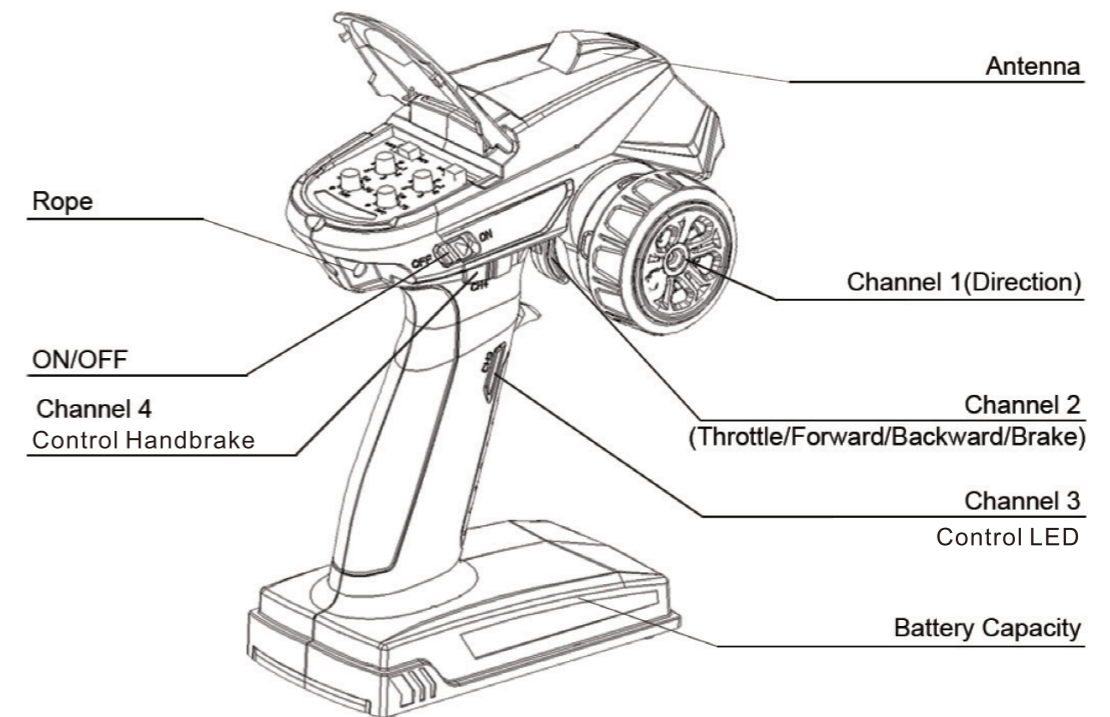
**Ban:** in any prohibited environment, do not try to operation.

## SAFETY GUIDELINES

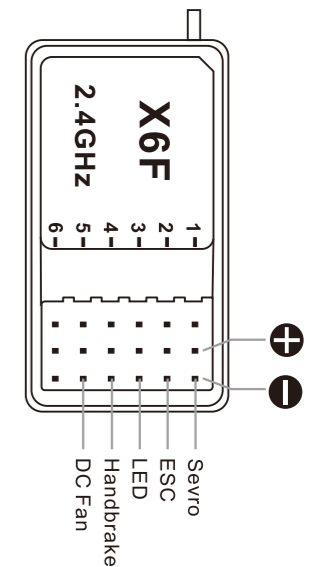
1. Don't operation the models close to open fires or near heat source.
2. Operation must be in the open and dry site .
3. The thunderstorm weather is forbidden to operate this product.
4. Away from the high voltage cables.
5. Some of the parts will be exothermic or burning after operated.
6. Please do 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.

## 2.4G RC WITH 4-CHANNELS SETUP AND FAIL SAFE FUNCTION



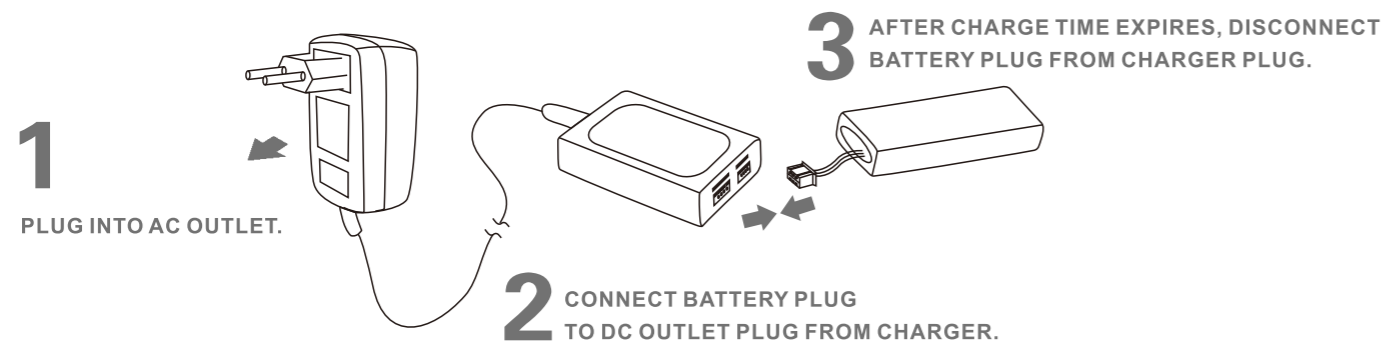
### Receiver





## 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 dangerously hot).
- 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.



## BATTERIES

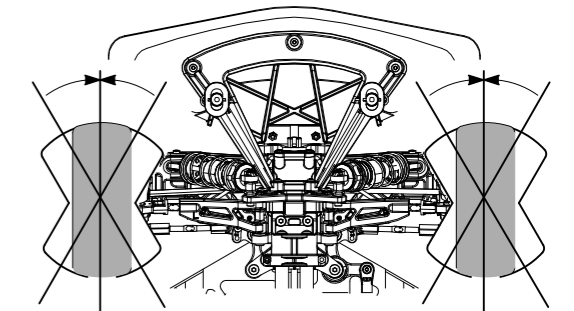
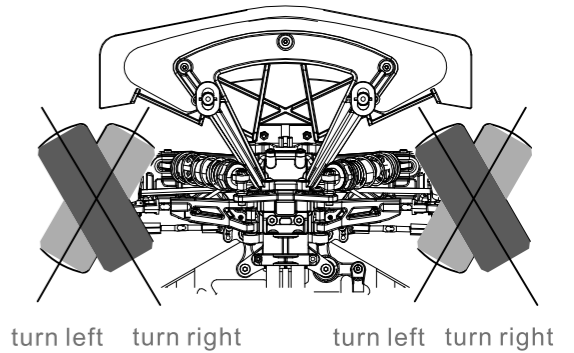
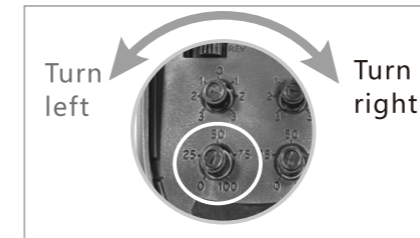
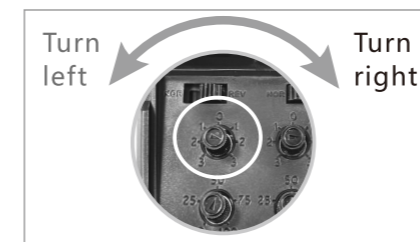
Lithium Polymer (Li-Po) batteries are becoming popular for use in R/C models due to their compact size, high energy density, and high-current output. However, these types of batteries require special care and handling procedures for long life and safe operation.

**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:**
1. 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.
  2. If the battery is swollen or damaged, it is forbidden to use.
  3. Do not charge for long periods when left unattended.

**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.

## Steering operation guide

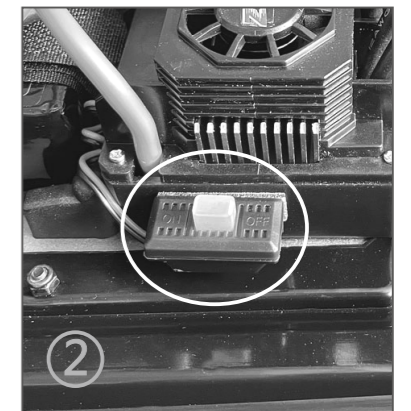


- 1) slowly rotating around the steering wheel, the car will be slow to the right or to the left accordingly (when there is no consistent please toggle on the remote control ST direction and rudder switch).
- 2) when the cars can't run straight, you can adjust to direction of the remote control on the median knob, until the vehicle can run straight.

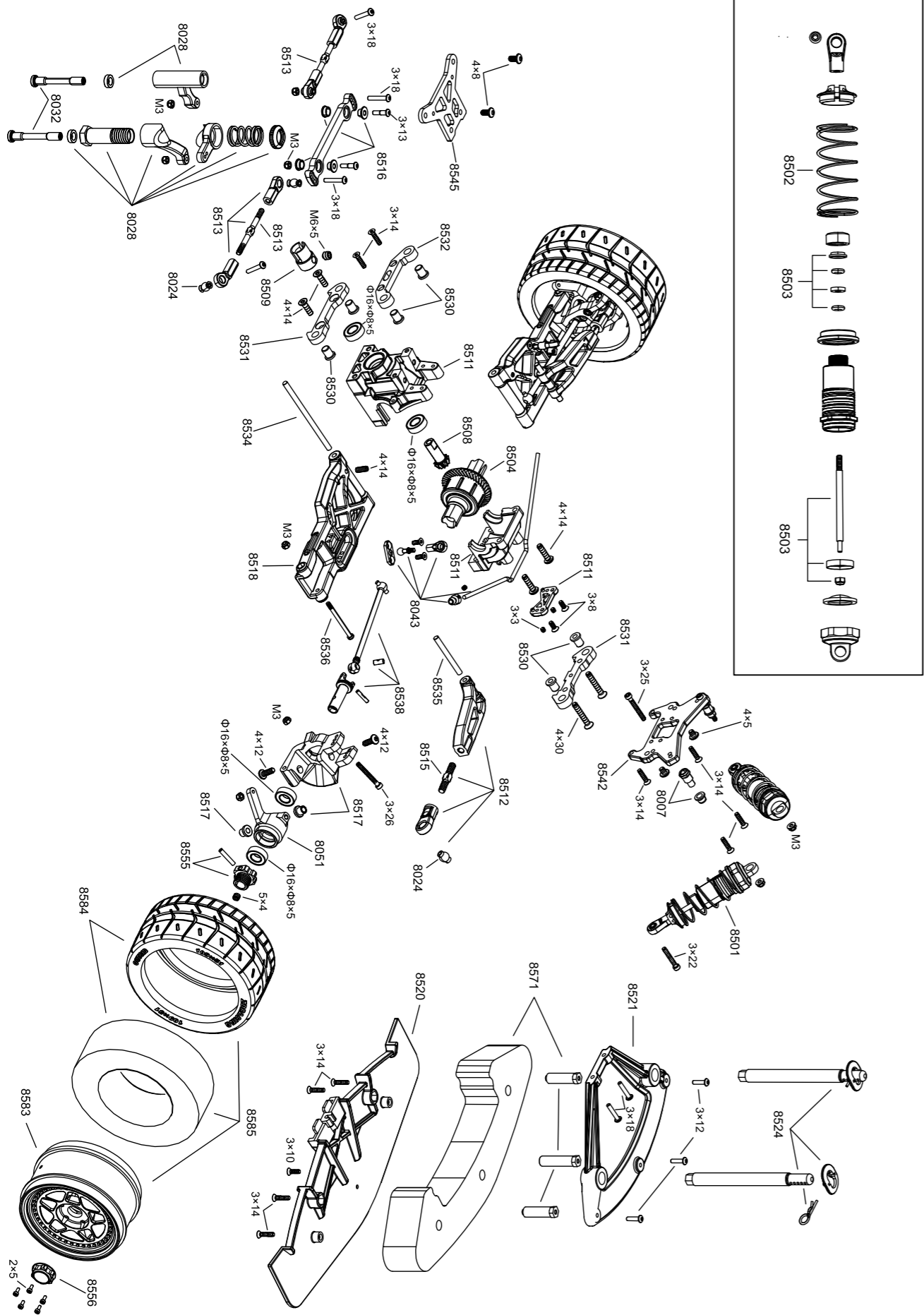
- ◆ Adjust the Median trimming to keep the front wheel in the center position
- ◆ When testing the diversion of the car, please keep the front wheel hang in the air.

## Racing Steps

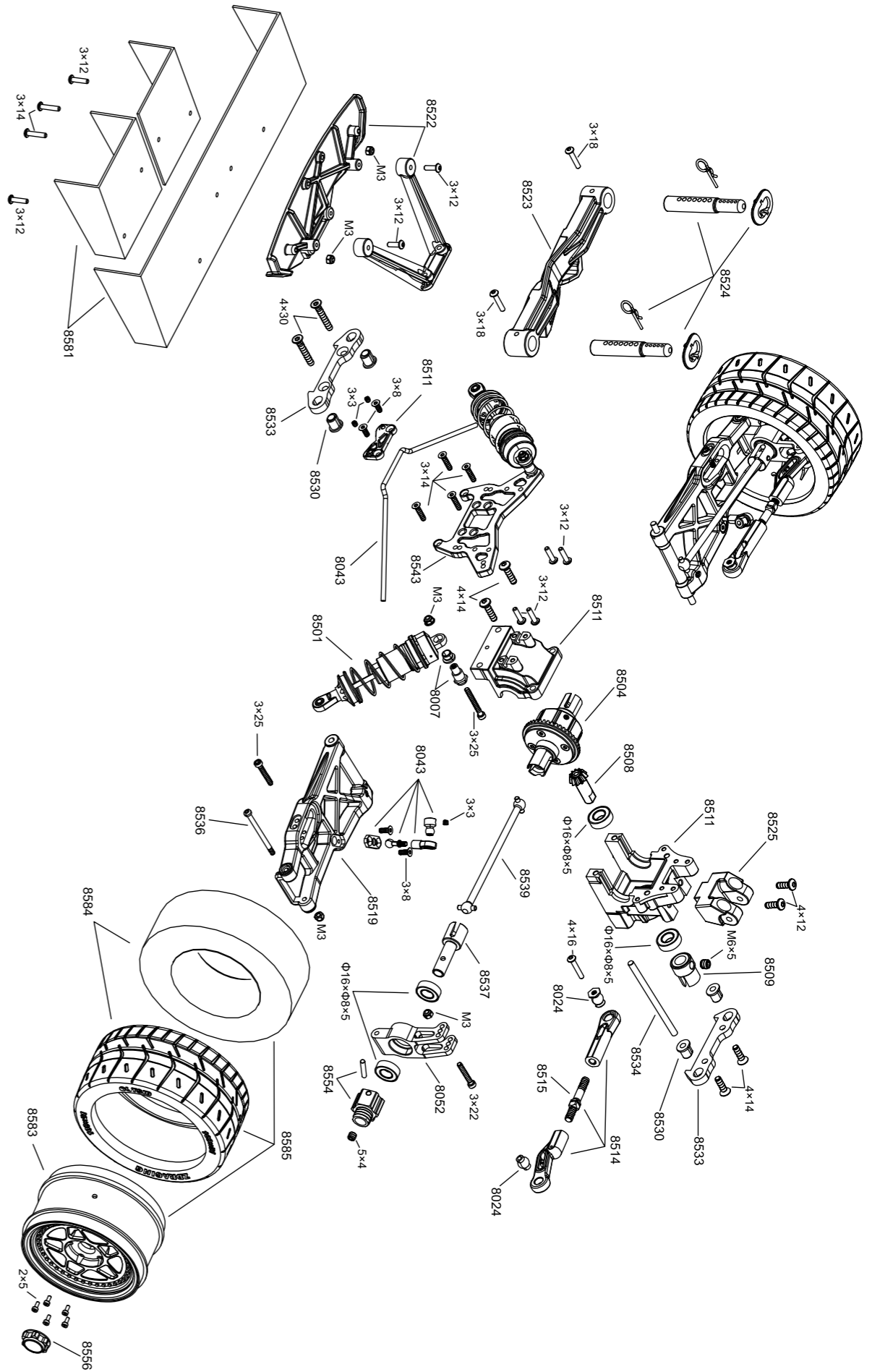
1. Turn on the remote control switch, the power indicator flashes.
2. Turn the steering wheel and throttle trigger, everything is normal, you can go running.
3. Finish racing, Turn off the ESC and off the radio, disconnect the power plug.



1

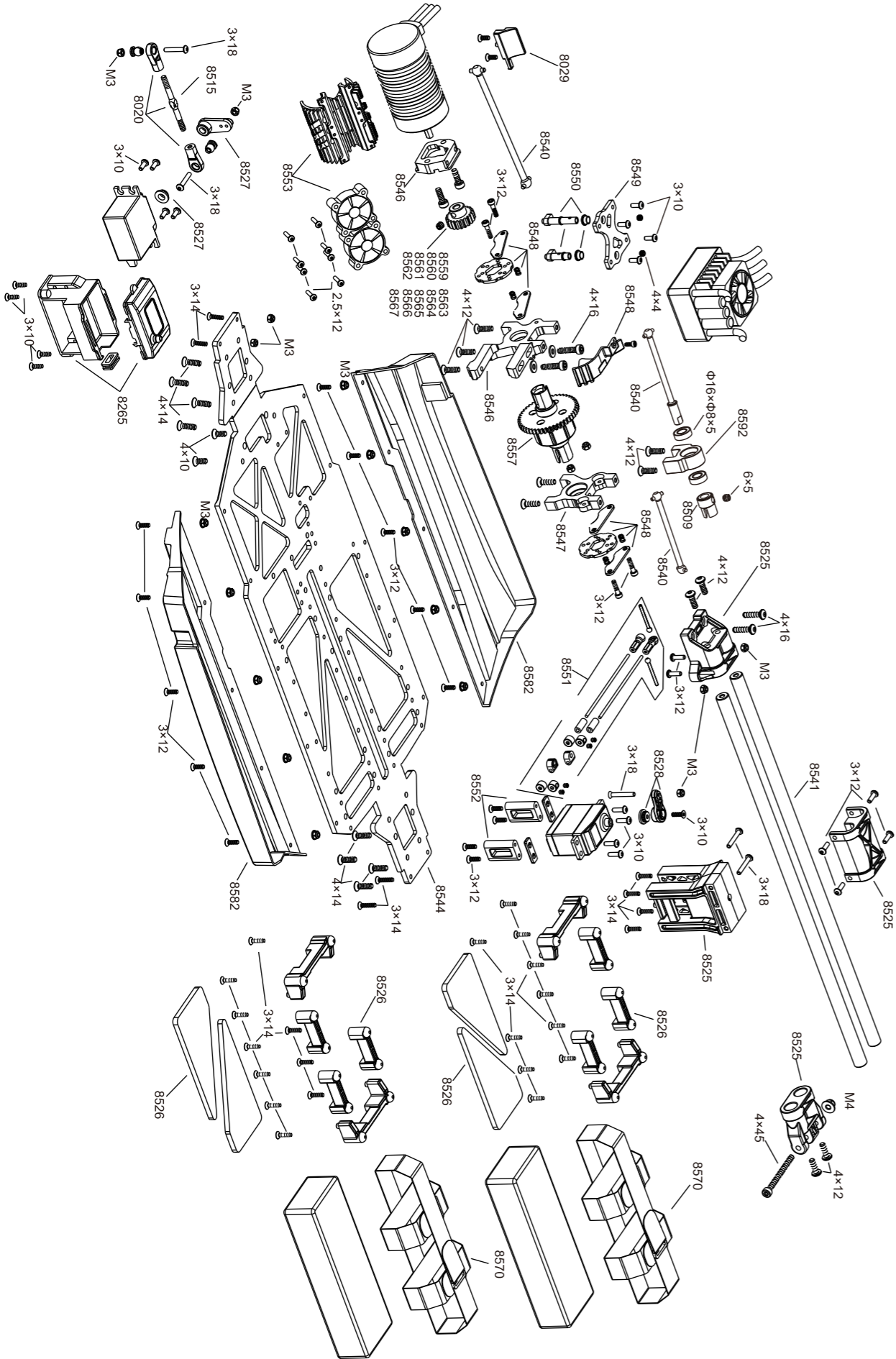


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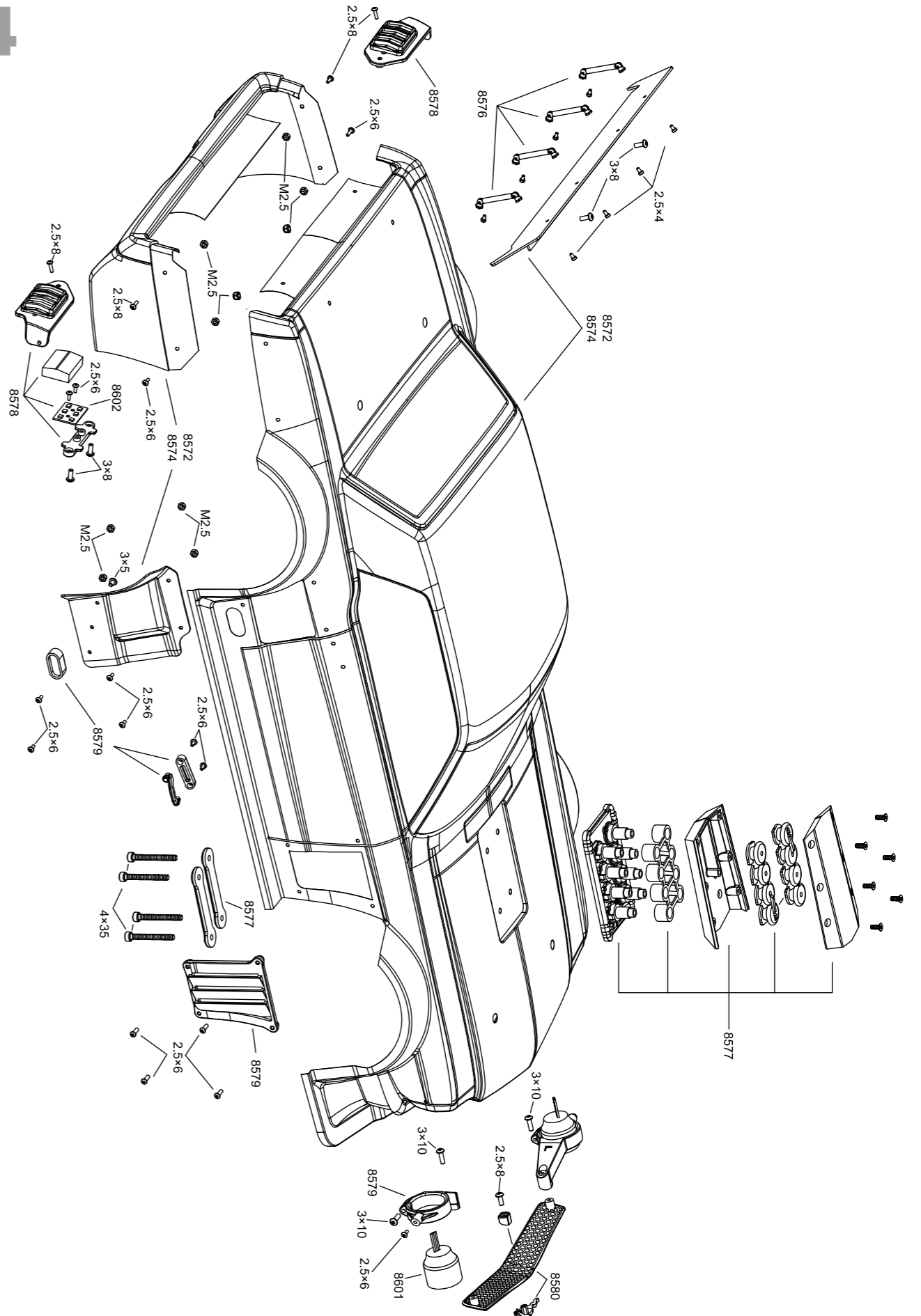




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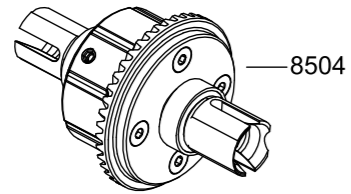


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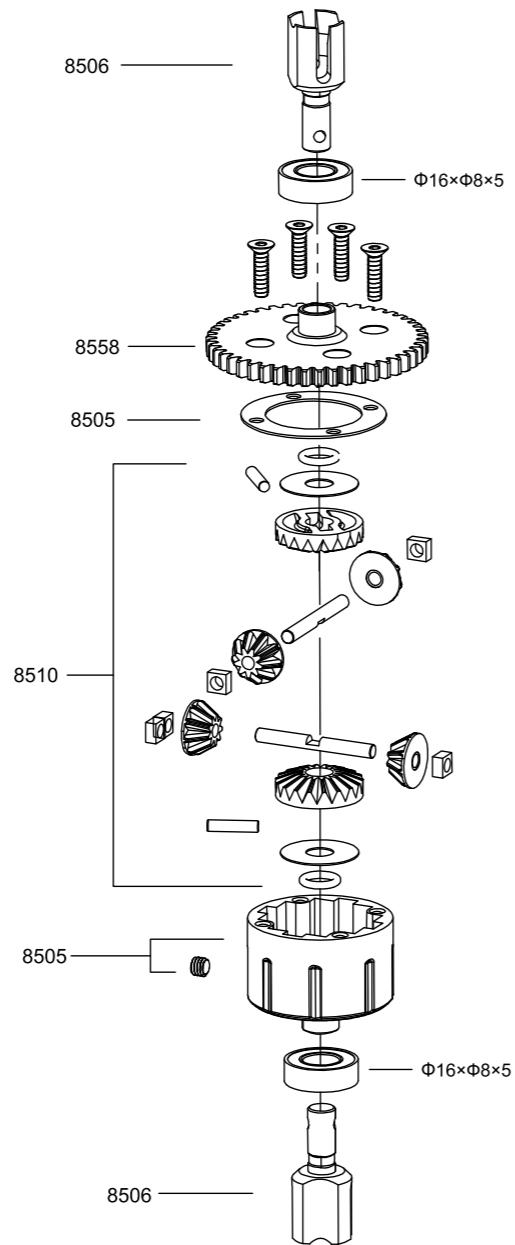
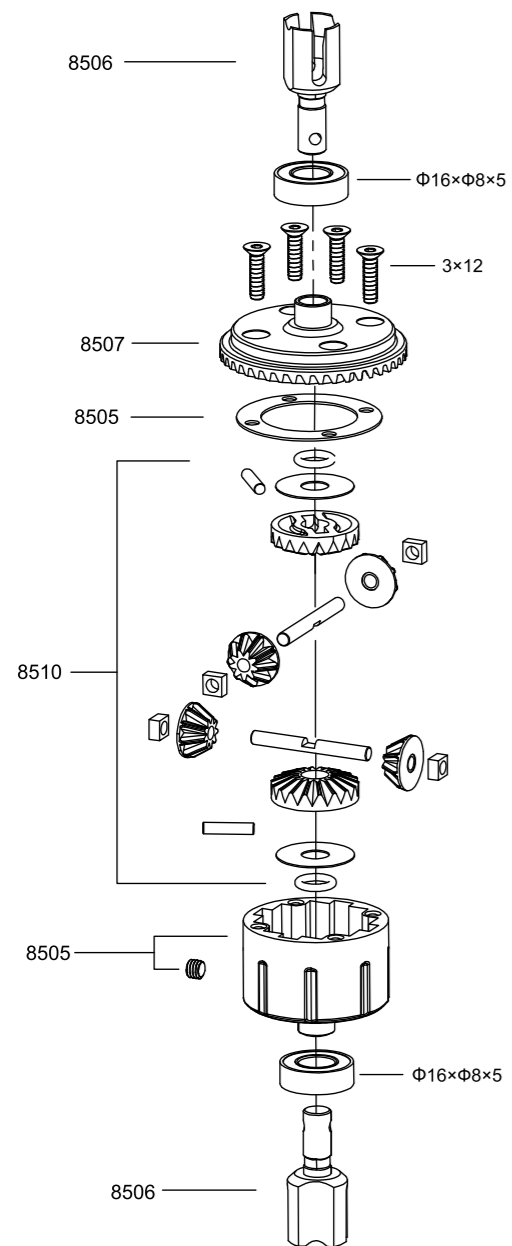
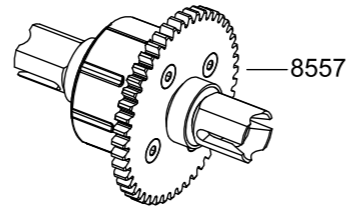


5

F/R Differential(CNC)



Center Differential

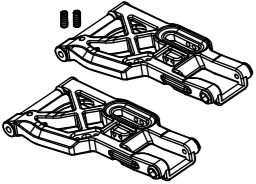
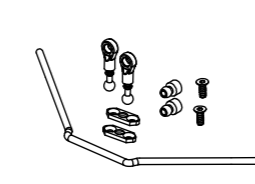
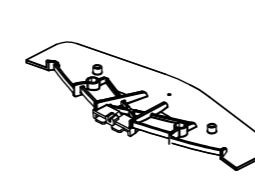
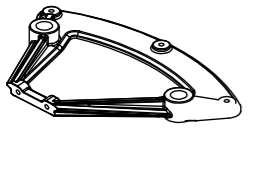
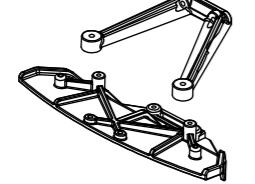
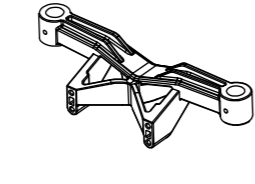

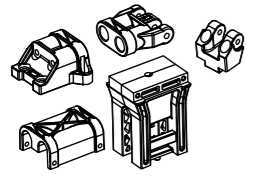
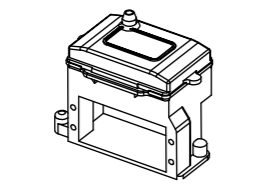
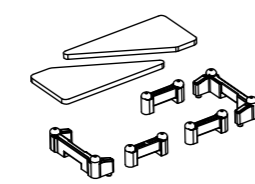
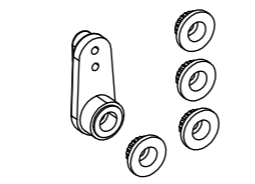

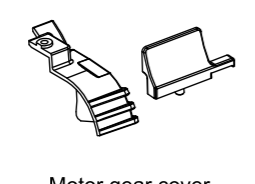
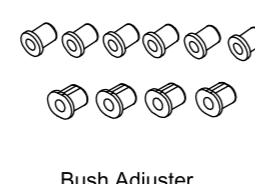
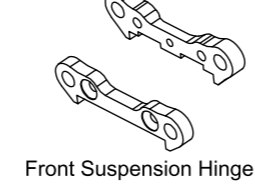
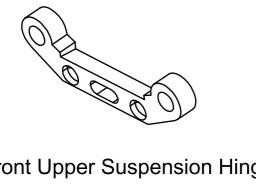
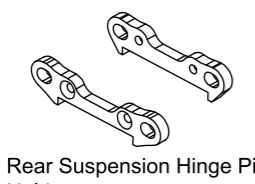
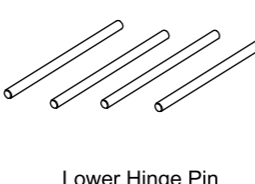
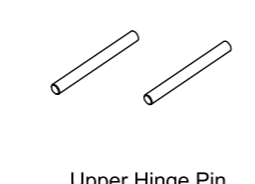
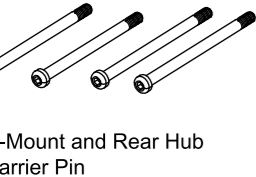
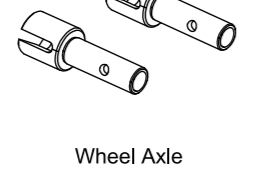
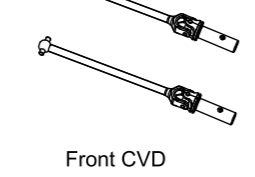
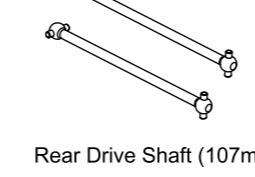


GENERAL REPLACEMENT PARTS

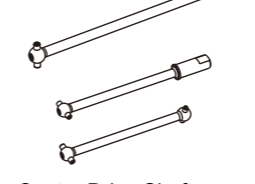
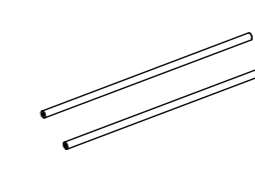
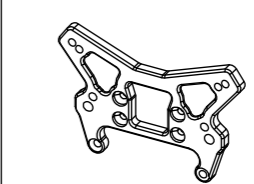
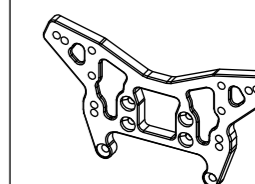
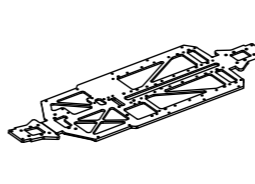
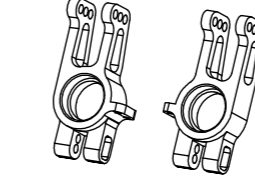
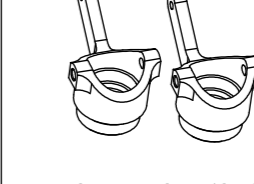
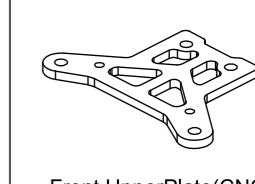
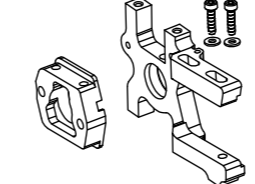
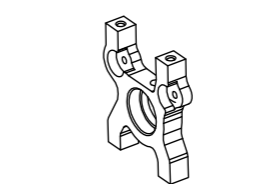
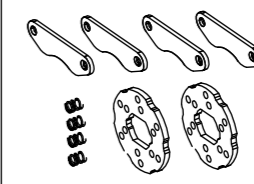
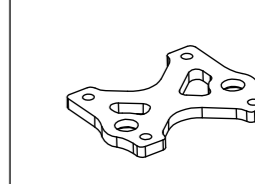
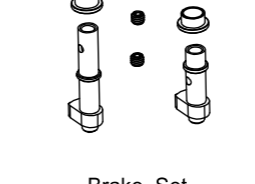
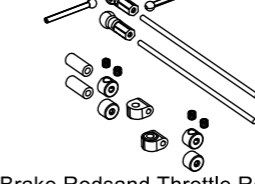
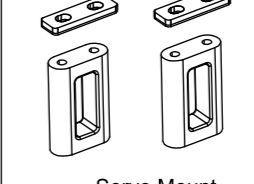


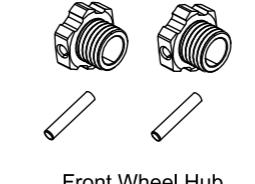
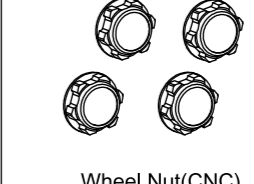
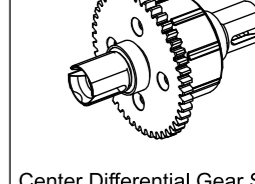

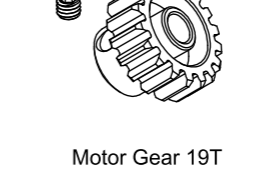


<p>8501</p> <p>Shock Absorbers</p>	<p>8502</p> <p>Shock Absorber Springs</p>	<p>8503</p> <p>Shock Absorber Shafts</p>	<p>8007</p> <p>Shock Absorber Bushing</p>
<p>8504</p> <p>F/R Differential(CNC)</p>	<p>8505</p> <p>Differential Case</p>	<p>8506</p> <p>Planet Gear Joints</p>	<p>8507</p> <p>43T F/R Ring Gear(CNC)</p>
<p>8508</p> <p>11T Pion Gear (CNC)</p>	<p>8509</p> <p>Drive CUPS</p>	<p>8510</p> <p>Differential bevel gear</p>	<p>8511</p> <p>Gear Box</p>
<p>8512</p> <p>Front Upper Suspension</p>	<p>8020</p> <p>Steering Rods I</p>	<p>8513</p> <p>Steering Rods II</p>	<p>8514</p> <p>Rear Upper Tie Rod</p>
<p>8515</p> <p>All Rods</p>		<p>8024</p> <p>All Ball Heads</p>	
<p>8516</p> <p>Steering Plate</p>	<p>8028</p> <p>Steering</p>	<p>8032</p> <p>Steering Shafts</p>	<p>8517</p> <p>C Mounts</p>



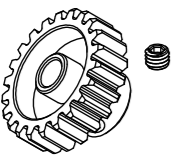
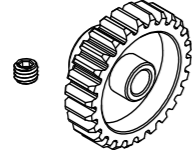
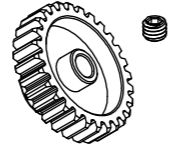
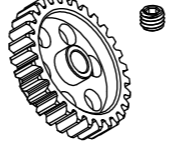
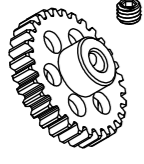
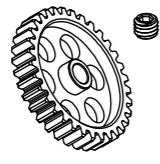
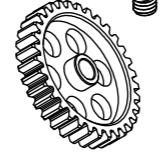
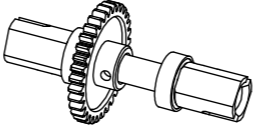
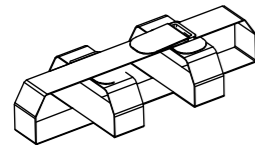
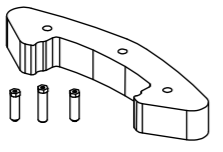
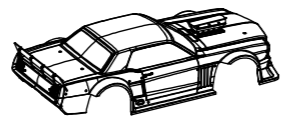
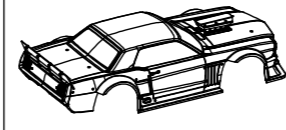

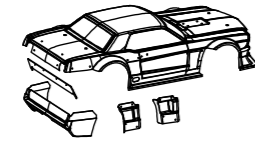
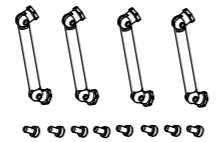
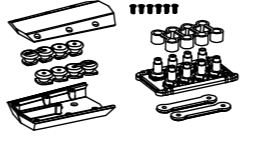
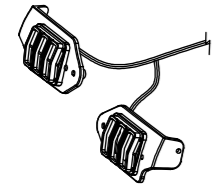
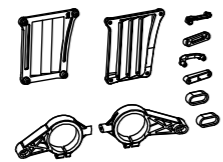
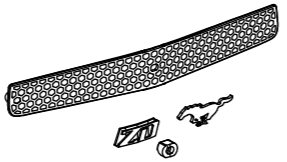
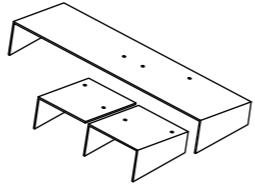
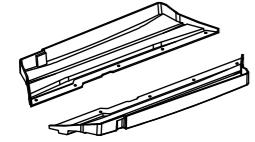
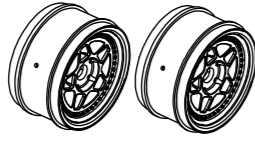


GENERAL REPLACEMENT PARTS

8518  Front Lower Suspension Arm	8519  Rear Lower Suspension Arm	8043  Anti-roll Bar	8520  Front Bumper
8521  Front Bumper Bracket	8522  Rear Bumper	8523  Rear Body Mount Bracket	8524  Body Mount
8525  Support shaft bracket	8265  Receiver box	8526  Battery mount	8527  Servo Horns
8528  Servo Horns	8529  Motor gear cover	8530  Bush Adjuster	8531  Front Suspension Hinge Pin Holder
8532  Front Upper Suspension Hinge Pin Holder	8533  Rear Suspension Hinge Pin Holder	8534  Lower Hinge Pin	8535  Upper Hinge Pin
8536  C-Mount and Rear Hub Carrier Pin	8537  Wheel Axle	8538  Front CVD	8539  Rear Drive Shaft (107mm)

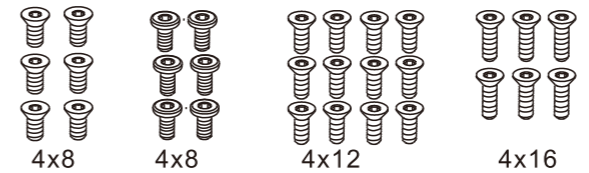
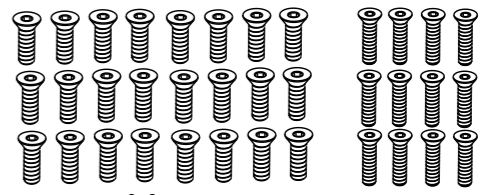
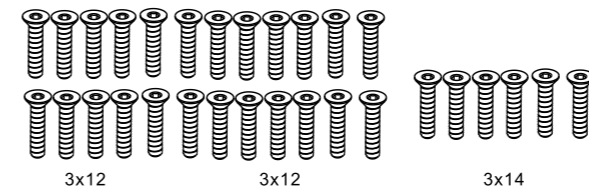
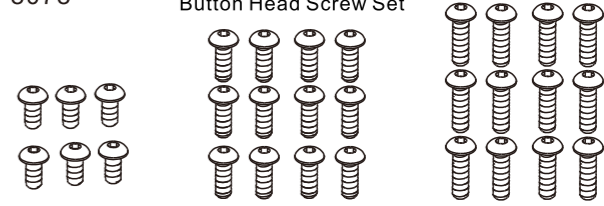
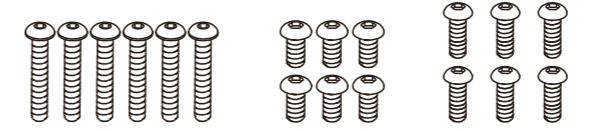
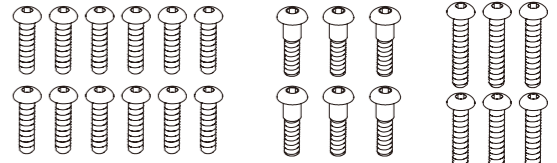
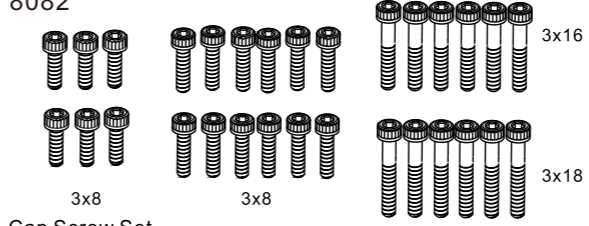
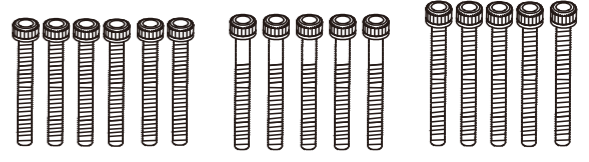
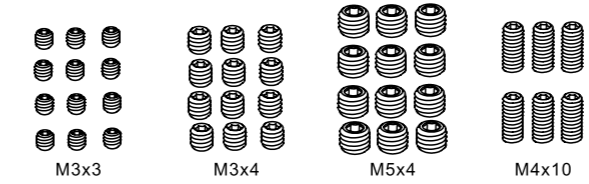
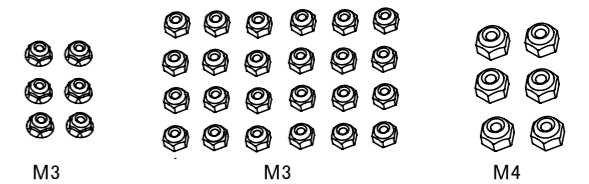
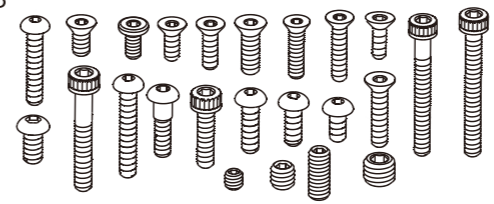
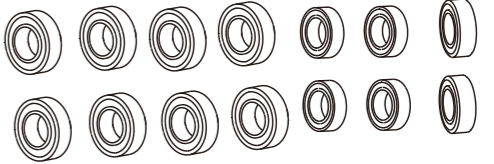
GENERAL REPLACEMENT PARTS

8540  Center Drive Shaft (Front:112mm, Rear:83mm)	8541  Support shaft	8542  Front Shock Tower(CNC)	8543  Rear Shock Tower(CNC)
8544  Chassis(CNC)	8051  Rear Hub(CNC)	8052  Steering Cups(CNC)	8545  Front UpperPlate(CNC)
8546  Motor Mount(CNC)	8547  Center Diff. Mount(CNC)	8548  Brake Disc and Pad Set	8549  Center diff. Support Plate(CNC)
8550  Brake Set	8551  Brake Rodsand Throttle Rods	8552  Servo Mount	8553  Motor Heatsink Φ40/Φ42
8554  Rear Wheel Hub	8555  Front Wheel Hub	8556  Wheel Nut(CNC)	8557  Center Differential Gear Set
8558  Center Diff Spur Gear 46T	8559  Motor Gear 19T	8560  Motor Gear 20T	8561  Motor Gear 21T

### GENERAL REPLACEMENT PARTS

<p>8562</p>  <p>Motor Gear 22T</p>	<p>8563</p>  <p>Motor Gear 26T</p>	<p>8564</p>  <p>Motor Gear 28T</p>	<p>8565</p>  <p>Motor Gear 29T</p>
<p>8566</p>  <p>Motor Gear 30T</p>	<p>8567</p>  <p>Motor Gear 32T</p>	<p>8568</p>  <p>Motor Gear 33T</p>	<p>8569</p>  <p>Center Spool Gear Set 35T</p>
<p>8570</p>  <p>Magic Tape</p>	<p>8571</p>  <p>Foam Bumper</p>	<p>8572</p>  <p>Car Body Set</p>	<p>8573</p>  <p>Clear Car Body Set</p>
<p>8574</p>  <p>Car Body</p>	<p>8575</p>  <p>Clear Car Body</p>	<p>8576</p>  <p>Tail Wing Mount Parts</p>	<p>8577</p>  <p>Body Accessories, Set A</p>
<p>8578</p>  <p>Tail light Set</p>	<p>8579</p>  <p>Body Accessories, Set B</p>	<p>8580</p>  <p>Body Accessories, Set C</p>	<p>8581</p>  <p>Rear Diffuser Set</p>
<p>8582</p>  <p>Side Plates</p>	<p>8583</p>  <p>wheel</p>	<p>8584</p>  <p>Tire With Foam Insert</p>	<p>8585</p>  <p>Wheel &amp; Tire Set</p>

### GENERAL REPLACEMENT PARTS

<p>8075</p>  <p>4x8    4x8    4x12    4x16</p> <p>Flat Head &amp; Cap Screw Set</p>	<p>8076</p>  <p>3x8    3x10</p> <p>Flat Head Screw Set</p>
<p>8077</p>  <p>3x12    3x12    3x14</p> <p>Flat Head Screw Set</p>	<p>8078</p>  <p>3x6    3x8    3x10</p> <p>Button Head Screw Set</p>
<p>8079</p>  <p>3x18    4x8    4x12</p> <p>Button Head Screw Set</p>	<p>8081</p>  <p>3x12    3x12    3x16</p> <p>Button Head Screw Set</p>
<p>8082</p>  <p>3x8    3x8    3x16    3x18</p> <p>Cap Screw Set</p>	<p>8083</p>  <p>3x22    3x24    3x26</p> <p>Cap Screw Set</p>
<p>8084</p>  <p>M3x3    M3x4    M5x4    M4x10</p> <p>Set Screw Set</p>	<p>8085</p>  <p>M3    M3    M4</p> <p>Locknut Set</p>
<p>8108</p>  <p>Complete Screw Set for Electric Buggy</p>	<p>8109</p>  <p>Complete Bearing Set for Electric Buggy</p>



# GENERAL REPLACEMENT PARTS

<p>8586</p>  <p>Button Head Screws M4*16</p>	<p>8587</p>  <p>Flat Head Screws M4*30</p>	<p>8588</p>  <p>Cap Screws M4*16</p>	<p>8589</p>  <p>Cap Screws M4*35</p>
<p>8590</p>  <p>Cap Screws M4*45</p>	<p>8591</p>  <p>Cap Screws M6*5</p>	<p>8592</p>  <p>Center Drive Shaft Bearing Mount</p>	<p>8593</p>  <p>Motor Mount for 5287 &amp; 1717 (CNC)</p>
<p>8601</p>  <p>Headlight</p>	<p>8602</p>  <p>Tail lights</p>	<p>8603</p>  <p>4282 Brushless Motor 2000KV</p>	<p>8604</p>  <p>150A Brushless ESC</p>
<p>8096</p>  <p>9KG Servo</p>	<p>8605</p>  <p>15KG Servo</p>	<p>7594</p>  <p>2.4G Radio set + Receiver</p>	<p>7595</p>  <p>2.4G Radio set</p>
<p>7596</p>  <p>Receiver</p>	<p>8606</p>  <p>11.1V 35C 5000MAH</p>	<p>6215</p>  <p>B3 Li-Po Charger</p>	<p>8593</p>  <p>Servo Mount (CNC)</p>
<p>8594</p>  <p>Steering (CNC)</p>			

