

1/16-Scale 4WD ELECTRIC MONSTER TRUCK

Manual

www.zdhobby.com

MT-16



**FAST AND
FURIOUS**



[WWW.ZDHOBby.COM](http://www.zdhobby.com)

ZD Racing
www.zdhobby.com



Made in china

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 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.

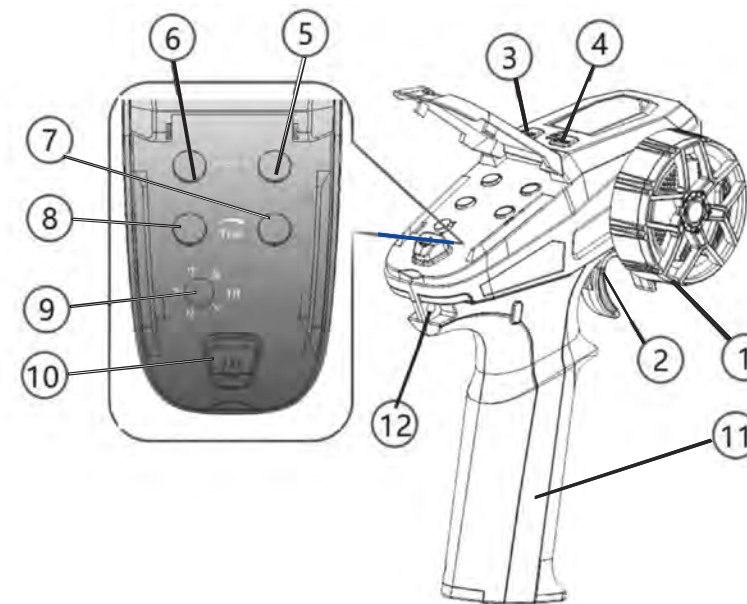
Ban: in any prohibited environment, do not try to operation.

SAFETY GUIDELINES

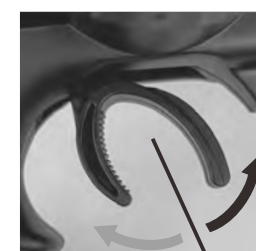
1. Don't operation the models close to open fires or near heat source.
2. Operation must be in the open and dry site .
3. The thunderstorm weather is forbidden to operate this product.
4. Away from the high voltage cables.
5. Some of the parts will be exothermic or burning after operated.
6. Please do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

RADIO-Part Number

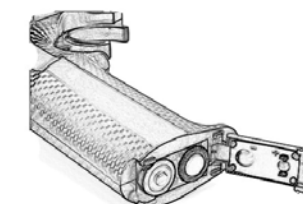
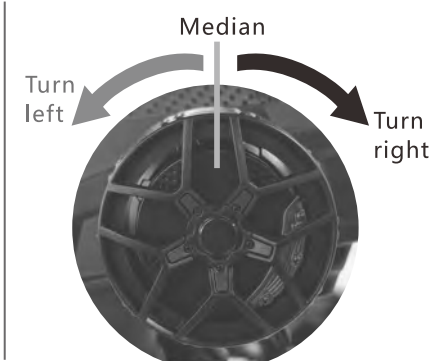


- 1) CH1
- 2) CH2
- 3) CH3
- 4) CH4
- 5) Sub-trim Right
- 6) Sub-trim Left
- 7) EPA for CH1 +
- 8) EPA for CH1 -
- 9) Function key (EPA for CH2)
- 10) Power Switch
- 11) Battery compartment
- 12) Lanyard Hole



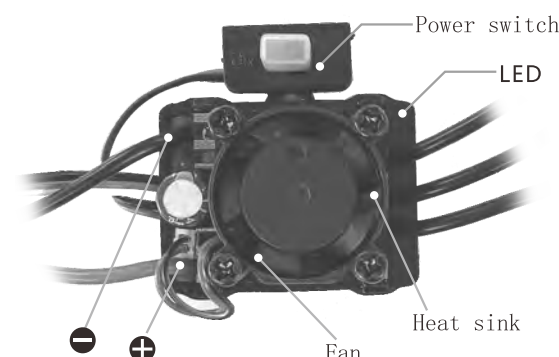
overtake

Brake and retreat

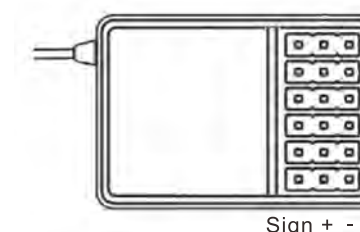


1. Put 4 AA batteries into the battery tank (Please note the Positive and Negative)
2. If the remote control indicator flashes, it indicates that the power supply is insufficient

Brushless ESC receiver



Brushed ESC receiver



- 1) CH1 (steering)
- 2) CH2 (throttle)
- 3) CH3
- 4) CH4
- 5) CH5
- 6) CH6

Sign + -

CHARGING THE BATTERY PACK

- 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.
- 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).
- 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.

Li-PO battery



Ni-MH battery



BATTERIES

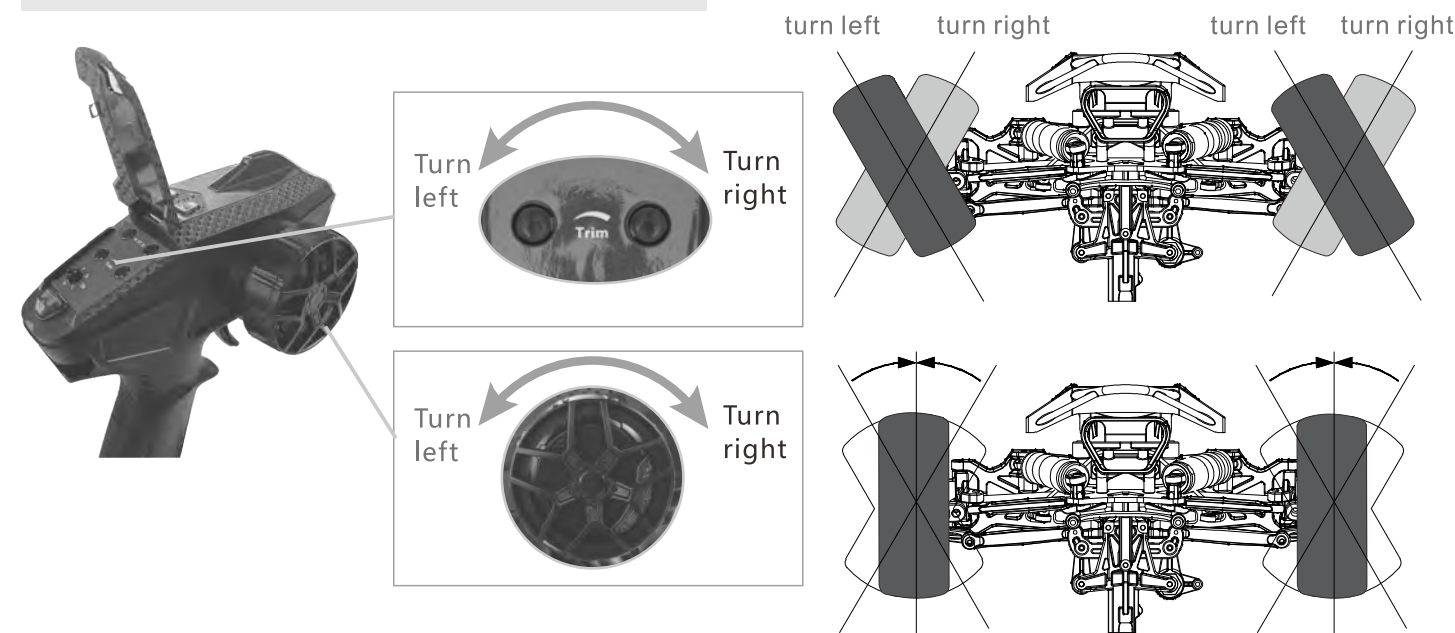
Lithium Polymer (Li-Po) batteries are becoming popular for use in R/C models due to their compact size, high energy density, and high-current output. However, these types of batteries require special care and handling procedures for long life and safe operation.

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:**
- 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.
 - If the battery is swollen or damaged, it is forbidden to use.
 - 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

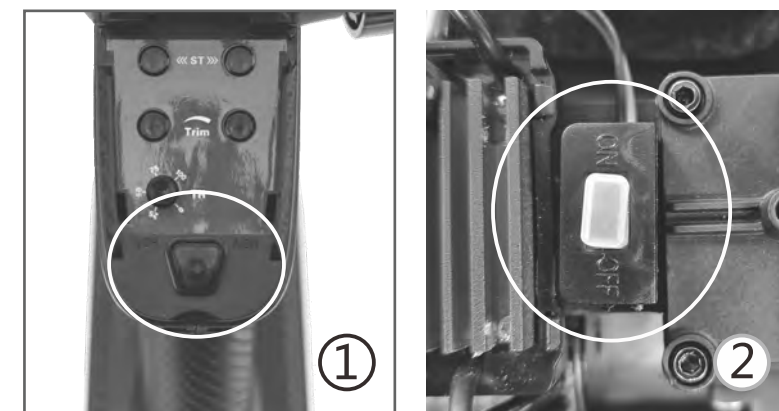


- slowly rotating around the steering wheel, the car will be slow to the right or to the left accordingly (when there is no consistent please toggle on the remote control ST direction and rudder switch).
- when the cars can't run straight, you can adjust the direction of the remote control on the median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

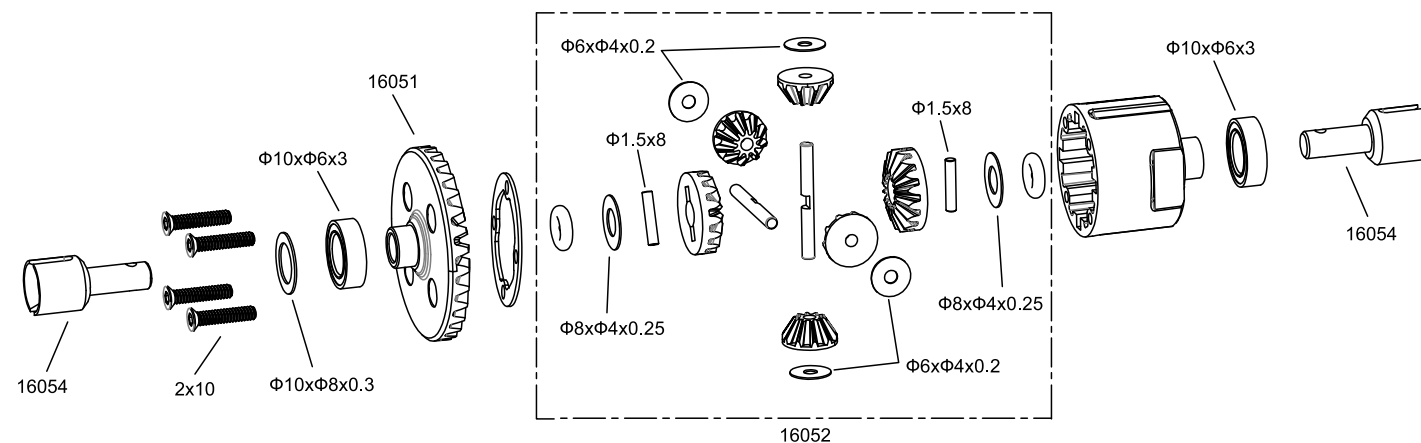
- ◆ Adjust the Median trimming to keep the front wheel in the center position
- ◆ When testing the diversion of the car, please keep the front wheel hang in the air.

Racing Steps

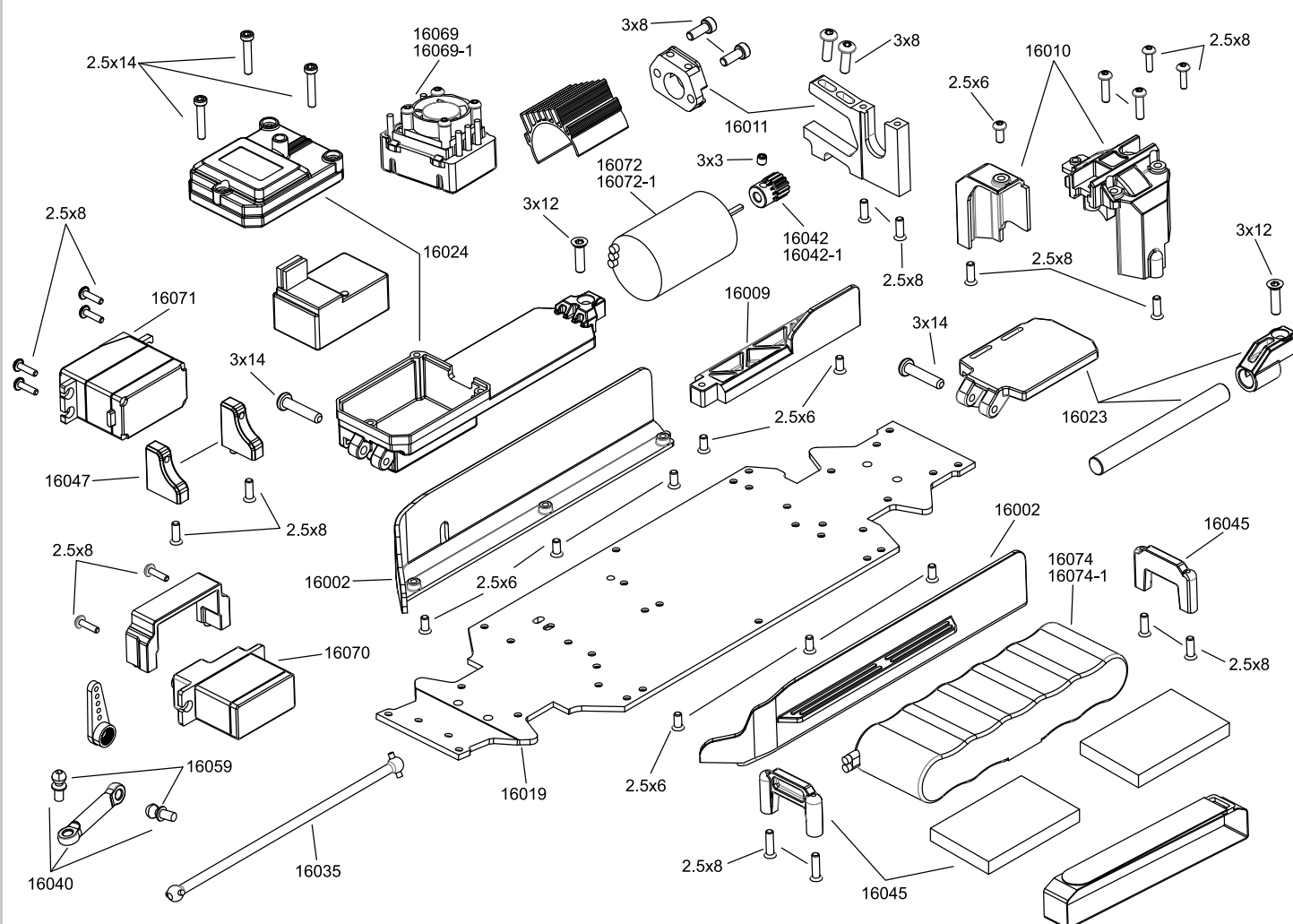
- Turn on the remote control switch, the power indicator flashes.
- Connect the power cord and turn on the ESC switch, automatic frequency matching at startup, and the power light stops flashing
- Turn the steering wheel and throttle trigger, everything is normal, you can go running.
- Finish racing, Turn off the ESC and off the radio, disconnect the power plug.



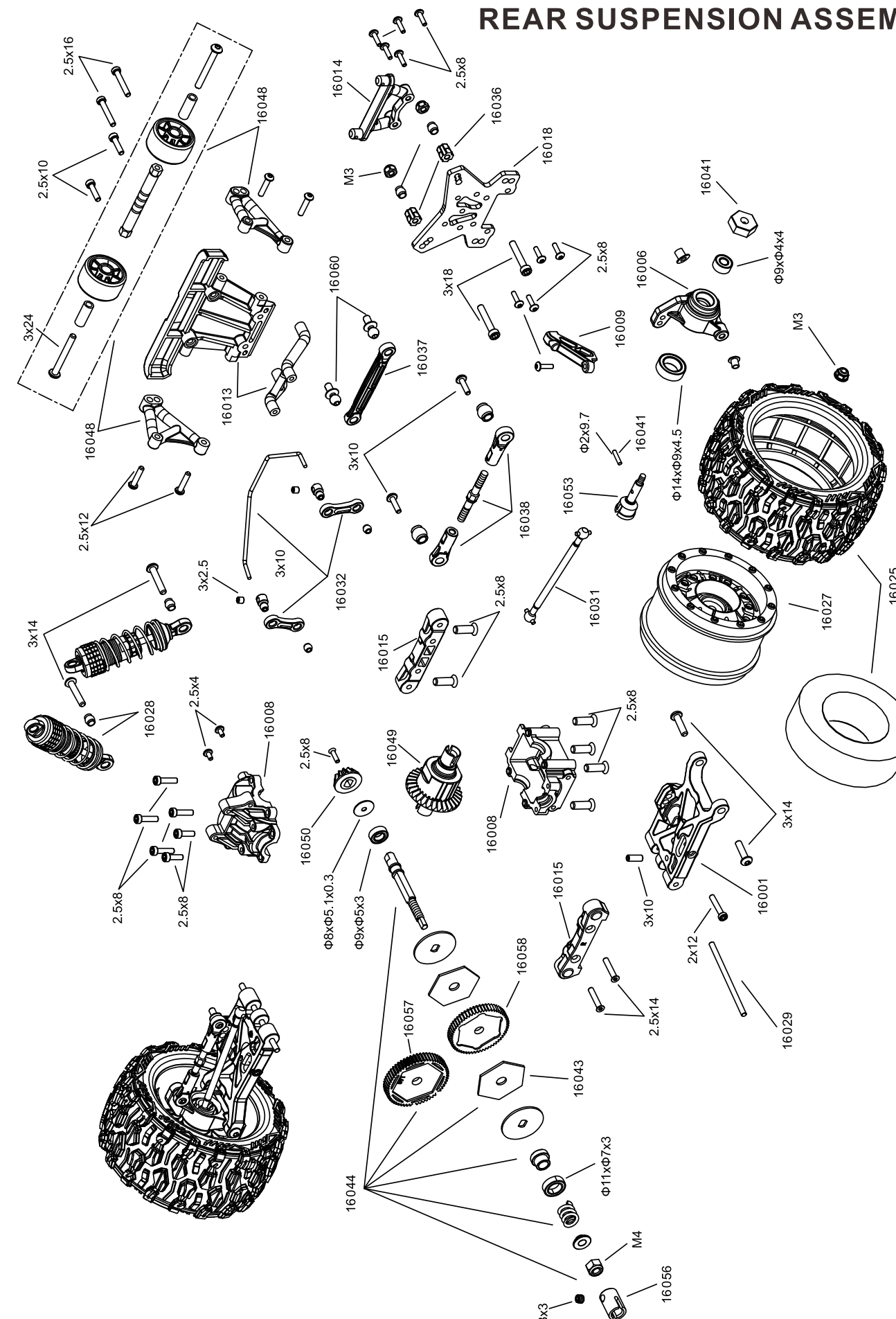
DIFFERENTIAL ASSEMBLY



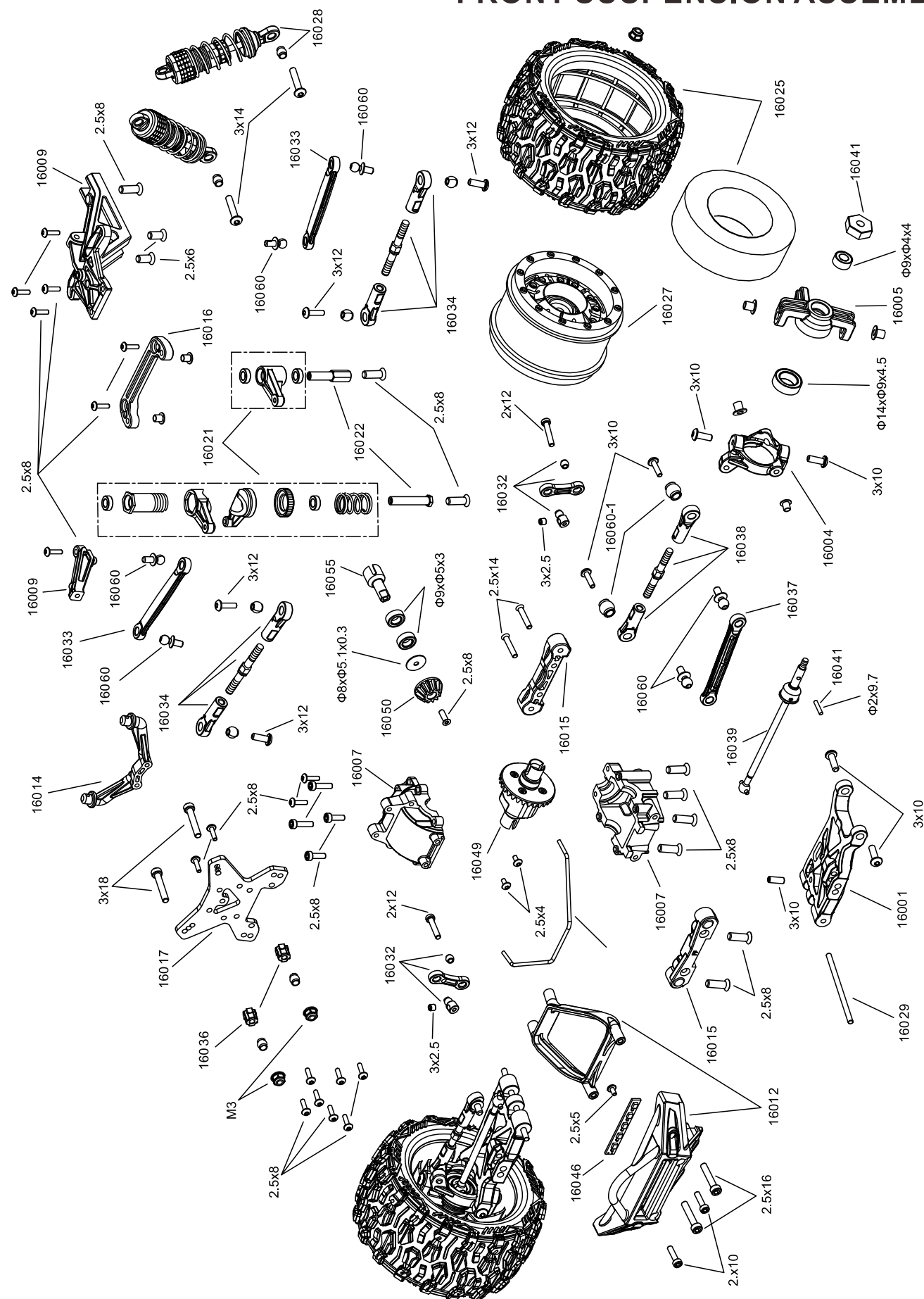
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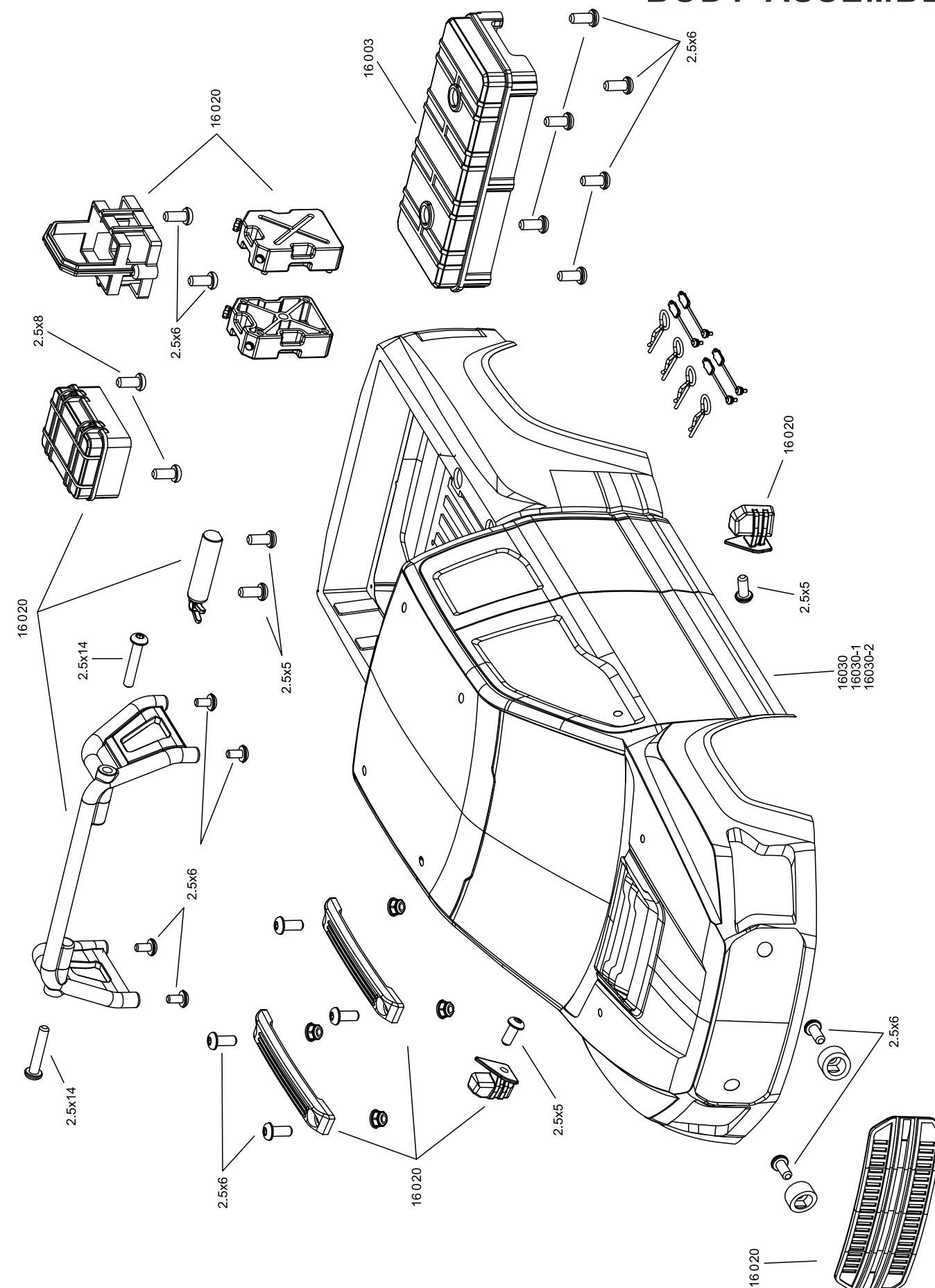
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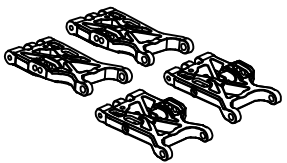
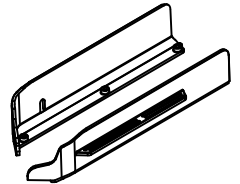
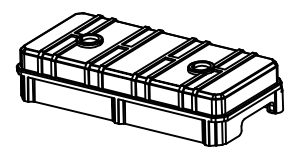
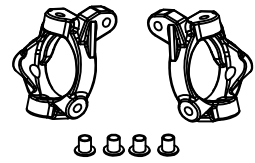
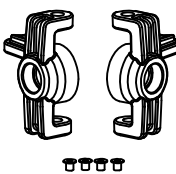
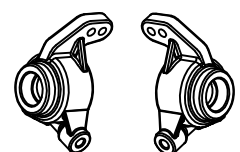
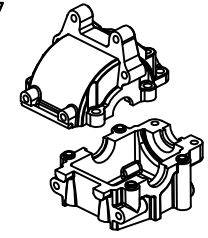
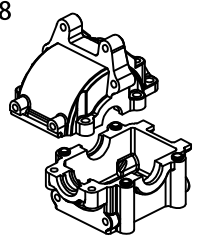
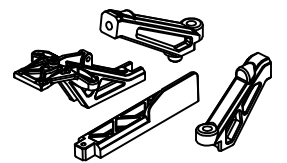
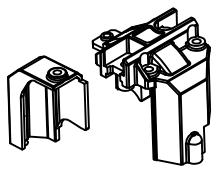
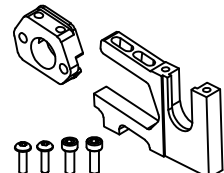
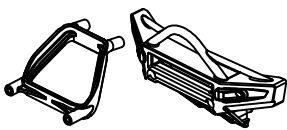
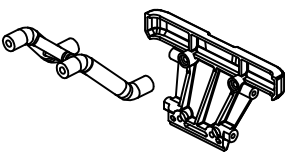
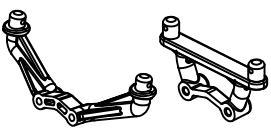
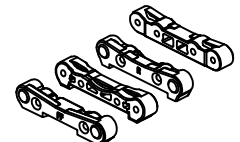
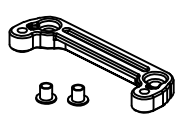
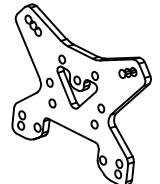
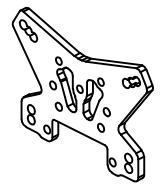
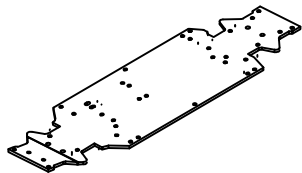
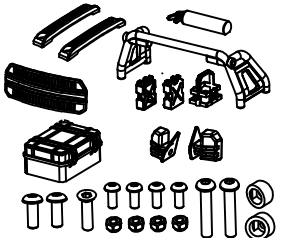
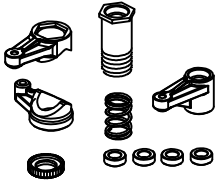
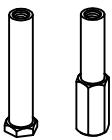
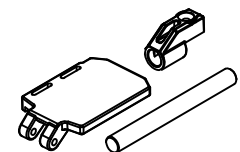
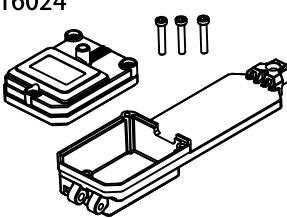
FRONT SUSPENSION ASSEMBLY



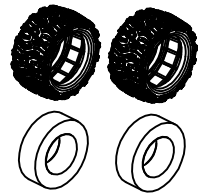
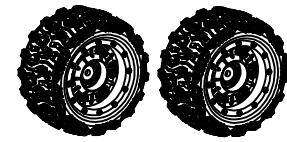
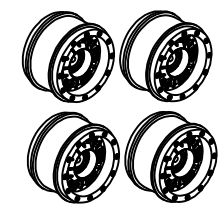
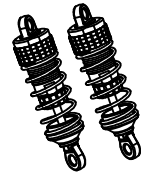
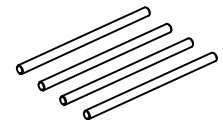
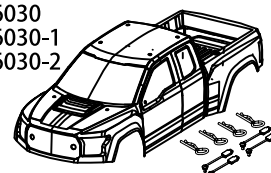
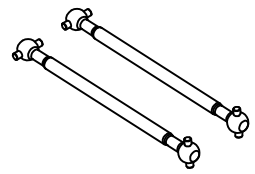
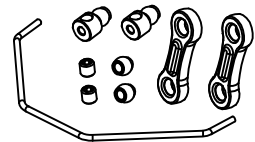
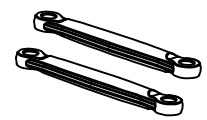
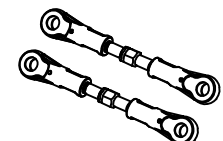
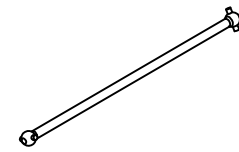
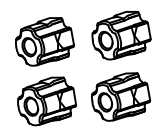

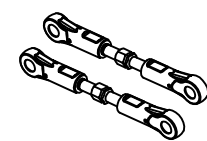
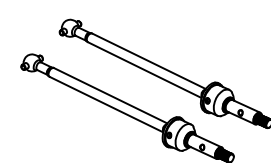
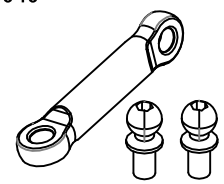
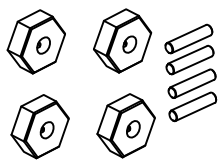
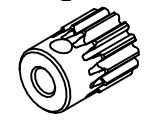
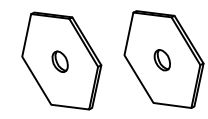
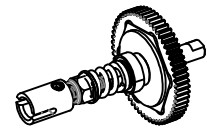
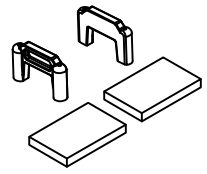
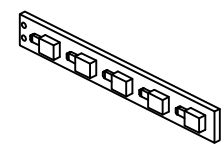
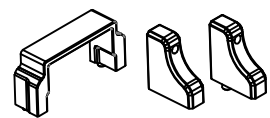
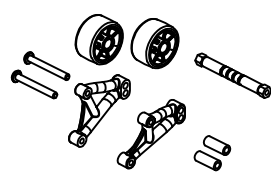
BODY ASSEMBLY



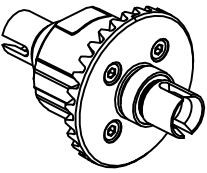


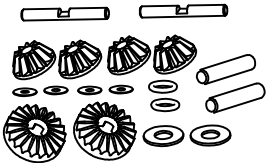
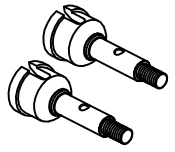
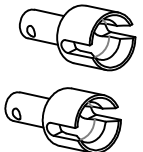
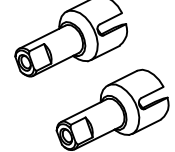
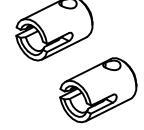
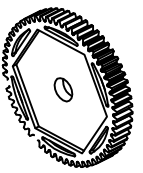
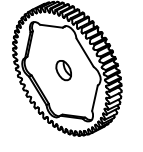
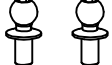

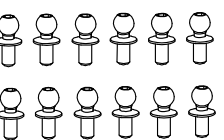
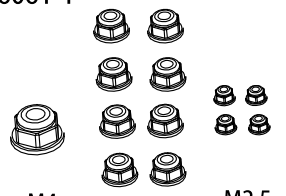
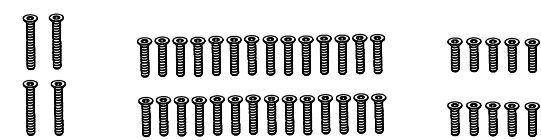

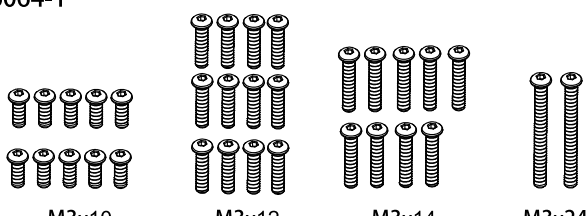
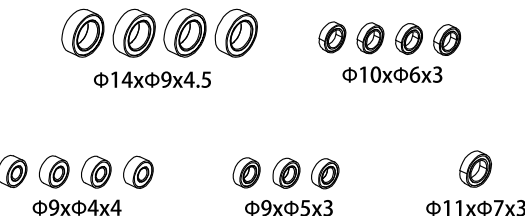
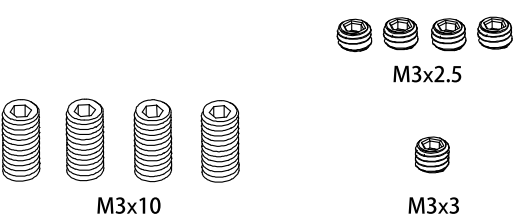
GENERAL REPLACEMENT PARTS

16001  F/R Lower suspension arm	16002  Side plates	16003  Trunk	16004  F/R C mounts
16005  F/R Steering cups	16006  F/R Rear hub	16007  Front gear box	16008  Rear gear box
16009  Shock tower reinforcing block	16010  Motor mount cover	16011  Motor mount	16012  Front bumper
16013  Rear bumper	16014  Body post set	16015  F/R Suspension hinge pin holder	16016  Steering Connecting Plate
16017  Front Shock Plate CNC	16018  Rear Shock Plate CNC	16019  Chassis CNC	16020  Various small parts and screws
16021  Steering sets	16022  Steering shafts	16023  ESC plate / Middle shaft Fixed block	16024  Receiver box

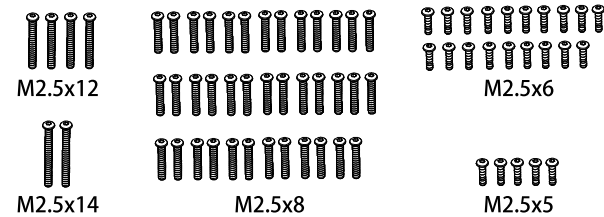

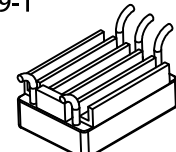
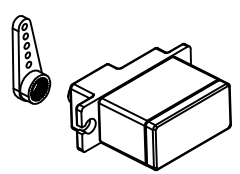
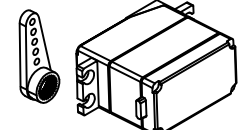
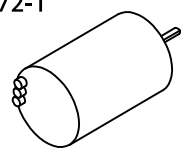

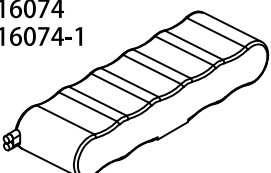
GENERAL REPLACEMENT PARTS

16025  Tires and Sponge Set	16026  Tire Set	16027  Tire Rim Set	16028  Shock Absorber
16029  Lower Suspension Pins	16030 16030-1 16030-2  PVC Car body (orange) PVC Car body (black) PVC Car body (lucency)	16031  Rear Horizontal drive shafts	16032  Sway bar set
16033  Steering rod sets	16034  Adjustable steering rod sets	16035  Vertical drive shafts	16036  Shock pillar
16037  Upper tie rods	16038  Adjustable upper tie rods	16039  Front Universal drive shaft	16040  Servo rod sets
16041  Wheel hex nuts	16042 16042-1  15T Motor gear 21T Motor gear	16043  Reducer limited slip friction plate	16044  Slipper clutch complete with main gear
16045  Battery mount	16046  LED light set	16047  Servo mount	16048  Look up wheel group

GENERAL REPLACEMENT PARTS

<p>16049</p>  <p>Differential</p>	<p>16050</p>  <p>Differential gear</p>	<p>16051</p>  <p>Differential crown gear</p>	<p>16052</p>  <p>Differential bevel gear</p>
<p>16053</p>  <p>Rear hub carrier axle</p>	<p>16054</p>  <p>Planet gear joints</p>	<p>16055</p>  <p>Differential out drives</p>	<p>16056</p>  <p>Drive cups</p>
<p>16057</p>  <p>Center diff spur gear(plastic)</p>	<p>16058</p>  <p>Center diff spur gear(metal)</p>	<p>16059</p>  <p>4.0 ball screws</p>	<p>16060-1</p>  <p>Ball Head</p>
<p>16060</p>  <p>4.8 ball screws</p>	<p>16061-1</p>  <p>M4 M3 M2.5</p>	<p>16062</p>  <p>M2.5x14 M2.5x8 M2.5x6</p>	
<p>16063</p>  <p>M3x18 Mx12</p>	<p>16064-1</p>  <p>M3x10 M3x12 M3x14 M3x24</p>		
<p>16065</p>  <p>Φ14xΦ9x4.5 Φ10xΦ6x3 Φ9xΦ4x4 Φ9xΦ5x3 Φ11xΦ7x3</p>	<p>16066</p>  <p>M3x10 M3x2.5 M3x3</p>		

GENERAL REPLACEMENT PARTS

<p>16067</p>  <p>M2.5x12 M2.5x14 M2.5x8 M2.5x6 M2.5x5</p>	<p>16068</p>  <p>M2.5x16 M2.5x10 M2.5x8</p>
<p>16069 16069-1</p>  <p>ESC 35A ESC 25A</p>	<p>16070</p>  <p>Servo 17g</p>
<p>16071</p>  <p>Servo 25g</p>	<p>16072 16072-1</p>  <p>2847Motor 2440Motor</p>
<p>16073</p>  <p>Planet Gear Joints</p>	<p>16074 16074-1</p>  <p>2200mAh Battery 1700mAh Battery</p>

