

1/16 Scale 4WD Electric Off-road Truggy Manual

www.zdhobby.com

BRUSHED EDITION
#9056

RAPTORS TX-16



40+ 55
Kmh
Revised
Demand

*Just charge the
batteries and GO!*



TX-16 Specifications

Length: 10.09"(276mm)
Width: 8.14"(206mm)
Height: 4.26"(108mm)
Wheel Base: 7.11"(180mm)
Gear Ratio: 10.5: 1
Wheel Spec: $\Phi 77 \times 37$ mm
Ground Clearance: 0.71"(18mm)

ZD RACING

This manual expaliate 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.

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.

SHENZHEN XINGYAOHUA INDUSTRIAL CO.,LTD
www.xingyao.com
Tel: +86 (755) 66822520 +86 (755) 84008148
Fax: +86 (755) 66822525 +86 (755) 84673903
Email: xyh@xingyao.com P.C: 518000

www.zdhobby.com



Made in China

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.xingyao.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.



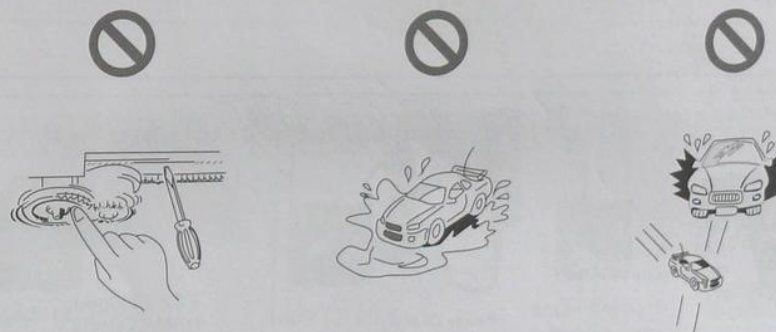
Warning: because of the neglect of these operating instructions, and use wrongly may cause property damage or serious injury.

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.

Brushed(9056)

1



2



2.4G 3 channel Remote control

3



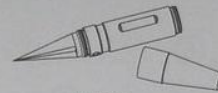
Power Charger

4



7.2V 1200mAh Ni-MH Battery

Recommended maintenance tools(not included)



#1328 Body Reamer



#1329 Hobby Scissors



#1330 3.0 Cross Wrench



#1331 1.5 Hex Wrench



#1332 2.0 Hex Wrench



#1333 2.5 Hex Wrench



#1334 5.0 Nut Driver



#1335 5.5 Nut Driver



#1336 7.0 Nut Driver



#1337 8.0 Nut Driver

Symbols used throughout the instruction manual



All kinds of grease (not included on the products)



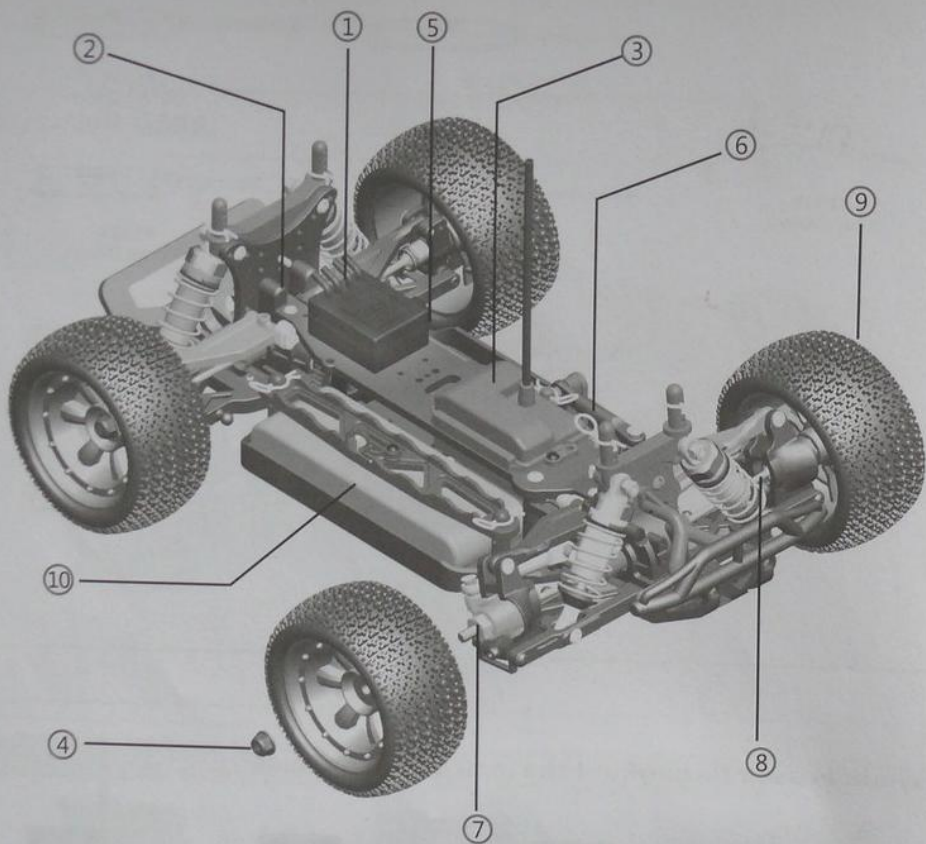
Apply CA glue (not included)



Assemble both L/R sides

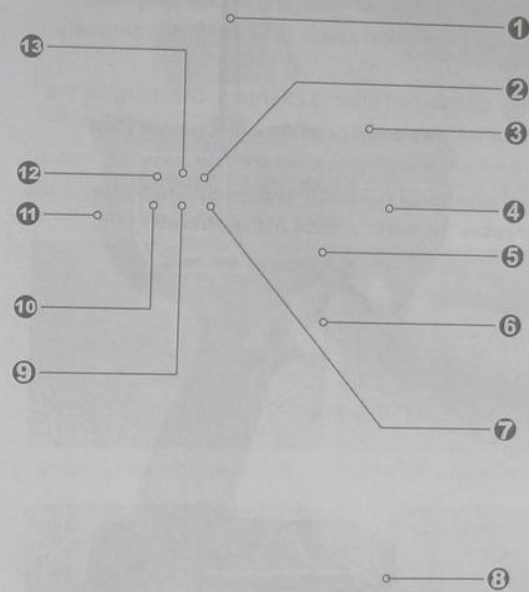


Assemble both F/R sides



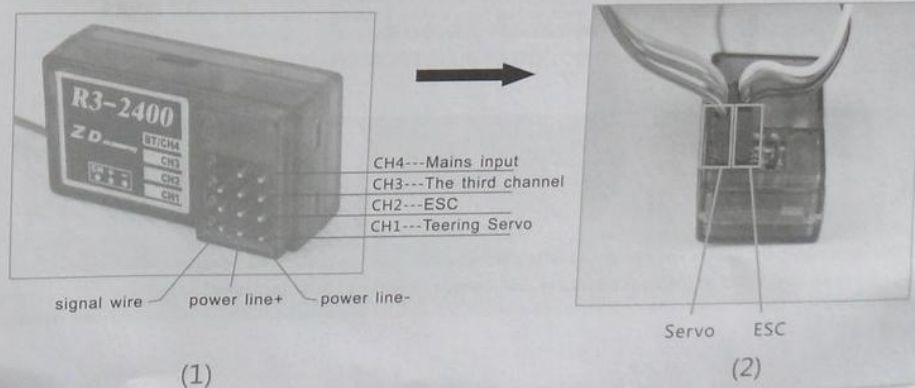
1	Brushed ESC	6	Servo
2	Gear Box	7	Wheel Hub
3	Receiver	8	Drive Shaft
4	Locknut	9	Tire
5	Brushed Motor	10	Battery

RADIO-Part Number



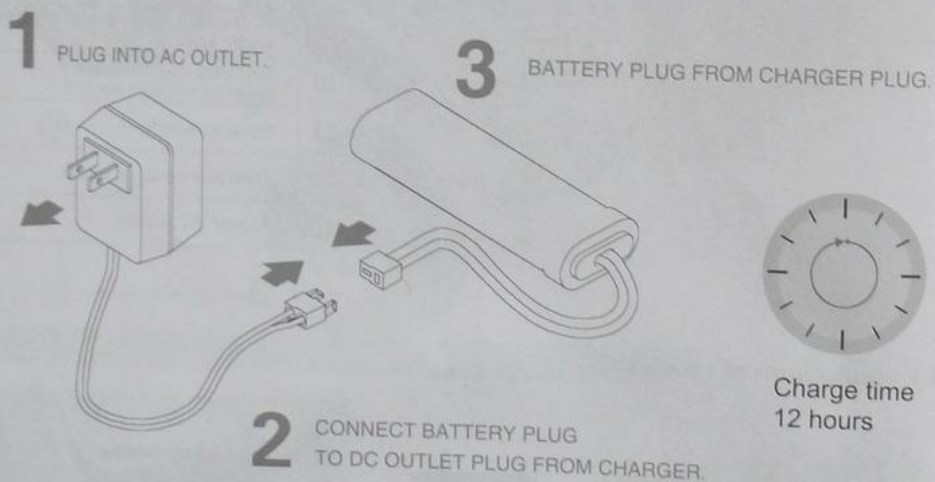
1	Antenna
2	Directional neutral knob
3	Switch of 3rd channel
4	Throttle ratio switch
5	ST (rudder) disc
6	TH (throttle) trigger
7	ST (rudder) forward / reverse rudder switch
8	Battery cartridge
9	ST (rudder) big / small rudder angle knob
10	TH (throttle)forward / reverse rudder switch
11	Power switch
12	Throttle neutral knob
13	Power indicator

The connection of receiver



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).
- Make sure that the battery pack is completely discharged prior to charging. Discharging the battery pack by running the electric motor until it slows down or using a discharger (Not included).
- 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.



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.

Racing Operation Steps

Racing Steps



Open the cap of the radio



Put 4 AA batteries into the battery tank (Please note the Positive and Negative)



Cover the cap of the radio

Note: 1. In order to get the better control effect, we recommend you to use AA 1.5 V alkaline batteries (not included in the product), the ratio of 1.2 V rechargeable battery effect is better. 2. Battery if installation errors of the pole, or long time no management will lead leakage. 3. Do not use the old battery and new battery hybrid together. 4. If long time idle, do not leave the battery in the remote control.



Properly installed antenna tube



put the battery into the battery tank



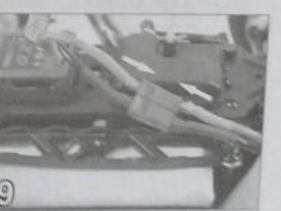
cover the battery box



Adjust the throttle, steering vernier adjustment knob button to median (MID) direction .big/small rudder Angle knob button to 120%



Be sure to first open the remote control power, and then open the model car power supply, switch on the power, the motor delivering a diz - diz - - - sounds, it means the motor for standby state. open radio button, the motor will begin to run.



Finish racing note



Turn off the ESC and disconnect the power plug.



Turn off the radio

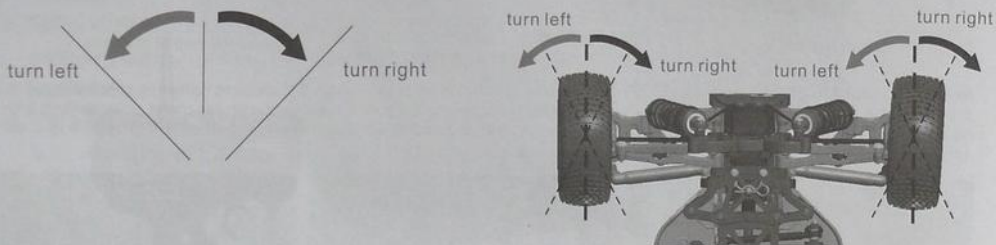


Put out the battery

The adjustment of Radio

First open the transmitter power, connect the Lipo battery power output plugs and electronic governor power input plug. Then turn on the ESC. (The 1 ps 7.4 V battery on the car, when turning on the power supply must pay attention to the positive and negative pole), hearing the tone or the power indicator light is lit.

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.

Center Position Center Position

- ◆ 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.

Throttle operation



- (1) Slowly press the throttle operation lever, the cars will be slow to overtake.
- (2) When the throttle lever to push up, the car will be braking action. when making brake - median - brake action, the car will make back action. when there is not consistent, please strike on the remote control of TH (oil Door) and rudder switch.
- (3) When the throttle machine didn't do any action, wheels appear to be automatic forward or backward rotation, you can adjust the throttle median knob on the remote control, until the car static.
- (4) When press the throttle lever, but the car no any reaction (perhaps with diz diz diz ~ ~ ~ the buzzing sound), but the rudder function is normal, it shows that the car drive system get into safe mode, now please correct TH (throttle) a knob, until the gas operation normal or buzzing sound stop.

Recode match Steps

Step1

Open the receiver power supply



Turn on the ESC

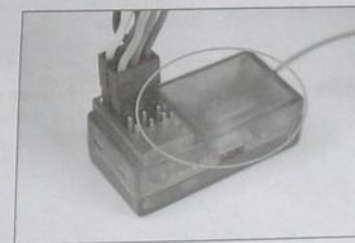
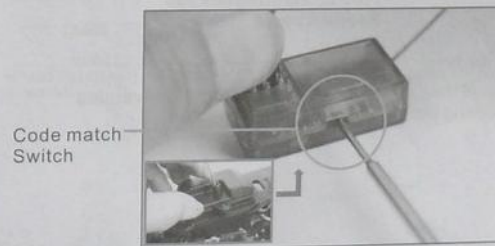


1. First turn on the car power supply, and then open the transmitter power, turn on the model car power supply, at this point, the signal light is blinking. and the ESC will be issued diz ~ ~ ~ sound, it's said that the receiver search less than emission signal. (note: usually you don't need to code, only replace receiver or transmitter needed to to recode, when code, do not have the same transmitter launch signal nearby, otherwise the receiver will not be able to identify the correct signal source).

Step2

Hold the receiver button for 2~3 seconds

The indicator lights turn on constantly



2. Hold the code button on the receiver for 2~ 3 seconds. The indicator lights shows blink to constantly, the diz ~ ~ sounds of the ESC stopped, it means that code match successfully.

TROUBLESHOOTING

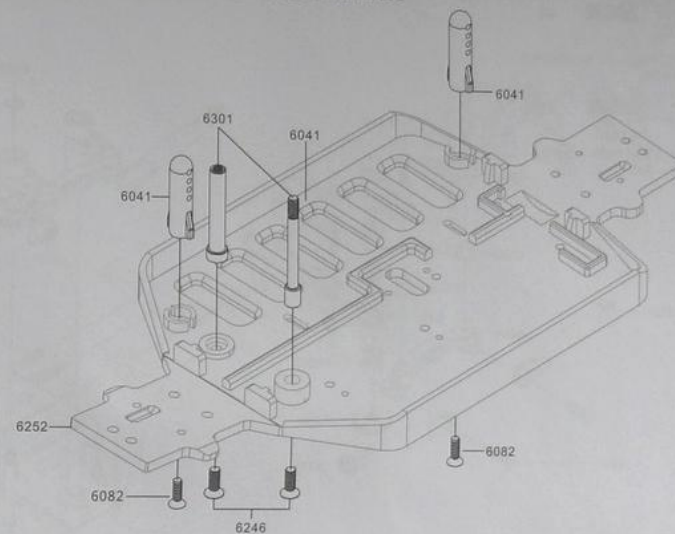
If you have trouble starting or keeping your love car running, here's a quick checklist of what to look for first.

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

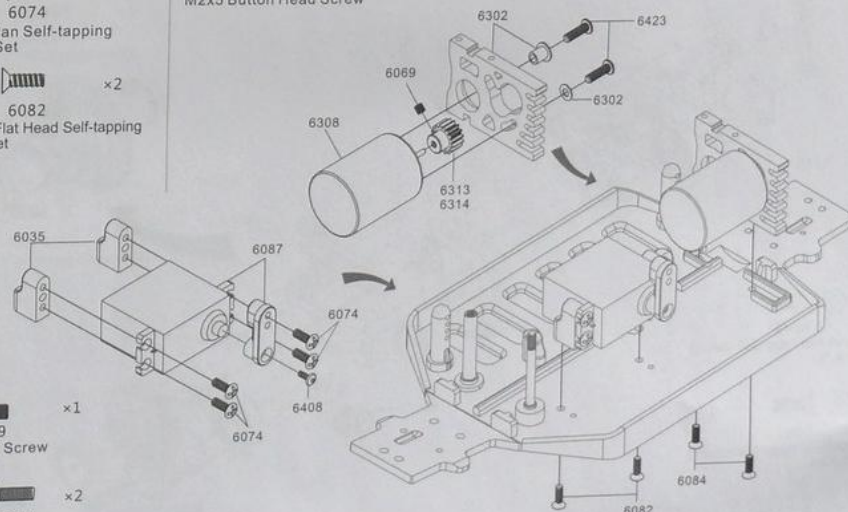
1:1 SCALE



1. BATTERY STRUT ASSEMBLY



2. SERVO AND MOTOR ASSEMBLY

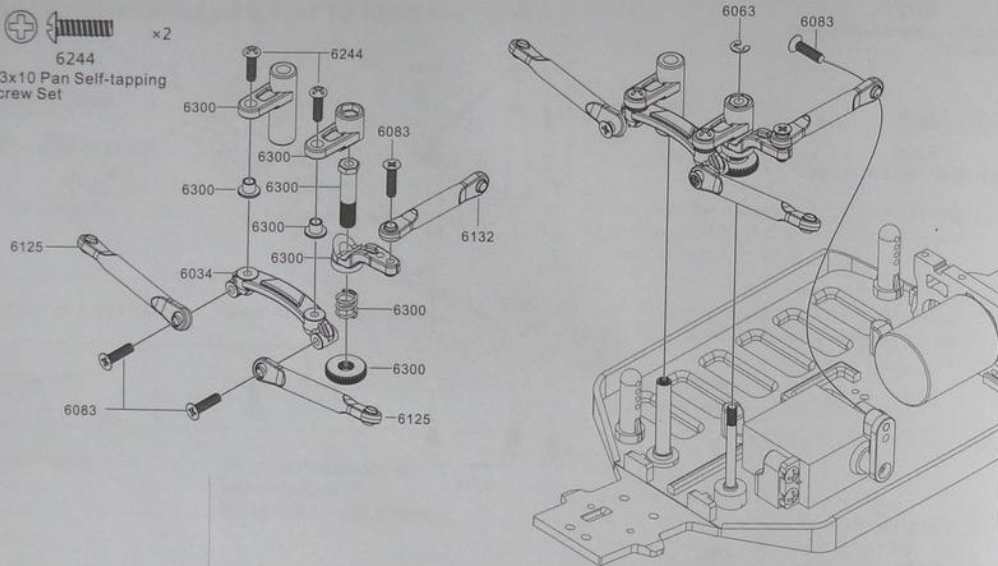


1:1 SCALE

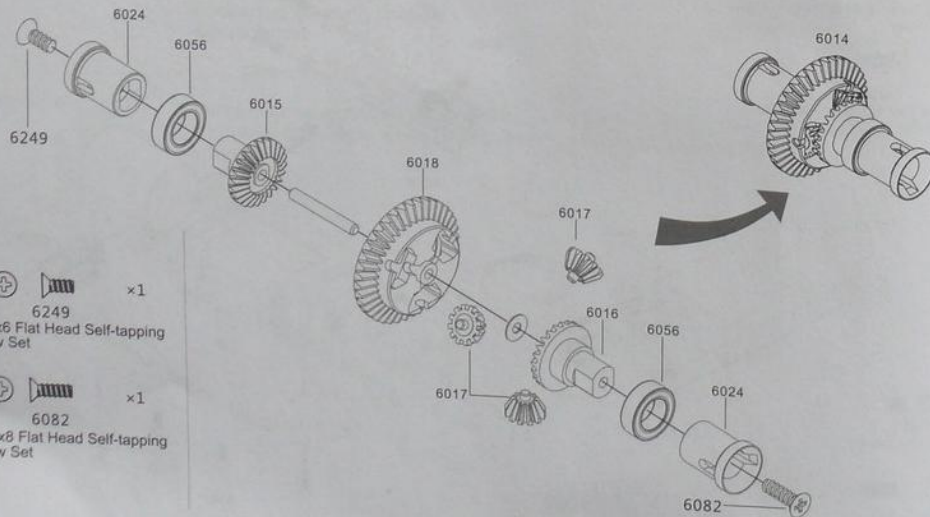
3. STEERING ASSEMBLY

⊕  ×4
6083
M3x12 Flat Head Self-tapping
Screw Set

⊕  ×2
6244
M3x10 Pan Self-tapping
Screw Set



4. DIFFERENTIAL ASSEMBLY





⊕  ×1
6249
M2.6x6 Flat Head Self-tapping
Screw Set

⊕  ×1
6082
M2.6x8 Flat Head Self-tapping
Screw Set

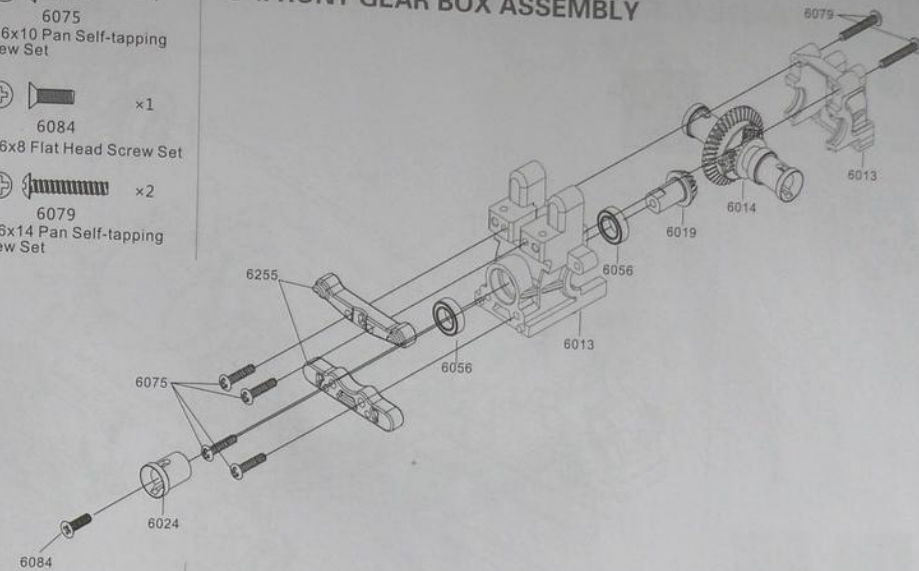
1:1 SCALE

5. FRONT GEAR BOX ASSEMBLY

⊕  ×4
6075
M2.6x10 Pan Self-tapping
Screw Set

⊕  ×1
6084
M2.6x8 Flat Head Screw Set

⊕  ×2
6079
M2.6x14 Pan Self-tapping
Screw Set



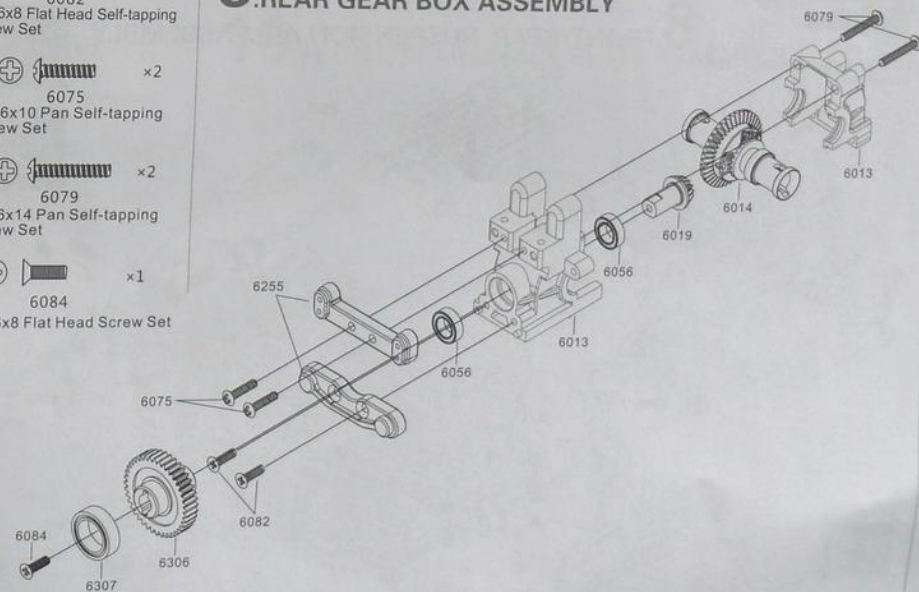
⊕  ×2
6082
M2.6x8 Flat Head Self-tapping
Screw Set

⊕  ×2
6075
M2.6x10 Pan Self-tapping
Screw Set

⊕  ×2
6079
M2.6x14 Pan Self-tapping
Screw Set

⊕  ×1
6084
M2.6x8 Flat Head Screw Set

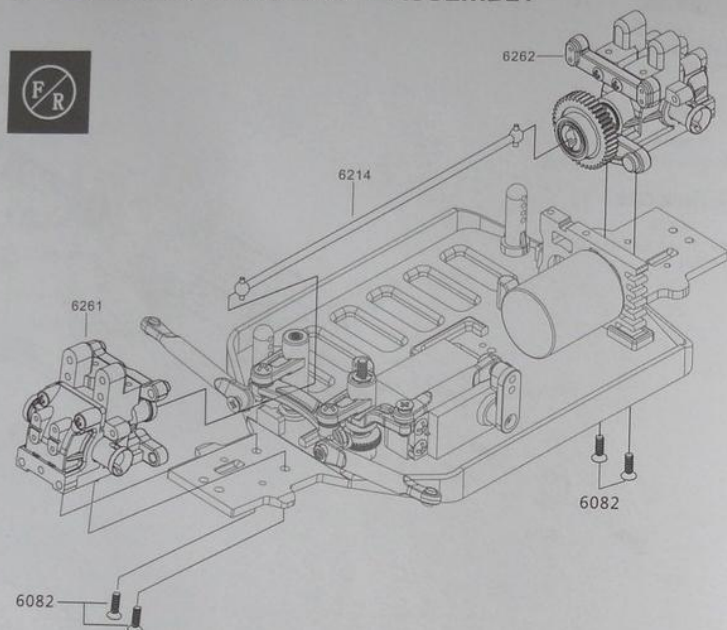
6. REAR GEAR BOX ASSEMBLY



1:1 SCALE

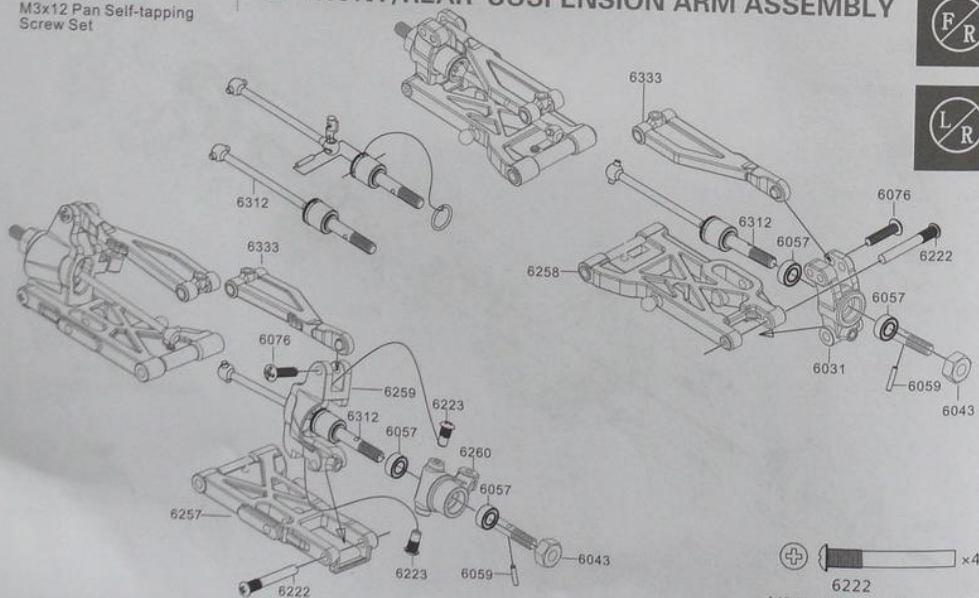
7. GEAR BOX, DRIVE SHAFT ASSEMBLY



  x4
6082
M2.6x8 Flat Head Self-tapping
Screw Set



  x4
6076
M3x12 Pan Self-tapping
Screw Set

8. FRONT/REAR SUSPENSION ARM ASSEMBLY

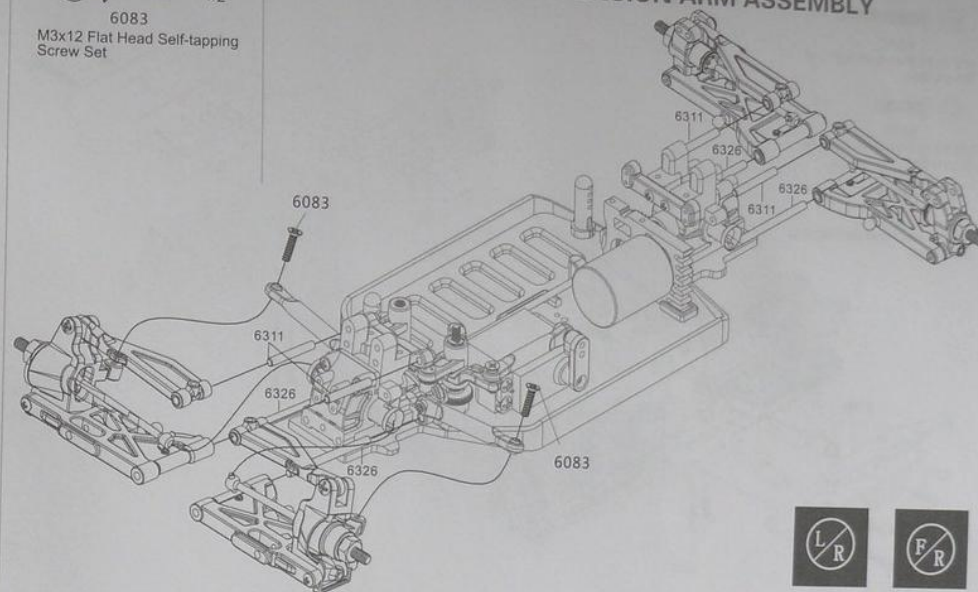


  x4
6222
M3.5x23 Lower Suspension Pins

1:1 SCALE

9. FRONT/REAR SUSPENSION ARM ASSEMBLY

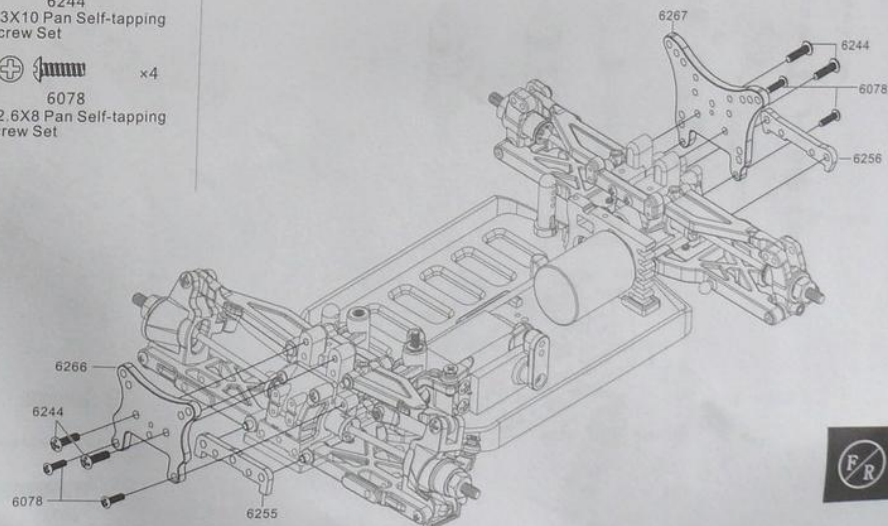
  x2
6083
M3x12 Flat Head Self-tapping
Screw Set



  x4
6244
M3X10 Pan Self-tapping
Screw Set

  x4
6078
M2.6X8 Pan Self-tapping
Screw Set

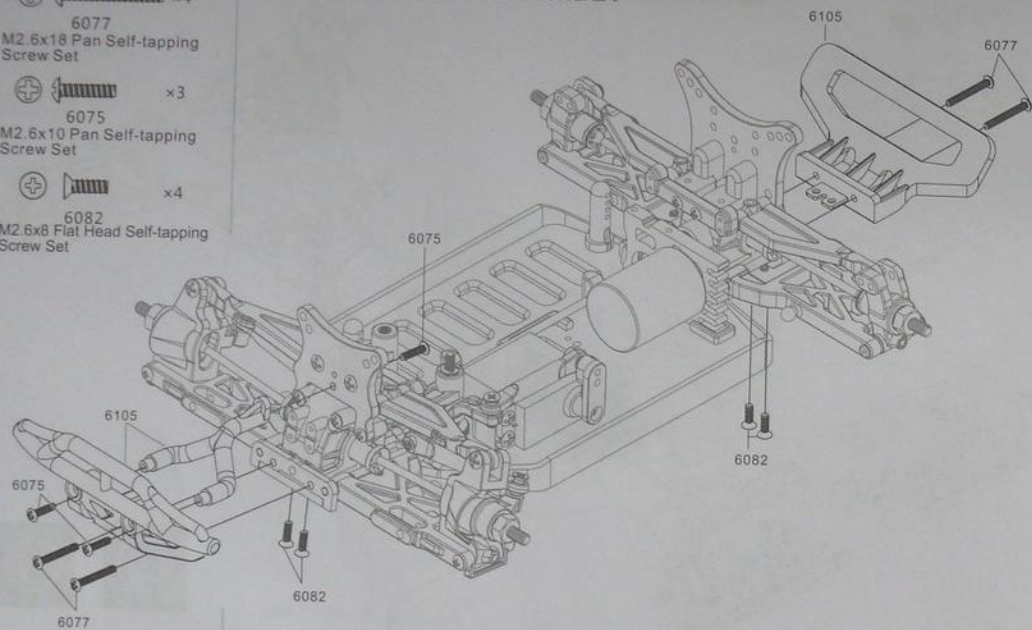
10. FRONT/REAR SHOCK PLATE ASSEMBLY



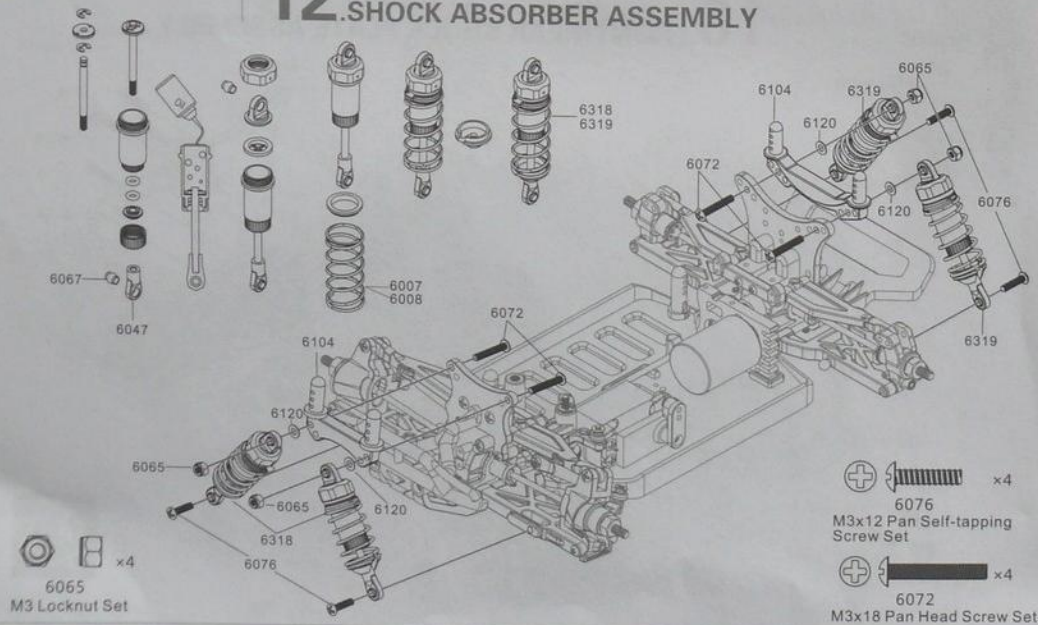
1:1 SCALE

11. BUMPER ASSEMBLY

- x4
6077
M2.6x18 Pan Self-tapping
Screw Set
- x3
6075
M2.6x10 Pan Self-tapping
Screw Set
- x4
6082
M2.6x8 Flat Head Self-tapping
Screw Set



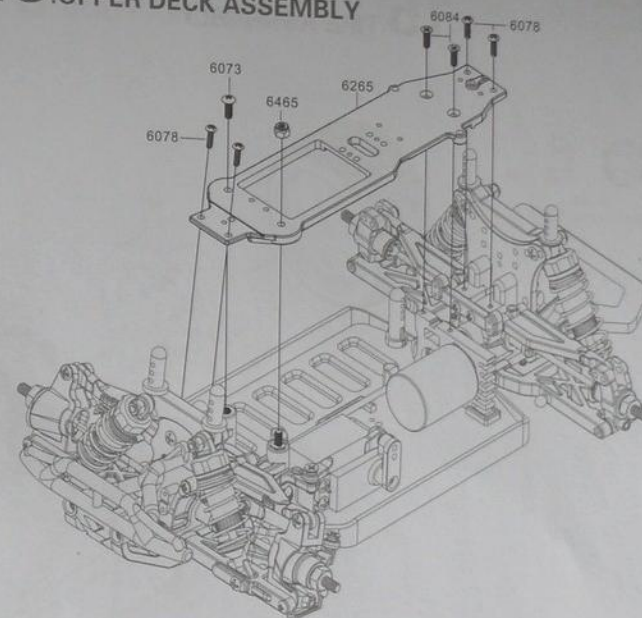
12. SHOCK ABSORBER ASSEMBLY



1:1 SCALE

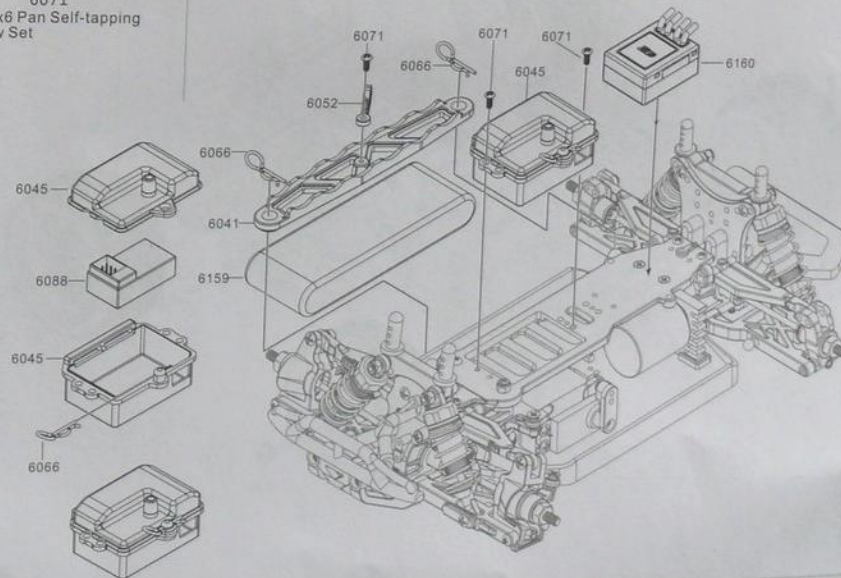
13. UPPER DECK ASSEMBLY

- x1
6073
M3x8 Pan Head Screw Set
- x4
6078
M2.6x8 Pan Self-tapping
Screw Set
- x2
6084
M2.6x8 Flat Head Screw Set



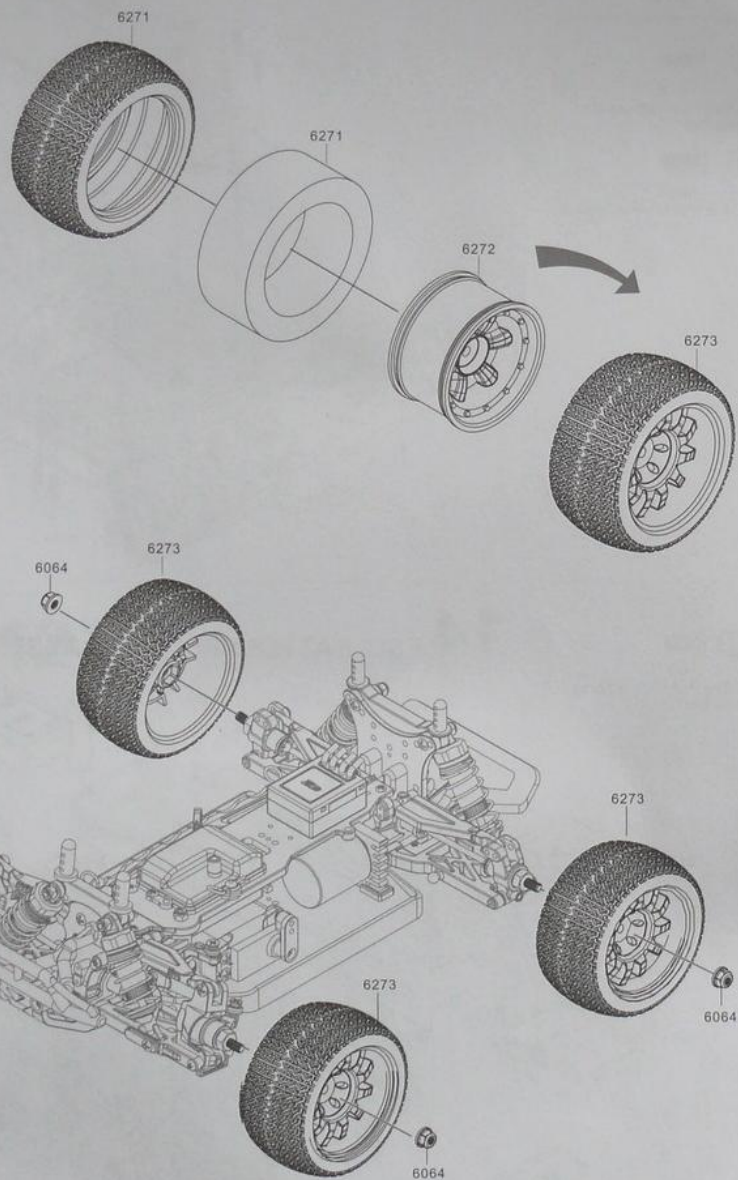
14. ESC\ BATTERY\ RECEIVER ASSEMBLY

- x5
6071
M2.6x6 Pan Self-tapping
Screw Set



1:1 SCALE

15. TIRE ASSEMBLY



1:1 SCALE

16. BODY ASSEMBLY

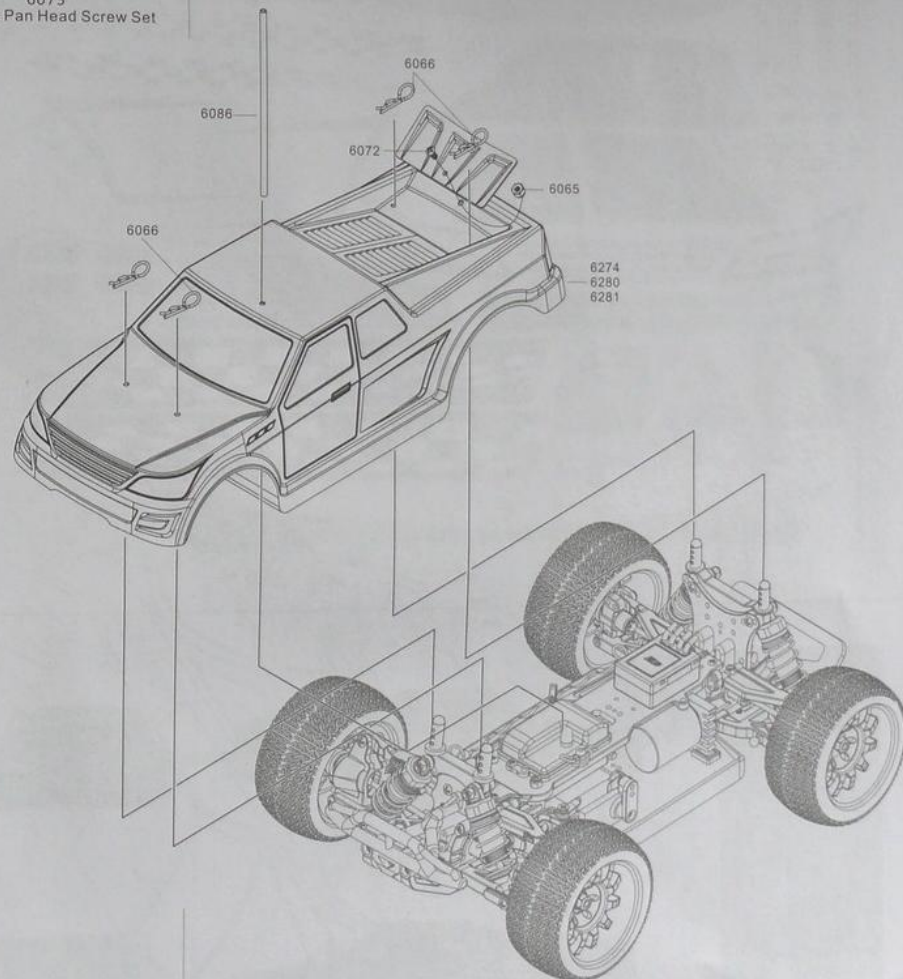
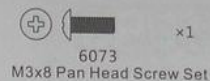
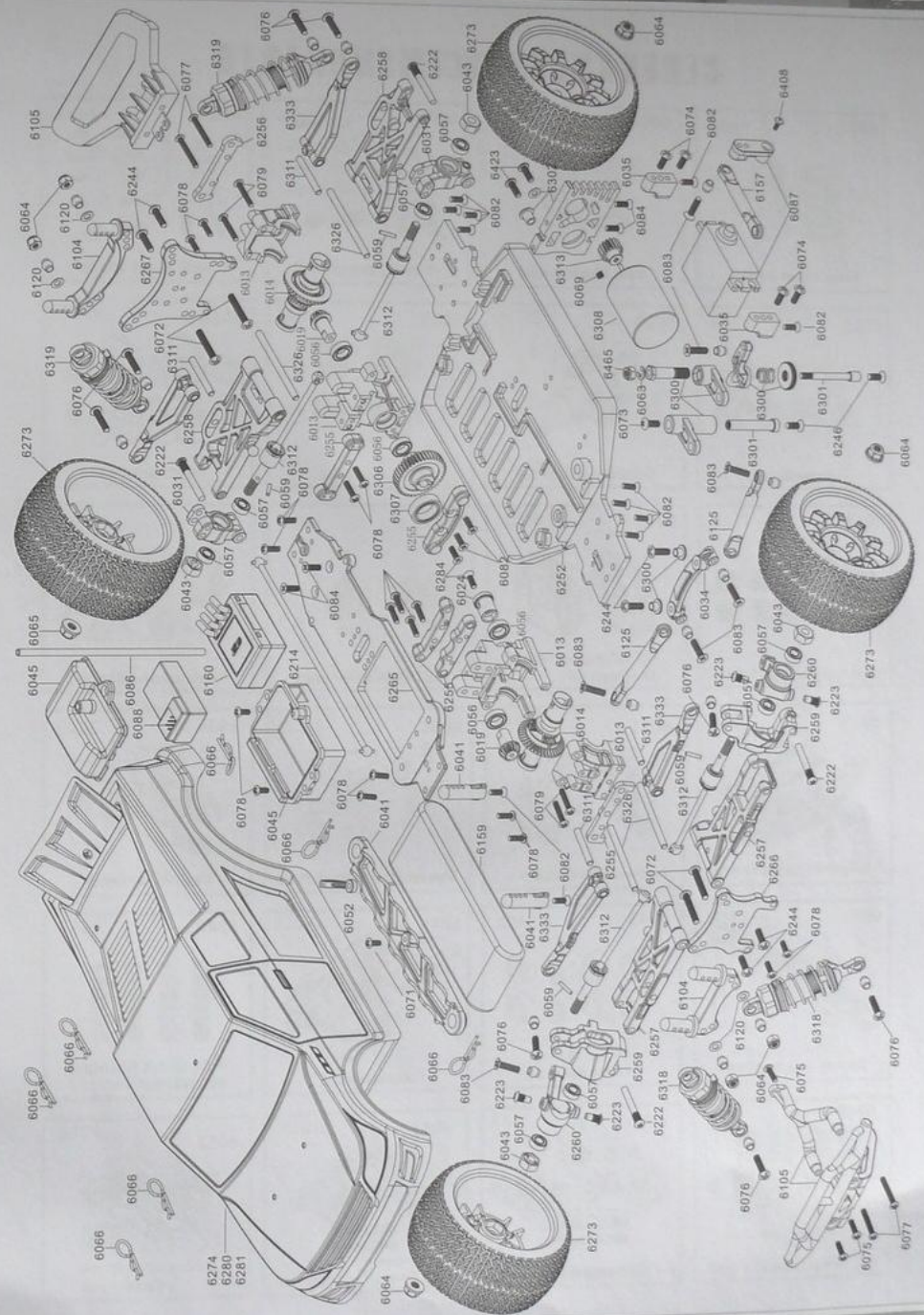
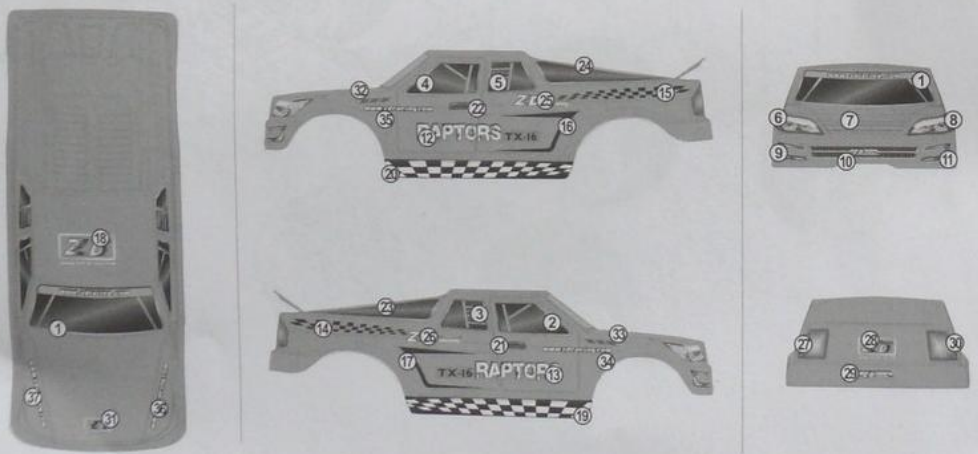
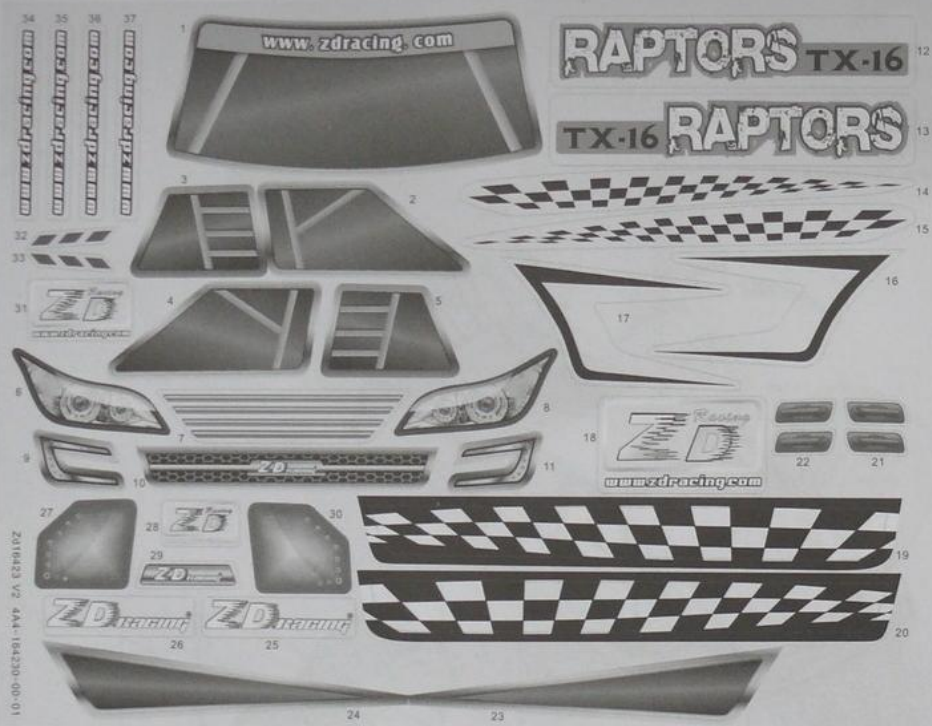

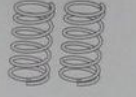

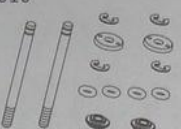
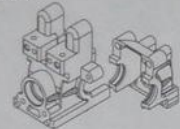


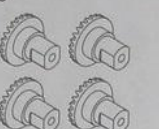





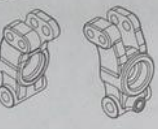
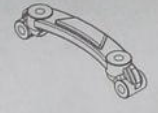

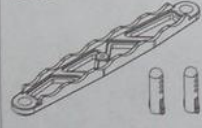

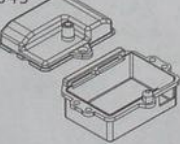


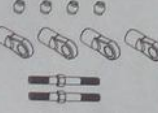
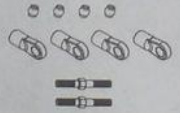
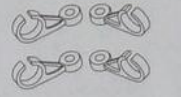











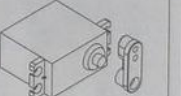


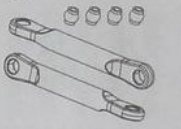
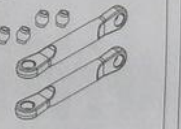

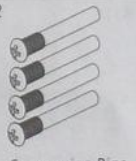

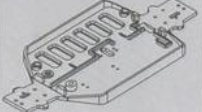


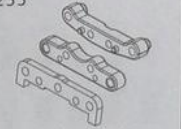
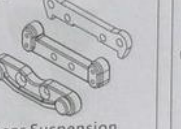
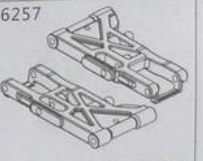

DIAGRAM OF BODYSHELL TAGS



GENERAL REPLACEMENT PARTS

6007  Front Shock Spring	6008  Rear Shock Spring	6009  Front Shock Shafts	6010  Rear Shock Shafts
6013  Gear Box	6014  Differential Gear Set	6015  24T-01 Gears	6016  24T-02 Gears
6017  12T Gears	6018  38T Differential Gears (Die-cast)	6019  14T Gears (Die-cast)	6024  Transmission Cup Set
6025  Upper Suspension Set	6031  Rear Hub Carriers	6034  Steering Connecting Plate	6035  Servo Mounts
6041  Battery Tray and Posts	6043  Wheel Hex Nuts	6045  Receiver Box	6047  Rear Shock Absorber Ball Heads
6048  Ball Heads	6050  Steering Rod Sets	6051  Servo Rod Sets	6052  Clips

GENERAL REPLACEMENT PARTS

6056  Bearing Set φ10xφ6x3	6057  Bearing Set φ8xφ4x3	6059  Pin Set φ1.5x8	6063  E-Ring Set 2.5x0.4T
6064  M4 Locknut Set	6065  M3 Locknut Set	6066  R-Pin Set φ1.2	6067  Ball Head Set
6086  Antenna Tubes	6087  2.2kg Servo	6088  Receiver	6120  Shock Absorber Washer Set
6125  Steering Rod Sets	6132  Servo Rod Sets	6214  Horizontal Drive Shafts	6222  Lower Suspension Pins
6223  Steering Screw	6252  Chassis (plastic)	6253  Front Shock Plate (Aluminum)	6254  Rear Shock Plate (Aluminum)
6255  Front Suspension Arm Mounts	6256  Rear Suspension Arm Mounts	6257  Front Suspension Arm Set	6258  Rear Suspension Arm Set

GENERAL REPLACEMENT PARTS

<p>6259</p> <p>C-mounts</p>	<p>6260</p> <p>Steering Arms</p>	<p>6261</p> <p>Front Differential Gear Set</p>	<p>6262</p> <p>Rear Differential Gear Set</p>
<p>6265</p> <p>Upper Deck (plastic)</p>	<p>6266</p> <p>Front Shock Plate (Plastic)</p>	<p>6267</p> <p>Rear Shock Plate (Plastic)</p>	<p>6300</p> <p>Steering Set</p>
<p>6301</p> <p>Steering Shafts</p>	<p>6302</p> <p>Motor Mount</p>	<p>6306</p> <p>40T Gears</p>	<p>6307</p> <p>Bearing Set φ15xφ10x4</p>
<p>6311</p> <p>Pin Set φ3x22.4</p>	<p>6312</p> <p>Universal Drive Shaft</p>	<p>6313</p> <p>Motor Gear 11T\13T</p>	<p>6314</p> <p>Motor Gear 14T\16T</p>
<p>6318</p> <p>Front Shock Set</p>	<p>6319</p> <p>Rear Shock Set</p>	<p>6326</p> <p>Pin Set φ3x41.5</p>	<p>6333</p> <p>Upper Suspension Set</p>
<p>6346</p> <p>Simple tool kit</p>	<p>6463</p> <p>Brushless motor heat sink</p>	<p>6422</p> <p>2.4G Pistol Grip Radio</p>	

GENERAL REPLACEMENT PARTS

<p>6069</p> <p>M3x3 Set Screw</p>	<p>6070</p> <p>M3x4 Set Screw</p>	<p>6071</p> <p>M2.6x6 Pan Self-tapping Screw Set</p>	<p>6072</p> <p>M3x18 Pan Head Screw Set</p>
<p>6073</p> <p>M3x8 Pan Head Screw Set</p>	<p>6074</p> <p>M3x6 Pan Self-tapping Screw Set</p>	<p>6075</p> <p>M2.6x10 Pan Self-tapping Screw Set</p>	<p>6076</p> <p>M3x12 Pan Self-tapping Screw Set</p>
<p>6077</p> <p>M2.6x18 Pan Self-tapping Screw Set</p>	<p>6078</p> <p>M2.6x8 Pan Self-tapping Screw Set</p>	<p>6079</p> <p>M2.6x14 Pan Self-tapping Screw Set</p>	<p>6080</p> <p>M2x6 Flat Head Self-tapping Screw Set</p>
<p>6082</p> <p>M2.6x8 Flat Head Self-tapping Screw Set</p>	<p>6083</p> <p>M3x12 Flat Head Self-tapping Screw Set</p>	<p>6084</p> <p>M2.6x8 Flat Head Screw Set</p>	<p>6244</p> <p>M3x10 Pan Self-tapping Screw Set</p>
<p>6246</p> <p>M3x8 Flat Head Screw Set</p>	<p>6249</p> <p>M2.6x6 Flat Head Self-tapping Screw Set</p>	<p>6404</p> <p>M3x8 Button Head Screw</p>	<p>6408</p> <p>M2x5 Button Head Screw</p>
<p>6423</p> <p>M2.5x8 Button Head Screw</p>			

BRUSHLESS ELECTRONIC REPLACEMENT PARTS

6090 7.4V 1500mAh 15C Li-Po	6091 40A Brushless ESC	6215 Charger	6310 B2435 Brushless Motor 3300KV
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BRUSHED ELECTRONIC REPLACEMENT PARTS

6159 7.2V 1200mAh Ni-MA Battery	6160 30A Brushed ESC	6161 Charger	6308 Brushed Motor 380
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BUGGY (BX-16) REPLACEMENT PARTS

6328 Front/Rear Bumper	6295 Tyre+Inserts front	6296 Tire Rim Set	6297 Tire Set
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6097 Body Post Set	6095 Tail Wing Bracket Set	6098 Shock Absorber Washer Set	6377 Body Transparent
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6298 Body Transparent (PVC)	6284 Body Black (PVC)	6285 Body Yellow (PVC)	
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6286 Tail White	6287 Tail Black	6288 Tail Yellow	
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TRUCK (MT-16) REPLACEMENT PARTS

6105 Front/Rear Bumper	6219 Tyre+Inserts front	6220 Tire Rim Set	6221 Tire Set
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6104 Body Post Set	6042 Body Transparent (PVC)	6268 Body Yellow (PVC)	6269 Body Army green (PVC)
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6382 Body Transparent			
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TRUGGY (TX-16) REPLACEMENT PARTS

6105 Front/Rear Bumper	6271 Tyre+Inserts front	6272 Tire Rim Set	6273 Tire Set
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6104 Body Post Set	6280 Body Wine, green (PVC)	6281 Body silver (PVC)	6274 Body Transparent (PVC)
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6388 Body Transparent			
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GENERAL OPTIONAL UPGRADE PARTS

6234



Chassis(7075 Aluminum)

6235



Upper Deck(7075 Aluminum)

6236



Front Shock Plate
(7075 Aluminum)

6237



Rear Shock Plate
(7075 Aluminum)

6337



Chassis(carbon fiber)

6338



Upper Deck(carbon fiber)

6341



Front Shock Plate
(carbon fiber)

6339



Rear Shock Plate
(carbon fiber)

6335



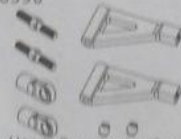
Front Shock Set(metal)

6336



Rear Shock Set(metal)

6390



Upper Suspension Set
(metal)

6391



Front Suspension Arm Set
(metal)

6392



Rear Suspension Arm Set
(metal)

6393



C-mounts(metal)

6394



Steering Arms(metal)

6395



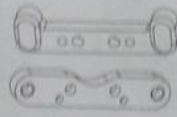
Rear Hub Carriers(metal)

6263



Front Suspension
Arm Mounts(metal)

6264



Rear Suspension
Arm Mounts(metal)

6230



Digital Servo 2.2kg

6231



Import Ball bearing

6324



Front Sway Bar Set

6325



Rear Sway Bar Set

6396



Steering Connecting
Plate(metal)

BUGGY (BX-16) OPTIONAL UPGRADE PARTS

6282



Butyl rubber (H R) tyres

6283



Tire Rim Set(metal)

TRUCK (MT-16) OPTIONAL UPGRADE PARTS

6228



Butyl rubber (H R) tyres

6229



Tire Rim Set(metal)

TRUGGY (TX-16) OPTIONAL UPGRADE PARTS

6278



Butyl rubber (H R) tyres

6279



Tire Rim Set(metal)

BUGGY (BX-16) SPECIAL MATCHING TIRES



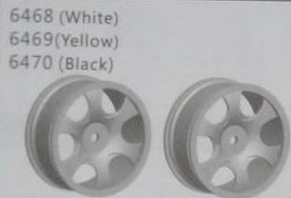
Tyre+Inserts front A



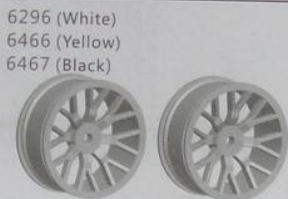
Tyre+Inserts front B



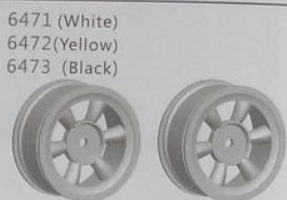
Tyre+Inserts front C



Tire Rim Set -1



Tire Rim Set -2



Tire Rim Set -3



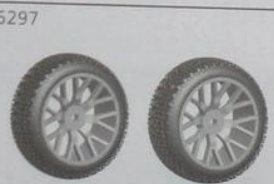
Tire Set-1A(White)



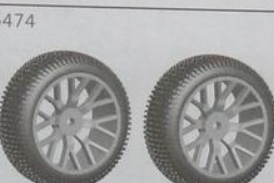
Tire Set-1B(Yellow)



Tire Set-1C(Black)



Tire Set-2A(White)



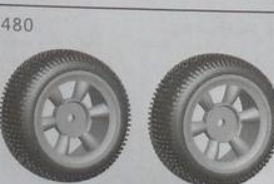
Tire Set-2B(Yellow)



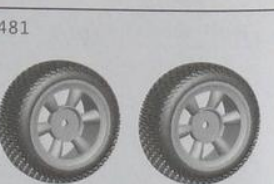
Tire Set-2C(Black)



Tire Set-3A(White)



Tire Set-3B(Yellow)



Tire Set-3C(Black)

TRUCK (MT-16) SPECIAL MATCHING TIRES



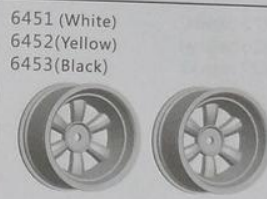
Tyre+Inserts front A



Tyre+Inserts front B



Tyre+Inserts front C



Tire Rim Set -1



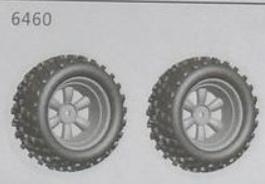
Tire Rim Set -2



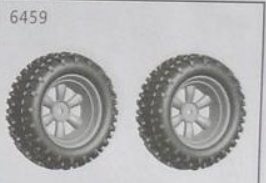
Tire Rim Set -3



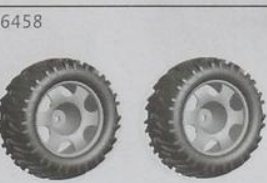
Tire Set-1A(Black)



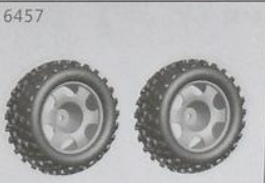
Tire Set-1B(Yellow)



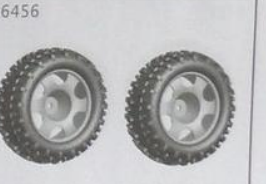
Tire Set-1C(White)



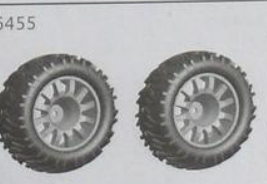
Tire Set-2A(Black)



Tire Set-2B(Yellow)



Tire Set-2C(White)



Tire Set-3A(Black)



Tire Set-3B(Yellow)



Tire Set-3C(White)



TRUGGY (TX-16) SPECIAL MATCHING TIRES

6271



Tyre+Inserts front A

6424



Tyre+Inserts front B

6425



Tyre+Inserts front C

6428 (White)
6429 (Yellow)
6435 (Black)



Tire Rim Set -1

6436 (White)
6437 (Yellow)
6438 (Black)



Tire Rim Set -2

6272 (White)
6426 (Yellow)
6427 (Black)



Tire Rim Set -3

6441



Tire Set-1A(White)

6442



Tire Set-1B(Yellow)

6443



Tire Set-1C(Black)

6482



Tire Set-2A(White)

6483



Tire Set-2B(Yellow)

6484



Tire Set-2C(Black)

6273



Tire Set-3A(White)

6439

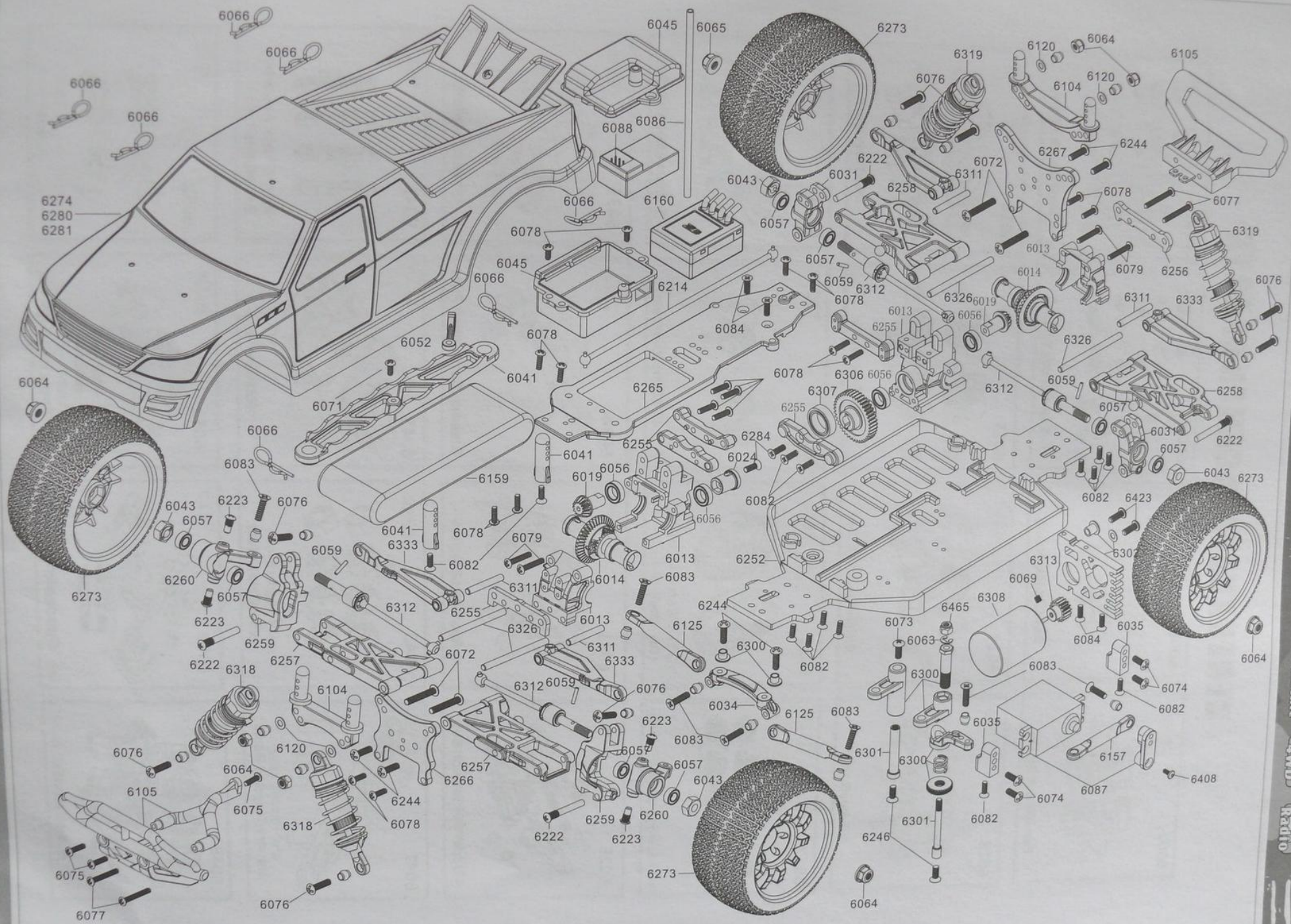


Tire Set-3B(Yellow)

6440

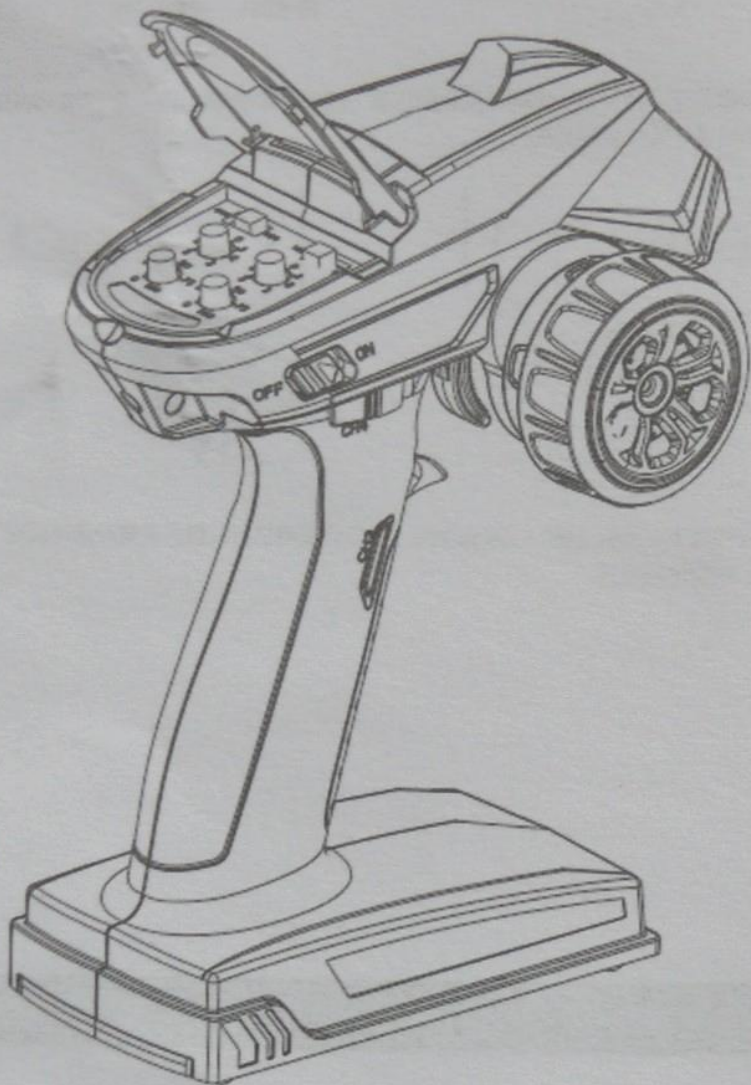


Tire Set-3C(Black)



- 4x4
- RTR
- Electric
- AWD
- 2-4G Radio

Quick Start Guide

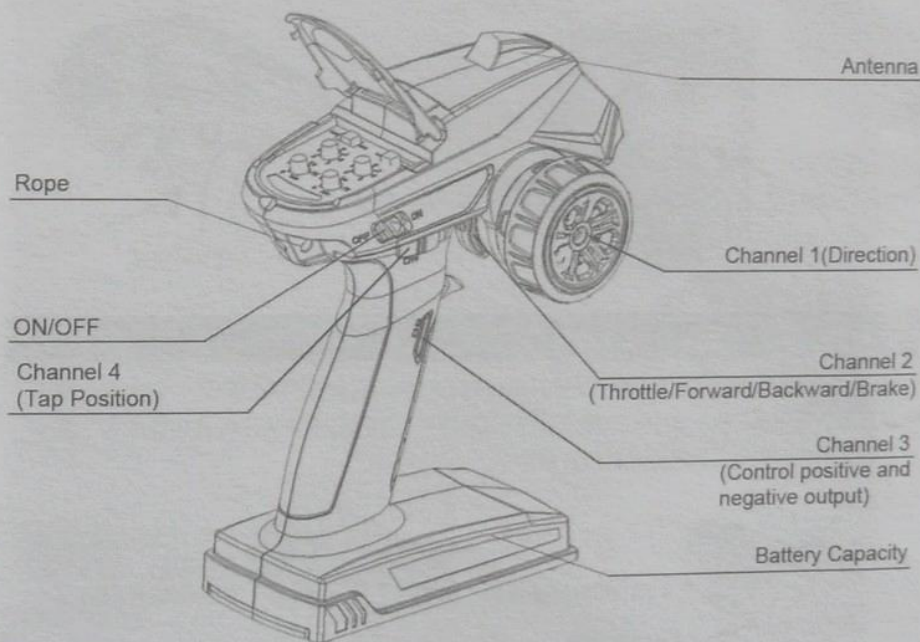


Dongguan ZD Hobby Co.,Ltd

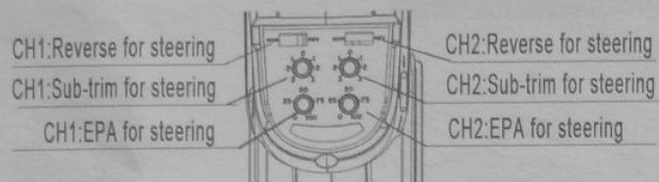
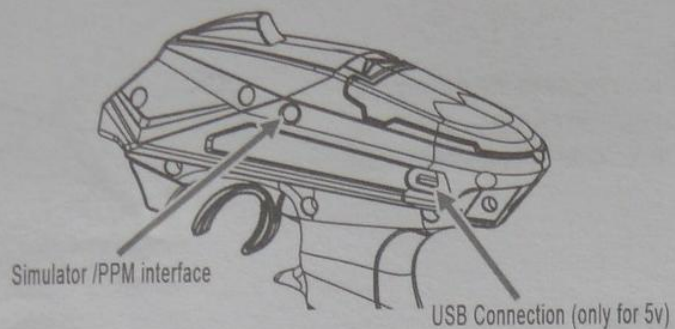
Features:

1. 2.4G technology, FHSS 67 channels frequency-hopping spread spectrum, highly resistant to anti-jamming.
2. Receiver response time is 3ms, ensuring a fast response and better control.
3. Smooth and highly sensitive to control inputs and stable at distances from 400-500m.
4. Compatible with a variety of vehicles; suitable for RC cars, RC boats and RC tanks.
5. With brake and fail safe, out of control protection function.
6. Each of the 3 channels can be set respectively, supporting mixed control of 1 and 2 channels.
7. Voltage range of the transmitter: 4.8V-12V(support 1s-3s), automatic identification of voltage, low voltage warning: 7.4V/4.8V
8. Voltage range of the receiver: 3.3V-10V, working current 30mA, supports high voltage servos.
9. The unique throttle speed limit adjustment function, allows beginners to practice at a safe speed.

Channel function



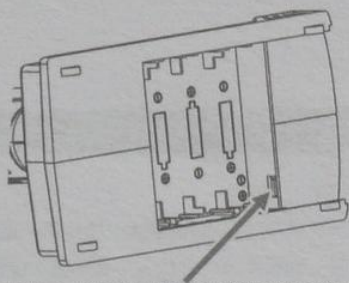
SIZE : 160*100*205MM



Basic operation

> Battery installation:

1. Open the battery compartment cover.
2. Insert 4 AA fully charged batteries or 2S Li-Po batteries with correct polarity. (No response if battery polarity reversed).
3. Replace battery compartment cover.



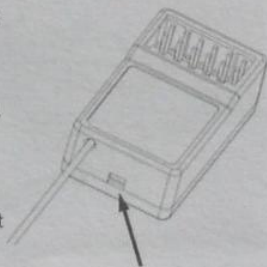
The battery socket is equipped with anti-reverse insertion function, wrong polarity connection will not burn the transmitter.

> Binding process:

1. Press receiver button, LED indicator fast flashing means entering into binding mode, the receiver will automatically start looking for the nearest transmitter signal,
2. The indicator will always be ON after successful binding.

A. Receiver response time is 3ms, ensuring a fast response and better control.

B. Voltage range of the receiver: 3.3V-10V, working current 30mA, supports high voltage servos.



> LED lights:

Direction control mode for servo normal steering: Blue light is always on.

Mixed direction control mode for tank: Red light is always on.

Low voltage warning: Yellow light flashes slowly.

Enter into the second level menu setting mode: Blue/Red light fast flashing.



> Radio control accessory

Phone bracket and transmitter hand carry set are available

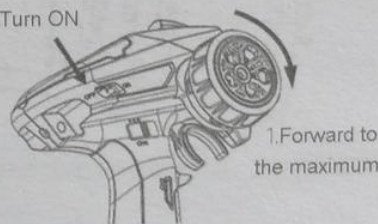


Menu Settings

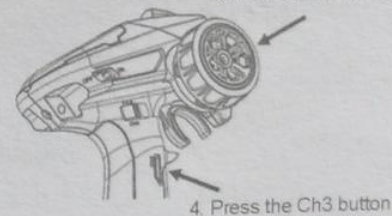
> Enter into program mode

Move the steering wheel to the max forward position, then power the transmitter, release the steering wheel and press the 3rd channel button. The panel LED indicator will flash quickly indicating that you have entered settings mode.

2. Turn ON



3. Release the wheel

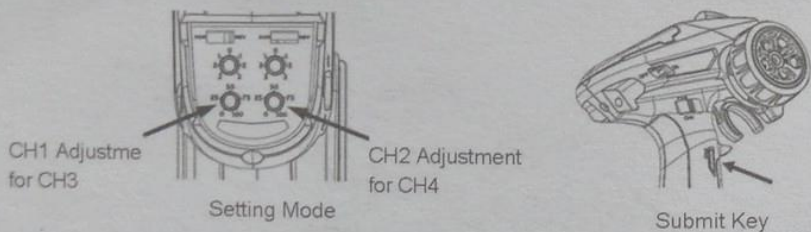


二、 The route of the forward and backward rotation of the direction wheel indicates the setting of the route of the servo. The route of the forward and backward of the throttle trigger indicates the forward and backward route. After the route sets well, the trigger and the steering wheel return to the middle position. If it is not necessary to set the 3rd-channel and 4th-channel route, press the 3rd-channel button to confirm the setting after the steering wheel and trigger are still at the mid-point for 3 seconds. After the setting is successful, the indicator light will stay on and enter the normal mode. (Default factory setting are maximum route for the 1st channel and 2nd channel)



1. In the setting mode, 1st and 2nd use the channel adjustment knob on the panel to set the 3rd channel and 4th channel route.
2. Namely after entering the secondary menu:
the item will be the default 1st and 2nd channel route of the adjust rotational position confirmed 3rd and 4th Channel route; it can be manually adjusted with the size of the knob numerical;
3. Change 3rd and 4th channel route, press the three channels to confirm the Settings.
(the Factory default maximum route: the 1 Channel knob to adjust the 3 Channel route, the 2 Channel knob to adjust the 4-channel route).

Caution: 1. After entering the Secondary menu, the system will automatically remove Channel 1 and Channel 2, the previous value of unilateral route memory, and must reset a unilateral route volume, otherwise the system defaults to 0. 2. After entering normal usage mode, the location of the Channel 1 and Channel 2 route represent the new Channel 1 and Channel 2; it can readjust the channel 1 and channel 2 route in usage mode.



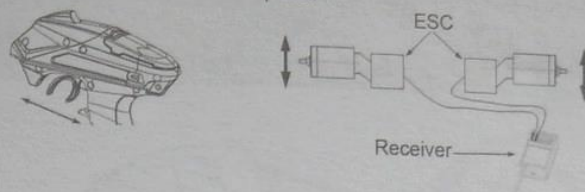
Mode switch:

Pull throttle trigger to the max, then power on the transmitter. After the LED indicator flashes quickly, release the trigger. The indicator LED will change colors, release the throttle trigger to the neutral position. The indicator light will stay solid, indicating that the mode is successfully switched. (Normal mode blue light is always on, mixing mode red light is always on)

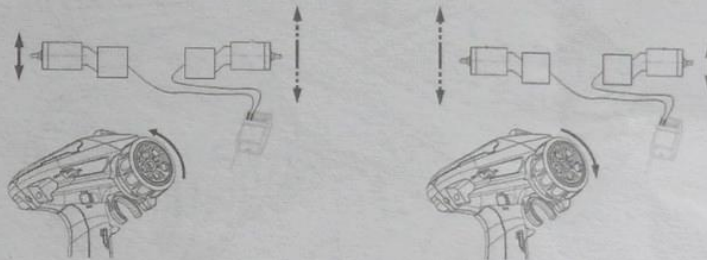
3. Turn ON
1. Push the trigger forward maximum
4. After the LED light flashes, pull the trigger backward maximum. release the trigger after the LED light changes color.

Mixed mode:

Connect the two ESC signal lines to the channel 1 and channel 2 of the receiver. under the mixed mode, the trigger moves backward and forward to control the rotation of the two motors. The positive and negative rotation of the motor can be set through the two positive and negative switches on the control panel.



In the mixed mode, the RC model moves forward at a certain speed. At this time, the speed of the two motors can be adjusted by channel 1 directional wheel to realize differential steering.



In the mixed control mode, the channel 1 and channel 2 pass forward and reverse direction, neutral point and motor route can be set separately.

Digital Proportional Radio Control System