

1/10-Scale 4WD Desert Buggy

Manual

www.zdhobby.com

ROCKET DESK-10



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.

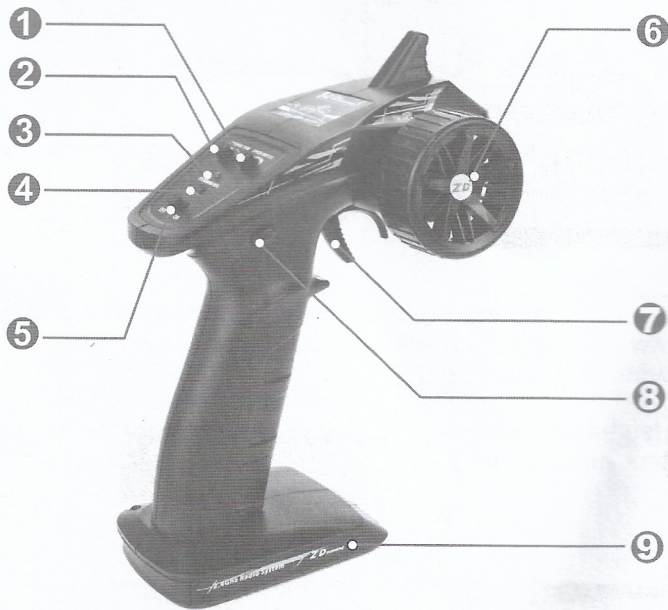
Ban: in any prohibited environment, do not try to operation.

SAFETY GUIDELINES

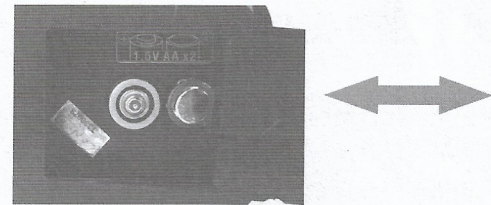
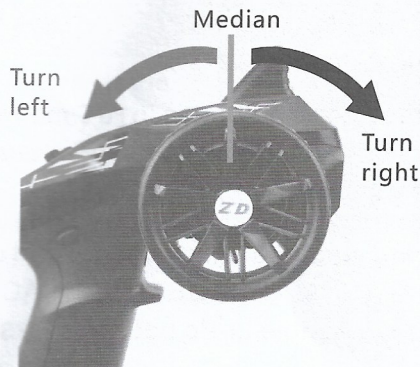
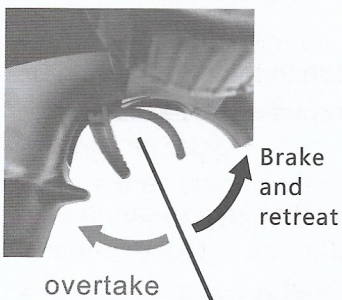
1. Don't operation the models close to open fires or near heat source.
2. Operation must be in the open and dry site .
3. The thunderstorm weather is forbidden to operate this product.
4. Away from the high voltage cables.
5. Some of the parts will be exothermic or burning after operated.
6. Please do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

RADIO-Part Number

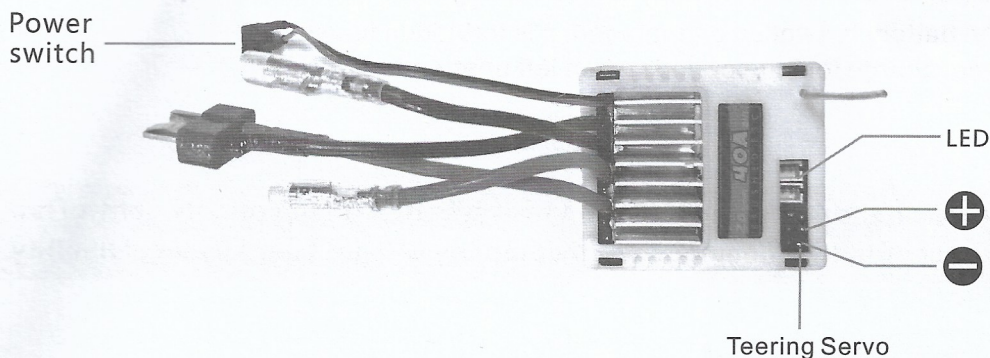


1	TH (throttle) trigger
2	ST(rudder) fine-tuning
3	Power indicator
4	ST (rudder) forward / reverse rudder switch
5	Power switch
6	ST (rudder) disc
7	TH (throttle)forward / reverse rudder switch
8	AUX
9	Battery cartridge



1. Put 2 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

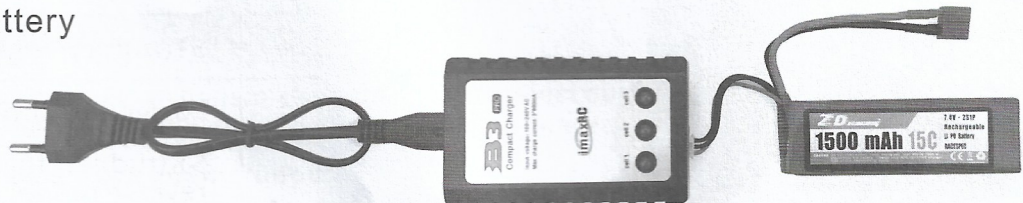
Brushed ESC receiver



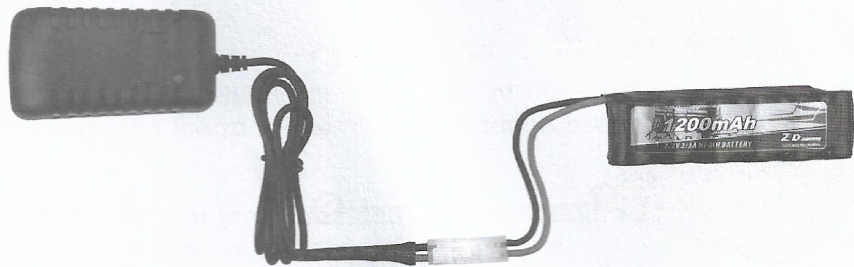
CHARGING THE BATTERY PACK

- 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).
- 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.

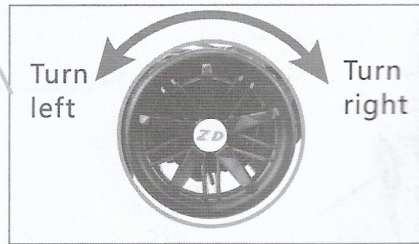
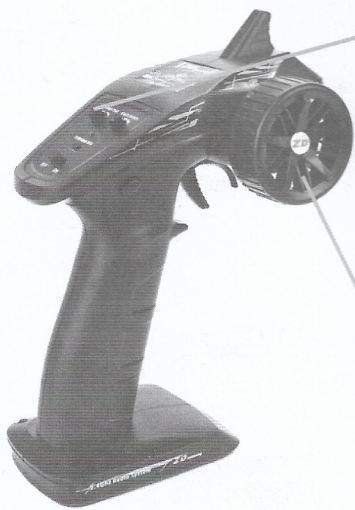
Warning: Lithium Polymer (Li-Po) batteries are intended only for advanced users that are educated on the risks associated with Li-Po battery use. THUNDER TIGER/ACE RC does not recommend that anyone under the age of 16 use or handle Li-Po battery packs without the supervision of a knowledgeable and responsible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

Important:

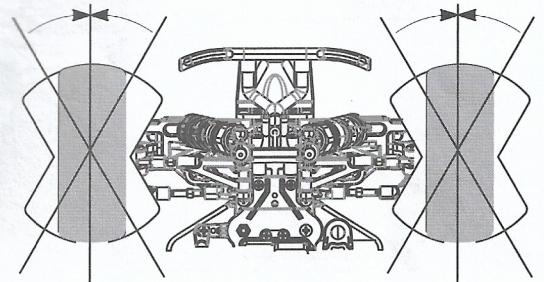
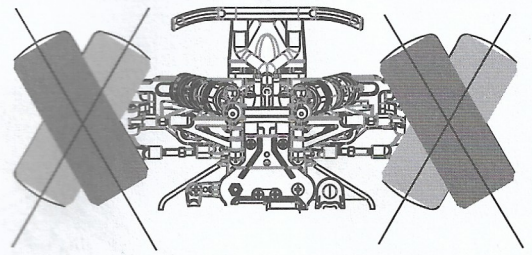
- Do not use NiCd/Ni-MH battery chargers for Li-PO batteries. If you do not use a special charger for Li-PO battery, they will be damaged.
- If the battery is swollen or damaged, it is forbidden to use.
- Do not charge for long periods when left unattended.

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



turn left turn right turn left turn right

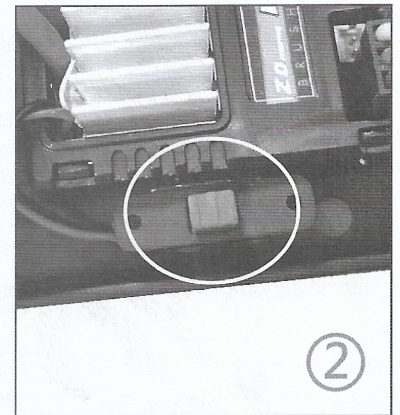


- 1) slowly rotating around the steering wheel, the car will be slow to the right or to the left accordingly (when there is no consistent please toggle on the remote control ST direction and rudder switch).
- 2) when the cars can't run straight, you can adjust te direction of the remote control on the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

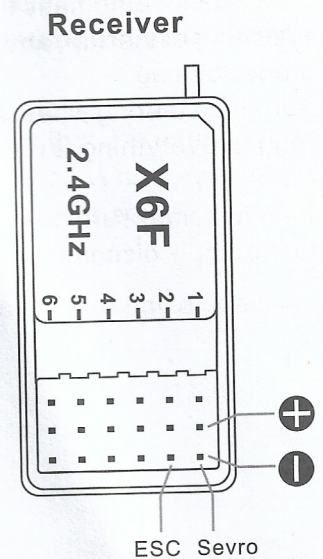
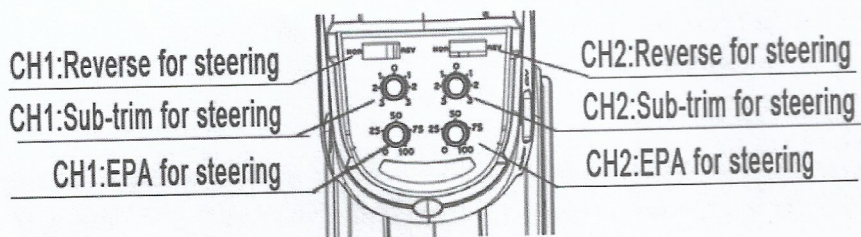
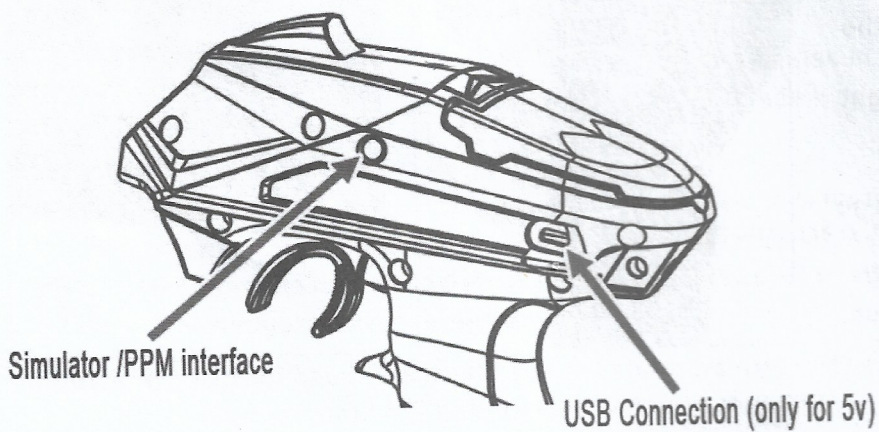
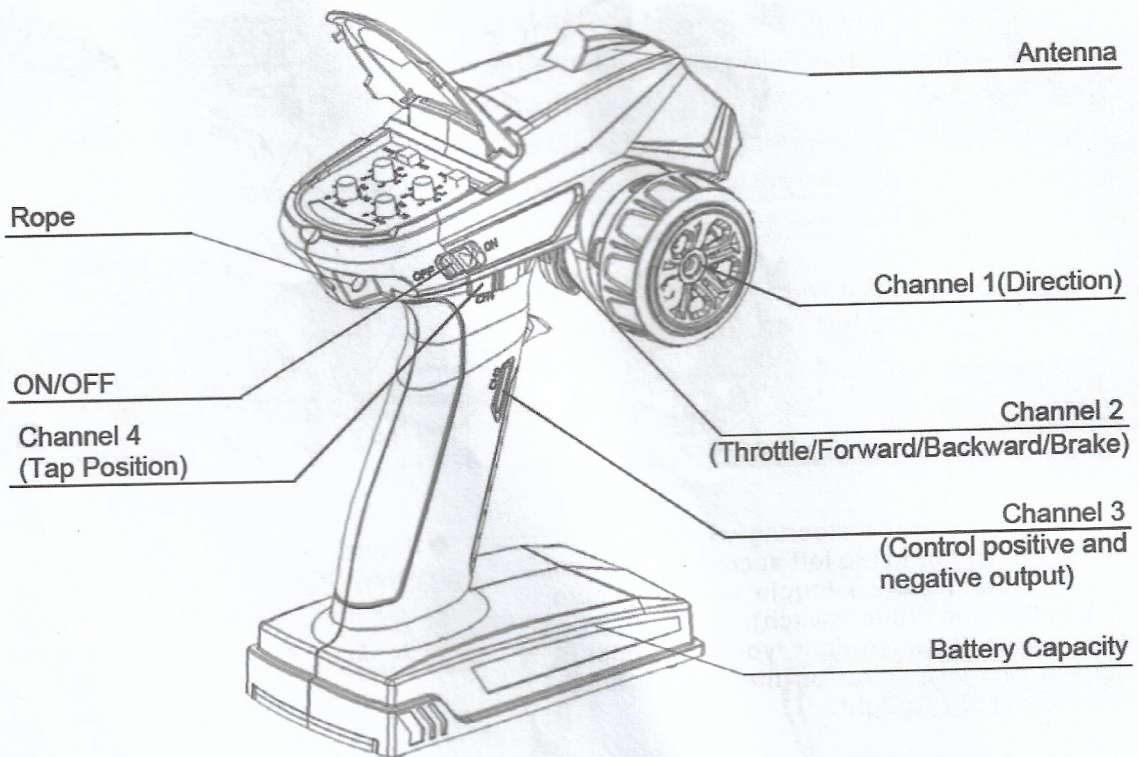
- ◆ Adjust the Median trimming to keep the front wheel in the center position
- ◆ When testing the diversion of the car, please keep the front wheel hang in the air.

Racing Steps

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



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

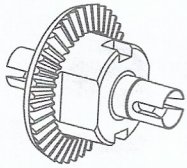


GENERAL REPLACEMENT PARTS

<p>7560</p>  <p>LED Set</p>	<p>7561</p>  <p>540 Brushed Motor</p>	<p>7562</p>  <p>550 Brushed Motor</p>	<p>7563</p>  <p>3650 3300KV Brushless Motor</p>
<p>7564</p>  <p>3665 2300KV Brushless Motor</p>	<p>7286</p>  <p>3KG Servo</p>	<p>7565</p>  <p>9KG Servo</p>	<p>7566</p>  <p>40A 2H1 Brushed ESC</p>
<p>7568</p>  <p>Ni-MH 2000mAh 7.2V</p>	<p>7569</p>  <p>Li-Po 7.4V 25C 2400mAh</p>	<p>7570</p>  <p>Li-Po 11.1V 35C 3200mAh</p>	<p>7580</p>  <p>60A Brushless ESC</p>
<p>7590</p>  <p>80A Brushless ESC</p>	<p>7591</p>  <p>2.4G Radio set</p>	<p>7592</p>  <p>2.4G Radio set + Brushed ESC</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>6215</p>  <p>B3 Li-Po Charger</p>	<p>6161</p>  <p>Ni-MH Charger</p>
<p>7597</p>  <p>Front Lower Suspension Arm(CNC)</p>	<p>7598</p>  <p>Rear Lower Suspension Arm(CNC)</p>		

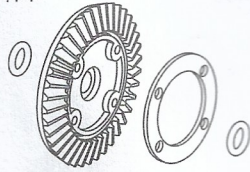
GENERAL REPLACEMENT PARTS

7170



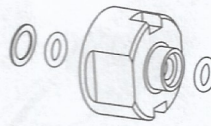
Complete Differential Set

7171



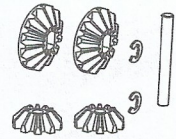
Differential Crown Gear
38T+Sealing

7172



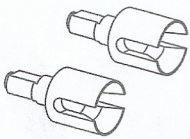
Differential Case and Sealing

7173



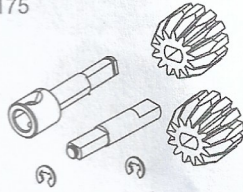
Differential Gear Set (4pcs)

7174



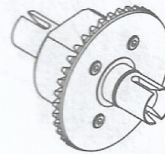
Differential Outdrives
front+rear

7175



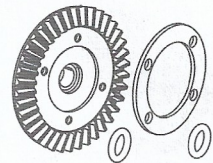
Diff Pinion Gear 13T (2pcs)

7500



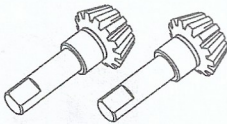
Complete Differential Set
(CNC)

7501



Differential Crown Gear
38T+Sealing (CNC)

7502



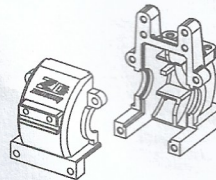
10T Pinion Gears(CNC)

7176



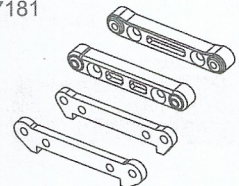
Outdrive Gear Box front

7177



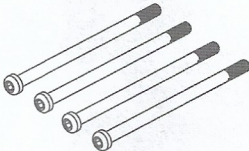
Gear Box (1pcs)

7181



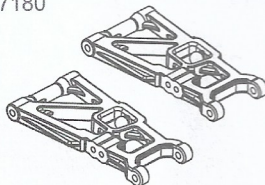
Susp. Arm Hinge Pin Brace
front&rear

7182



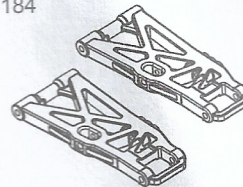
3x30mm Hinge Pin (4pcs)

7180



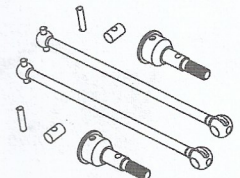
Front Suspension Arm Set

7184



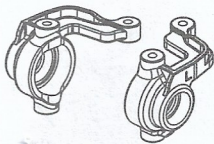
Rear Suspension Arm Set

7503



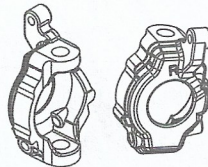
Universal Drive shaft

7186



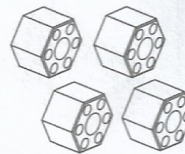
Steering Knuckles

7187



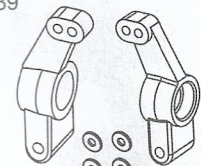
C-Hubs with Inserts

7504



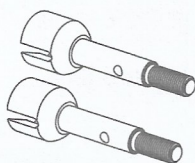
Wheel Hex Nuts

7189



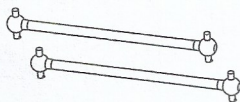
Rear Hub Car. + Hex
Wheel-Ad.(each with 2pcs)

7505



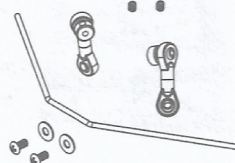
Rear Hub Carrier Axle

7191



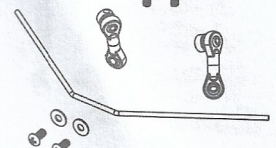
Horizontal drive shafts

7192



Front Sway Bar Set

7193



Rear Sway Bar Set

GENERAL REPLACEMENT PARTS

7194

Front /Rear Lower Suspension Pins

7195

Front Upper rod set 1°/2°/3°

7196

Rear Upper rod set 1°/2°/3°

7197

Wing Mount Plastics

7506

Chassis (Plastic)

7507

Chassis (Aluminum)

7199

Aluminium strut (4pcs)

7200

Servo Saver Post

7508

Plastic Strut(4pcs)

7201

Slipper Clutch complete with Main Gear (Plastic)

7509

Slipper Clutch complete with Main Gear (CNC)

7202

Asbestos paper friction plate

7510

Asbestos paper friction plate (Copper)

7203

Reduction Gear (Plastic)

7204

Adjusting spring/
Adjusting spring mount/
Asbestos briquetting

7205

Dogbone-Outdrive Slipper Clutch

7206

Reduction gear shaft

7511

Reduction Gear (CNC)

7512

Reduction gear shaft (Copper)

7208

Aluminium Motor Mount

7210

Aluminium Center Driveshaft

7211

Battery Tray and Posts

7212

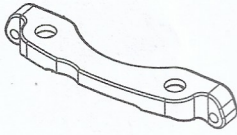
Steering Rods

7213

Servo Saver/Steering Arms

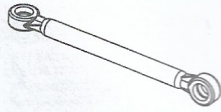
GENERAL REPLACEMENT PARTS

7214



Steering Connecting Plate

7215



Steering Servo Turnbuckle

7216



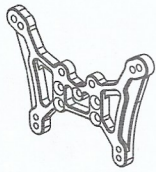
Servo Arm Plastic

7513



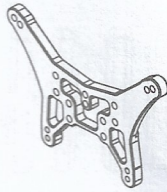
Middle Upper Chassis Plate

7514



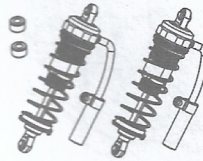
Front Shock Tower (CNC)

7515



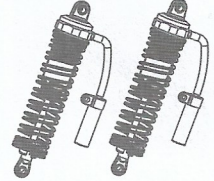
Rear Shock Tower (CNC)

7516



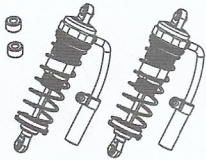
Front Shock Set

7517



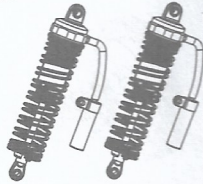
Rear Shock Set

7518



Front Shock Set (Aluminum)

7519



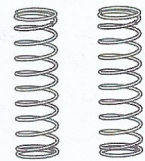
Rear Shock Set (Aluminum)

7520



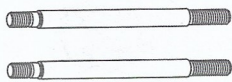
Front Shock Spring

7521



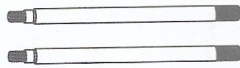
Rear Shock Spring

7223



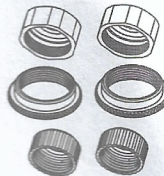
Front Shock Rods

7224



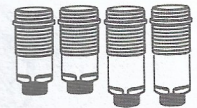
Rear Shock Rods

7522



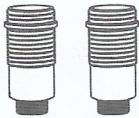
Shock cap Shock seal cover

7232



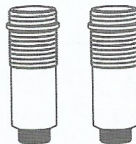
Front/Rear shock absorber cylinder block

7523



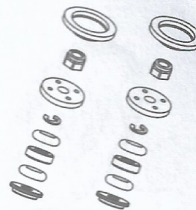
Front shock absorber cylinder block (Aluminum)

7524



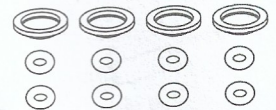
Rear shock absorber cylinder block (Aluminum)

7228



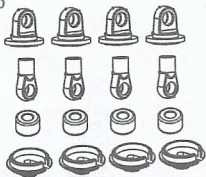
Shock absorber piston group

7229



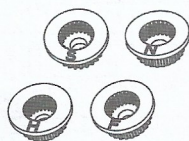
Shock Sealing Set (4pcs)

7525



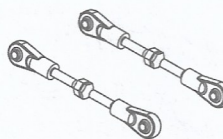
Shock End Set Upper/Lower Shock spring lower seat

7233



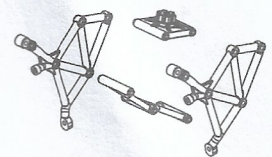
Server crankset

7525



Steering Rods

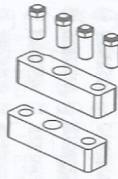
7557



Spare Tire Mount

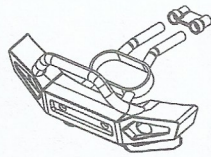
GENERAL REPLACEMENT PARTS

7527



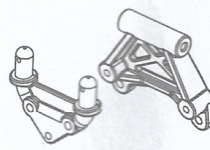
Battery holder set

7528



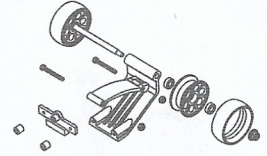
Front Bumper

7529



Body Post set

7530



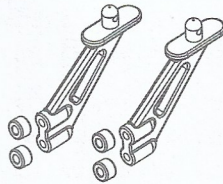
Look up wheel group

7243



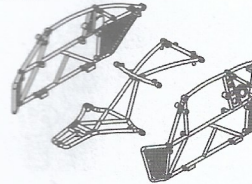
Tail Wing

7531



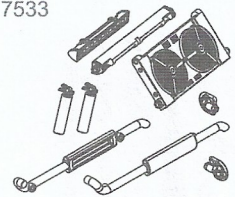
Wing Mount Plastics

7532



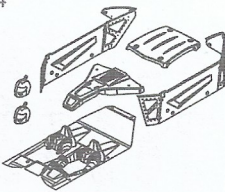
To Protect the rack

7533



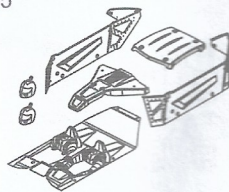
To Protect the rack accessories

7534



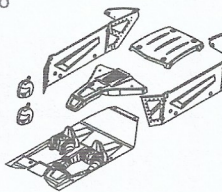
Body(Red)

7535



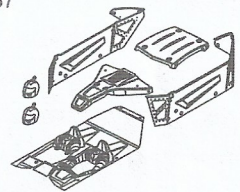
Body(Orange)

7536



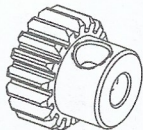
Body(Black)

7537



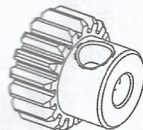
Body(Green)

7538



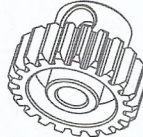
Motor Gear(17T)

7539



Motor Gear(19T)

7540



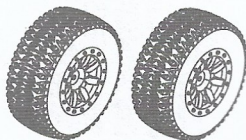
Motor Gear(21T)

7541



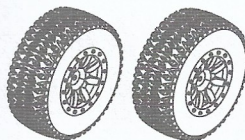
Motor Gear(23T)

7542



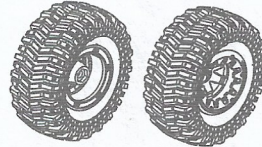
Tire Set(Red)

7543



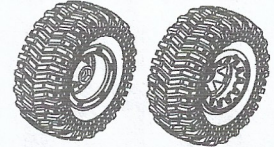
Tire Set(Orange)

7544



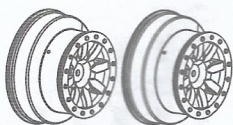
Tire Set(Red)

7545



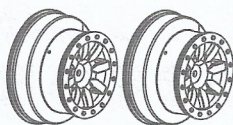
Tire Set(Green)

7546



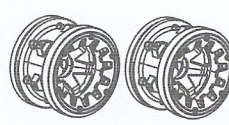
Tire Rim Set (Red)

7547



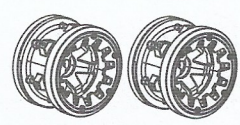
Tire Rim Set (Orange)

7548




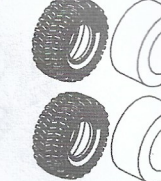
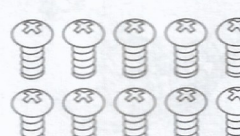
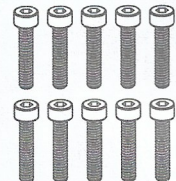
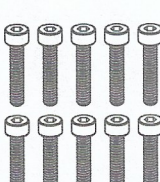
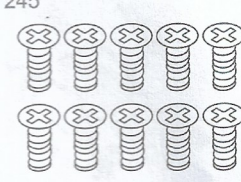

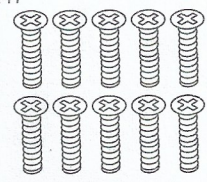

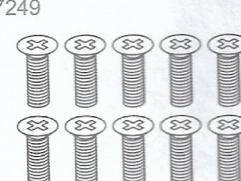
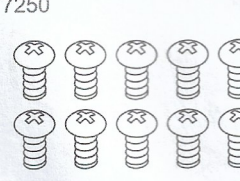
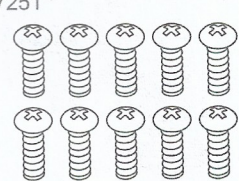
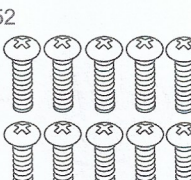


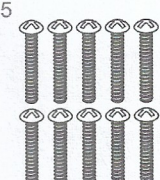
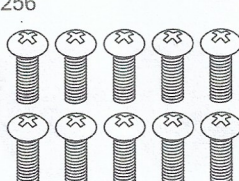
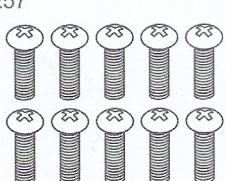
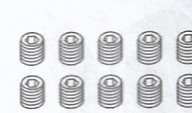

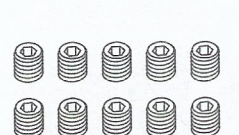
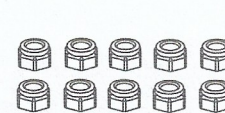
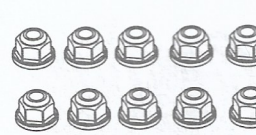
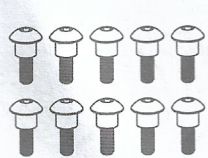
Tire Rim Set (Red)

7549

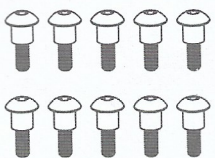
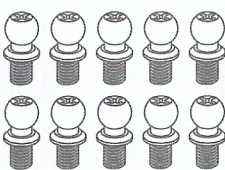


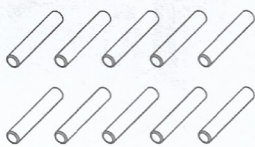






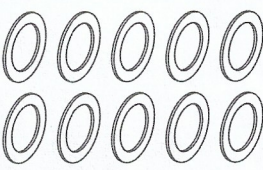
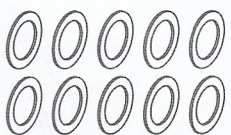
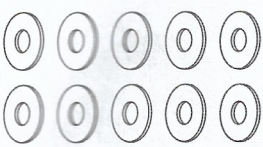
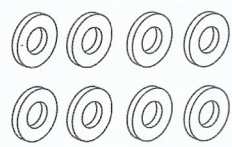
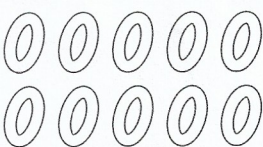
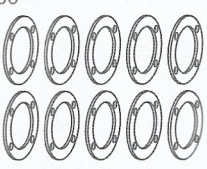
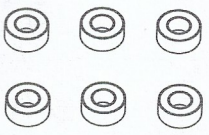
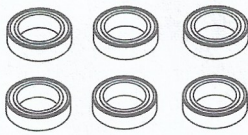
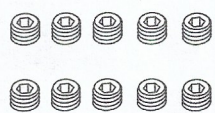
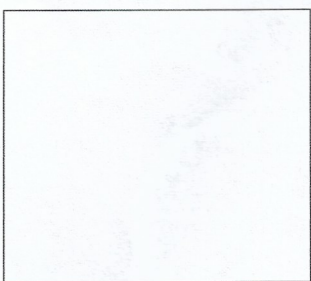
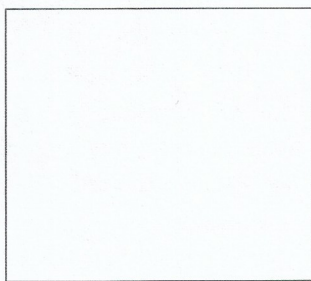
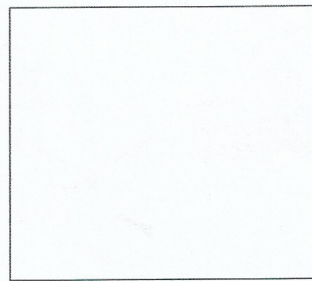
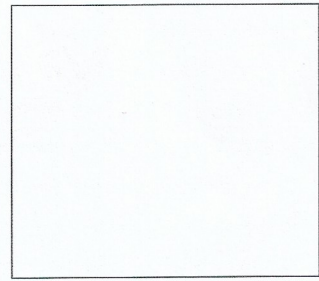


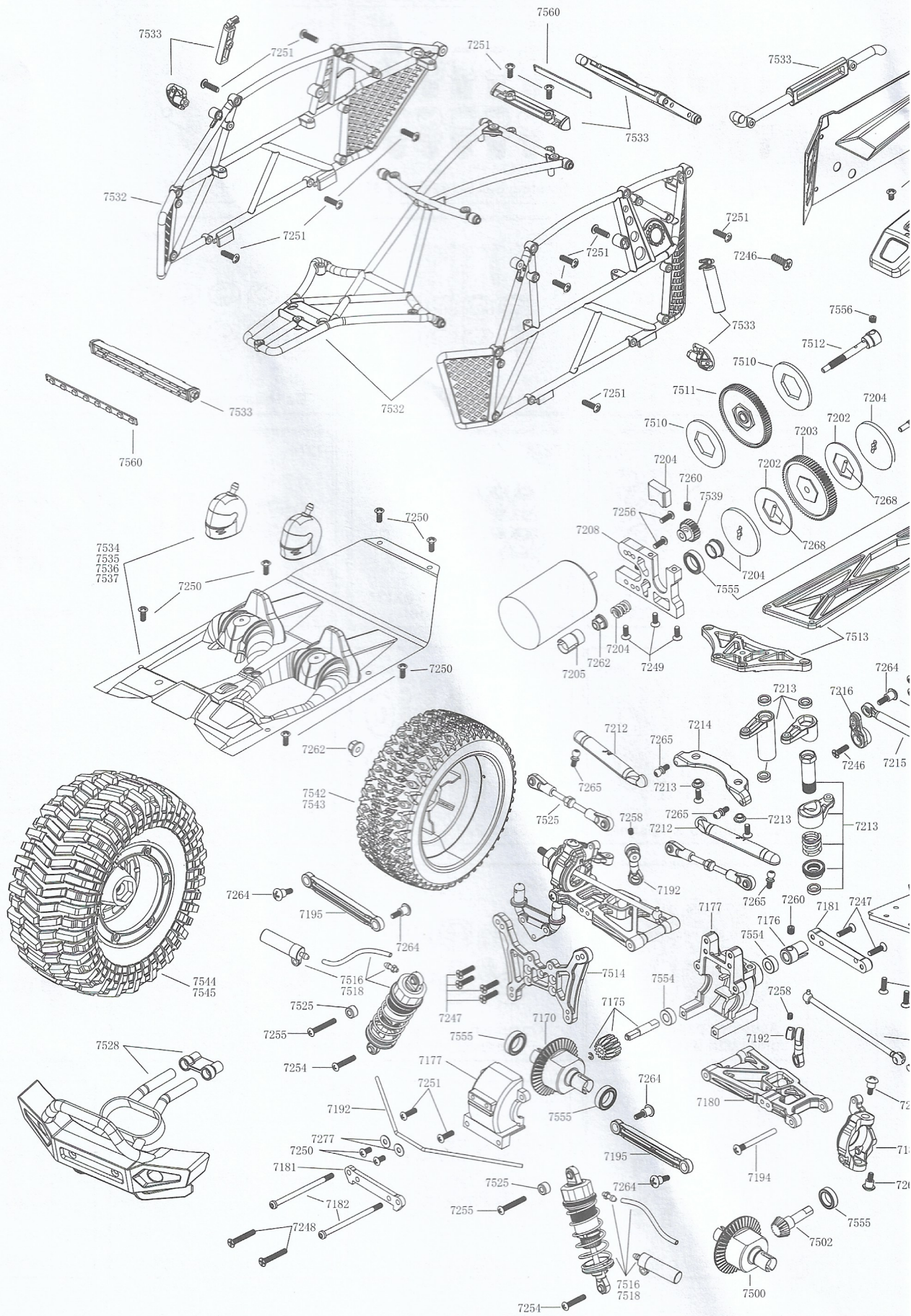
Tire Rim Set (Green)

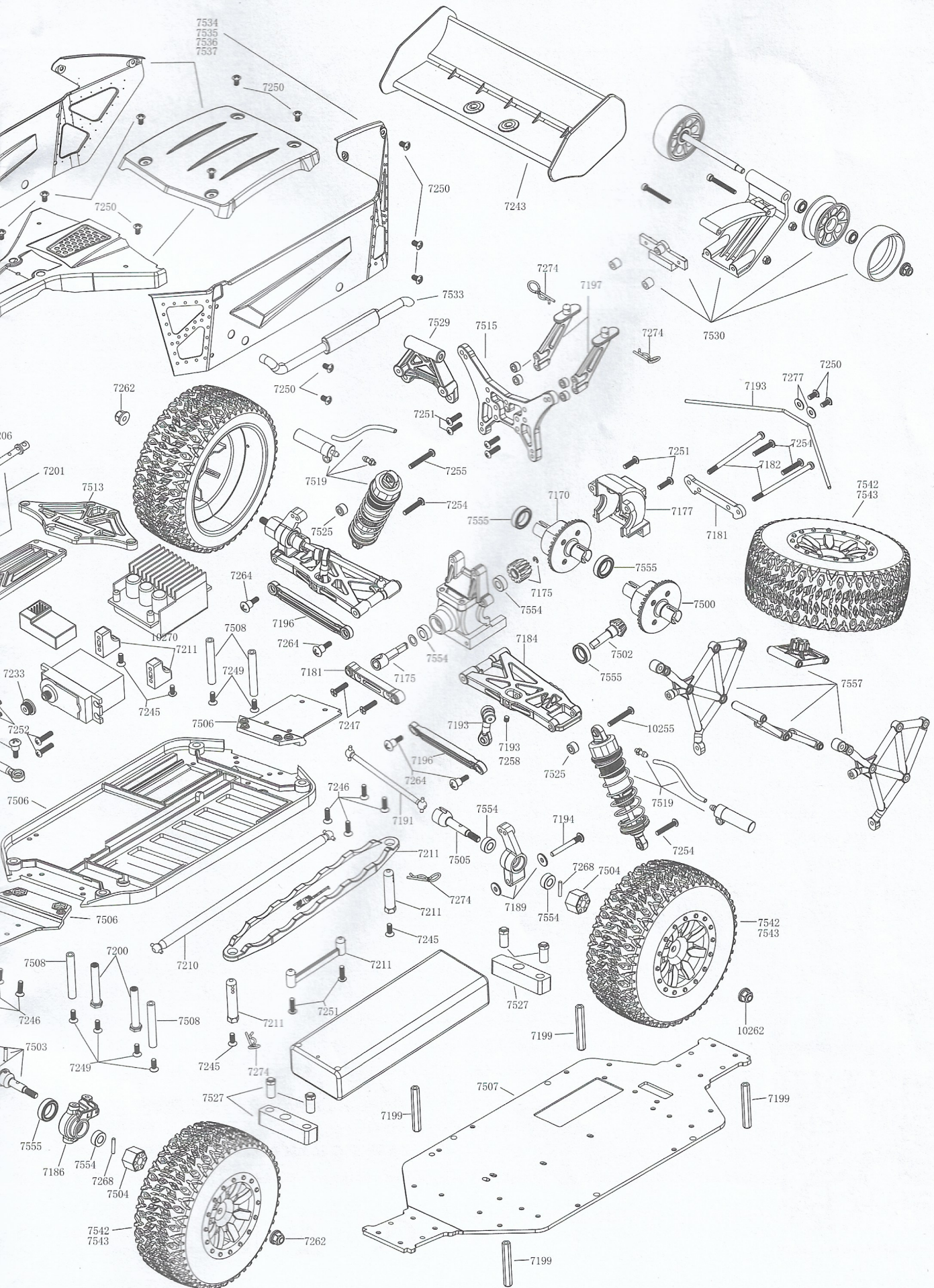
GENERAL REPLACEMENT PARTS

<p>7550</p>  <p>Tyre+Inserts front</p>	<p>7551</p>  <p>Tyre+Inserts front</p>	<p>7552</p>  <p>M4x12 Pan Self-tapping Screw Set</p>	<p>7553</p>  <p>M3x24 Socket Cap Screw</p>
<p>7244</p>  <p>M2x10 Socket Cap Screw</p>	<p>7245</p>  <p>M3x8 Flat Head Self-tapping Screw Set</p>	<p>7246</p>  <p>M3x10 Flat Head Self-tapping Screw Set</p>	<p>7247</p>  <p>M3x12 Flat Head Self-tapping Screw Set</p>
<p>7248</p>  <p>M3x20 Flat Head Self-tapping Screw Set</p>	<p>7249</p>  <p>M3x8 Flat Head Screw Set</p>	<p>7250</p>  <p>M3x6 Pan Self-tapping Screw Set</p>	<p>7251</p>  <p>M3x10 Pan Self-tapping Screw Set</p>
<p>7252</p>  <p>M3x12 Pan Self-tapping Screw Set</p>	<p>7253</p>  <p>M3x14 Pan Self-tapping Screw Set</p>	<p>7254</p>  <p>M3x16 Pan Self-tapping Screw Set</p>	<p>7255</p>  <p>M3x20 Pan Self-tapping Screw Set</p>
<p>7256</p>  <p>M3x8 Pan Head Screw Set</p>	<p>7257</p>  <p>M3x10 Pan Head Screw Set</p>	<p>7258</p>  <p>Set Screw M3x3</p>	<p>7259</p>  <p>Set Screw M3x10</p>
<p>7260</p>  <p>Set Screw M4x4</p>	<p>7261</p>  <p>Lock Nut M2.5</p>	<p>7262</p>  <p>Lock Nut M4</p>	<p>7263</p>  <p>M3x4.1 Screw rod</p>

GENERAL REPLACEMENT PARTS

<p>7264</p>  <p>M3x4.8 Screw rod</p>	<p>7265</p>  <p>Steering Ball Screws $\phi 4.7$-M3</p>	<p>7266</p>  <p>$\phi 2 \times 9.7$ Pin Set</p>	<p>7267</p>  <p>$\phi 2 \times 10$ Pin Set</p>
<p>7268</p>  <p>$\phi 2 \times 11$ Pin Set</p>	<p>7269</p>  <p>Ball bearing $\phi 8 \times 5 \times 2.5$</p>	<p>7270</p>  <p>Ball bearing $\phi 10 \times 5 \times 4$</p>	<p>7271</p>  <p>Ball bearing $\phi 15 \times 10 \times 4$</p>
<p>7272</p>  <p>E button $\phi 2.5 \times 0.4$</p>	<p>7273</p>  <p>Ball Head Set</p>	<p>7274</p>  <p>R-Pin Set</p>	<p>7275</p>  <p>$\phi 8 \times \phi 5.1 \times 0.3$ Washers</p>
<p>7276</p>  <p>$\phi 10 \times \phi 5.5 \times 0.3$ Washers</p>	<p>7277</p>  <p>$\phi 8 \times \phi 3.2 \times 0.5$ Washers</p>	<p>7278</p>  <p>Rear Wheel Shaft Washers $\phi 7.5 \times \phi 5.1 \times 2.1$</p>	<p>7279</p>  <p>Differential sealing $\phi 8 \times \phi 1.5$</p>
<p>7280</p>  <p>Asbestos paper friction plate $\phi 25.5 \times 17.5 \times 1.0$</p>	<p>7554</p>  <p>Complete Bearing Set $\phi 10 \times \phi 5 \times 4$</p>	<p>7555</p>  <p>Complete Bearing Set $\phi 15 \times \phi 10 \times 4$</p>	<p>7556</p>  <p>Set Screw M5x4</p>
			







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