

# TAKE IT TO THE EXTREME<sup>®</sup> EXTREME<sup>™</sup> XGX 3 POWER TRUCK

## INSTRUCTION MANUAL



### PARTS - SERVICE - REPAIRS

OPEN Mon - Fri 9 am-6 pm ... Sat 10 am-3 pm (EST)

Distributed and serviced by: Extreme RC by RSI ... Ferndale, MI 48220

Phone: (586) 757-1336 Email: Service@extremercbyrsi.com

Website: www.extremercbyrsi.com

### Manual Contents

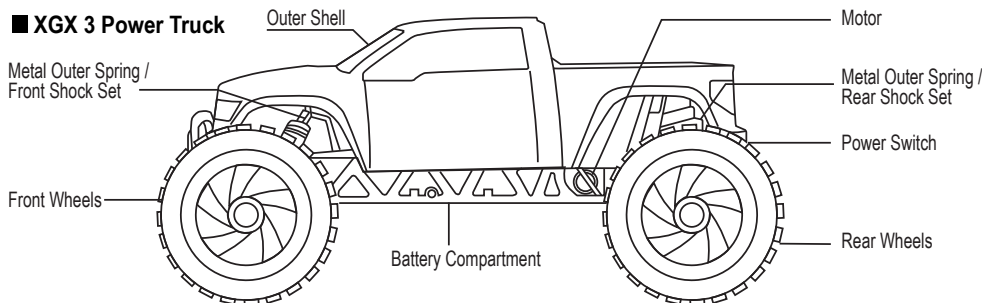
- General information
- 2.4GHz radio system R/C
- Driving instructions
- Angle adjustment instruction
- Charging instructions
- Troubleshooting
- Safety instructions
- Parts list (by number)

### Packing List

- (1) Power truck
- (1) 2.4GHz R/C
- (1) A/C adapter
- (1) Balancer
- (1) Warranty card
- (1) Instruction manual
- (1) Battery 7.4V, 850mAh

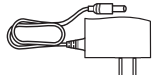
## PACKING LIST

### ■ XGX 3 Power Truck



### ■ Parts Included

A/C charger (x1)



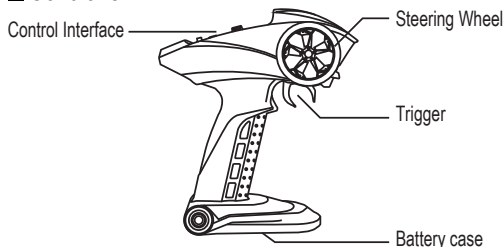
Balancer (x1)



7.4V, 850mAh Battery (x1)



### ■ Controller



# GENERAL INFORMATION

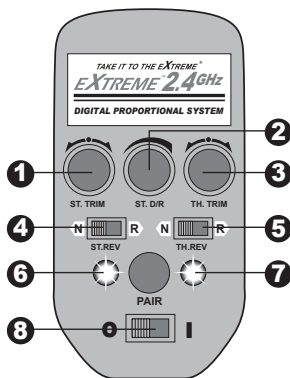
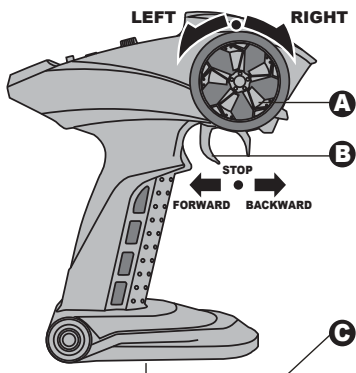
This user's manual is designed for use with your XGX 3 Power Truck and contains the instructions you will need to operate, assemble/disassemble after 60-day warranty, maintain and troubleshoot your R/C unit. We want users to enjoy our R/C products and to operate them with care. Failure to operate your vehicle in a safe and responsible manner may result in property damage, or injury to yourself or others.

## **This product is *not* a toy. IT IS AUTHENTIC HOBBY GRADE.**

It is not suitable for users under 14 years old unless they are supervised by adults. Carefully read and follow all instructions in this manual. Failure to follow the instructions will be considered abuse and/or neglect and may void the 60-day warranty.

- Before driving your unit, please read this manual completely and examine your vehicle and radio control for any defects. Radio waves are subject to interference. Radio interference can cause loss of control of your vehicle.
- This product is fully assembled at the factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.
- Your vehicle is designed to run on uneven or rough terrain. However: dust, sand, water and carpet fiber can lodge in the working parts of your cars and can damage your vehicle if not removed promptly. We do not warranty your vehicle from damage due to outside elements including sand, dirt or water. The user is responsible for the maintenance and safe operation of this vehicle.
- Never attempt to re-assemble any electronic components. These have been carefully calibrated at the factory.
- If your vehicle becomes stuck, release the throttle, then retrieve it by hand. Do not continue to apply the throttle or you may damage the motor and/or the ESC/receiver unit.
- This vehicle requires one battery pack (included in the car or in the packaging). Make sure the vehicle's batteries have a sufficient charge before driving - insufficient charge may result in a loss of control. The radio controller requires 3 x 'AA' batteries (not included in the packaging). Always remove batteries from the vehicle and the radio controller when not in use.
- For better performance, some adjustments may be necessary. Take care and do not cut yourself while using tools to adjust or upgrade your vehicle.
- Only use Extreme RC manufactured parts to upgrade your car. If you perform a drivetrain upgrade, replace the entire system (such as motor, ESC/receiver unit...ie.) so that all components are properly matched. Any malfunction incurred by custom modification will void your warranty.

# GETTING FAMILIAR WITH YOUR 2.4GHZ RADIO SYSTEM



REMOTE CONTROL	REMOTE CONTROL INTERFACE	
<b>A: Steering wheel</b>	<b>1: Steering trim</b>	<b>5: Throttle reverse</b>
<b>B: Trigger</b>	<b>2: Dual / rate servo throw</b>	<b>6: Power indicator light</b>
<b>C: Battery case</b>	<b>3: Throttle trim</b>	<b>7: Battery indicator light</b>
	<b>4: Steering reverse</b>	<b>8: Power switch</b>

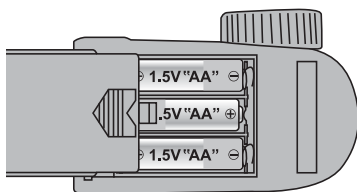
## REMOTE CONTROL

- (A) **Steering Wheel:** Turns the model left and right.
- (B) **Trigger:** Controls acceleration and braking. Pull to accelerate, release to decelerate, and push forward to brake. Pushing forward after the car has stopped will put the car in reverse.
- (C) **Battery Case:** Requires (3) 'AA' batteries (not included).

## REMOTE CONTROL INTERFACE

- (1) **Steering Trim:** Adjusts the center trim of the steering servo, aligns wheels.
- (2) **Dual/Rate Servo Throw:** Adjusts the center trim of the throttle/steering servo distance. Fine tunes the R/C steering wheel.
- (3) **Throttle Trim:** Adjusts the center trim of the throttle (forward and backward) and sets idle speed.
- (4) **Steering Reverse:** Electronically switches the direction of servo travel, reversing the backward-left/forward-right relationship of the steering wheel to a forward-right/backward-left relationship.
- (5) **Throttle Reverse:** Electronically switches motor operation, reversing the pull-forward/push-reverse relationship of the throttle to a pull-reverse/push-forward relationship.
- (6) **Power Indicator Light:** Stays solid red when the R/C is turned on. R/C batteries need to be changed when both Power and Battery Indicator Lights are flashing.
- (7) **Battery Indicator Light:** Stays solid green when batteries are fully charged. The light starts flashing when battery power is low. Batteries need to be changed when both Power and Battery Indicator Lights are flashing.
- (8) **Power switch:** Turns the remote controller on and off.

## BATTERY INSTALLATION



- Slide back the battery cover as shown and, following the polarity illustrations, insert three 'AA' batteries.
- Slide back the battery cover after batteries are installed.

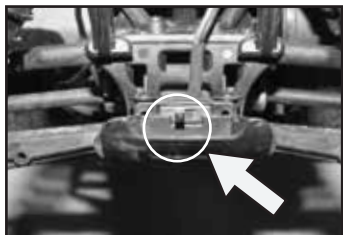
### NOTES:

- Use batteries of same type/brand.
- Remove batteries from R/C if not in use.
- Always check the battery power.
- Dispose of used batteries properly.

**NEW ALKALINE BATTERIES- STRONGLY RECOMMENDED**

# DRIVING YOUR CAR

## 1 TURN ON THE RECEIVER ON YOUR UNIT



The ON/OFF switch is located in the rear underneath the truck shell.

## 2 TURN ON THE RADIO CONTROLLER



Switch on the power switch on the radio controller. Your unit is connected with your radio controller automatically.

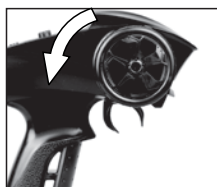
## 3 CHECK STEERING PERFORMANCE

### CENTER



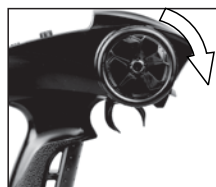
1) To keep the car running straight in line, do not move the control wheel. (Keep it centered)

### TURN LEFT

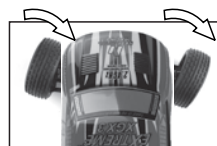


2) To turn left, turn the control wheel towards you.

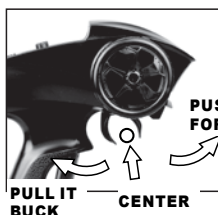
### TURN RIGHT



3) To turn right, turn the control wheel away from you.



## 4 CHECK TRIGGER RESPONSE



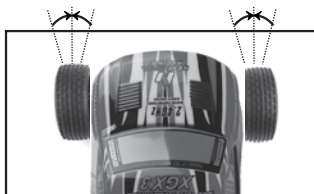
- A. Pull the trigger back to accelerate, release it to decelerate and push it forward to brake.
- B. To stop your running car, release the trigger to neutral position.
- C. Pushing the trigger forward a second time activates the reverse feature.

# DRIVING YOUR CAR

## 5 TO TUNE THE STEERING TRIM



STEERING TRIM



Gently pull the trigger to allow your car to run slowly. Meanwhile, tune the steering trim to allow the front wheels to be aligned.

## 6 TO TUNE THE THROTTLE TRIM

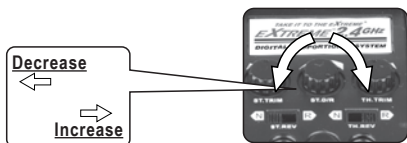


THROTTLE TRIM

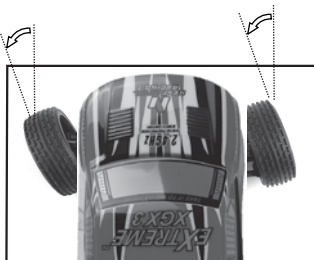


Throttle trim is used to set your idle speed.

## 7 TO TUNE THE STEERING DUAL RATE CONTROL DIAL



STEERING D/R



This dial adjusts the overall travel of the steering servo. Turn the dial towards right for maximum steering. Turn the dial to left to reduce the steering level.

## 8 STEERING/THROTTLE REVERSE

**Steering Reverse:** This switch will reverse the normal RC-to-car steering wheel relationship. Normally, turning the steering wheel forward will turn the car to the right, and turning it back toward you will turn it to the left. The Steering Reverse switch will cause the car to turn right when you turn the wheel back toward you, and left when you turn it away.

N: Normal  
R: Reverse



**Throttle Reverse:** This switch will reverse the normal RC-to-car accelerator trigger relationship. Normally, pulling the accelerator trigger backward will cause the car to go faster, and reverse the car. The Throttle Reverse switch will cause the car to slow, stop, and reverse when you pull the trigger, and to go forward faster when you push the trigger away from you.

N: Normal  
R: Reverse

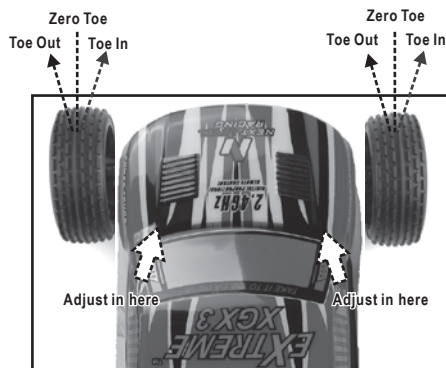


# ADJUSTING TOE ANGLE AND CAMBER ANGLE

Your model can be customized to enhance speed and performance. Simple adjustments and easily maintained settings will assure optimum operation and performance. When making adjustments, do so only in small increments and always check for other parts of the vehicle that are affected. Many aftermarket options are available to make your R/C vehicle faster and stronger. Please read this section carefully and always make sure to write down base settings in case you need to refer to them at a later date.

## FRONT STEERING TOE ANGLE ADJUSTMENT

The front steering toe angle has a dramatic effect on how your car performs and how your tires wear. You can have toe-in, zero toe or toe-out. This can be adjusted by tuning the length of the steering linkage screwbolts as shown in the figure below. Before tuning, the steering linkage screwbolts should be removed from the vehicle. Measure the desired length by unscrewing or screwing in. After adjustment is complete, re-install them in the car.



Toe-in will be less reactive and cause the vehicle to under steer (the front wheels push straight on while turning). This can be advantageous for operators struggling to get a tight tire grips with driving the vehicle.

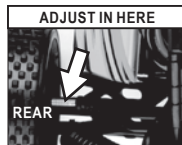
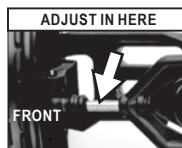
Toe-out will be more aggressive on the steering response especially on small steering inputs. This will make the car want to over steer (rear wheels slide on small steering inputs). This is useful as a race tuning aid to gain extra steering.

Zero toe will make the front wheels run straight and make the car very neutral. Tire wear will also be reduced and the vehicle will feel easier to drive.

## CAMBER ADJUSTMENT

Camber can be adjusted on all 4 wheels of the car. You can have negative camber or positive camber, which will affect the contact patch of the tire both statically and while cornering. Camber is mainly used to control the wear of the tire. You should adjust the camber to equal the wear all across the surface of the tire. Camber is adjusted by the upper linkage screwbolts.

Note: Before tuning, the screwbolts should be removed from the vehicle. Measure the desired length by unscrewing or screwing in. After adjustment is complete, re-install them in the car.

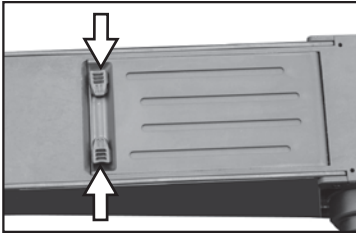


This is an example of positive camber. The bottom of the wheel is closer to the center of the car compared to the top of the wheel. Positive camber will give less contact area in the corner and less grip. Excessive positive camber will cause less grip and uneven wear.



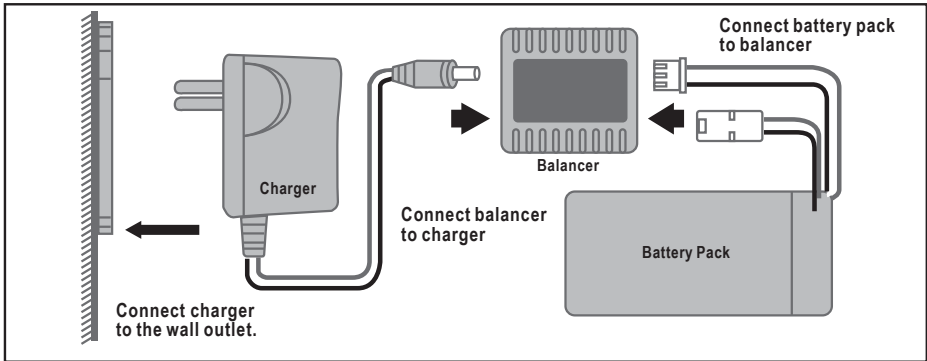
This is an example of negative camber. The top of the wheel is closer to the center of the car compared to the bottom of the wheel. Negative camber will give more contact area in the corner and more grip. Excessive negative camber will cause less grip and uneven wear.

# CHARGING BATTERY PACK



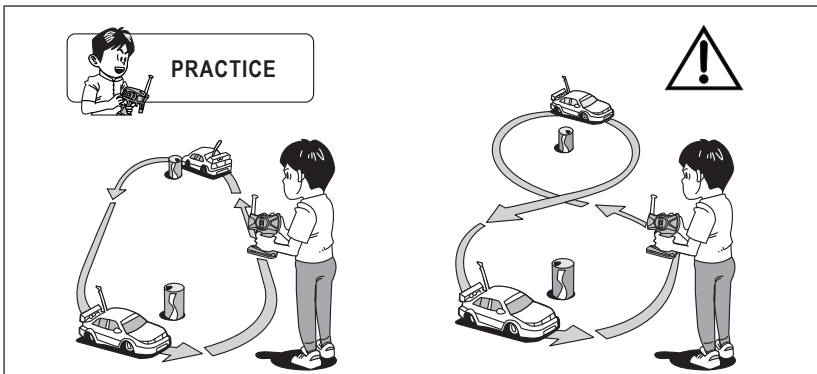
The battery cover is located on the bottom of the chassis.

- 1) Pinch the battery cover blocks as shown to open the battery cover.
- 2) Remove the battery pack.



- 3) Connect your battery to the charger using the balancer (as shown in the picture above).
- 4) During charging, both red and green indicator on the balancer are on. The red indicator light goes out and green indicator remains on when battery is fully charged. The charging time is up to 2.5 hours.
- 5) Do not charge your battery unattended.
- 6) Charge battery on flat non-flammable surface.

## DRIVING PRACTICE



Once you are comfortable with the basic operation of your vehicle (forward, reverse, and turning), practice driving the vehicle in circles and figure-eights as shown in the image above. Keep practicing until you are comfortable with steering, acceleration, and braking at low speeds. Once you have mastered the basics, you will be able to control the vehicle at increasingly faster speeds on more challenging tracks and terrain.

# MAINTAINING YOUR CAR

After operating your Extreme RC vehicle, perform the following maintenance checks to preserve your car's performance.

- Inspect your car for any obvious damage.
- Check the gears for wear, debris or broken/slipping teeth.
- Check the wheels and tighten the wheel screws as needed.
- Check for loose screws in the chassis.
- Check the wiring for frayed or damaged wires or connectors.
- Check the steering servo, which will wear out over time - replace when necessary.
- Check all batteries.
- Keep the chassis clean and free of sand, dust and moisture.
- Remove and clean the motor if necessary. (Never attempt to re-assemble the motor - you will damage it and void the warranty.)
- Clean the car body with a soft lint-free cloth.
- Remove all batteries when not in use.

## TROUBLESHOOTING

**A.** The vehicle does not work at all.

1. Check to see if both transmitter and car are on.

2. Charge battery pack.

3. Check to see if there are damaged parts.

**B.** The vehicle runs slowly.

1. Replace or charge the battery pack and/or the R/C batteries.

2. Make sure the vehicle is geared properly and pinion/spur gears are tightened.

3. Clean all bushings or ball bearings.

4. Check for stripped or dirty gears.

**C.** The throttle works, but not the steering.

1. Check if the servo feels jammed, try centering it by hand.

2. Check the whole steering system.

**D.** It steers, but throttle is uncontrollable.

1. Check to see if there are damaged parts.

2. Replace or charge the battery pack and/or the radio batteries.

**E.** The vehicle runs noisily

1. Check gear mesh between spur gear and pinion.

2. Check for stripped and/or dirty gears.

3. Clean and oil bushings or ball bearings.



# SAFETY INSTRUCTIONS

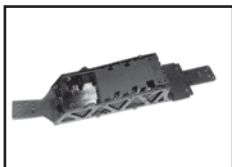
## WARNING

- Do not operate your vehicle with an obstructed line of sight, at night, around crowds, or near water.
- Keep moving R/C vehicles away from pets, young children, the elderly and the disabled - use good common sense when driving!
- Keep out of reach of children while assembling and/or disassembling; model comes with small parts.
- Do not run your vehicle on public roads or any area where you may encounter pedestrian or moving methods of transportation.
- When not in use (especially for 30 days or more), remove all batteries or batteries may leak and cause damage.

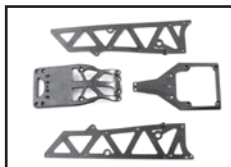
## ENVIRONMENT FOR DRIVING

- Avoid running into objects, water or anything else that could damage your R/C.
- Do not operate in snowy, rainy or poor weather conditions.

## SPARE PARTS LIST: AVAILABLE AT [WWW.EXTREMERCBYRSI.COM](http://WWW.EXTREMERCBYRSI.COM)



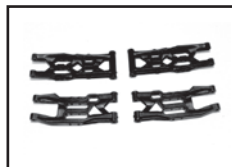
#1 Bottom Chassis



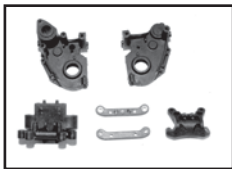
#2 Servo Cover / Motor Guard  
Chassis Side Plates A



#3 Front and Rear Upper Arms /  
Drive Shafts / Steering and  
Servo Linkage Set



#4 Front / Rear Lower Arms



#5 Gear Case / Suspension Mount



#6 Shock Towers / Chassis Side  
Plates B



#7 Front Shock Set



#8 Rear Shock Set



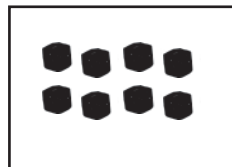
#9 Steering / Servo Saver Assembly  
/ Battery Door Block / Lock



#10 Steering Hubs (L/R)  
Rear Hub Carriers (L/R)



#11 Front Hub Carriers (L/R)



#12 Wheel Hex. (8 pcs)



#13 Spur Gear / Diff. Gears  
Assembly



#14 Battery Door / Motor / Gear  
Cover



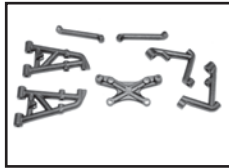
#15 Front Body Post / Rear Body  
Posts



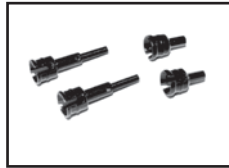
#16 Bumpers Assembly



#17 Flange Lock Nut M4



#18 Shock Tower Braces



#19 Rear Axles /Diff. Outdrives



#20 Front Axles



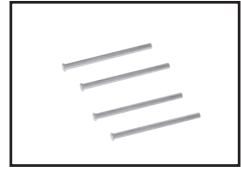
#21 Diff. Pinion Gears



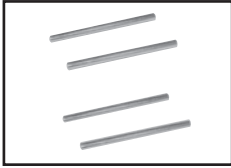
#22 Front Upper Suspension Hinge Pins 3.3\*37mm (4 pcs)



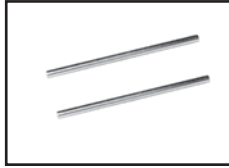
#23 Front Lower Suspension Hinge Pins 3.3\*30mm (4 pcs)



#24 Rear Upper Suspension Hinge Pins 2.5\*38mm (4 pcs)



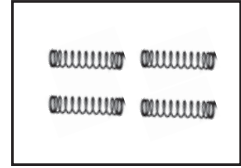
#25 Rear Lower Suspension Hinge Pins 2.5\*37.6mm (4 pcs)



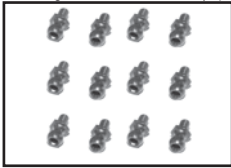
#26 Battery Door Hinge Pins 2.5\*56mm (2 pcs)



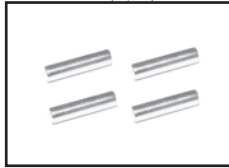
#27 Front/Rear Hub Carrier Pins (4 pcs)



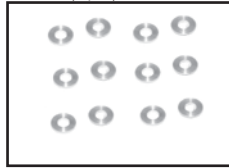
#28 Battery Door Springs (4 pcs)



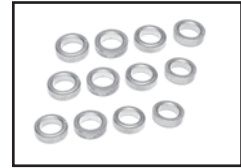
#29 Ball Stud. 14.8 (12 pcs)



#30 Gear Posts (4 pcs)



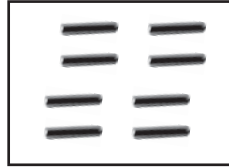
#31 Washers 12.5\*5.5\*0.5mm (12 pcs)



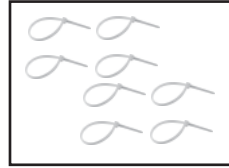
#32 Oiled Brass Bearings 5\*8\*2.5mm (12 pcs)



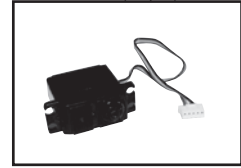
#33 Oiled Brass Bearings 8\*12\*3.5mm (12 pcs)



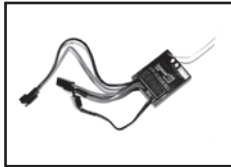
#34 Wheel Hex. Pins 2\*10mm (8 pcs)



#35 Zip Ties -Small (8 pcs)



#36 5-Wire Steering Servo



#37 ESC/Receiver Unit



#38 Battery Pack 7.4V 850mAh



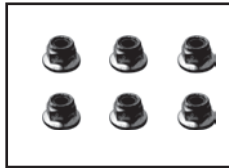
#39 R/C 390 Motor



#40 Wheels Complete Dune Truck (4 pcs)



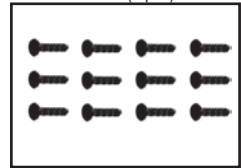
#41 Truck Shell



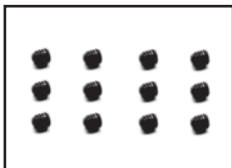
#42 Flange Lock Nut M3 (6 pcs)



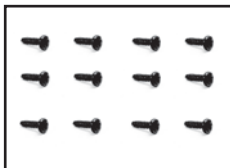
#43 Motor Pinion Gears 12T/Set Screws 3\*3mm (2 pcs)



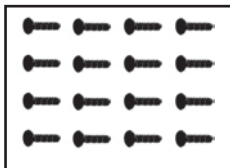
#44 Countersunk Self Tapping Screws 2\*15mm (12 pcs)



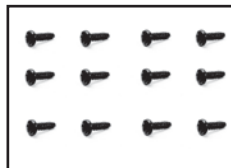
#45 Set Screws 3\*3mm (12 pcs)



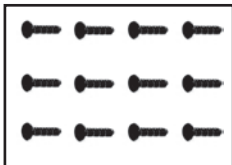
#46 Screws 2.6\*8mm (12 pcs)  
Round Head Self Tapping



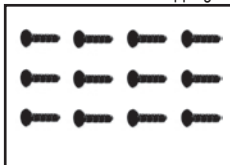
#47 Screws 2.6\*8mm (12 pcs)  
Countersunk Self Tapping



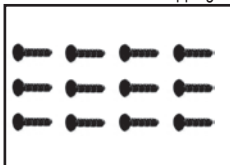
#48 Round Head Self Tapping  
Screws 2.6\*10mm (12 pcs)



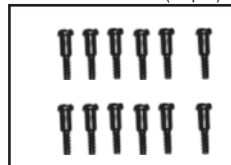
#49 Countersunk Self Tapping  
Screws 2\*9mm (12 pcs)



#50 Countersunk Self Tapping  
Screws 2.6\*6mm (12 pcs)



#51 Countersunk Screws  
3\*10mm (12 pcs)



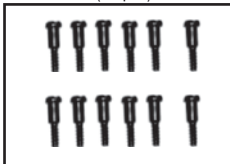
#52 Round Head Self Tapping  
Screws 3\*6mm (12 pcs)



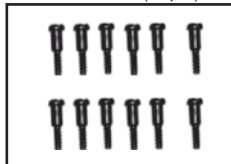
#53 Round Head Self Tapping  
Screws 2.6\*6mm (12 pcs)



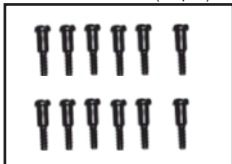
#54 Round Head Self Tapping  
Screws 2\*6mm (12 pcs)



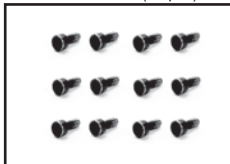
#55 Round Head Screws  
2.5\*8mm (12 pcs)



#56 Countersunk Self Tapping  
Screws 2.6\*10mm (12 pcs)



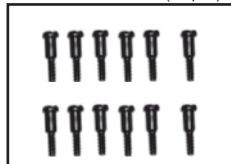
#57 Step Screws  
3.5\*4.5-3\*4.6mm (12 pcs)



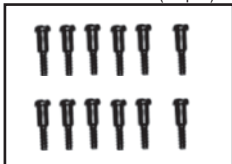
#58 Flange Head Self Tapping  
Screws 2.6\*8mm (12 pcs)



#59 Round Head Self Tapping  
Screws 2.6\*12mm (12 pcs)



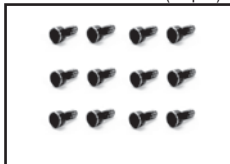
#60 Countersunk Self Tapping  
Screws 2.6\*18mm (12 pcs)



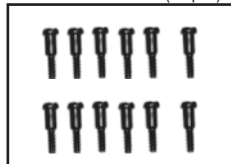
#61 Round Head Self Tapping  
Screws 2.6\*18mm (12 pcs)



#62 Flange Head Self Tapping  
Screws 2\*6mm (12 pcs)



#63 Cap Head Screws  
2\*12mm (12 pcs)



#64 Round Head Self Tapping  
Screws 2.3\*16mm (12 pcs)



#65 Flange Head Self Tapping  
Screws 2.3\*8mm (12 pcs)



#66 Steering Hub Step Screws  
(8 pcs)



#67 UL Charger



#68 Charger Balancer

# UPGRADE



#69 Front Axles (Ferric)



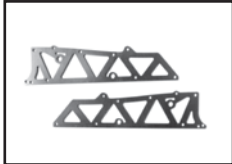
#70 Rear Axles (Ferric)



#71 Front Aluminium Shock Set



#72 Rear Aluminium Shock Set



#73 Aluminum Chassis Side Plates A



#74 Aluminum Chassis Side Plates B



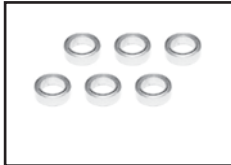
#75 Aluminum Servo Cover



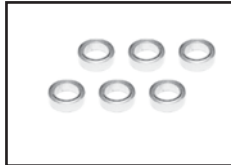
#76 Aluminum Shock Tower (Front and Rear)



#77 Aluminum Suspension Mount (2 pcs)



#78 Ball Bearings 8\*12\*3.5mm (6 pcs)



#79 Ball Bearings 5\*8\*2.5mm (6 pcs)



#80 Brushless Motor (2848KV3800)

## PARTS - SERVICE - REPAIRS

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