

Electric Power Four Wheel Drive Desert Truck

INSTRUCTION MANUAL

ITEM NO.:901



14+
YEARS



LENGTH	WIDTH	HEIGHT	WHEELBASE	WHEEL DIA.	WHEEL WIDTH	GEAR RATIO
370mm	245mm	150mm	240mm	95mm	45mm	1:12.5

This data is subject to change without prior notification.

BATTERY SAFETY INFORMATION

Disconnect and take out the battery pack from the vehicle when not in use. This will prevent damage from a leaking rechargeable battery pack. To prolong battery life, do not enable the vehicle to be used to a standstill resulting in the battery being completely drained. Fully charge the battery pack before each use. Do not leave battery pack uncharged for a long period of time. Store the battery pack in a dry, clean and cool condition.

- This product is not a toy. It is not intended for operators under 14 years of age, unless closely supervised by adults.
- This manual is subject to change without prior notice. The image may vary from the actual product.

Caution

- 1) Please read and understand the manual before using, assembling, and/or disassembling.
- 2) This product is not a toy, it is a high powered RC model, which is not intended for operators under 14 years of age.
- 3) Children less than 14 years old must not operate this product unless they are closely supervised by an adult. Do not touch the motor until it has cooled down.
- 4) Fully charge the battery pack before use. Be sure to disconnect and remove the batteries from both the transmitter and the car when not in use.
- 5) Do not attempt to run the product while low on battery power. Fully charge the battery pack before use. Stop driving immediately when slow running speed is observed. Failure to do such can over drain the pack and cause damage.

General Safety Information:

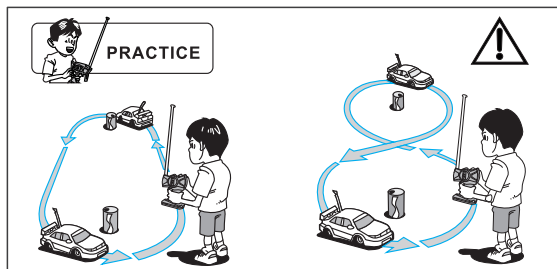
1. This manual is subject to change without prior notification.
2. This product is NOT a toy, and not intended for users under 14 years of age, unless closely supervised by an adult.
3. The specifications and images in the manual may vary from the actual product.
4. Operate this vehicle with due care and be always a good driver which is attentive to others.
5. Under no circumstances SHOULD the user operate the vehicle in crowds of people. Serious injury could result.
6. Never operate the vehicle on public streets or in public areas. This could cause traffic accidents, personal injury, and/or property damage. This vehicle is ONLY be driven on the open track which is for RC cars.
7. Do NOT use this vehicle to chase pets or other animals.
8. The receiver, steering servo and other electronics installed in this vehicle are merely splash water-resistant. Do not immerse this vehicle into water.
9. Regularly checking on the transmitter (radio controller) power is very important. Remove the batteries from the transmitter (radio controller) when not in use. Replace with fresh batteries if necessary. NEVER run this vehicle with low power from the transmitter.
10. When this vehicle becomes stuck, do NOT force on throttle. Failure to do so could cause abrupt damage to the motor and/or the ESC (Electronic Speed Controller). Check and clean the obstacles before running again.
11. Before running this vehicle check if the battery, wiring, and plugs are loose.
12. Be careful not to touch any moving parts when servicing or operating this vehicle.
13. To prevent excessive RPM from damaging the motor, and/or the drive-train components, we suggest reducing the throttle while performing in the air during jumps.
14. Never attempt to re-assemble motor, ESC, and receiver as these have been precisely calibrated at factory.
15. Always apply the factory optional/tooling parts to this vehicle.
16. To upgrade this vehicle requires the user to upgrade the entire radio/driving system (such as motor, ESC, receiver and so forth.) They should be strictly matched with factory components.
17. To run this vehicle, turn on the transmitter (radio controller) first and then the receiver.
18. To stop running this vehicle, turn off the receiver first, and then the transmitter.
19. Straighten the receiver antenna (if it comes with this vehicle) for best receiving performance. Never cut the receiver antenna, otherwise it could lose control of the vehicle.

Practice Required:

Beginners should start slowly. Keep practicing until you feel comfortable with steering, throttle, and brakes. Once you feel comfortable driving the vehicle try a different terrain and speed until you have mastered the basics.

Once you have learned the basics, try different patterns and tracks to improve your skills.

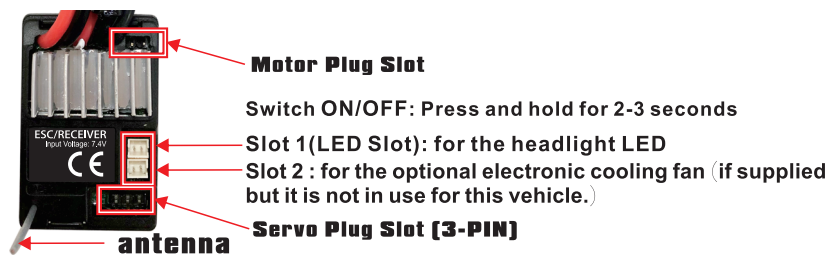
Add a friend for a race or try to beat your best times!



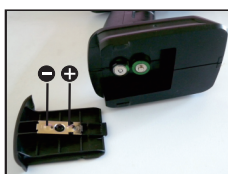
2.4GHz Transmitter Introduction:



Brushed ESC/Receiver:



Always straighten the antenna for the best performance.



Slide and remove the battery cover from the transmitter, install two AA size batteries (1.5V, each), and replace the battery cover. Do not reverse the polarities when installing. Always use batteries of same brand and remove batteries when not in use. Make sure battery power is sufficient before use.

Please replace the batteries for the transmitter if the transmitter LED blinks slowly.

Starting Driving:

1) Switch on the Transmitter:

Slide the Power Switch to "ON" position. Make sure the transmitter has enough battery power. Please replace with the new batteries for transmitter if the LED on transmitter blinks slowly. **Do NOT move the trigger and the steering wheel while the transmitter is waiting for binding.**



2) Switch on the ESC/Receiver:

Press and hold the Power Switch on ESC/Receiver for 2-3 seconds to turn on the car. It will take a few seconds before LEDs (on Transmitter and the ESC/Receiver) stop blinking and become solid on, which indicates that the car is bound with the transmitter. Binding operation may fail with low battery power. Please stop and charge the battery pack once the car jerks, cogs, or moves slowly. Under the circumstance of flat battery power, the car may have steering but not throttle. In case the car runs harshly or noisily, stop to check if there is something clogged in the drive train.



Press and hold for 2-3 seconds to switch on

3) Checking the steering performance by turning the steering wheel:



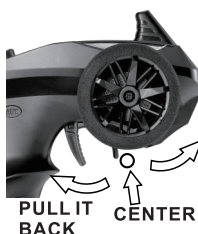
A) With the steering wheel centered, the vehicle runs in a straight line.

Slight adjustment by flipping the steering wheel is occasionally needed. It largely depends on the terrains that you drive.

B) Turn the steering wheel to the left, and the car turns left.

C) Turn the steering wheel to the right, and the car turns right.

4) Throttle Control:



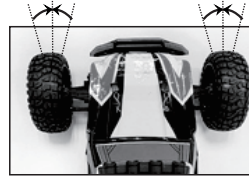
PUSH IT FORWARD

Pull the trigger to accelerate, release it to slow the speed, and push to brake. Pull it to the Center Position and push it again to go reverse.

5) Steering Trim Knob:



STEERING TRIM



It is used to set the steering neutral point on front wheels. If the front wheels on the vehicle veer in one direction while the steering wheel is centered, turn this knob in the opposite direction until the vehicle drives straight.

6) Speed Switch Knob:



SPEED SWITCH



The Speed Switch is actually the throttle limiter. Turning down the knob all the way will reduce the maximum speed down to 40% of maximum speed. Turning up the knob will increase max speed up to 100%. It is advisable to operate the vehicle on the slower setting until you have had enough practice before operating at higher speeds.

7) Steering Direction Reverse Switch:



STEERING REVERSE

If the vehicle turns right when you steer left, flip "Steering Reverse" switch.

If the vehicle turns left when you steer right, flip "Steering Reverse" switch.

Stopping Driving:

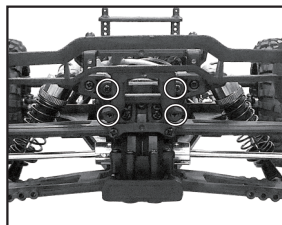
- 1) Press and hold the POWER switch for 2-3 seconds on vehicle to switch off the power.
- 2) Switch the Power switch on transmitter to OFF position to switch off the transmitter.
- 3) Disconnect and remove the battery pack from vehicle if not in use.



Press and hold for 2-3 seconds to switch off

OFF ← ON

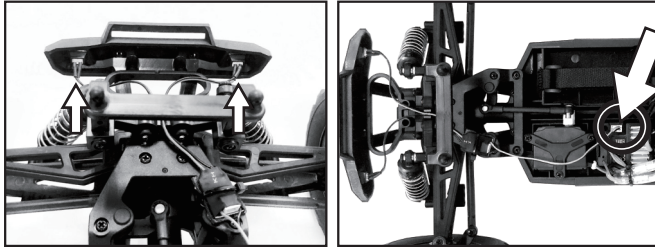
Wing Installation:



The wing which is not installed to the car is provided in the box. Please Install the wing before driving.

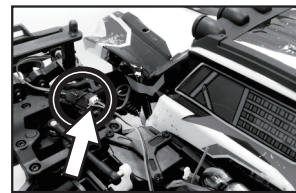
Install the wing to the vehicle with four screws as shown in the photo.

Headlight Installation:



The headlight LED is gifted as an optional part in the box.

- 1) Insert the lights into the slots on the back of the front bumper.
- 2) Lay and secure the wires on the chassis as shown in the photo.
- 3) Insert the plug into the LED slot as shown in the photo.



The top LED plug is connected to the light bar shown in the photo.

Troubleshooting:

A. The vehicle does not work at all:

- 1) Check to ensure that radio controller and car are switched on.
- 2) Check if there are damaged parts/wires/connectors, repair or replace if necessary.
- 3) Car battery is flat. Charge the battery pack.

B. The vehicle runs slowly:

- 1) Car battery is flat. Charge the battery pack.
- 2) Check if the vehicle is properly geared and no dirty or stripped gears are found. Make sure there is a reliable gear mesh for motor pinion and the spur gear.
- 3) Check if there is something stopping the moving parts and clean them immediately.

C. The throttle works but not the steering:

- 1) Check if the servo feels jammed, and try centering it gently if it is the case.
- 2) Check if the servo link is loose or the servo breaks. Repair or replace if needed.

D. It steers, but throttle is uncontrollable:

- 1) Check if there are damaged parts in the overall drive train.
- 2) Check the battery power both for radio controller and the car.

E. The vehicle runs noisily:

- 1) Check gear mesh between spur gear and motor pinion.
- 2) Check if there are stripped and/or dirty gears.
- 3) Check if there are some parts getting damaged in the overall drive train.

F. The vehicle is found one direction's steering travel is not same to the other.

Please tune the Steering Trim until Steering Center Point is fixed.

G. Not able to charge the batteries:

Check if either the charger or the batteries is damaged, or batteries are over-discharged.

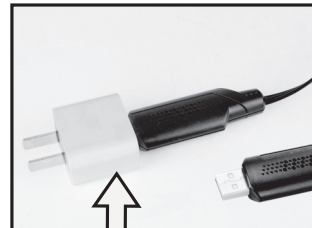
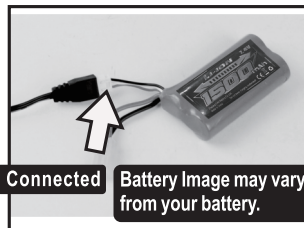
Charging The Battery Pack:

Use ONLY the specified charger (provided in the box) to charge the battery pack.

Note: The balance USB charger is provided in the box.

! WARNING!

- Do not charge the battery pack unattended.
- Do not use damaged and/or leaky batteries or a damaged charger.
- Children are not allowed to charge the battery without being closely supervised by adults.



Red LED (Power LED) is solid on as long as the charger is plugged on. (Even when no battery is load).

During charging, **Red LED** remains solid on, and **Green LED (Charging LED)** flashes slowly.

Green LED (Charging LED) becomes solid on after the battery pack has been fully charged.

Alarm Indication : Red LED (Power LED) flashes rapidly which means the battery pack is damaged or over-discharged, which is not able to take to charge. If it is the case, please replace with the new battery pack.

Charging Duration:

It will take 4.5-5 hours to charge before one Li-ion 7.4V, 1500mAh or one Li-Po 7.4V, 1600mAh is fully charged.

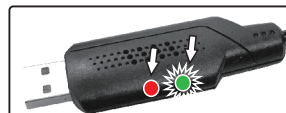
Tip: Smart phone AC POWER adaptors (5V,2A) can be applied to reduce charging period.

Safety Precautions:

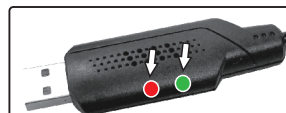
- Always leave a dry, clean and safe place for charging.
- Do not apply this USB cable to NON-rechargeable battery packs.
- Do not leave unattended whilst charging.
- Do not use a wet USB cable. Do not expose it to any source of heat and humidity.
- Kids are not allowed charge unless they are closely supervised by adults.
- Keep out of children's reach when charging.



Red LED (Power LED) is solid on.

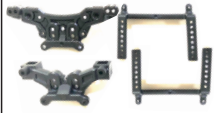


**Charging: Green LED flashes slowly.
Malfunction: Red LED flashes rapidly.**

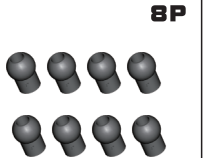
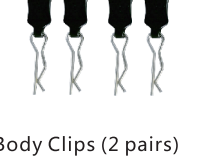


**Battery pack having been fully charged,
both Red and Green LED are solid on.**

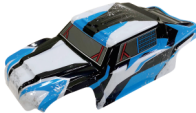
SPARE PART LIST-1

90101	90102	90103	90104
			
Chassis	Front Bumper/Brace /Rear Bumper	Steering Links /Servo Link	Front/Rear Shock Tower/Body Post
90105	90106	90107	90108
			
Steering Hubs/ Rear Hubs	Steering Post/Steering Ackerman Plate+Servo Mount	Front Universal Shafts Rear Drive Shafts /Wheel Shafts	Metal Gear Diff. Complete w/Plastic Cups (Front or Rear)
90109	90110	90111	90112 F/R
			
Metal Spur Gear+ Drive Pinions	Front/Rear Diff. Box Housing	Motor Mount/Front Steering Plate	90112F (Front Coil Shocks) 2P 90112R (Rear Coil Shocks) 2P
90113	90114	90140	90116
			
Suspension Arms (Full Set)	Servo Saver Assembly	Wheels Complete	Center Drive Shaft
90117	90118	90119	90120
 4P	 4P	 4P	 2P
ST3*28mm Front&Rear Upper Suspension Arm Hinge Pins	$\phi 3*47\text{mm}$ Front/Rear Lower Suspension Arm Inside Hinge Pins	Rear Lower Suspension Arm Outside Hinge Pins	$\phi 3*32\text{mm}$ Steering Post Pins

SPARE PART LIST-2

90121  12P Steering Ball Stud.	90122  8P Ball Stud.	90123  8P Balls (φ 5.8)	H013  12P Ball Stud.
793127  8P Ball Bearings (φ7.93*12.7*3.95mm)	635953  8P Ball Bearings (φ6.35*9.53*3.17mm)	H022  8P Wheel Hex. Pin (2*10mm)	90124  Motor Heatsink
90125  390 Motor	90126  3-Wire Servo	90127  ESC/Receiver with 3-pin Servo Plug Slot	90128  Motor Pinion +Set Screw
90129  Li-ion Battery 7.4V, 1500mAh	T2119  Soft Pack Li-PO Battery 7.4V, 1600mAh	90130  Headlight LED	90131  4P Wheel Lock Bolts (stainless steel)
M16050  Battery Binding Strap	P010  Zip Ties (8P)	H166  Body Clips (2 pairs)	T002  Small Cross Wrench

SPARE PART LIST-3

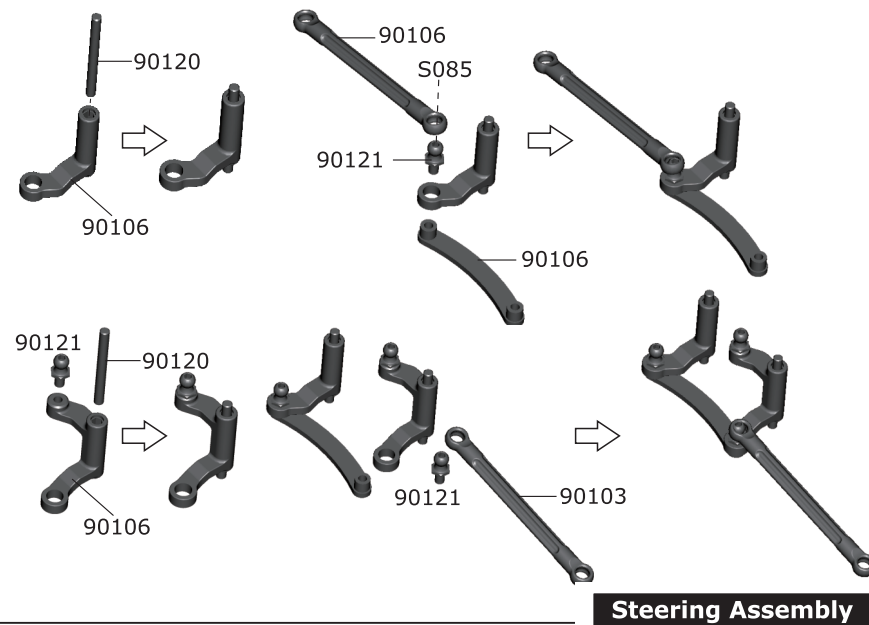
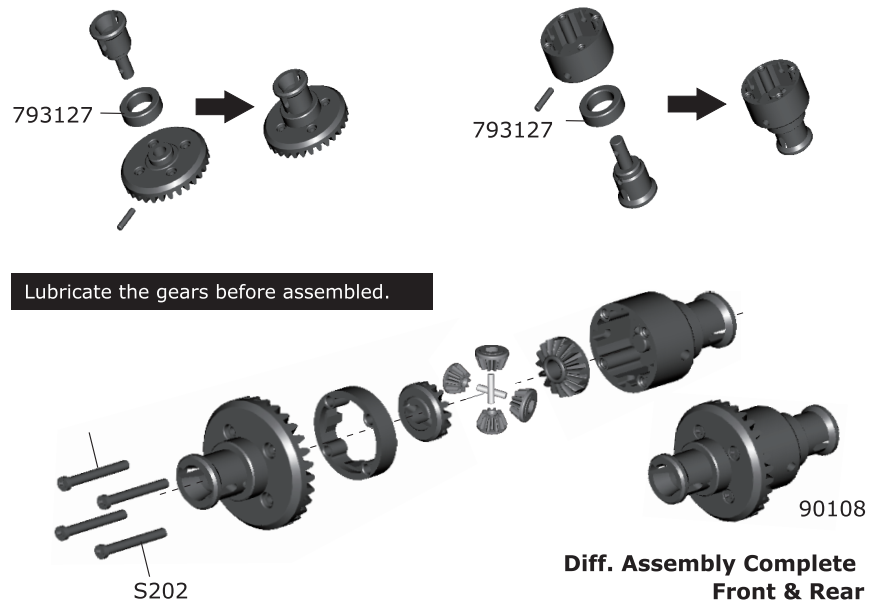
12010  Wheel Hex.	90144  Desert Truck Body (Orange)	90145  Desert Truck Body (Blue)	18859E-E001  USB Charger
S016 12P  Set Screws M3*3	S018 12P  Pan Head Self Tapping Screws PBHO2.6*8mm	S029 12P  Pan Head Self Tapping Screws PBHO2.6*10mm	S051 12P  Pan Head Self Tapping Screws PBHO2.3*6mm
S061 12P  Countersunk Self Tapping Screws KBHO2.6*6mm	S085 12P  Pan Head Self Tapping Screws PBHO3*15mm	S088 12P  Countersunk Self Tapping Screws KBHO2.6*12mm	S101 12P  Pan Head Screws 2.5*6mm
S103 12P  Set Screws M2.5*2.5	S161 12P  Pan Head Self Tapping Screws PBHO2.6*12mm	S162 12P  Countersunk Self Tapping Screws KBHO2.6*18mm	S201 12P  Pan Head Self Tapping Screws PBHO2.6*25mm
S202 12P  Countersunk Self Tapping Screws KBHO2*12mm	S226 12P  Countersunk Self Tapping Screws KBHO2.3*12mm	S227 12P  Flange Head Self Tapping Screw 2.6*12mm	

SPARE PART LIST-4

90141	90142	90143	
			
Wing + Wing Stay	Top Light Brace	Top Light	
90201F/R upgraded part	90202 upgraded part	90203 upgraded part	90204 upgraded part
			
90201F Alum.Capped Shocks (Front) 90201R Alum.Capped Shocks (Rear)	Steel Machine Diff. Complete w/Metal Cups	Steel Machine Spur Gear & Drive Pinions	Metal Outdrive Cups
90205 upgraded part	90206 upgraded part	90207 upgraded part	90208 upgraded part
			
Front Universal Drive Shafts(Metal)	Rear Drive Shafts(Metal)	Rear Wheel Shafts(Metal)	Brushless ESC/Receiver
90209 upgraded part			
			
Brushless Motor			

EXPLODED VIEW-1

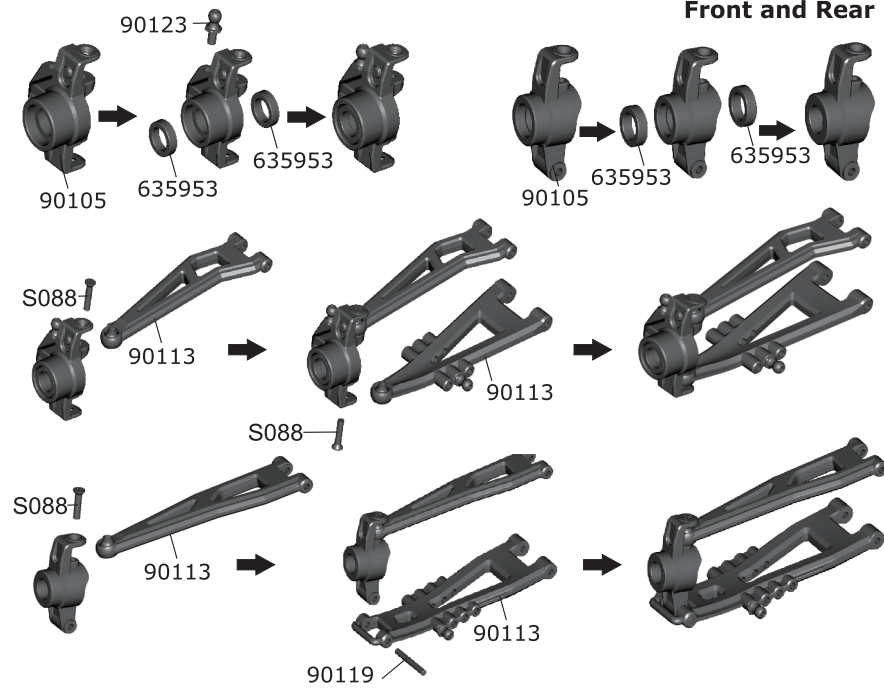
Diff. Assembly



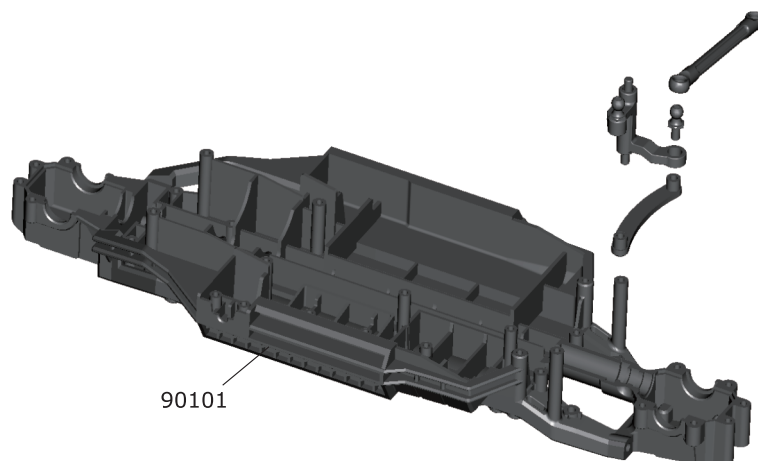
EXPLODED VIEW-2

Suspension Assembly

Front and Rear

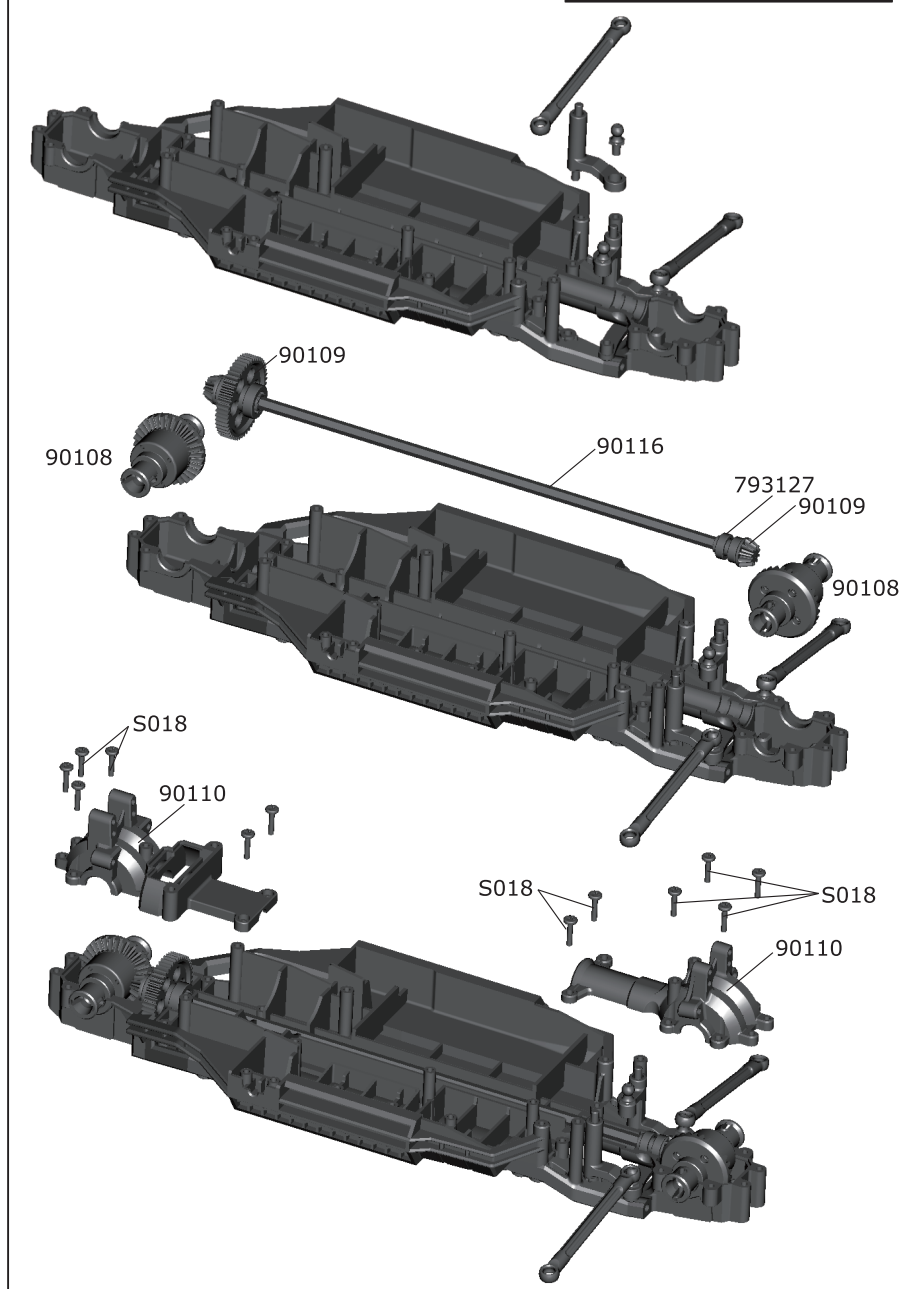


Full Assembly View-1



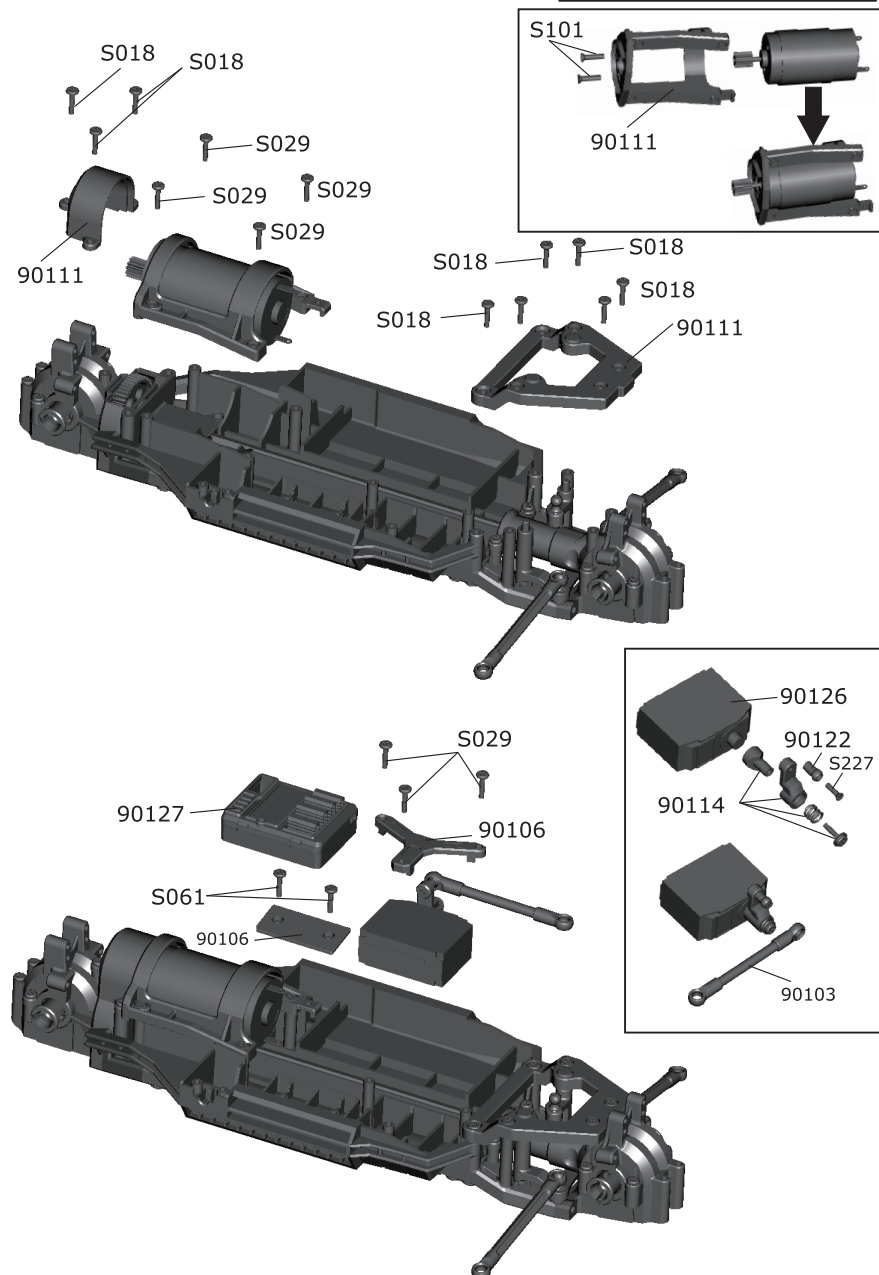
EXPLODED VIEW-3

Full Assembly View-2



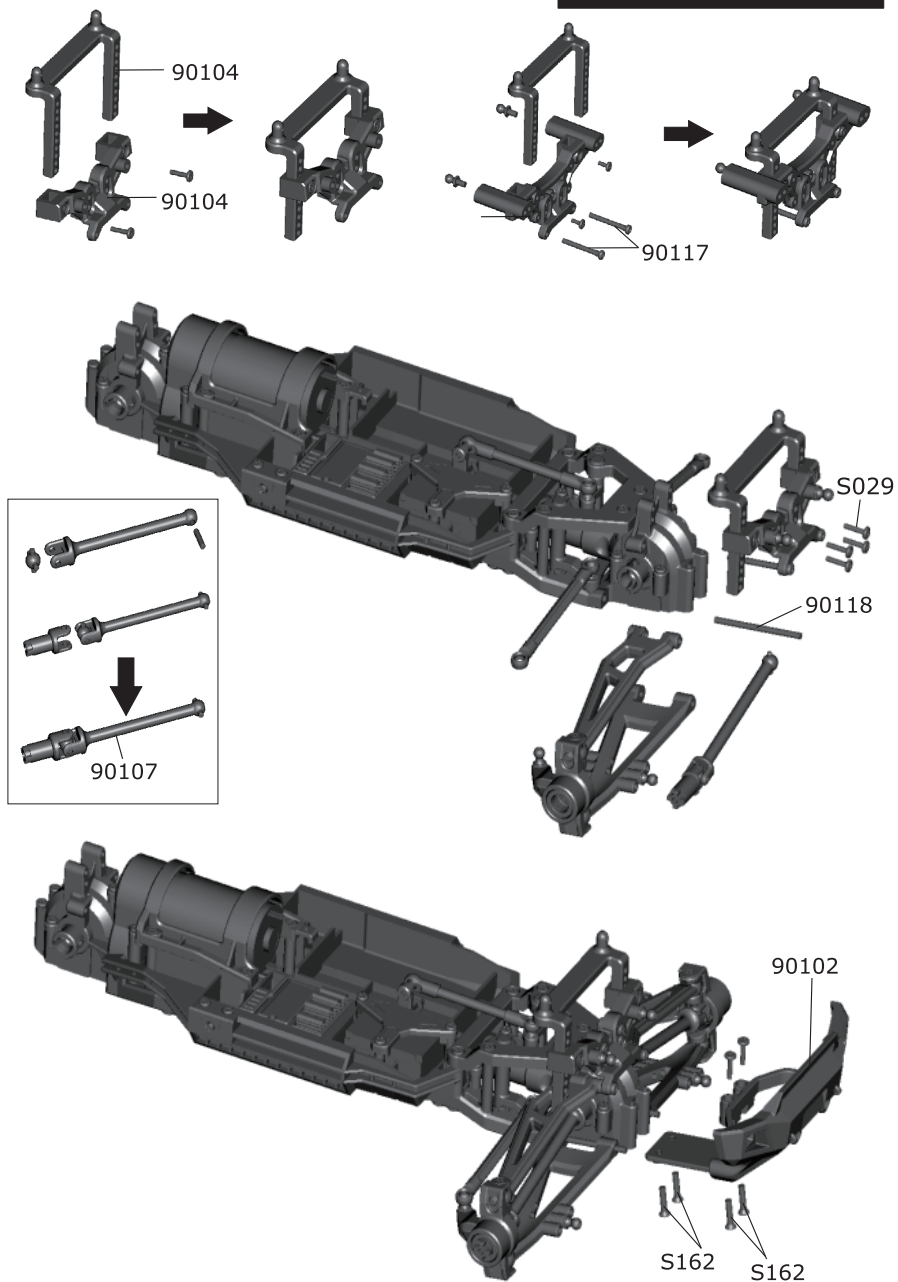
EXPLODED VIEW-4

Full Assembly View-3



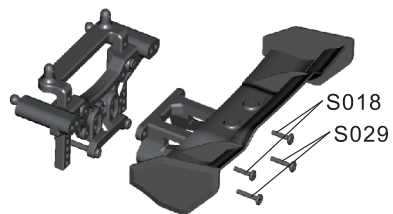
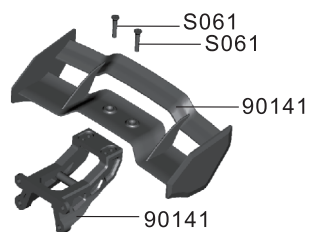
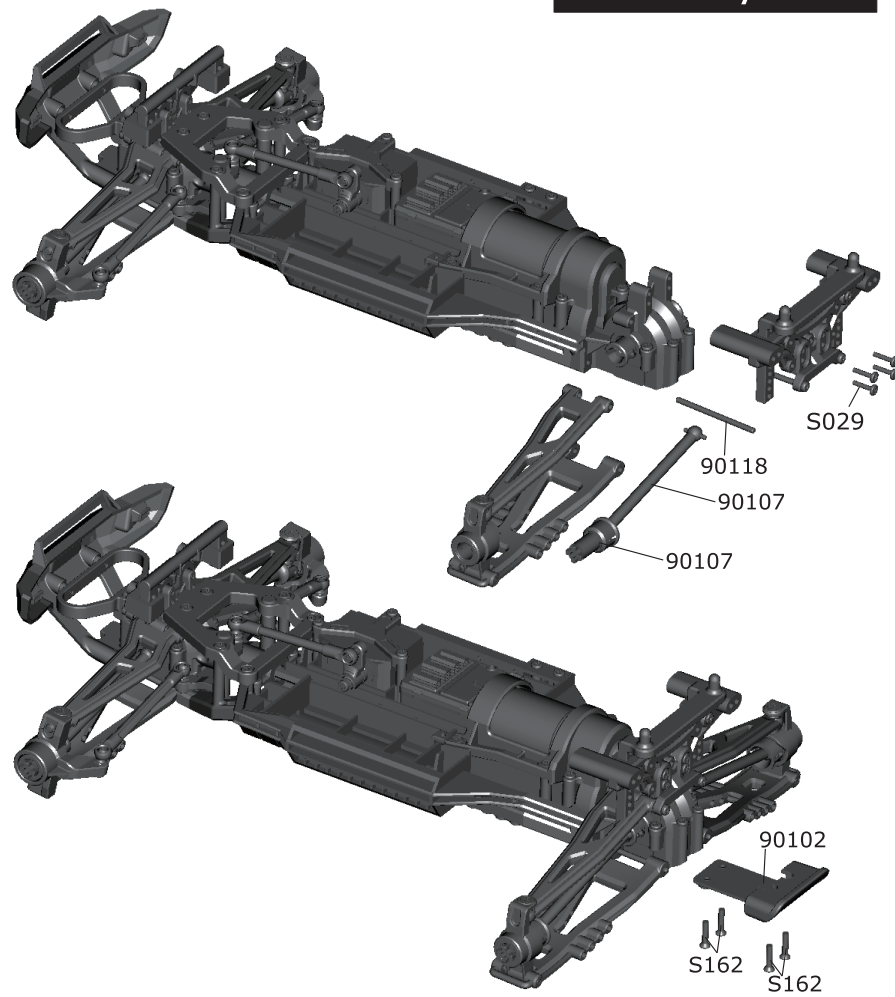
EXPLODED VIEW-5

Full Assembly View-4



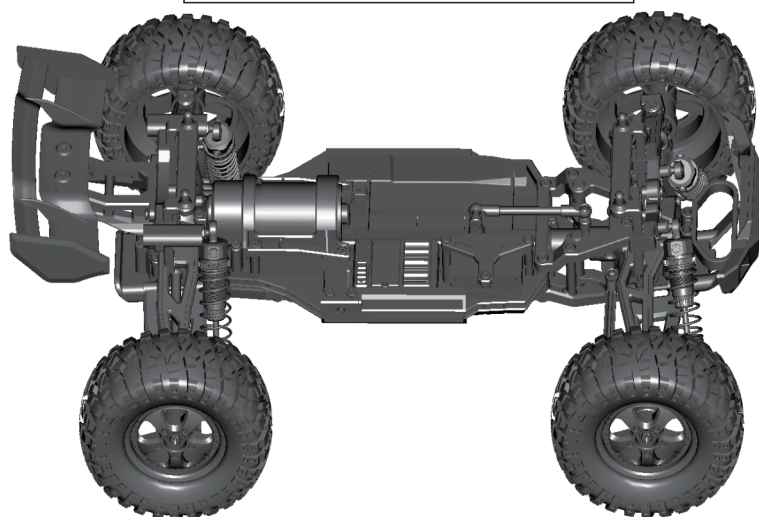
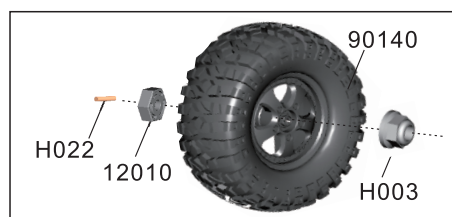
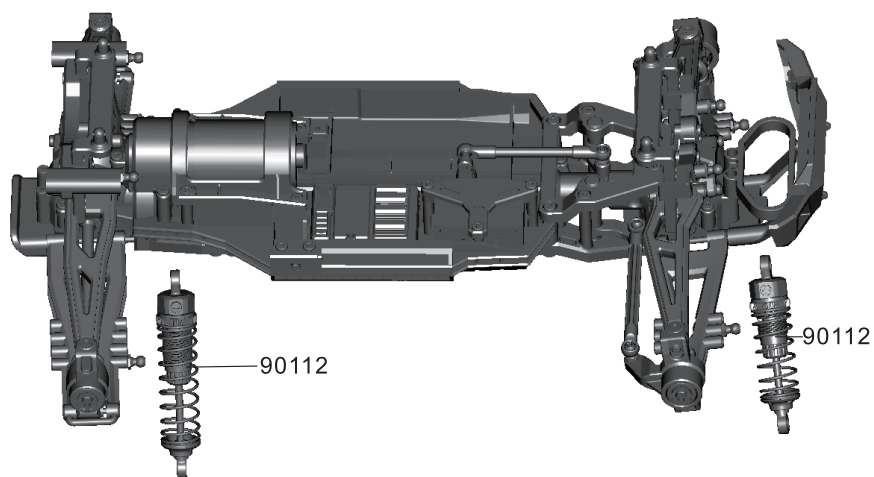
EXPLODED VIEW-6

Full Assembly View-5

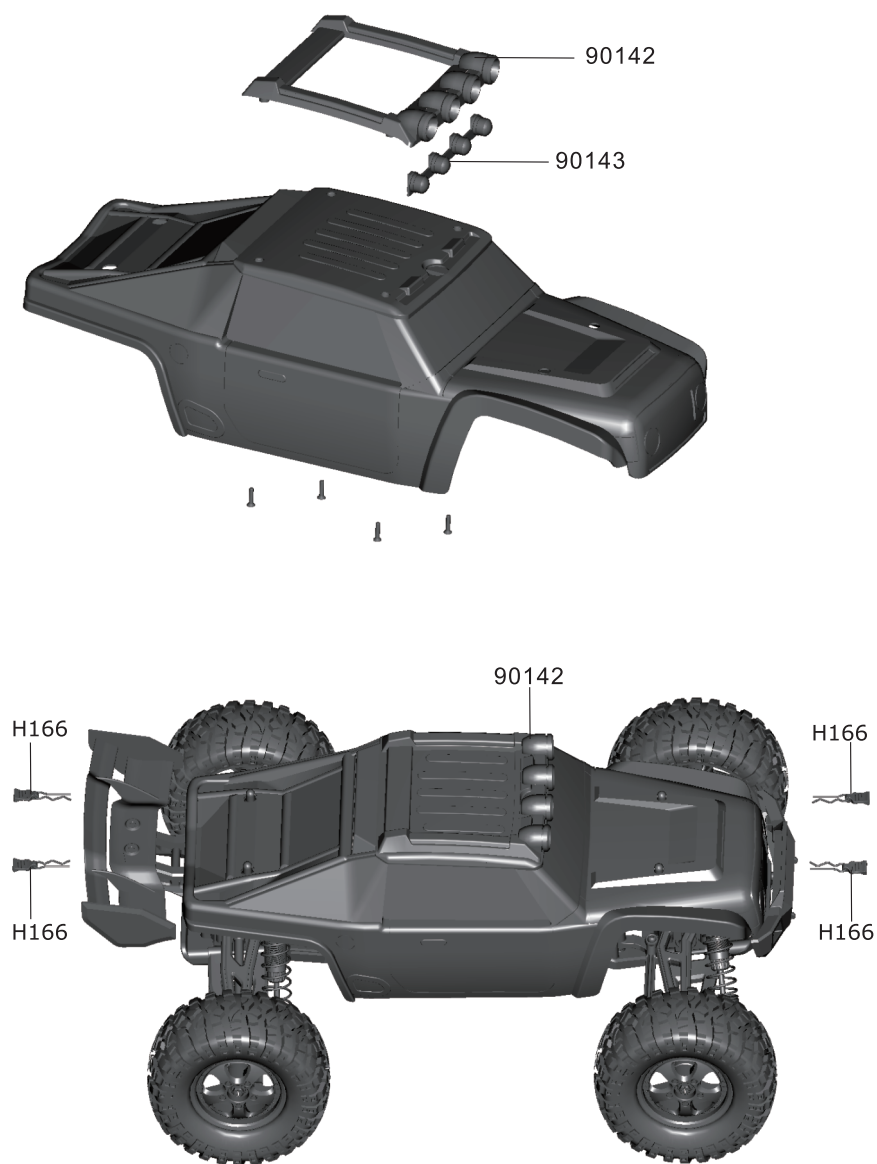


EXPLODED VIEW-7

Full Assembly View-6



EXPLODED VIEW-8



Electric Power Four Wheel Drive Desert Truck

Thank you for purchasing our product.
If you are not familiar with radio controlled model, we STRONGLY recommend that you seek the experts for reliable advice. Wish you safe enjoyment.

14+
YEARS



MADE IN CHINA

This product MUST be handled with due care. We understand high speed is our long pursuit.
However, safety is also is the regulation to observe.

Please operate your car in a spacious area and do not operate it where people are congested.
Do not attempt to assemble or disassemble the electronic units, and when it is not in use, you MUST keep it out of children's reach.

This product is fully assembled at factory. Malfunction and damage that result from misuse and/or abuse will void the warranty. Contrived modification will also void the warranty.