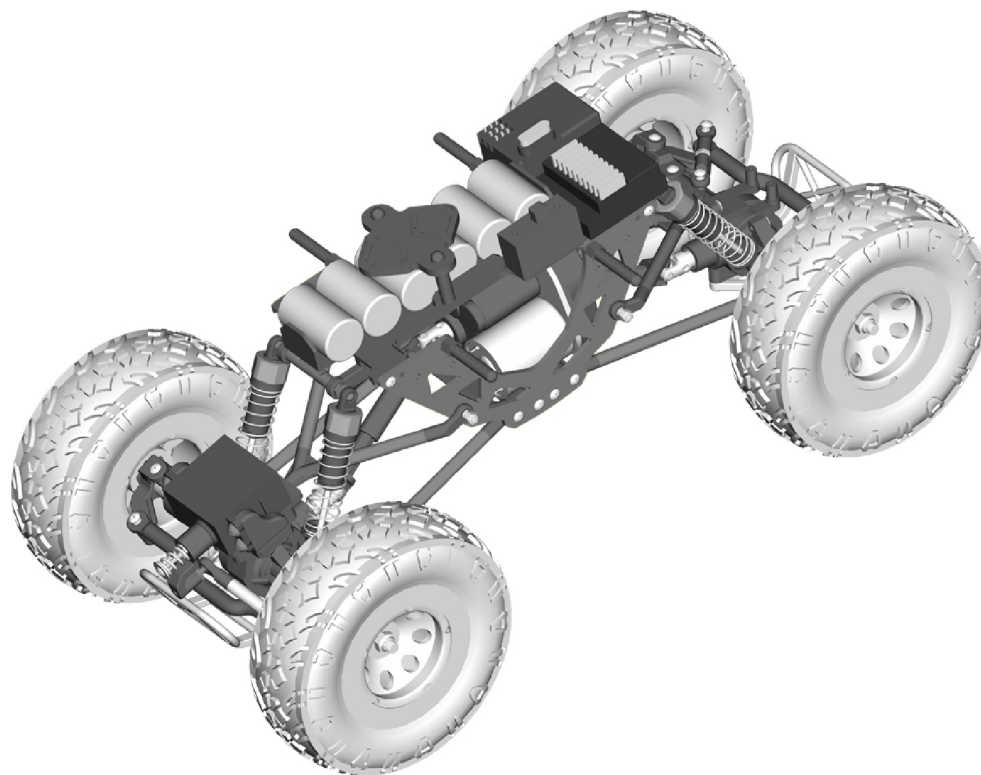


INSTRUCTION MANUAL

1/18TH SCALE ELECTRIC POWERED ROCK CRAWLER



Notes:

- ⇒ The radio controlled racing models is not toy. It is suited for experienced operators.
Read and understand the instructions carefully before operating or assembling your racing model.
- ⇒ Specifications are subject to change without prior notice, and actual received model may vary from the images and/or descriptions in this manual.

The mini rock crawler embodies good features from real rock crawlers. Multi-link suspension and axles provide the ultimate combination of Light weight agility and full strength. Four wheel driving provides all 4 wheels through A center-mounted 3-gear transmission, providing tremendous grip and torque at all times and overcome any obstacle that it may meet with.

Features:

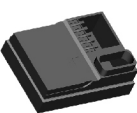
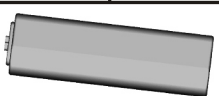
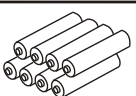
1. Full ball bearings throughout whole vehicle
2. Multi-link suspension allows for smooth crawling
3. Four wheel driving provides tremendous grip for wheels
4. Twin vertical plate (TVP) are firmly locked to protect battery plate...
5. "Truck/Hammer/Wecker" style body
6. Alloy lower suspension linkbars with captured ends
7. 3-Gear center-mounted transmission
8. Solid axle mount provides protection for front/rear shaft
9. High precision ESC w/reverse function
10. High-precision 2-channel receiver
11. 7.2v, 1100mAh battery pack

Technical Data:

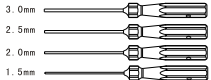
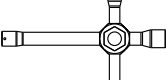
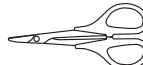
Length.....305mm	Width.....170mm
Height.....135mm (body excluded)	Gear Ratio.....1:88
Wheel Diameter.....95mm	Wheelbase.....215mm
Wheel Width.....34mm	Weight.....0.85kg
Motor.....7.2V RC260	Battery.....7.2V 1100mAh Ni-MH
Steering Angel: 40-50°	Air Current: about 1A, Climb Current: about 15A
Maximum Torque Angel: 90°	

NOTICE FOR ASSEMBLY

Additional Items Needed For Running Your Model

				
Transmitter	Motor	Servo	Receiver	Charger
				
	Electronic Speed Controller	7.2V 1100mAh Ni-MH OR 7.4V 1300mAh Ni-CH Battery (For the Car)	(For transmitter) Ni-Ca batteries 6V 500mA or aa alkaline dry batteries	

Tools Needed To Maintain Your Model

The items on the right, not included in the kit unless specified, are required for assembling your model. These items are available in local hobby shops.				
	Hexagonal Screwdrivers			
				
	4-way cross wrench (Small)			
				
	4-way cross wrench (Large)			
				
	Scissors			
				
	Needle Nose Cutter			
				
Wire Cutter				
Sleeve(23mm)				

Use of the transmitter to control your EP vehicle...



Transmitter A

Please install eight "AA" batteries to the transmitter.



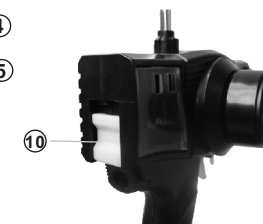
Slide the battery cover to open the battery compartment.

Replace the battery cover after eight AA batteries are installed.

Battery Precautions:

1. In order to maintain good performance, we warmly recommend you to use the 1.5V alkaline batteries instead of the 1.2 V chargeable batteries.
2. The batteries may leak in the event that they are installed with wrong polarities.
3. Do not use batteries of different types.
4. Do not mix the old and new batteries.
5. Please replace batteries when power indicators are weak.

Function Switches On This Transmitter



1. Throttle Reverse Switch
2. Steering Reverse Switch
3. Control Wheel
4. Steering Trim
5. Throttle Trim
6. Trigger
7. Crystal (To change please pull out)
8. Power Indicators
9. Trigger Setup Trim
10. Power Switch



1. Trigger at the neutral position



2. Pull the trigger inward to drive the car forward.



3. Release the trigger back to neutral position to slow down the car.



4. Push the trigger outward to stop the car immediately completely (braking)



5. Release the trigger back to the neutral position again (required step to activate the backward feature on the ESC)



6. Push the trigger outward again to drive the car backward.

General information

- 1.It is used for the crawler only.
- 2.It contains various steering modes which makes the crawler perfect for crawling on road or rocks.
- 3.Fully extend its antenna while using it.
- 4.Various frequencies of AM crystals are available at factory
- 5.This radio control is a high precision product and allowed itself to be used with your good care.

Full function AM radio controller



- 1.Antenna
- 2.LCD Screen
- 3.Steering Control Wheel
- 4.Steering Trim/Reverse Switch
- 5.Throttle Trim
- 6.Power Switch(Slide it to turn on/off)
- 7.Working Indicator
- 8.Servo steering Trim(Angel)
- 9.Trigger
- 10.Trim Switch(rear wheels)
- 11.Steering Mode Switch
- 12.SEL function button

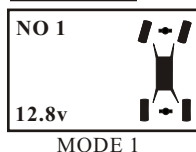


Transmitter B(Optional)

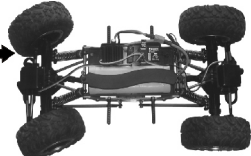
Full function steering modes

This AM radio controller contains various steering modes which are perfect for the rock crawler.

LCD Screen

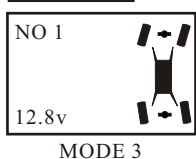


Your crawler will work like so:

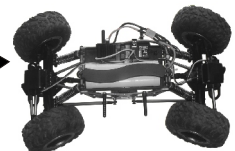


This illustration is your crawler in the situation by performing the first mode on the radio control. Front steering is to turn to the left or right but rear steering remains aligned.

LCD Screen



Your crawler will work like so:



This illustration is your crawler in the situation by performing the third mode on the radio control. Front steering is to turn to the left but rear steering is to turn right.

Throttle/Brake Trigger



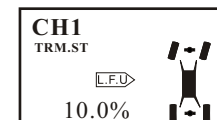
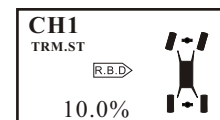
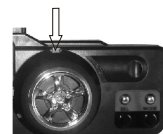
It controls the steering of your rock crawler. Turn the wheel to the right and your crawler turns right. Turn the wheel to the left and your crawler turns left.

It controls the speed and braking ability of your rock crawler. Pull the trigger to speed up, release the trigger to decelerate, and push the trigger to brake. Pushing the trigger a second time and activates the reverse function.

SEL function button

This AM radio controller contains a variety of select functions. Once you press SEL button, different functions will come up in turn with LCD indicators on.

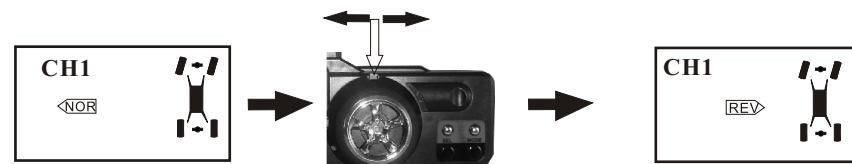
Steering Trim/Steering Reverse Function



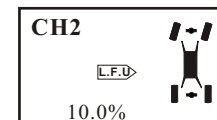
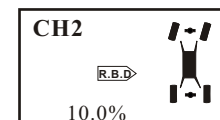
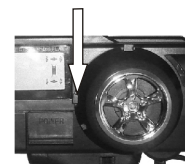
TRM.ST(Steering Trim) range is around 0-10.0% for both left and right steering on front wheels. Tune this switch to select your desired steering trim volume.

To switch to steering Reverse program:

Press SEL(Select Button) on your radio once, this LCD display appears Channel 1(NOR). Tune the Switch(Steering Trim/Reverse Switch) to change NOR into the REV as shown below:



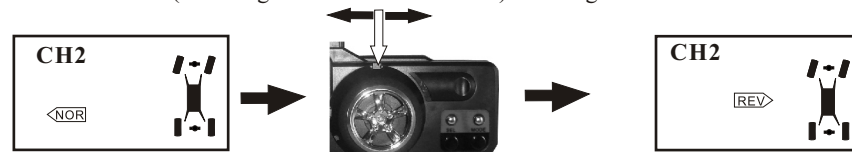
Throttle Trim/Throttle Reverse Switch



TRM.TH(Throttle Trim) range is around 0-10%. Tune this switch to select your desired throttle trim volume.

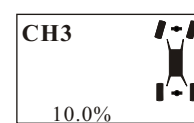
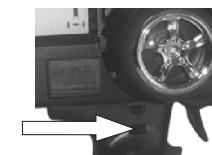
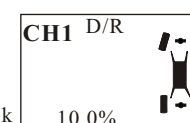
To switch to Throttle Reverse program:

Press SEL(Select Button) on your radio once, this LCD display appears Channel 1(NOR.). Tune the SWITCH(Steering Trim/Reverse Switch) to change NOR into REV as shown below:



Steering Dual Rate Control Dial(D/R)

This dial adjusts the overall travel of the steering servo, push the dial forward for maximum steering. Pull the dial back to reduce steering travel. D/R adjustable range is around 5-10%



Trim Switch(For Rear Wheels)

This dial is to centre the rear wheels. The range is around 0-10% on the left or right rear wheel.

Electronic Speed Controller-ESC(18051)

Good performance of EP vehicles rely on the Electronic speed controller and motor. The new style ESC(18051) works on 1/10 Crawler, is a new kind of drive FET amp with high frequency and reverse function. Unlike the other ESC, the setting has been simplified. It is suitable for the novice and the experience operator. If the running speed is bigger than the original data of ESC, the ESC will update the full speed automatically, forward means forward, backward means backward, center position means brake automatically.

Technical Data

Input Voltage: 6V-8.4VDC

BEC: 5V 1A

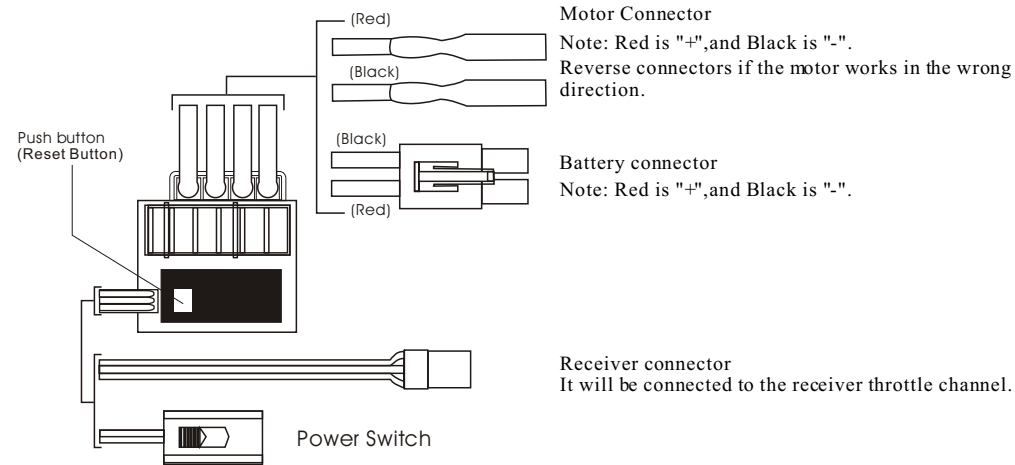
Current Capacity (FET range): Forward=100A; Backward=50A

Case Dimensions: L35*W33*H30 (include protective heat guard)

Weight: 46.3g

Correspond Motor: 540/23T or above

Connections



Connector Setting:

1. Neutral Set: The ESC sustain the car forward, backward with a distance 50%/50% & 70%/30% center position of transmitter motor control mode. While you adjust to the above mode. We recommend you adjust the speed range of transmitter to the normal. The ESC will update the full speed automatically. The LED blink in red and yellow indicates setting the neutral.
2. According to the diagram above, perform the correct collections, turn on the transmitter then the ESC. Once ESC is turned on, it automatically switched to Neutral, you can hear a subtly confirmed sound (DO, RE MI) that indicates ESC is set at neutral. If the motor can't stop running after the neutral position is set for a period of time, please close the ESC switch then reopen it, the neutral position should be reset it.

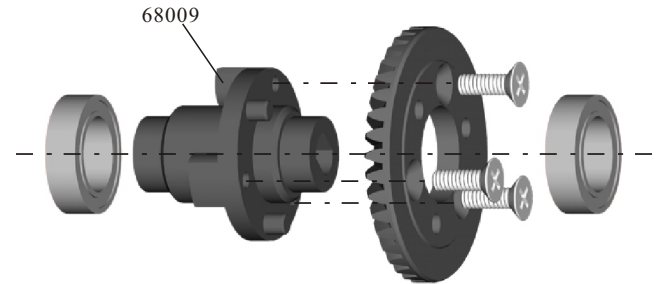
Features:

1. Pull your transmitter trigger back to expect your car to go forward. In this way, LED is supposed to blink slowly in red. As the running speed of your car rises, LED blink faster. If the full speed reaches, LED will become steady in red.
2. Push the trigger outward to stop the car immediately (braking). LED blink slowly in red. If the full speed of brake reaches, LED will become steady in red.
3. Push the trigger outward again to drive the car backward. LED blink slowly in red. If the full speed reaches, LED will become steady in red.

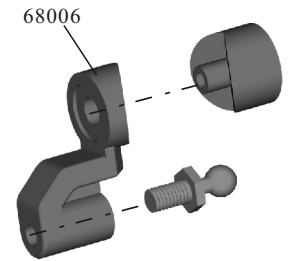
Note:

1. The ESC is not waterproof, so the water can't flow into the ESC. The battery plug should be pulled out immediately once water flowed, use the blower to dry it before electrify test.
2. The ESC is hot in use, and the Heat Guard of ESC is very high after operation, so it can't be touched in use or after operation.

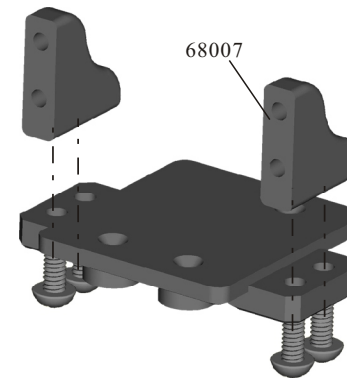
Connect Box W/main gear Assembly



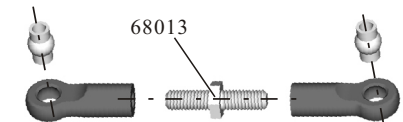
Servo Arm Assembly



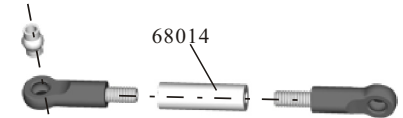
Servo Mount Assembly



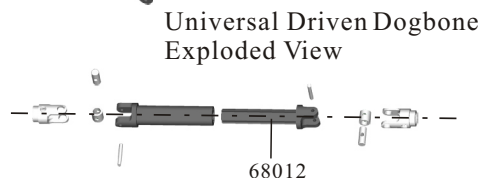
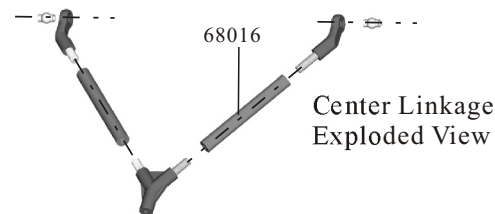
Adjustable Linkage Assembly



Servo Link Assembly



Side Linkage Exploded View

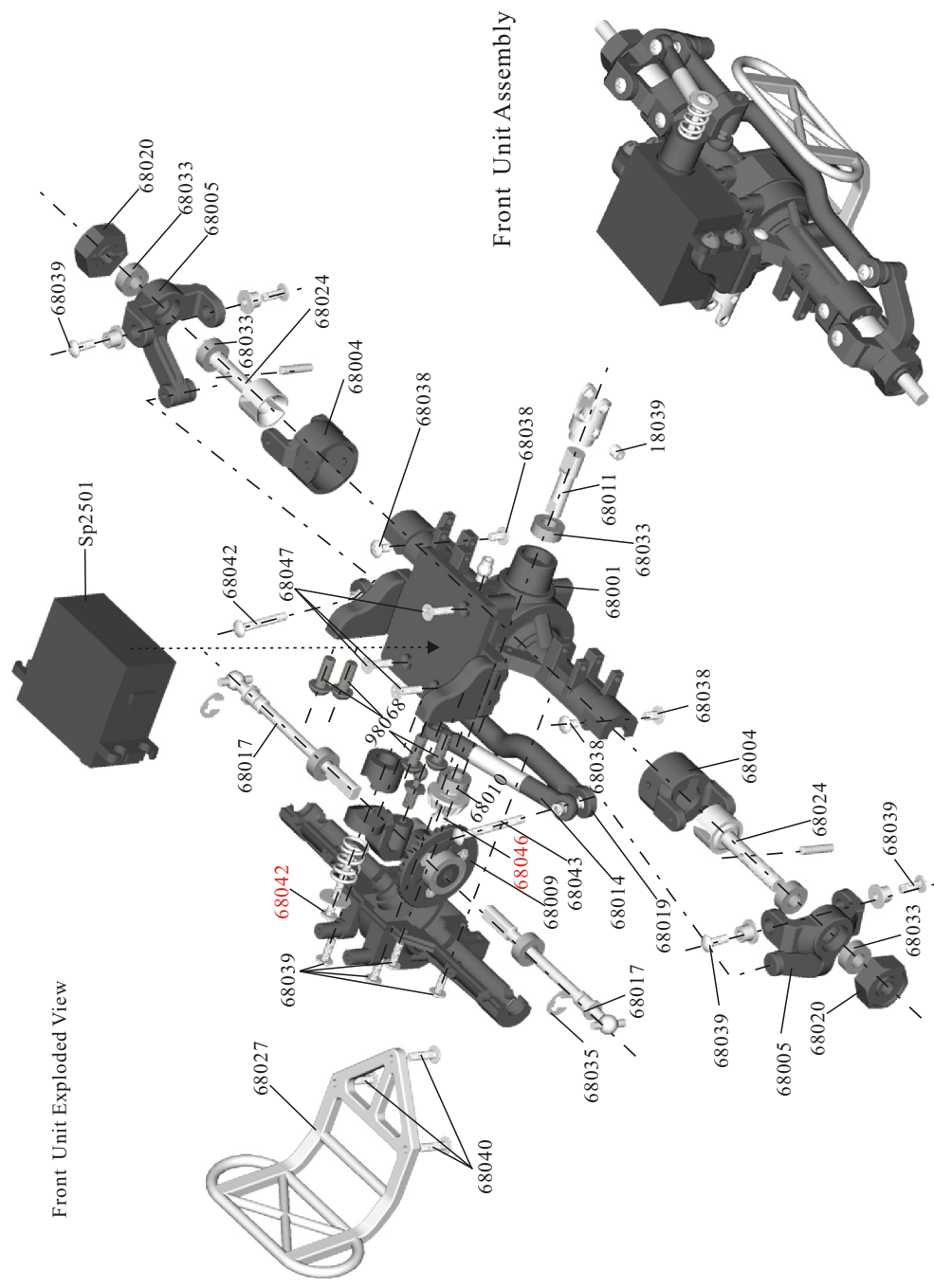


Shock Absorber Exploded View

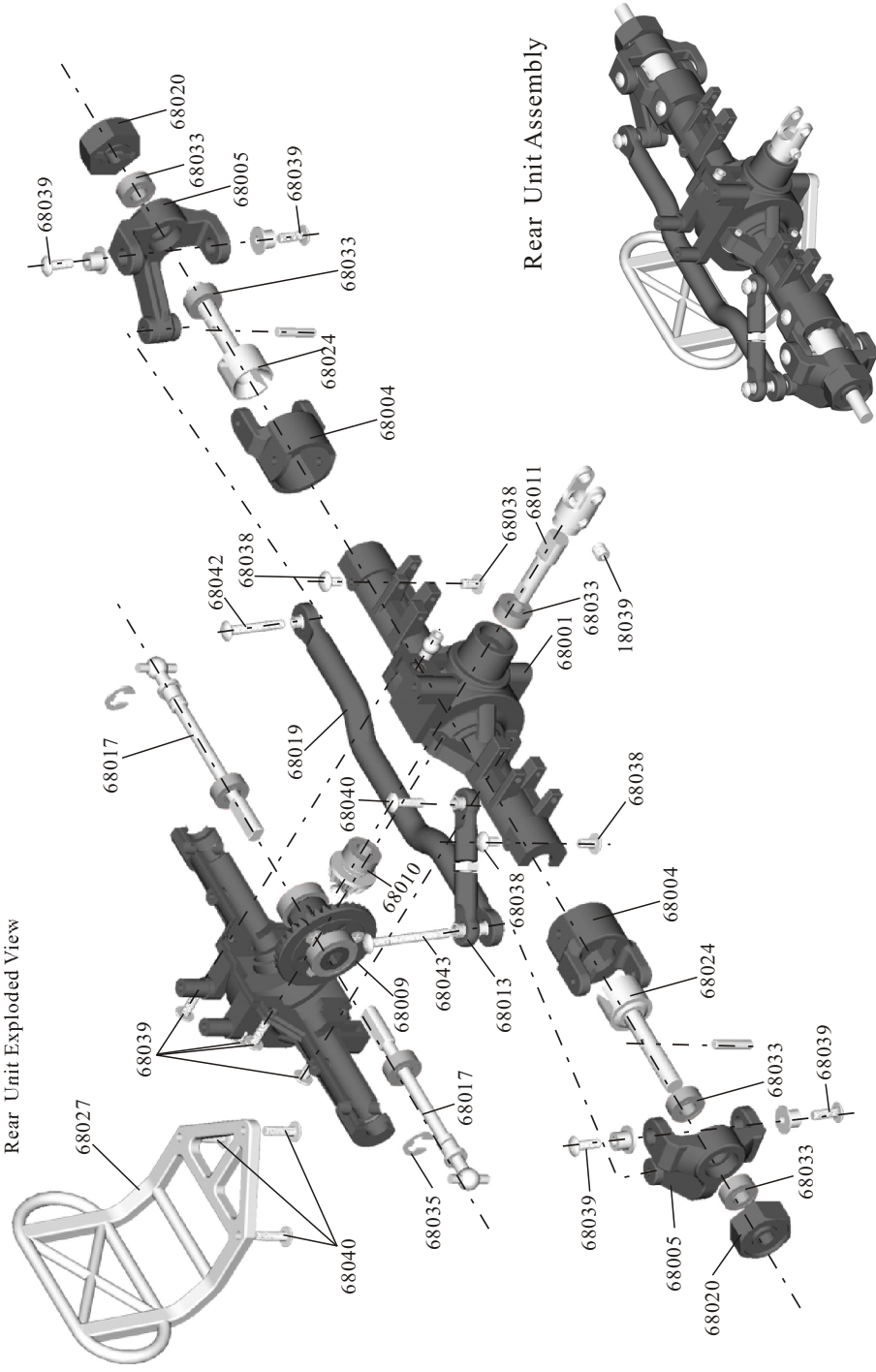


Shock Absorber Assembly

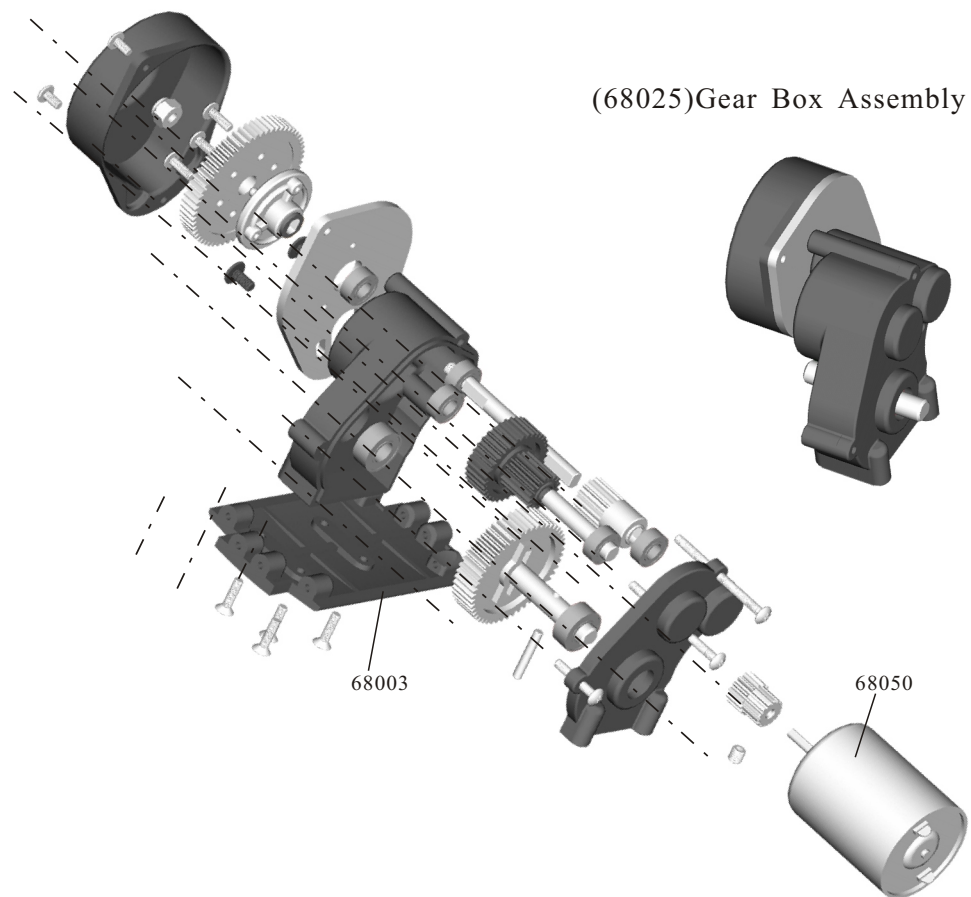
68008(hard)
68053(soft)



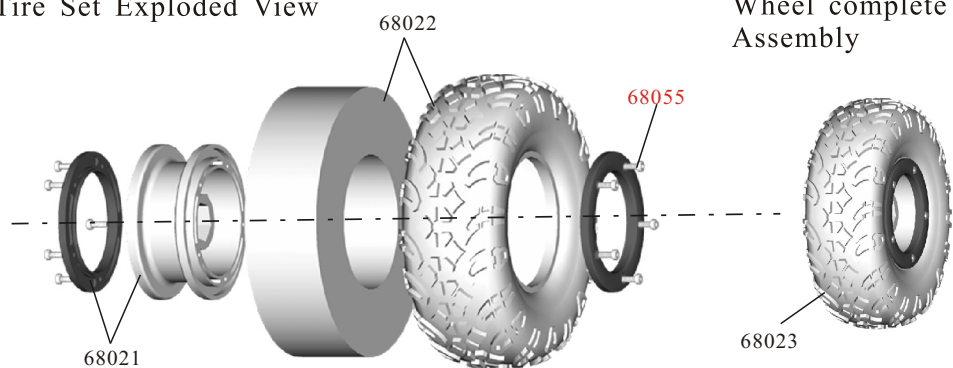
Rear Unit Exploded View



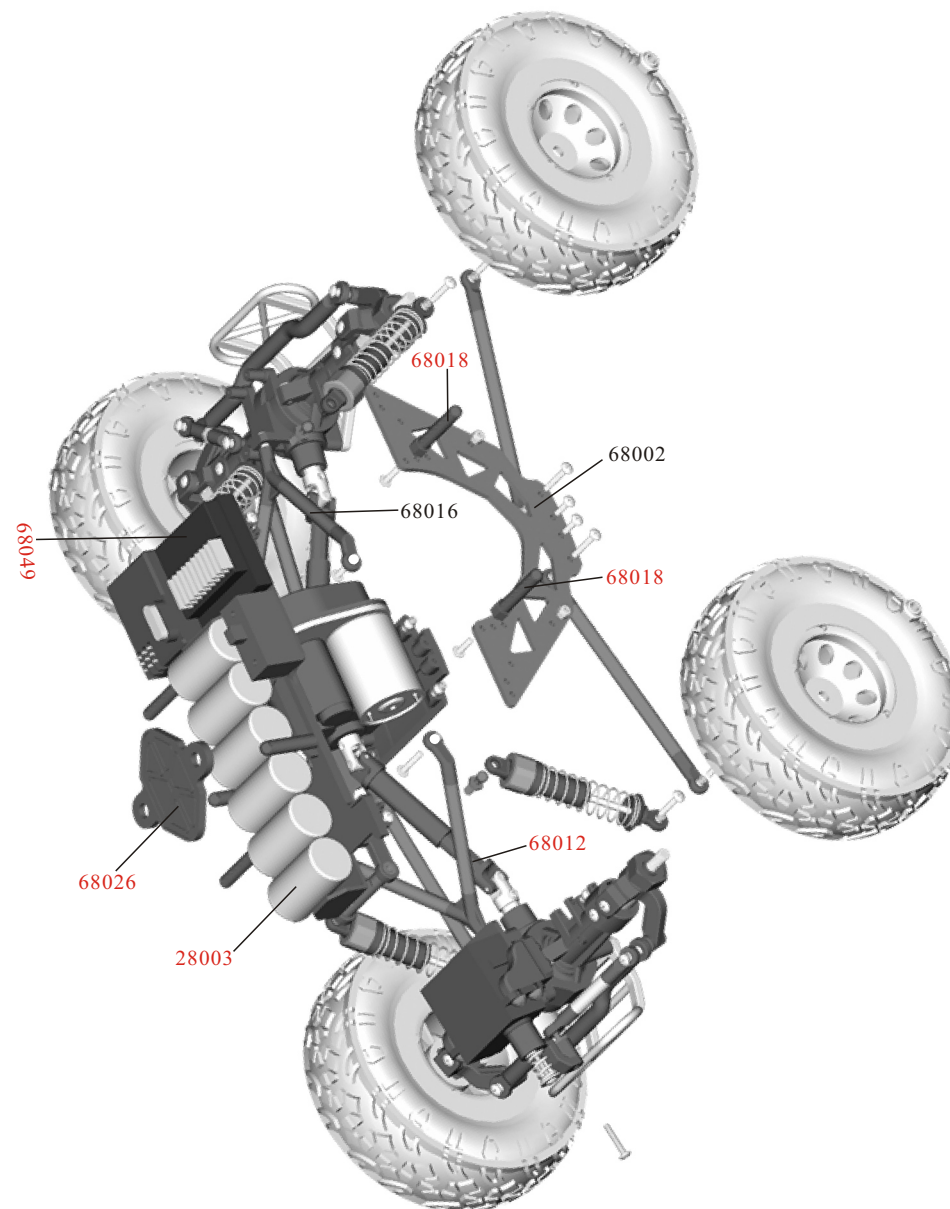
Gear Box Exploded View



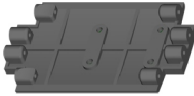
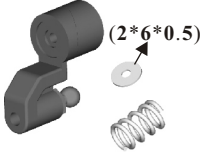
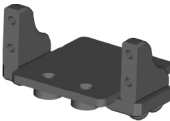
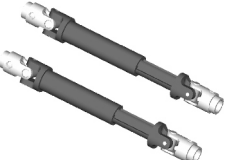
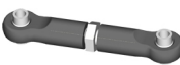
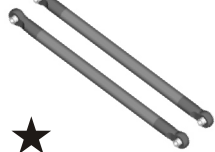
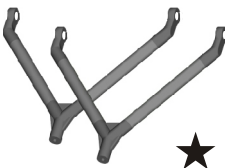
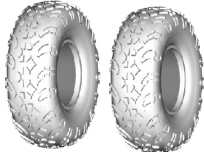
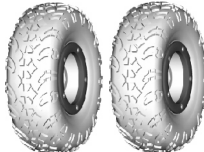
Tire Set Exploded View



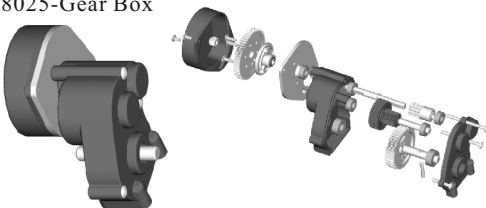
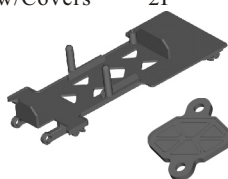
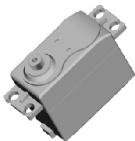
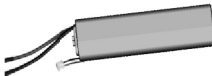
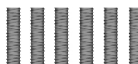
Crawler Exploded View



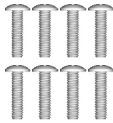
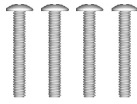
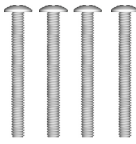
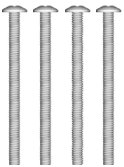
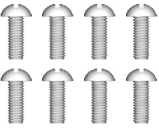
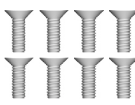
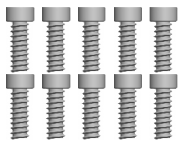
Crawler Spare Parts

68001-F/R Gear Box 	68002-Side Guard 2P 	68003-Chassis 	68004-Caster Mounts 2P 
68005-Steering Mounts (L/R) 2P 	68006-Servo Arm (2*6*0.5) 	68007-ServoPlate W/Servo Mount 	68008-Shock Absorber (hard) 2P 68053-Shock Absorber (soft) 2P 
68009-Connect Box W/Main Gear(38T) 	68010-Drive Gear 	68011-Drive shaft 	68012-Universal Driven Dogbone 2P 
68013-Adjustable Linkage 	68014-Servo Linkage (48mm) 2P 	68015-Side Linkage (97mm) 2P 	68016-Center Linkage 2P 
68017-Dogbone 4P 	68018-Body Post 4P 	68019-Connect Linkage 2P 	68020-Wheel Hex. W/Pins(2*10) 4P 
68021-Rim/Secure Ring 2P 	68022-Tire w/Foam 2P 	68023-Pre-Mounted Tire Set(L/R) 2P 	68024-Wheel Axle 2P 

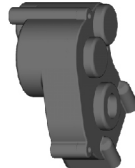
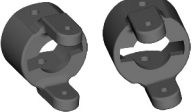
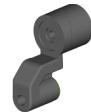
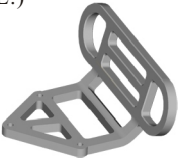
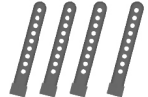
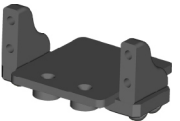
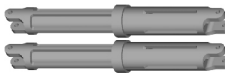
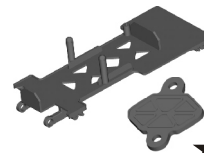
Crawler Spare Parts

68025-Gear Box 	68026-Battery Holder w/Covers 2P 	68027-Bumper(F/R) 	
Sp2501-Servo(2.5kg) 	68049-ESC 	28003-Battery (Ni-MH 7.2V 1100mAh) 	68050-Motor(RC260) 
68028-Ball Stand $\phi 4.0$ 8P 	68029-Ball Stand $\phi 4.0$ 4P 	02053-Body Clip 8P 	02055-Nylon Nuts M4 8P 
68030-Nylon Nuts M3 8P 	18033-Ball Bearings (5*10*4) 8P 	68032-Ball Bearings (7*11*3) 8P 	68033-Ball Bearings (4*8*3) 8P 
68034-E-Clips 8P $\phi 2.0$ 	68035-E-Clips 4P $\phi 3.2$ 	68036-Washer2*6*0.5 6P 	18039-Grub screw M3*3 4P 
68037-Grub Screw M4*3 4P 	18051-Set Screw M3*15 6P 	68038-Cap Head Machine Screw M2*4 8P 	68039-Cap Head Machine Screw M2*6 8P 

Crawler Spare Parts

68040-Cap Head Machine Screw M2*8 8P 	68041-Cap Head Machine Screw M2*12 4P 	68042-Cap Head Machine Screw M2*14 4P 	68043-Cap Head Machine Screw M2*20 4P 
68044-Cap Head Machine Screw M2*27 4P 	68045-Cap Head Machine Screw M2.5*5 6P 	98068-Cap Head Machine Screw M3*8 8P 	68046-Countersink Head Machine Screw M2*6 8P 
68047-Countersink Head Machine Screw M2*8 8P 	68055-Column Head Self Tapping Screw 2*5mm 10P 	68054-Motor Gear (14T) 	

Crawler Upgradable Optional

680001-Gear Box(Shell only) (AL.)  ★	680002-Steering Mounts (L/R) (AL.)  ★	680003-Caster Mounts (AL.) 2P  ★	680004-Servo Arm (AL.)  ★
680005-Rims (AL.) 2P  ★	680020-Secure Ring (AL.) 2P  ★	680006-Bumper(F/R) (AL.)  ★	680007-Chassis (AL.)  ★
680008-Shock Absorber (AL.) 2P  ★	680009-Body Post (AL.) 4P  ★	680010-Connect Box (W/Gear 38T) (AL.)  ★	680011-Servo Mount (AL.) 2P  ★
680012-Universal Driven Dogbone (AL.) 2P  ★	680013-Battery Holder W/Covers (AL.)  ★	680014-Dustproof Cover (AL.)  ★	680615-F/R Gear Box (AL.)  ★
680016-Wheel Hex Mount W/Pins (2*10) 4P  ★	TR80227-Transmitter (3Channel AM/FM27M/40M-2.4G) 	28469-Receiver (3Channel) 	28423-Battery (NI-CH 7.4V,1300mAh) 
680019-Alum Wheel WeightSet 90g 4P 			

Notice: Please notice that the parts images with ★ have several kinds of different colors when place your order.