

# UNLIMITED CLASS ROCK CRAWLER 1/8

## INSTRUCTION MANUAL



- ☐ **A.94880 Version**
- ☐ **B.T2/T3/T6 Version**
- ☐ **C.Extra Longer Version**

### 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.

1/8th Electric Powered Crawler is equipped with twin motors,a lot of metal parts to make sure the construction solidly.The high precision ESC is also equipped on the Car.You are not only have a chance to see the beautiful nature scene but also climb over the most chanlleging rugged terrain.



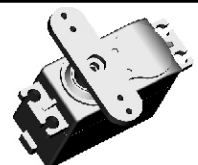
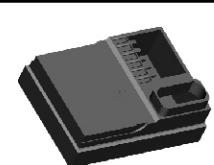
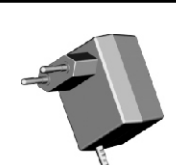

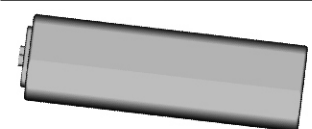
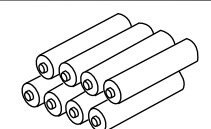
Features:

- 1.Independent front&rear gear box, Twin motor driven system.
- 2.Aluminum solid side guard.
- 3.Aluminum oil filled shock absorber.
- 4.The Car is equipped with lots of metal parts to keep the construction solidly.
- 5.1/8 the scale body design
- 6.High quality knobby off-road climbing tires.
- 7.The perfect design enable the Crawler to climb over the most challenging rugged terrain .
- 8.Battery are well fixed with plate set ,no failing off and easy to take out.
- 9.Chrome plated Wheel Secure Cover is fixed by 18 screws enable the Tire and Wheel rim are not seperated during high speed running.
- 10.Suitable for all terrains indoor&Outdoor,such as living room,a yard.etc.

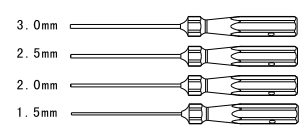
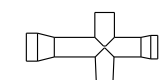
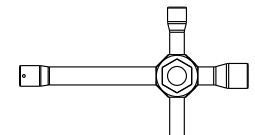
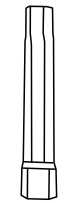
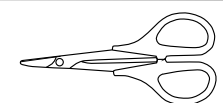
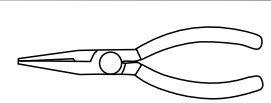
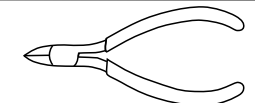
Technical Data:

Length.....645mm (A&B) 705mm (C)      Width.....375mm  
Height.....225mm(body excluded) Gear Ratio.....1:48.15  
Wheel Diameter.....182mm      Wheelbase.....460mm  
Wheel Width.....82mm      Weight.....5300g  
Motor.....RC540      Battery.....7.2V 2000mAh or 3000mAh  
Radio.....2CH\*1Servo

NOTICE FOR ASSEMBLY  
Additional Items Needed For Running Your Model

				
Transmitter	Motor	Servo	Receiver	Charger
				
Electronic Speed Controller	7.2V 2000mAh OR 3000mAh Ni-MH Battery(For the Car)			(For transmitter) Ni-Ca batteries 6V 500mA or aa alkaline dry batteries

Tools Needed To Maintain Your Model

<p>The items on the right, not included in the kit unless specified, are required for assembling your model.</p> <p>These items are available in local hobby shops.</p>				
	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.....

Please install eight "AA" batteries to the transmitter.



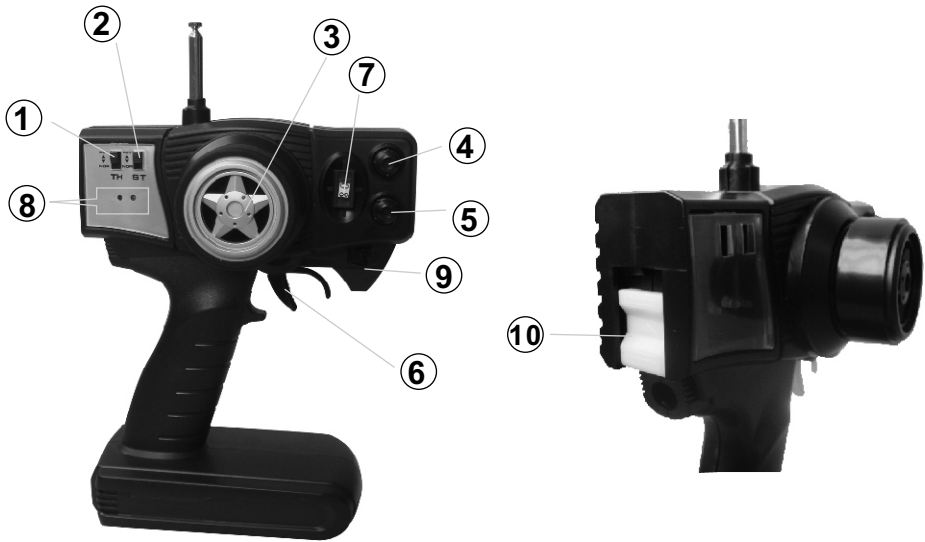
Slide the battery cover to open the battery compartment.

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 (breaking)



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.

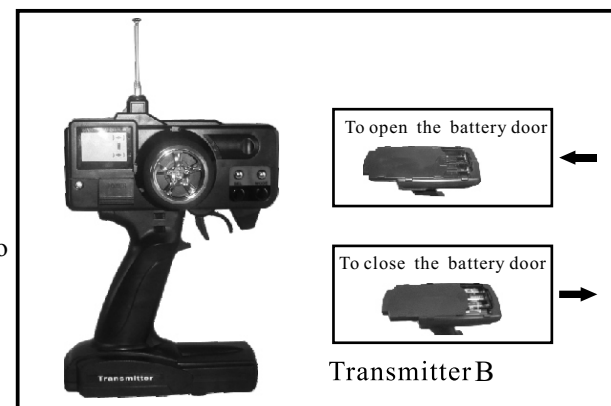
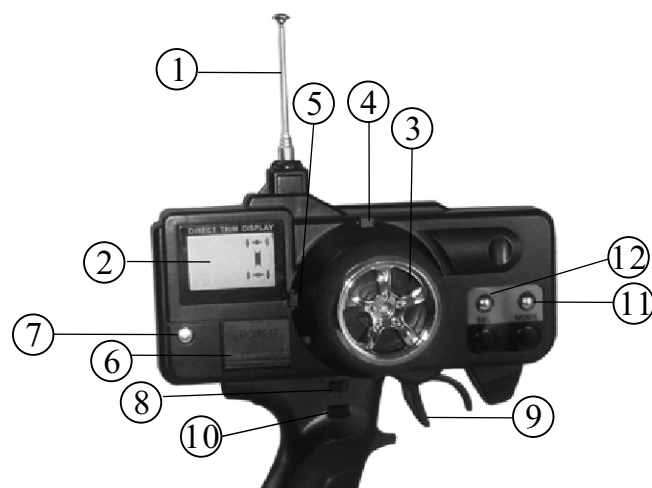


## General information

- 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

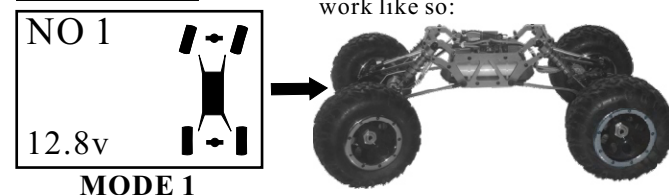
- 1.Antenna
- 2.LCD Screen
- 3.Steering Control Wheel
- 4.Steering Trim/Reverse Switch
- 5.Throttle Trim
- 6.Power Switch(Slide it to turn on/off)
- 7.Working Indicator
- 8.Servo steering Trim (Angel)
- 9.Trigger
- 10.Trim Switch(rear wheels)
- 11.Steering Mode Switch
- 12.SEL function button



## Full function steering modes

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

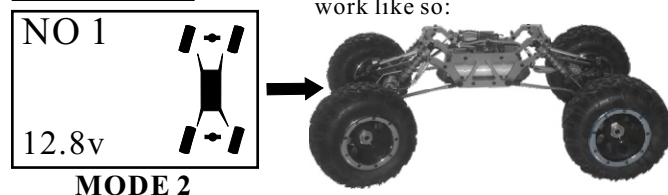
### LCD Screen



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.

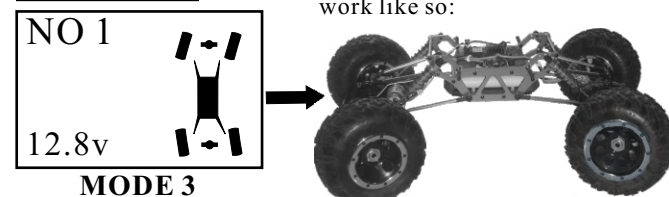
### LCD Screen



Your crawler will work like so:

This illustration is your crawler in the situation by performing the second mode on the radio control. Front steering is to turn to the left and rear steering is to do likewise.

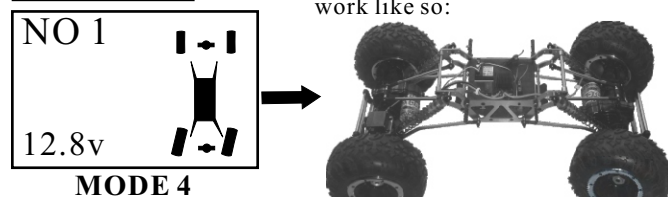
### LCD Screen



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.

### LCD Screen



Your crawler will work like so:

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

## Throttle/Brake Trigger



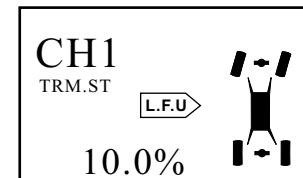
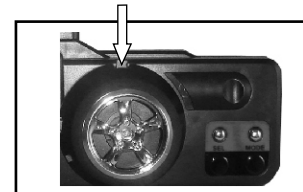
It controls the steering of your rock crawler. Turn the wheel to the right and your crawler turns right. Turn the wheel to the left and your crawler turn left.

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.

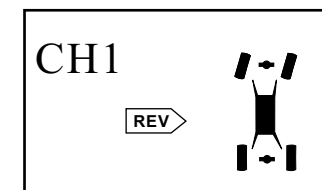
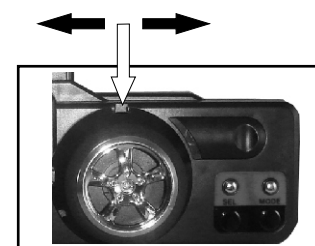
## Steering Trim/Steering Reverse Function



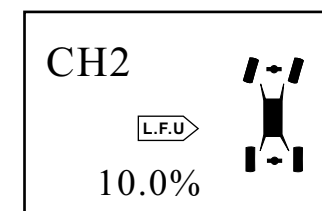
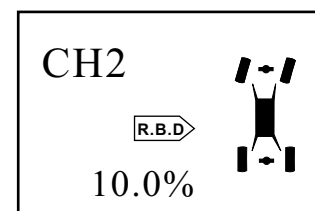
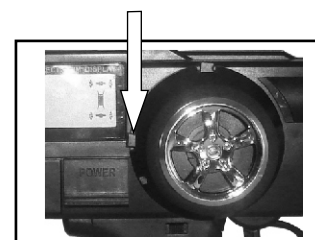
**TRM.ST**(Steering Trim)range is around 0-10.0% for both left and right steering on front wheels. Tune this switch to select your desired steering trim volume.

## 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:



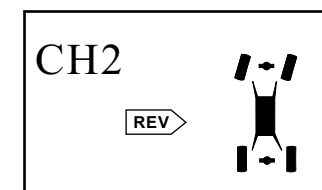
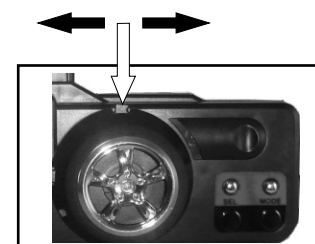
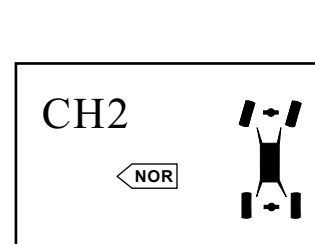
## Throttle Trim/Throttle Reverse Switch



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

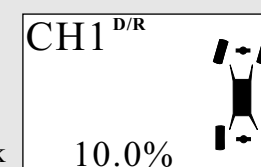
## To switch to Throttle Reverse program:

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)

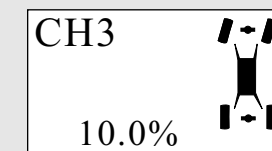
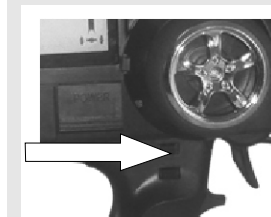
This dial adjusts the overall travel of the steering servo, push the dial forward for maximum steering. Pull the dial back to reduce steering travel. D/R adjustable range is around 5-10%



Pull back  
Push forward

## 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.



Pull back  
Push forward

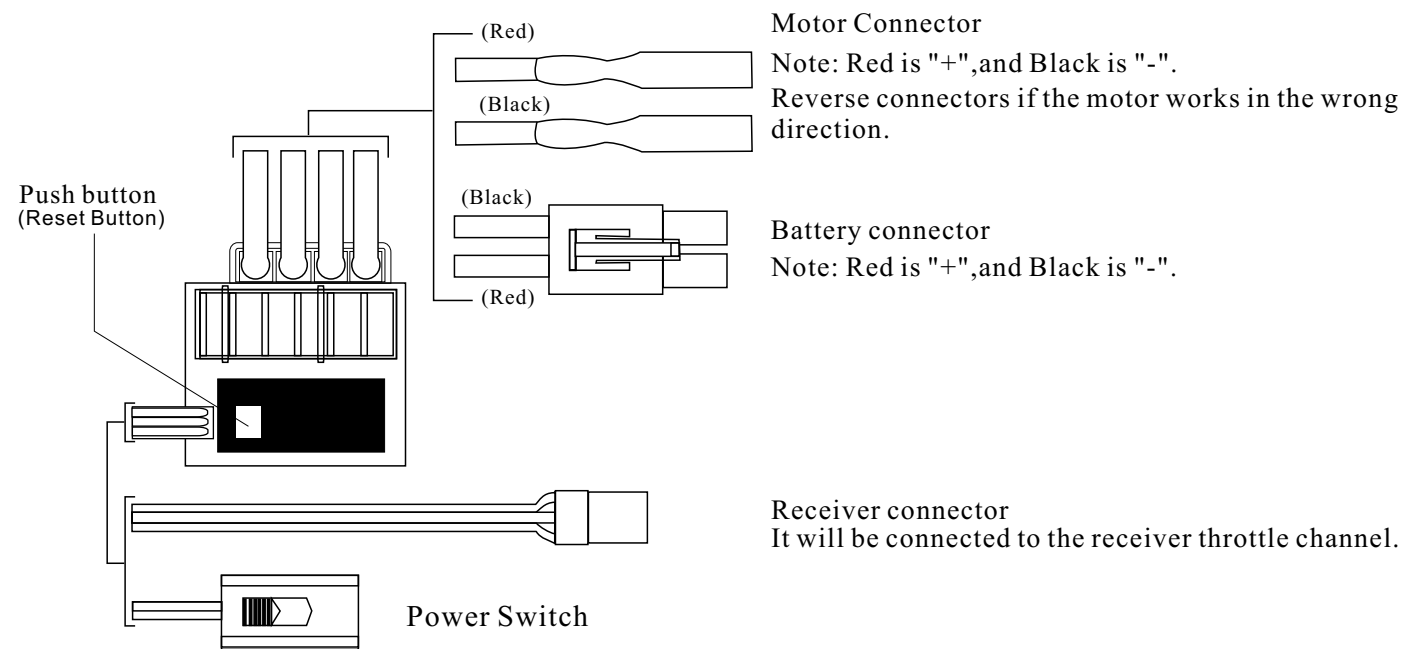
## Electronic Speed Controller-ESC

Good performance of EP vehicles rely on the Electronic speed controller and motor, The new style ESC(98063)works on our Crawler ,is a new kind of drive FET amp with high frequency and reverse function. Unlike the other ESC,the setting have 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-8.4V DC
- 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:

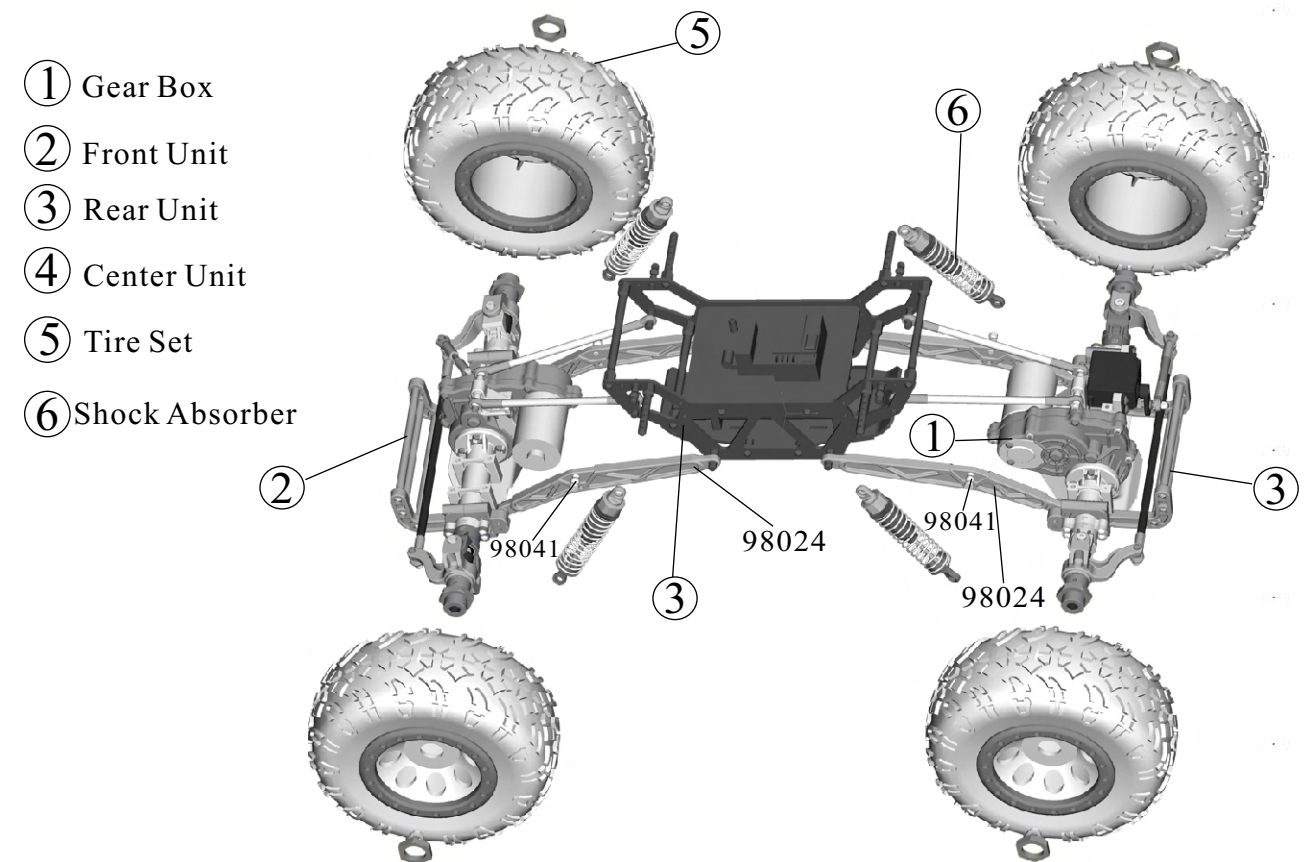
- 1.Neutral Set:The ESC sustain the car foward,backward with a distance 50%/50%&70%/30%center position of transmitter motor control mode. While you adjust to the above mode.We recommend you adjust the speed range of transmitter to the normal.The ESC will update the full speed automatically.The LED blink in red and yellow indicates searing 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 natural .If the motor can't stop running after the neutral position is settd for a period of time,please close the ESC switch then reopen it,the neutral position should be reset it.

### Features:

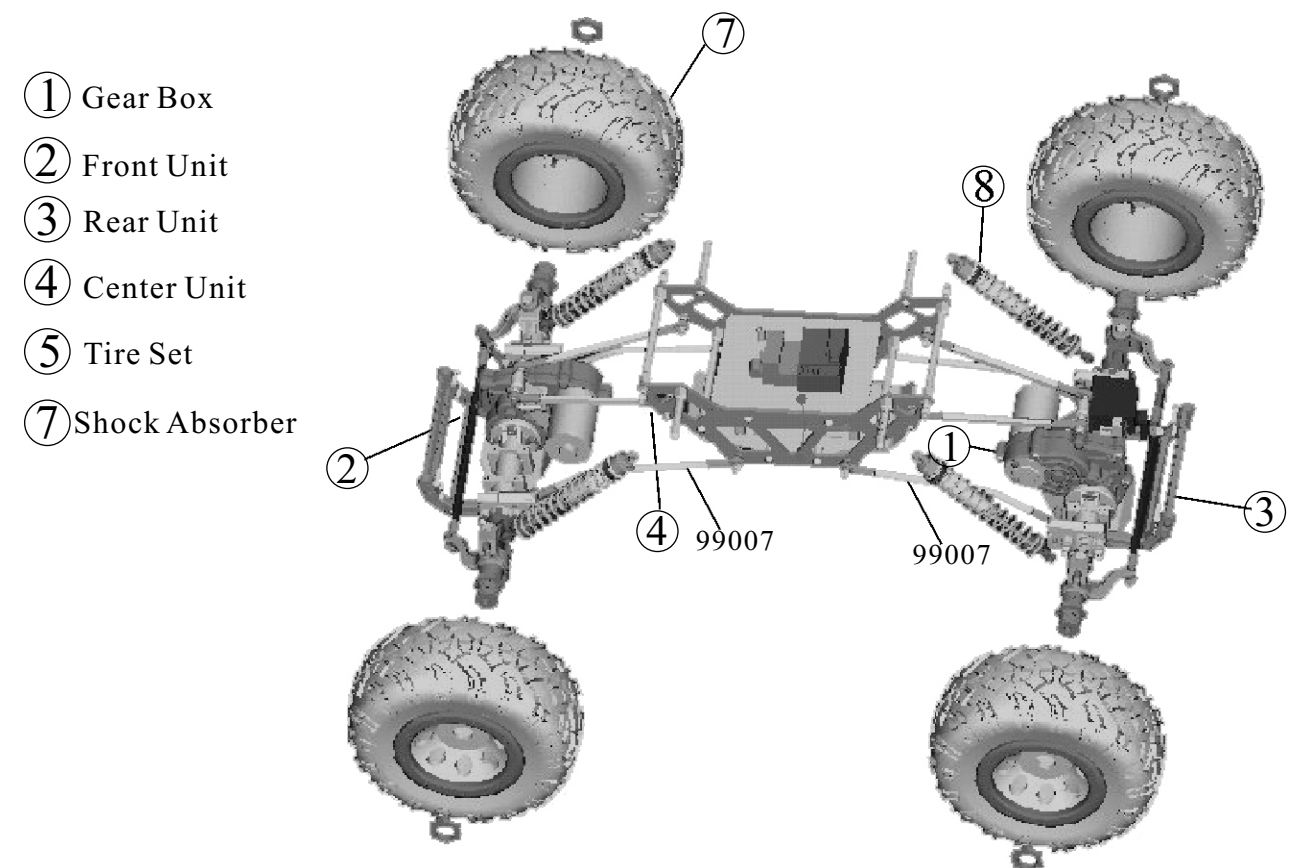
- 1.Pull your transmitter trigger back to expect your car to go forward.in this way,LED is supposed to blink slowly in red.As the running speed of your Car rises,LED blink faster.If the full speed reaches,LED will become steady in red.
- 2.Push the trigger outward to stop the car immediately(breaking).LED 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 pull outed 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.



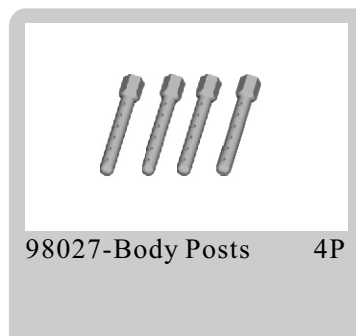
94880 Version(A) Exploded View



T2 T3 T6 Version(B)/Extra Longer Version(C) Exploded View



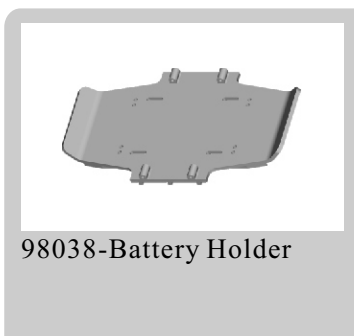




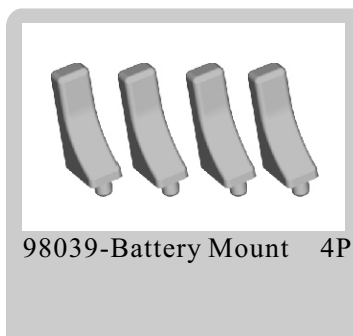
98027-Body Posts 4P



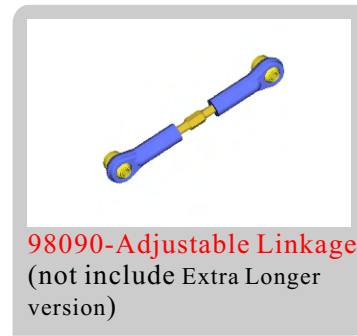
98037-Receiver Mount



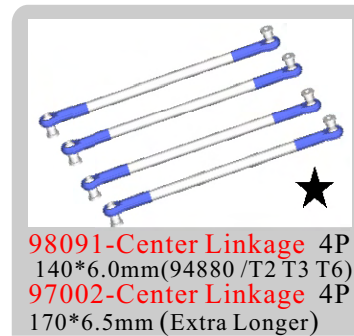
98038-Battery Holder



98039-Battery Mount 4P



98090-Adjustable Linkage  
(not include Extra Longer version)



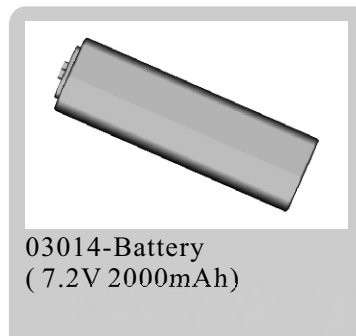
98091-Center Linkage 4P  
140\*6.0mm(94880 /T2 T3 T6)  
97002-Center Linkage 4P  
170\*6.5mm (Extra Longer)



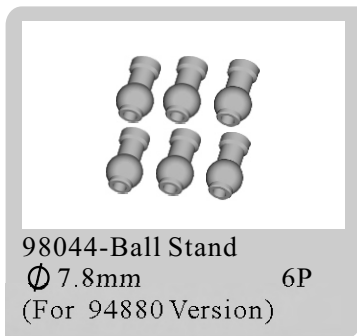
98092-Conner Linkage  
210\*6. 0mm 2P



98031-Drive Left Shaft  
(short) 2P



03014-Battery  
(7.2V 2000mAh)



98044-Ball Stand  
Φ 7.8mm 6P  
(For 94880 Version)



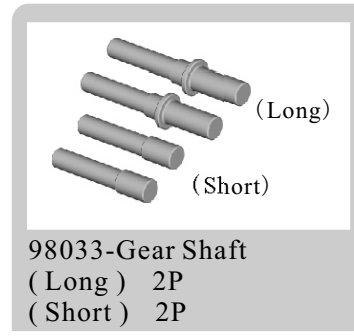
98064-Round Head  
Screw 3\*12 8P



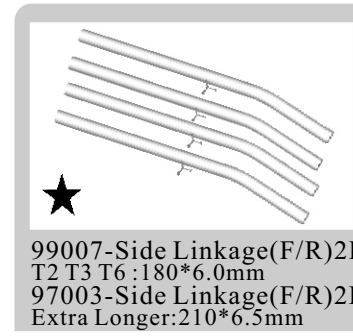
98068-Round Head  
Screw 3\*8 8P



98032-Drive Right Shaft  
(long) 2P



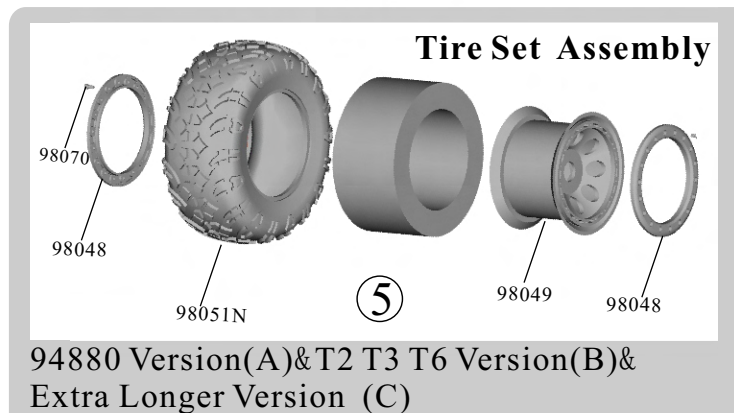
98033-Gear Shaft  
( Long ) 2P  
( Short ) 2P



99007-Side Linkage(F/R)2P  
T2 T3 T6 :180\*6.0mm  
97003-Side Linkage(F/R)2P  
Extra Longer:210\*6.5mm



98024-Suspension Arm  
(F/R) (For 94880 version)  
4P



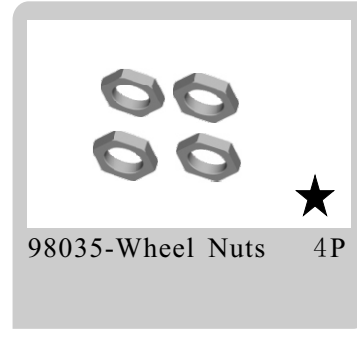
94880 Version(A)&T2 T3 T6 Version(B)&  
Extra Longer Version (C)



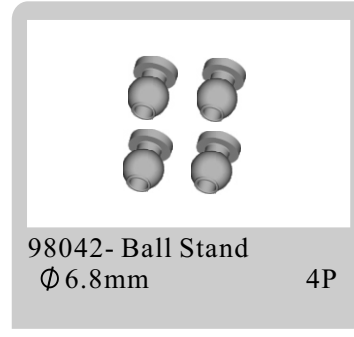
98048-Tire Secure Ring  
( 18 holes ) 8 P  
(For 94880 Version)



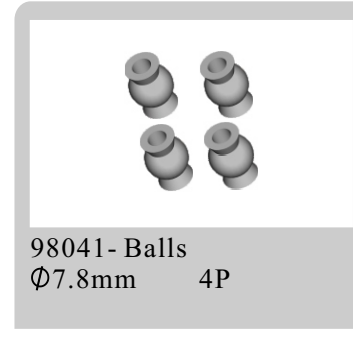
98050-Pre-Mounted Tire  
Set ( left ) 2P  
( right ) 2P



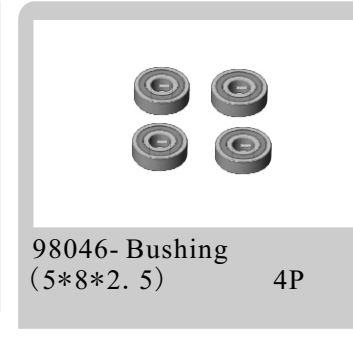
98035-Wheel Nuts 4P



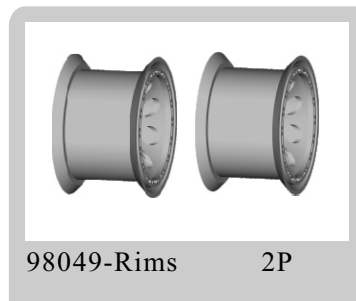
98042- Ball Stand  
Φ 6.8mm 4P



98041- Balls  
Φ7.8mm 4P



98046- Bushing  
(5\*8\*2. 5) 4P



98049-Rims 2P



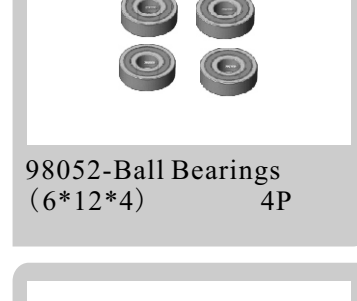
94051N-Tire w/Foam 2P



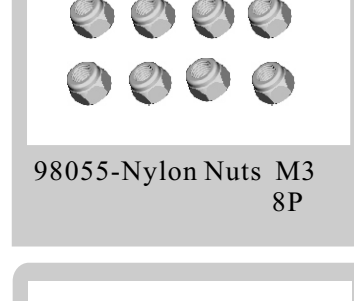
99005-Tire Secure Ring  
(9 holes) 8 P  
(T2 T3 T6/Extra Longer Version)



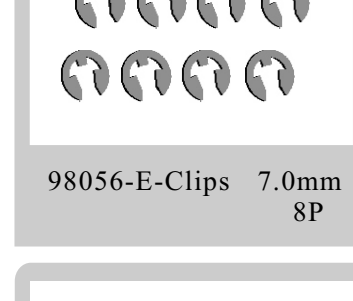
99006-Pre-mounted tire  
set ( left ) 2P  
( right ) 2P



98052-Ball Bearings  
(6\*12\*4) 4P



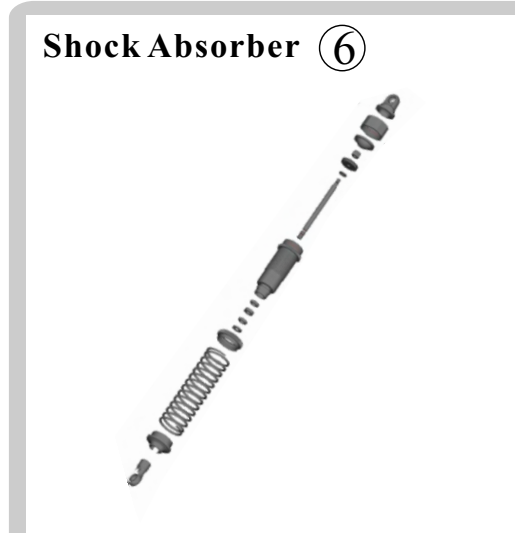
98055-Nylon Nuts M3  
8P



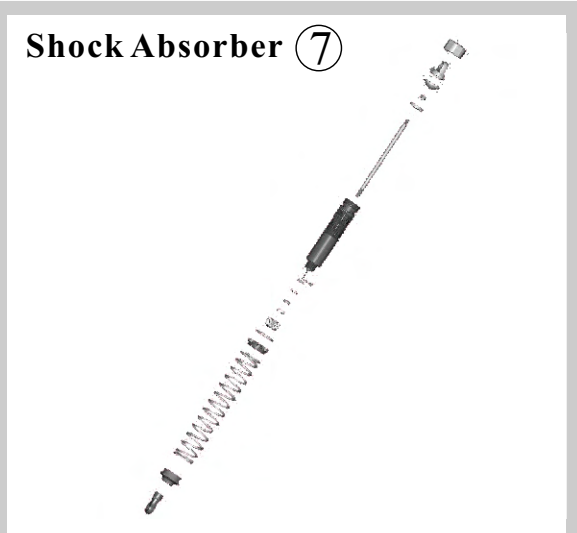
98056-E-Clips 7.0mm  
8P



98084-Repairing Kit 4P



94880 Version(A)

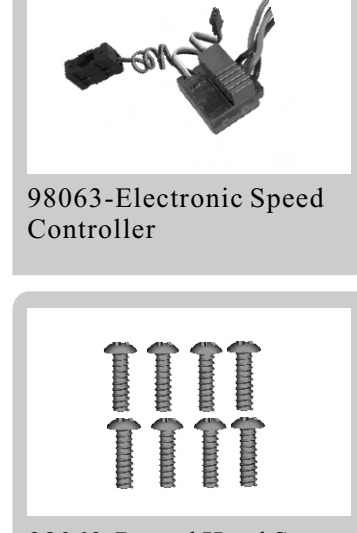


T2 T3 T6 (B)&Extra Longer(C)Version



98002- Shock Absorber  
Set(F/R) 4P  
(For 94880 Version)

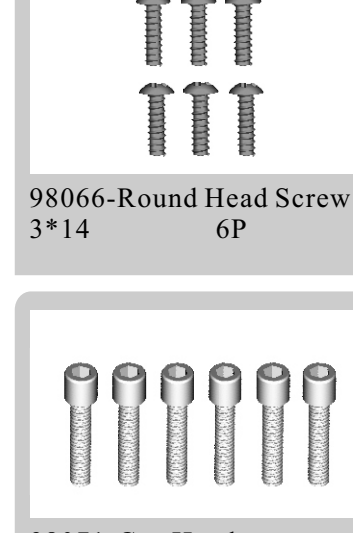
97001-Shock Absorber Set  
(F/R)170mm(Extra Longer)



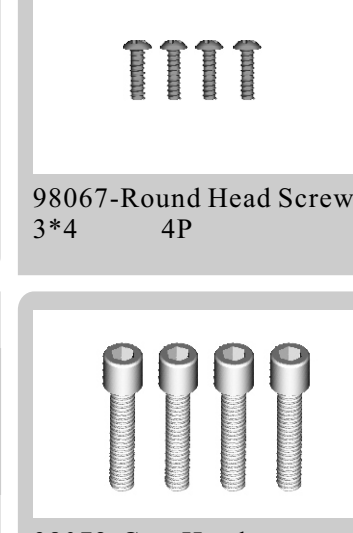
98063-Electronic Speed  
Controller



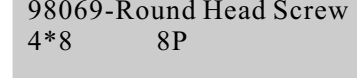
98065-Round Head Screw  
3\*18 6P



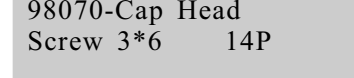
98066-Round Head Screw  
3\*14 6P



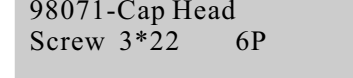
98067-Round Head Screw  
3\*4 4P



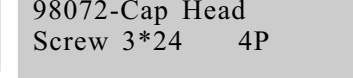
98069-Round Head Screw  
4\*8 8P



98070-Cap Head  
Screw 3\*6 14P



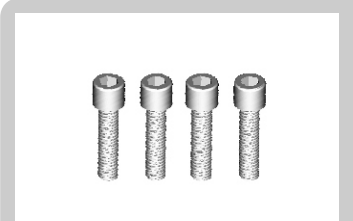
98071-Cap Head  
Screw 3\*22 6P



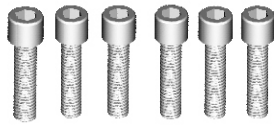
98072-Cap Head  
Screw 3\*24 4P



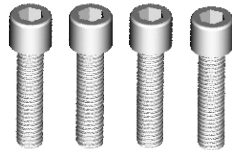
94880(A)/T2 T3 T6(B)/Extra longer version(C) Upgradable Optionals



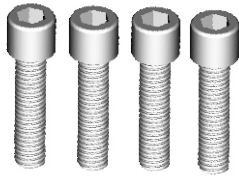
98073-Cap Head  
Screw 4\*12 4P



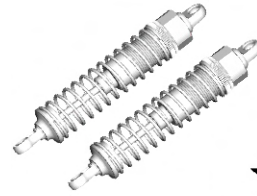
98078-Cap Head  
Screw 3\*18 6P



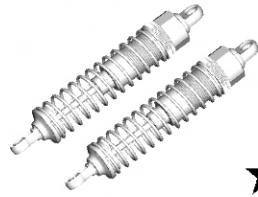
98079-Cap Head  
Screw M3\*28 4P



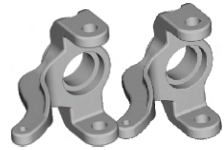
98080-Cap Head  
Screw 3\*44 4P



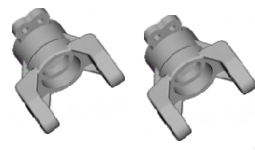
880001-Alum. Shock  
Absorber(F/R) 4P  
(For 94880 version)



990001-Alum. Shock  
Absorber(F/R) 4P  
(For T2 T3 T2/Extra longer  
Version)



880003-Alum. Steering  
Arm (left) 2P  
(right) 2P



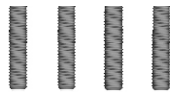
880002-Alum. Caster  
Mounts 4P



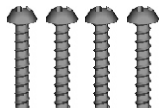
98075-Countersink Head  
Screw 4\*24 8P



98076-Countersink Head  
Screw M4\*14 4P



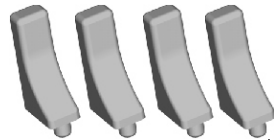
98058-Set Screws  
3\*25 4P



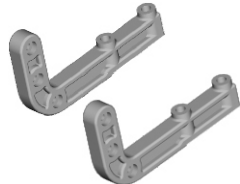
98081-Round Head  
Screw 4\*20 4P



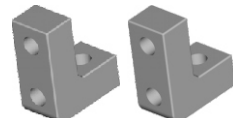
880004-Alum. Suspension  
Arm(F/R) 4P



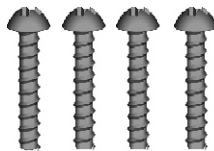
880005-Alum. Battery  
Mount 4P



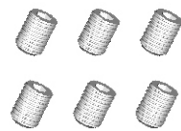
880006-Alum. Bumper  
Post Mount 4P



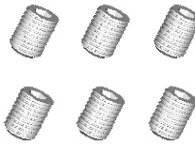
880007-Alum. Servo  
Mount 2P



98082-Round Head  
Screw 3\*28 4P



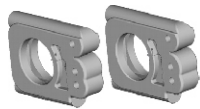
98085-Set Screws 3\*4 6P



85834-Set Screws  
M5\*4 6P



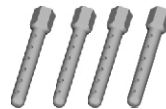
85734-Body pins 6P



880008-Alum. Susp. Arm  
Mount(F/R) 4P



880010-Alum. Link  
Mount 2P



880009-Alum. Body  
Posts 4P



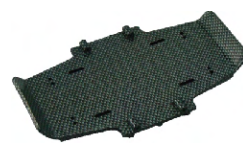
880018-Alum Wheel  
Weight Set 220g 4P



880014-Aluminum Tire  
Secure Ring 2P



98037C-Carbon Color  
Receiver Mount



98038C-Carbon Color  
Battery Mount



98011C-Carbon Color  
Gear Box




98049C-Carbon Color  
Rims 2P

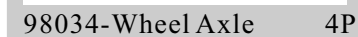
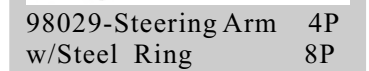
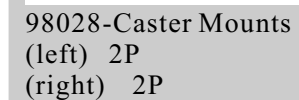
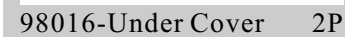
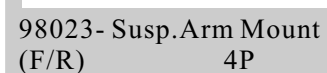
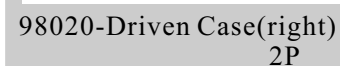
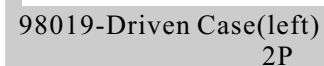
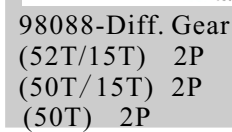
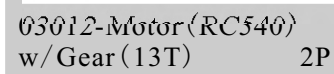
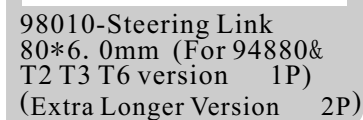
Please notice that the parts images with ★ have several kinds of different colors when place your order.

■ T2(Orange)	T6(Green)
■ T3(Blue)	Extra longer Version(Titanium)

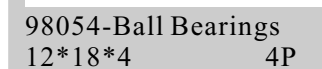
■ T2(Orange)      T6(Green)  
■ T3(Blue)      Extra longer Version(Titanium)



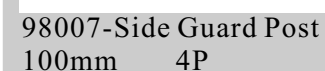
98011-Gear Box	2P
w/Gear Box Cover	2P
w/Motor Plate	2P



98053-Ball Bearings  
8\*16\*5 8P

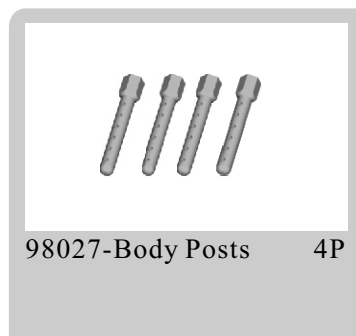


98006-Side Guard 2P



94880 Version(A)/T2 T3 T6 Version(B)/Extra Longer Version(C)

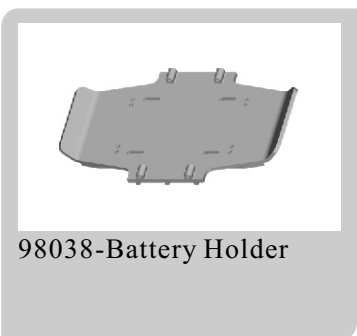




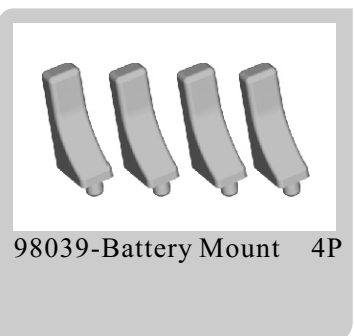
98027-Body Posts 4P



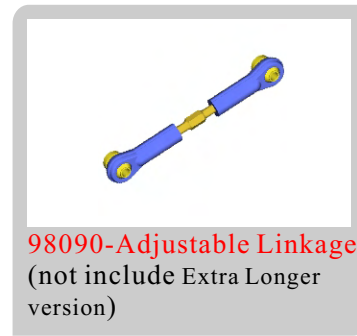
98037-Receiver Mount



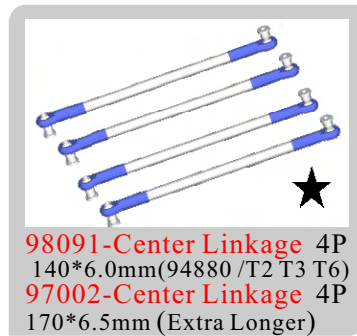
98038-Battery Holder



98039-Battery Mount 4P



98090-Adjustable Linkage  
(not include Extra Longer version)



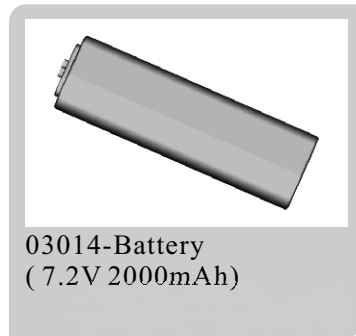
98091-Center Linkage 4P  
140\*6.0mm(94880 /T2 T3 T6)  
97002-Center Linkage 4P  
170\*6.5mm (Extra Longer)



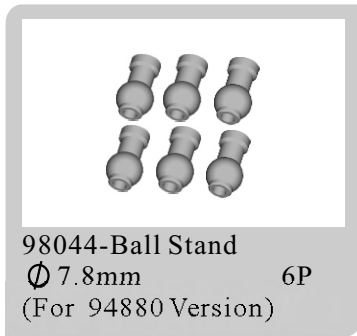
98092-Conner Linkage  
210\*6. 0mm 2P



98031-Drive Left Shaft  
(short) 2P



03014-Battery  
(7.2V 2000mAh)



98044-Ball Stand  
Φ 7.8mm 6P  
(For 94880 Version)



98064-Round Head  
Screw 3\*12 8P



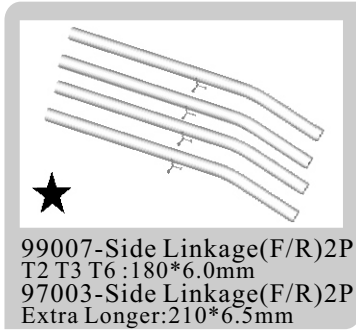
98068-Round Head  
Screw 3\*8 8P



98032-Drive Right Shaft  
(long) 2P



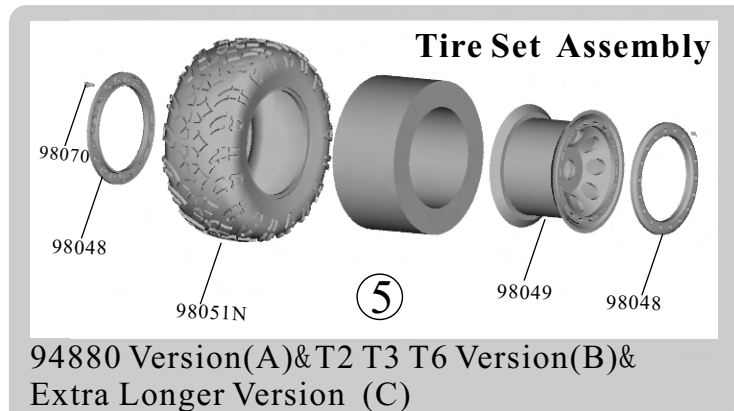
98033-Gear Shaft  
( Long ) 2P  
( Short ) 2P



99007-Side Linkage(F/R)2P  
T2 T3 T6 :180\*6.0mm  
97003-Side Linkage(F/R)2P  
Extra Longer:210\*6.5mm



98024-Suspension Arm  
(F/R) (For 94880 version)  
4P



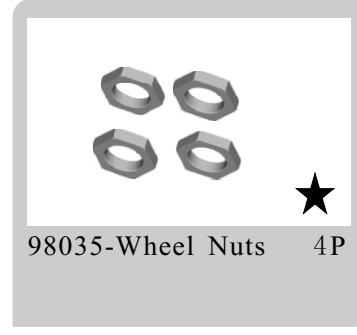
94880 Version(A)&T2 T3 T6 Version(B)&  
Extra Longer Version (C)



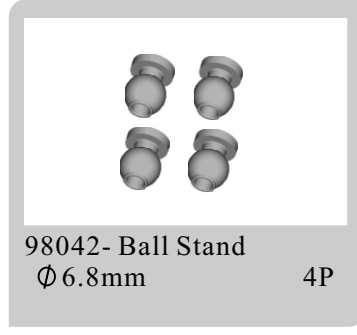
98048-Tire Secure Ring  
( 18 holes) 8 P



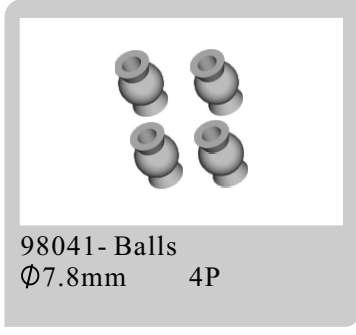
98050-Pre-Mounted Tire  
Set ( left ) 2P  
( right ) 2P



98035-Wheel Nuts 4P



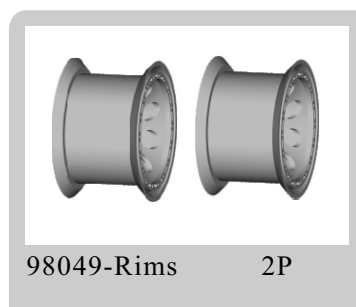
98042- Ball Stand  
Φ 6.8mm 4P



98041- Balls  
Φ7.8mm 4P



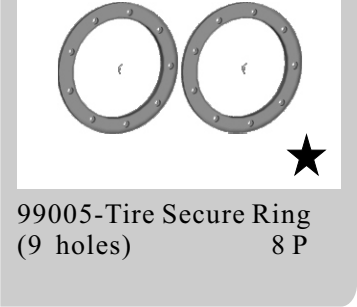
98046- Bushing  
(5\*8\*2. 5) 4P



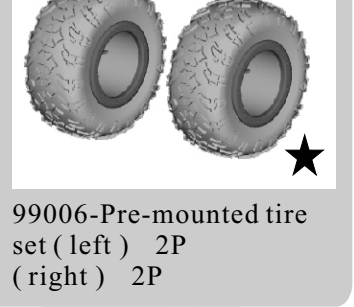
98049-Rims 2P



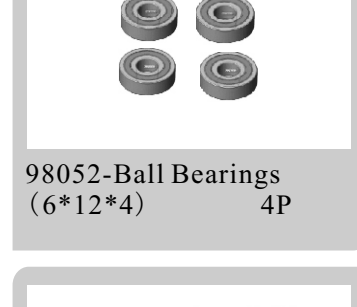
94051N-Tire w/Foam 2P



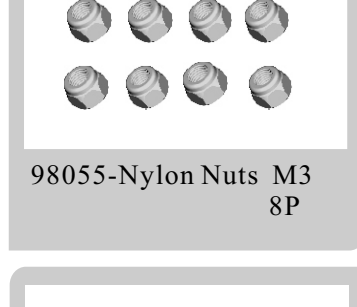
99005-Tire Secure Ring  
(9 holes) 8 P



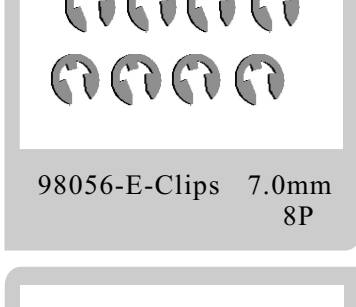
99006-Pre-mounted tire  
set ( left ) 2P  
( right ) 2P



98052-Ball Bearings  
(6\*12\*4) 4P



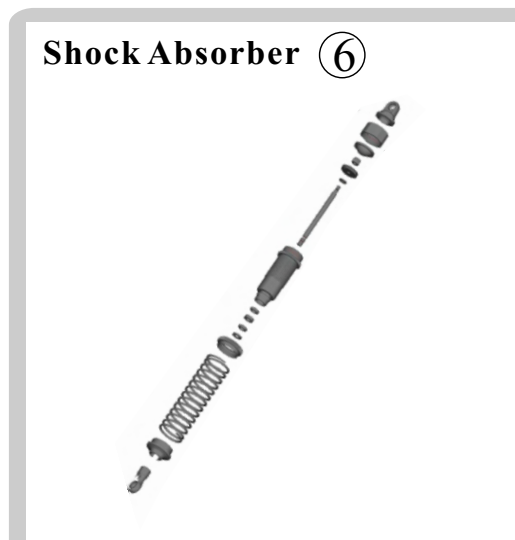
98055-Nylon Nuts M3  
8P



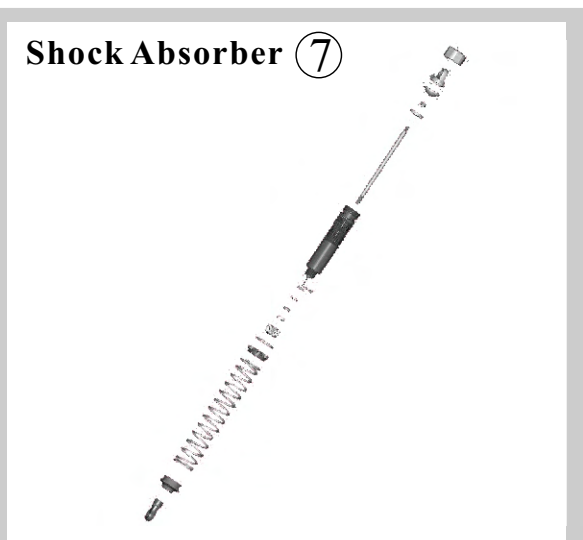
98056-E-Clips 7.0mm  
8P



98084-Repairing Kit 4P



94880 Version(A)



T2 T3 T6 (B)&Extra Longer(C)Version

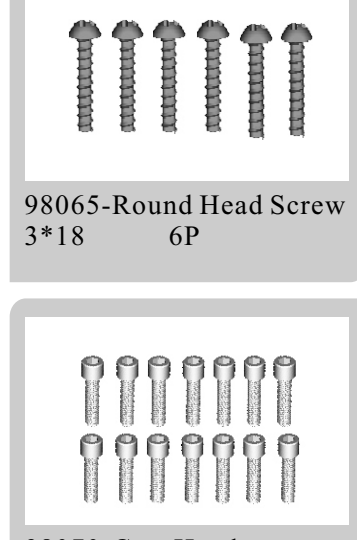


98002- Shock Absorber  
Set(F/R) 4P  
(For 94880 Version)

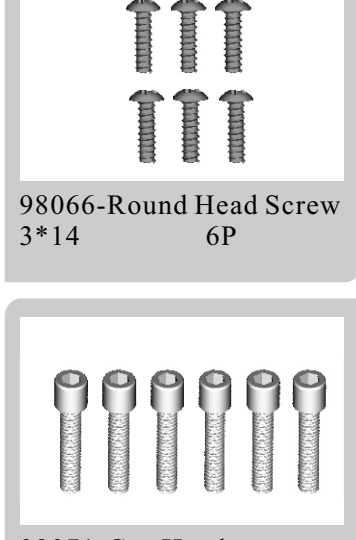
99002-Shock Absorber  
Set(F/R) 4P(For T2 T3 T6)  
97001-Shock Absorber Set  
(F/R)170mm(Extra Longer)



98063-Electronic Speed  
Controller



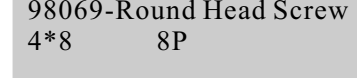
98065-Round Head Screw  
3\*18 6P



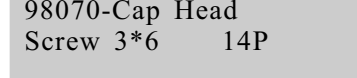
98066-Round Head Screw  
3\*14 6P



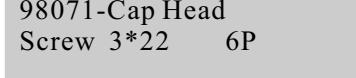
98067-Round Head Screw  
3\*4 4P



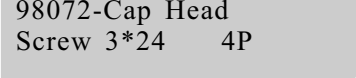
98069-Round Head Screw  
4\*8 8P



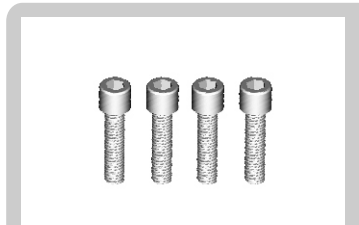
98070-Cap Head  
Screw 3\*6 14P



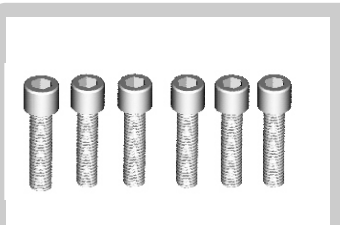
98071-Cap Head  
Screw 3\*22 6P



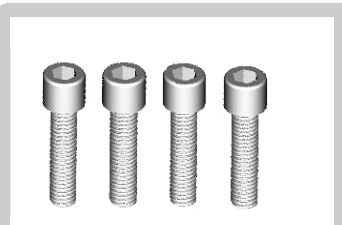
98072-Cap Head  
Screw 3\*24 4P



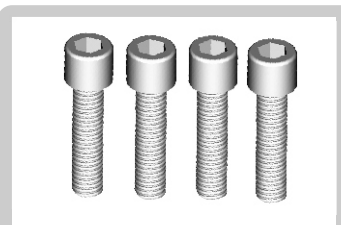
98073-Cap Head  
Screw 4\*12 4P



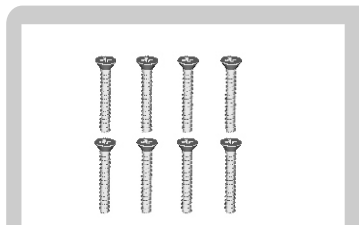
98078-Cap Head  
Screw 3\*18 6P



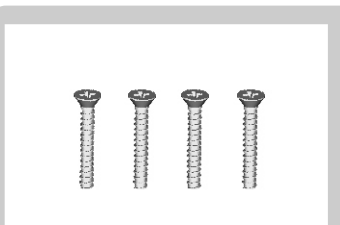
98079-Cap Head  
Screw M3\*28 4P



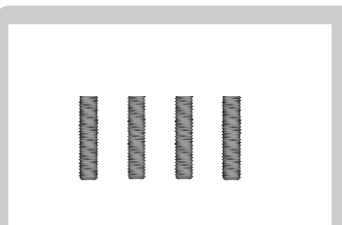
98080-Cap Head  
Screw 3\*44 4P



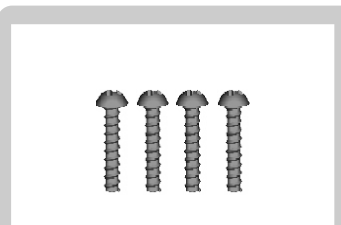
98075-Countersink Head  
Screw 4\*24 8P



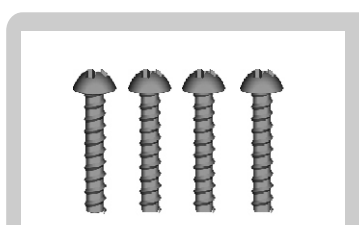
98076-Countersink Head  
Screw M4\*14 4P



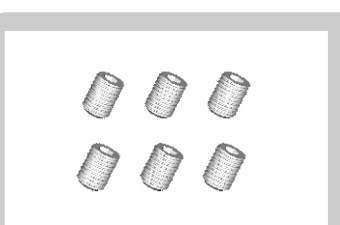
98058-Set Screws  
3\*25 4P



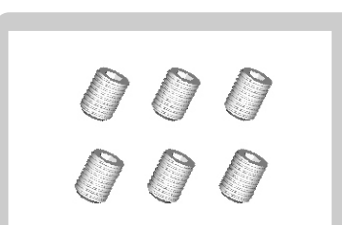
98081-Round Head  
Screw 4\*20 4P



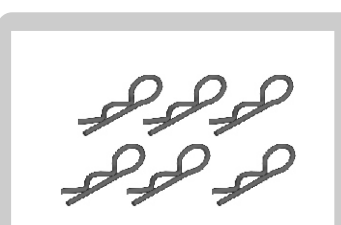
98082-Round Head  
Screw 3\*28 4P



98085-Set Screws 3\*4 6P

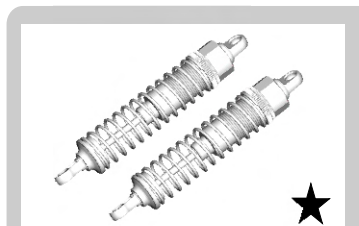


85834-Set Screws  
M5\*4 6P

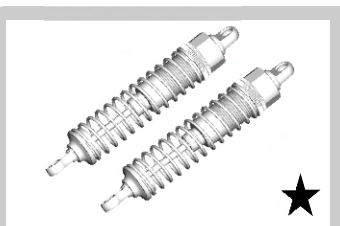


85734-Body pins 6P

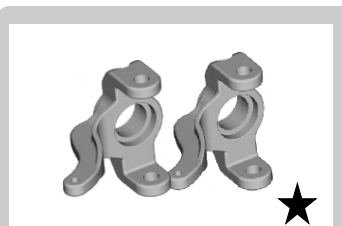
### 94880(A)/T2 T3 T6(B)/Extra longer version(C) Upgradable Optionals



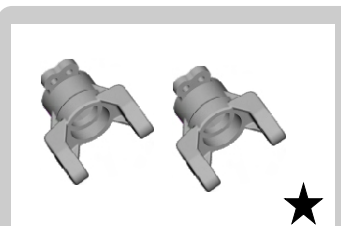
880001-Alum. Shock  
Absorber(F/R) 4P  
(For 94880 version)



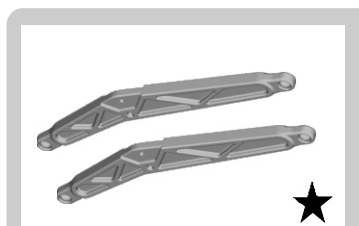
990001-Alum. Shock  
Absorber(F/R) 4P  
(For T2 T3 T2/Extra longer  
Version)



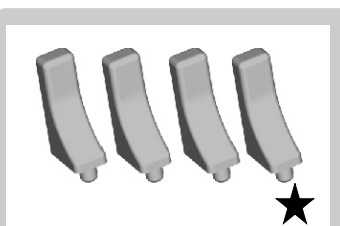
880003-Alum. Steering  
Arm (left) 2P  
(right) 2P



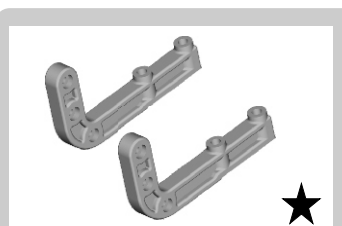
880002-Alum. Caster  
Mounts 4P



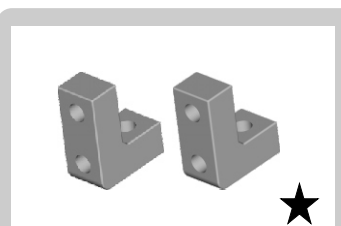
880004-Alum. Suspension  
Arm(F/R) 4P



880005-Alum. Battery  
Mount 4P



880006-Alum. Bumper  
Post Mount 4P



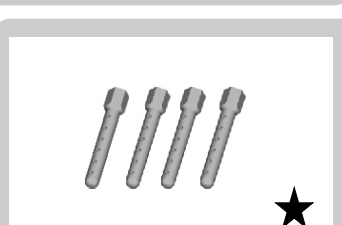
880007-Alum. Servo  
Mount 2P



880008-Alum. Susp. Arm  
Mount(F/R) 4P



880010-Alum. Link  
Mount 2P



880009-Alum. Body  
Posts 4P



880014-Alum. Wheel  
Weight Set 220g 4P