UNLIMITED CLASS ROCK CRAWLER 1/8

SERIE 3200 CRAWLER

INSTRUCTION MANUAL

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.**

ROHS 14+

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:

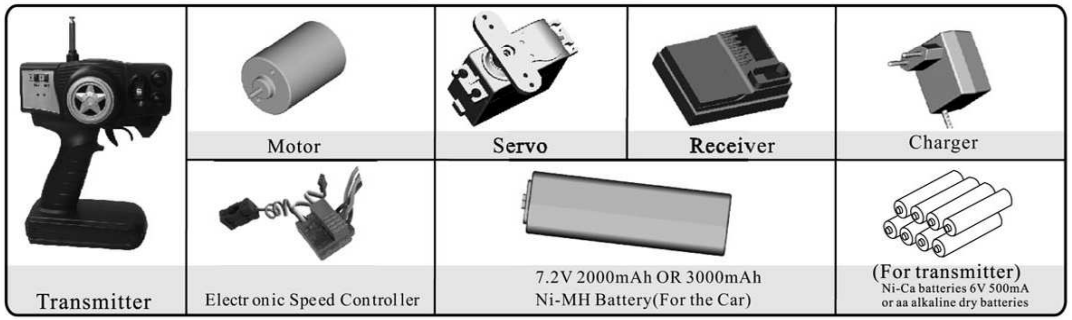
1.Independent front&rear gear box, Twin motor driven system.
2.Aluminum solid side guard.
3.Aluminum oil filled shock absorber.
4.The Car is equipped with lots of metal parts to keep the construction solidly.
5.1/8 the scale body design
6.High quality knobby off-road climbing tires.
7.The perfect design 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)
Height.....225mm(body excluded)
Wheel Diameter.....182mm
Wheel Width.....82mm
Motor.....RC540
Radio.....2CH*1Servo
Width.....375mm
Gear Ratio.....1:48.15
Wheelbase.....460mm
Weight.....5300g
Battery.....7.2V 2000mAh or 3000mAh

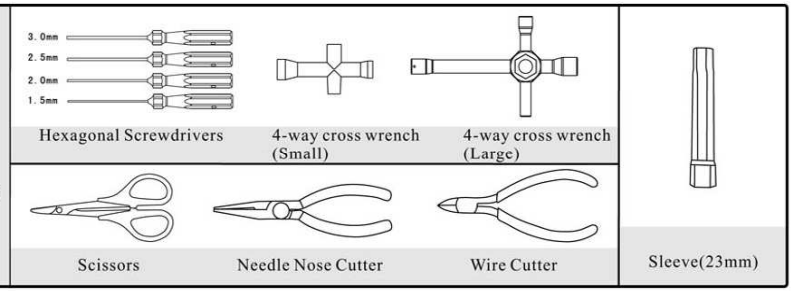
NOTICE FOR ASSEMBLY

Additional Items Needed For Running Your Model



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.



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.

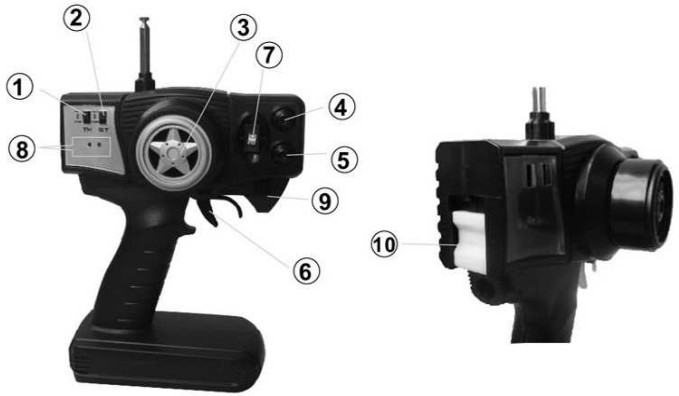
Replace the battery cover after eight AA batteries are installed.

Transmitter A

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.

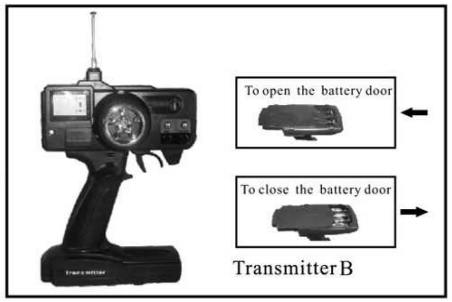
4. Push the trigger outward to stop the car immediately completely (breaking)

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.



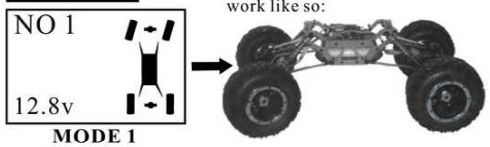
Full function AM radio controller

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

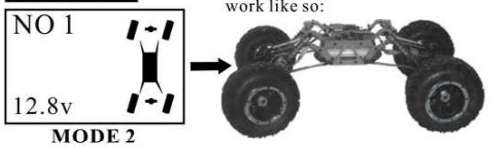


Your crawler will work like so:

MODE 1

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

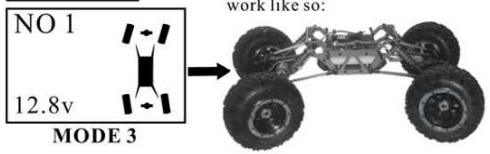


Your crawler will work like so:

MODE 2

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

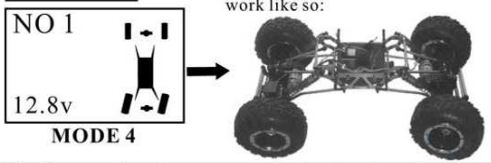


Your crawler will work like so:

MODE 3

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 trun right.

LCD Screen



Your crawler will work like so:

MODE 4

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.

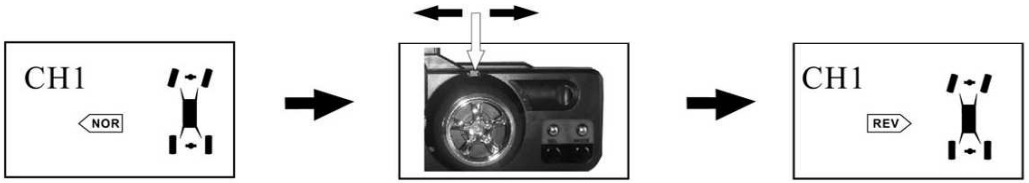
SEL funciton button

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

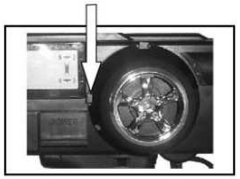
Steering Trim/Steering Reverse Function

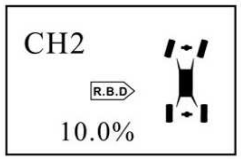
TRM.ST(Steering Trim)range is around 0-10.0% for both left and right steering on front wheels. Tune this switch to select your desired steering trim volume.

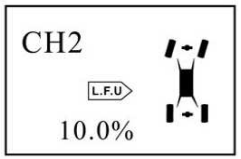
To switch to steering Reverse program:
Press **SEL**(Select Button)on your radio once,this LCD display appears Channel 1(NOR)
Tune the Switch(Steering Trim/Reverse Switch)to change NOR into the REV as shown below:



Throttle Trim/Throttle Reverse Switch

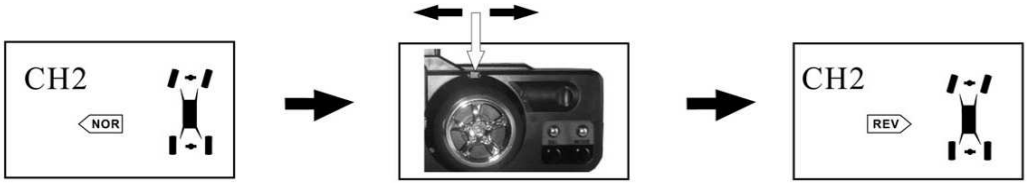






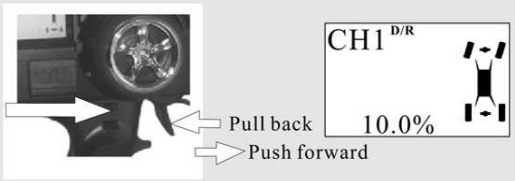
TRM.TH(THrottle Trim)range is around 0-10%.Tune this switch to select your desired throttle trim volume.

To switch to Throttle Reverse program:
Press SEL(Selecct 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:



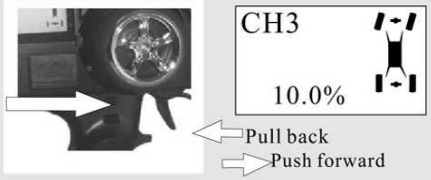
Steering Dual Rate Control Dial(D/R)

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.



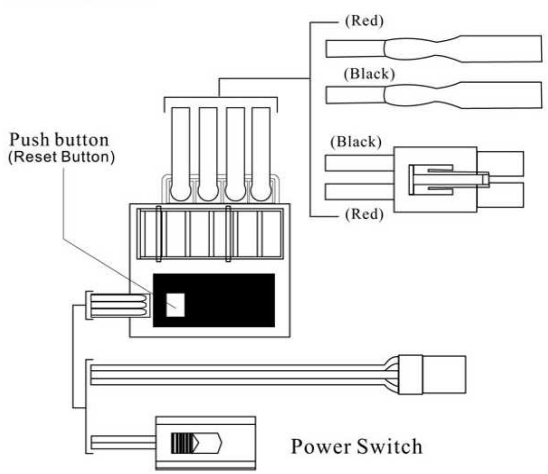
Electronic Speed Controller-ESC

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 simplied.,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



Motor Connector
Note: Red is "+",and Black is "-".
Reverse connectors if the motor works in the wrong direction.

Battery connector
Note: Red is "+",and Black is "-".

Receiver connector
It will be connected to the receiver throttle channel.

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 netural .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.

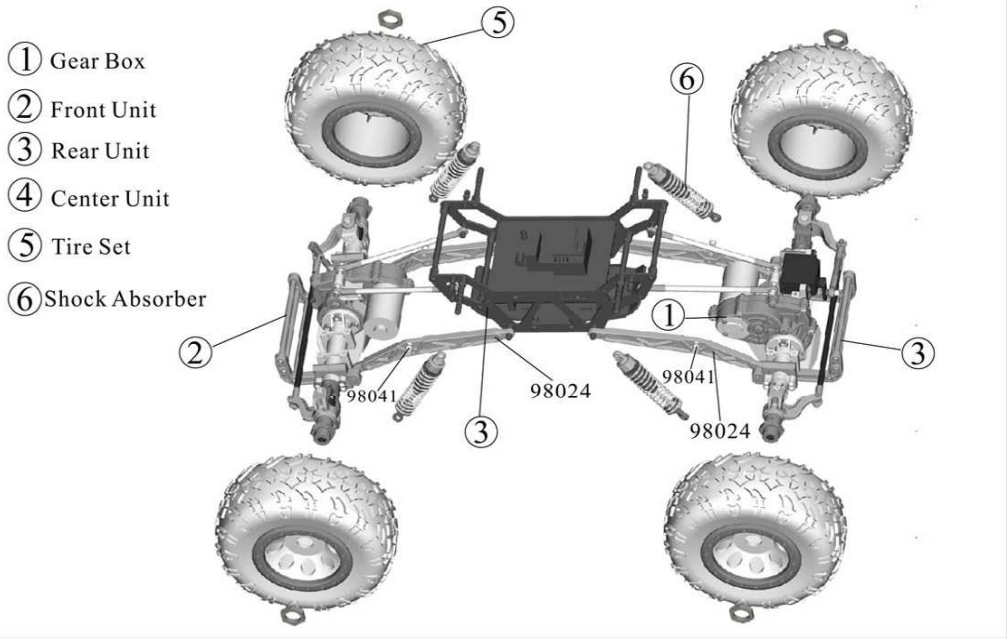
2.Push the trigger outward to stop the car immediately(breaking).LED blink slowly in red,If the full speed of brake reaches,LED will become steady in red.

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.

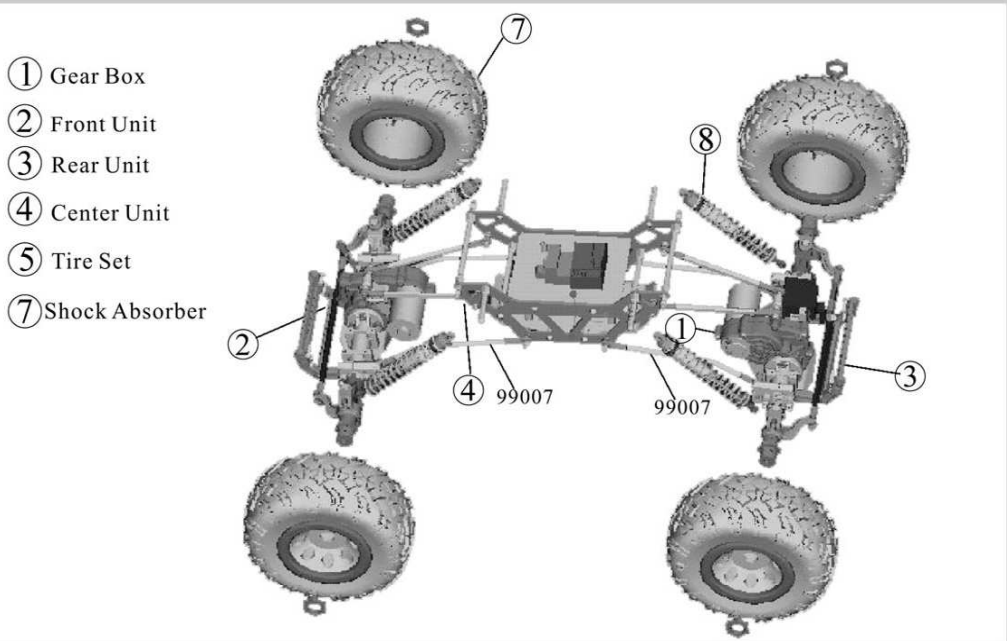
Note:

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

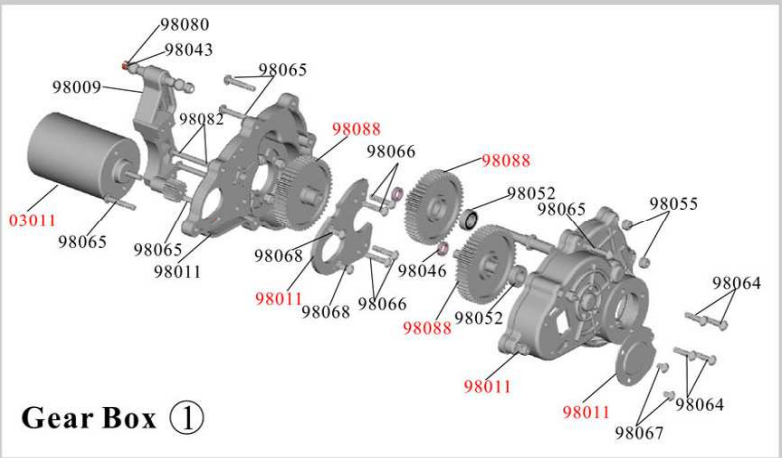


T2 T3 T6 Version(B)/Extra Longer Version(C) Exploded View

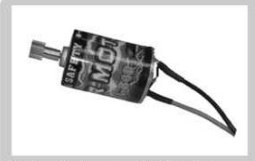
SPARE PART AND ASSEMBLY DIAGRAM

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)**



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



03012-Motor(RC540) w/Gear(13T) 2P

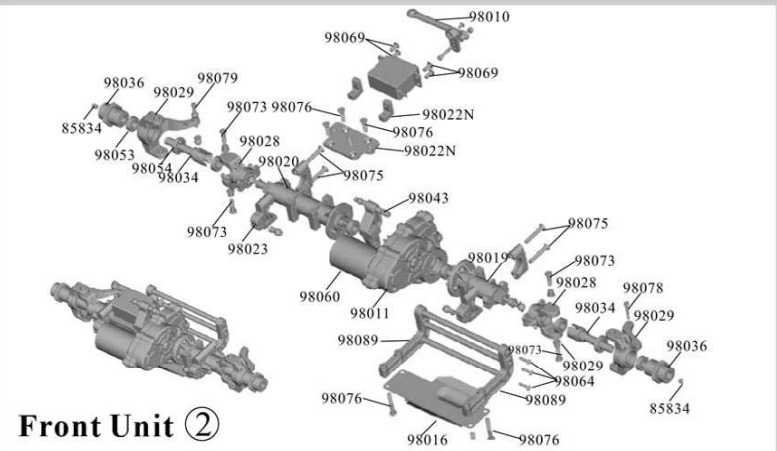
98088-Diff. Gear
(52T/15T) 2P
(50T/15T) 2P
(50T) 2P

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

98009-Link Mount 2P

98010-Steering Link 80*6. 0mm (For 94880& T2 T3 T6 version 1P)
(Extra Longer Version 2P)

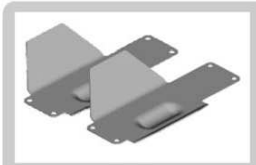
98019-Driven Case(left) 2P



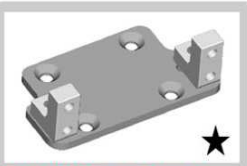
94880 Version(A)/T2 T3 T6 Version(B)/Extra Longer Version(C)

98020-Driven Case(right) 2P

98023- Susp.Arm Mount (F/R) 4P

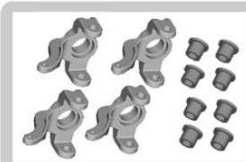


98016-Under Cover 2P

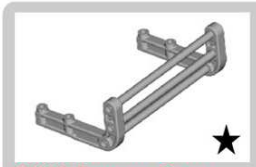


98022N-Servo Mount

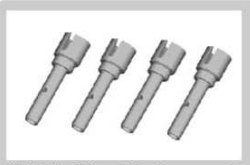
98028-Caster Mounts
(left) 2P
(right) 2P



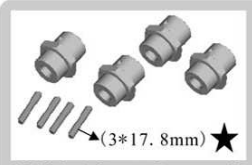
98029-Steering Arm 4P
w/Steel Ring 8P



98089-Bumper fixture Frame 2P

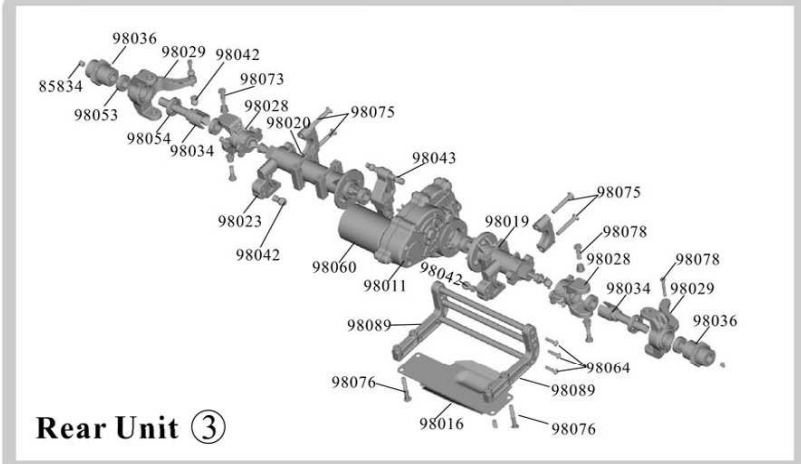


98034-Wheel Axle 4P



98036-Adapter Set 4P
w/Shaft Pins 4P

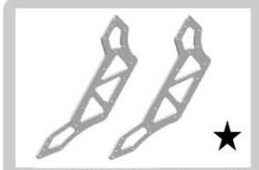
98043-Balls Stand
Φ 6.8mm 4P



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

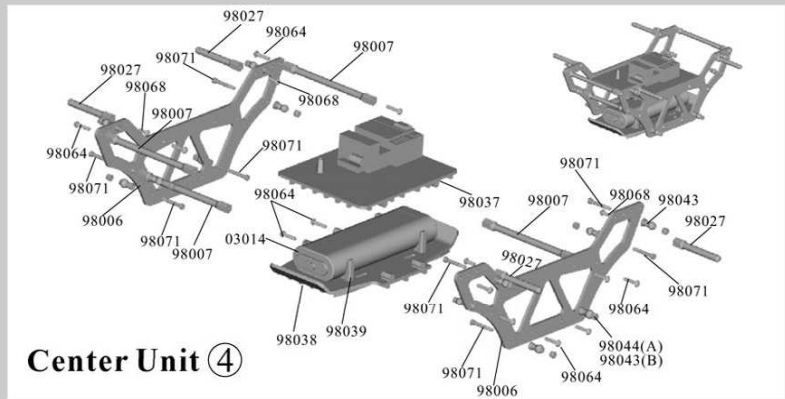
98053-Ball Bearings
8*16*5 8P

98054-Ball Bearings
12*18*4 4P



98006-Side Guard 2P

98007-Side Guard Post
100mm 4P



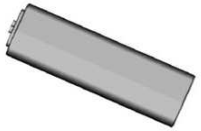
94880 Version(A)/T2 T3 T6 Version(B)/Extra Longer Version(C)

98027-Body Posts 4P

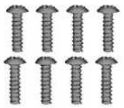
98037-Receiver Mount

98038-Battery Holder

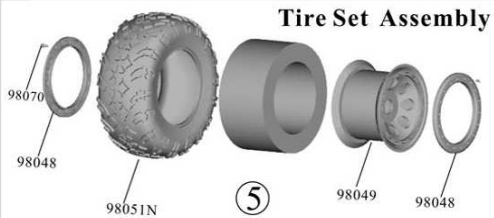
98039-Battery Mount 4P


03014-Battery
(7.2V 2000mAh)

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


98064-Round Head
Screw 3*12 8P

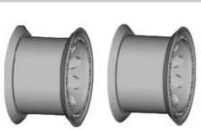
98068-Round Head
Screw 3*8 8P



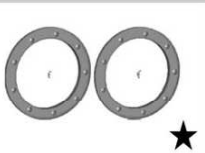
94880 Version(A)&T2 T3 T6 Version(B)&
Extra Longer Version (C)

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

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


98049-Rims 2P

94051N-Tire w/Foam 2P


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

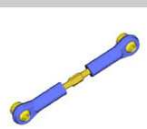
99006-Pre-mounted tire
set (left) 2P
(right) 2P

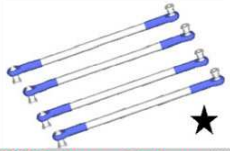
94880 Version(A)

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)

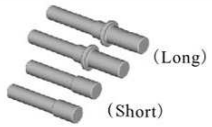

98090-Adjustable Linkage
(not include Extra Longer
version)


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

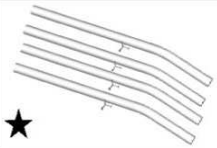
98092-Conner Linkage
210*6. 0mm 2P

98031-Drive Left Shaft
(short) 2P

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

98035-Wheel Nuts 4P

98042- Ball Stand
Φ6.8mm 4P

98041- Balls
Φ7.8mm 4P

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

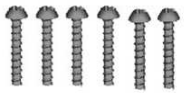
98052-Ball Bearings
(6*12*4) 4P

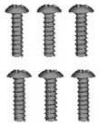
98055-Nylon Nuts M3
8P

98056-E-Clips 7.0mm
8P

98084-Repairing Kit
4P

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

SPARE PARTS FOR SERIE 3200

98073-Cap Head Screw 4*12 4P

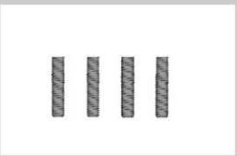
98078-Cap Head Screw 3*18 6P

98079-Cap Head Screw M3*28 4P

98080-Cap Head Screw 3*44 4P

98075-Countersink Head Screw 4*24 8P

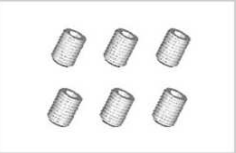
98076-Countersink Head Screw M4*14 4P


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

UP GRADE PARTS FOR SERIE 3200

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

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

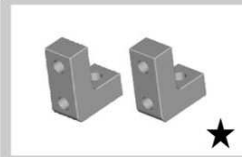
880003-Alum.Steering Arm (left) 2P (right) 2P

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

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