

MODEL: SHREDDER



SHREDDER



MAN-SHREDDER-2017.9.19

- To ensure that you are using the most recent version of this manual:
www.redcatracing.com/manuals/SHREDDERMANUAL.pdf
- To ensure that you have the most recent version of the Electronic Vehicles Manual:
www.redcatracing.com/manuals/ELECTRIC-MANUAL.pdf

FEATURES & SPECIFICATIONS

- 1300KV Brushless Electric Motor
- Brushless 80A ESC
- Forward & Reverse
- 4 Wheel Drive
- Aluminum Capped Oil Filled Big Bore Shocks
- 2.4GHz Radio System

- Scale: 1/6
- Length: 670mm
- Width: 430mm
- Height: 230mm
- Wheelbase: 480mm
- Ground Clearance: 76mm

Vehicle Battery Capabilities

Minimum LIPO voltage: 11.1V

Maximum LIPO voltage: 14.4V

Warning: Exceeding the maximum battery voltage may cause damage to the motor and electronic components of this vehicle and will void the vehicle warranty.

VEHICLE OVERVIEW

A: On/Off Switch

B: 2.4GHz Receiver

C: ESC

D: Electric Motor

E: Steering Servo

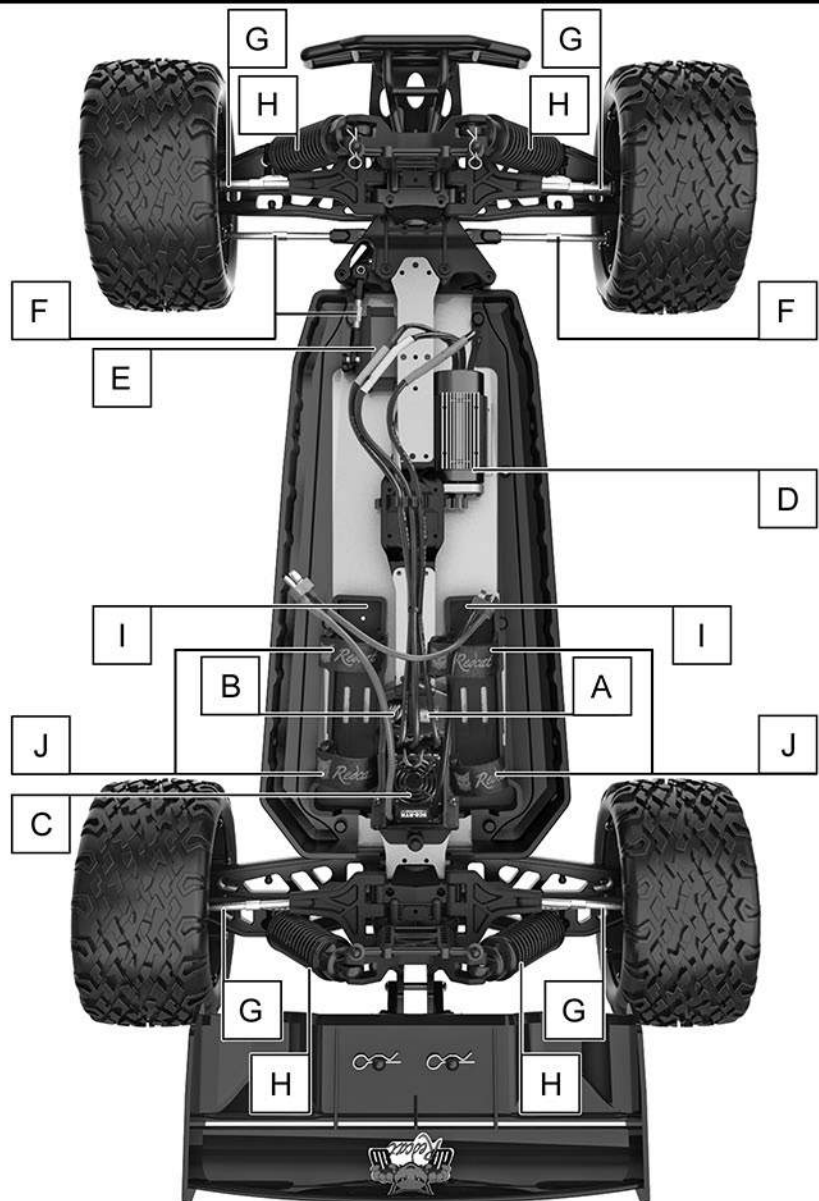
F: Steering Linkage

G: Upper Suspension Link

H: Oil Filled Shocks

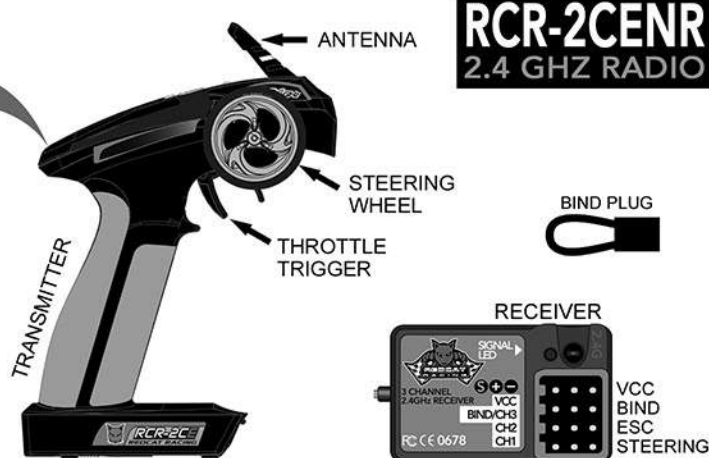
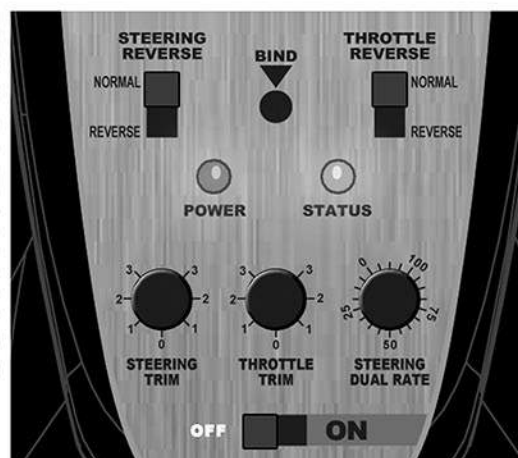
I: Battery Boxes

J: Battery Straps



RADIO GUIDE

CONTROL PANEL



RCR-2CENR
2.4 GHZ RADIO

RADIO:

Steering Reverse Switch: Top left switch. Used to change steering orientation. If the car turns right when you steer left, flip this switch.

Throttle Reverse Switch: Top right switch. Used to change throttle trigger orientation. If the car goes in reverse while you pull the throttle trigger, flip this switch.

Power LED: Left LED light. Lights up when the transmitter is turned on.

Status LED: Right LED light. Lights up green when transmitter batteries are full. Flashes when transmitter batteries are low and need replacing.

Bind Button: Used to bind the transmitter to the receiver. See binding instructions.

Steering Trim: Left knob. Used to set the steering neutral point. If the vehicle veers in one direction while the steering wheel is centered, turn this knob in the opposite direction until the car drives straight.

Throttle Trim: Middle knob. Used to set the throttle neutral point. If the vehicle moves forward or reverse while the throttle trigger is centered, turn this knob until the vehicle remains still. For maximum setting, turn slowly until the vehicle creeps forward, then turn the knob the opposite direction until the car stops.

Steering Dual Rate: Right knob. Used to limit the amount of steering. 0= little/no steering & 100= maximum steering. Set the knob to the amount of steering you feel comfortable with. If the vehicle has a tendency to spin out, lower the steering rate.

On/Off Switch: Bottom switch. Turns transmitter On and Off.

RECEIVER:

VCC: Not used.

Bind/Ch3: Used when binding to transmitter. Used for 3rd channel when needed.

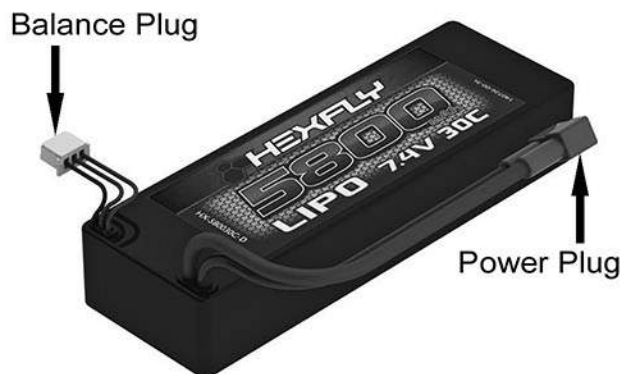
Ch2: Used for Electronic Speed Controller.

Ch1: Used for steering servo.

BINDING:

1. Insert the BIND PLUG into the receiver BIND port.
2. Make sure your ESC is plugged into CH2, and insert the bind plug into BIND/CH3. Now, power the vehicle on and the receiver light should begin to blink red.
3. Press the BIND button in the center of the transmitter's Control Panel and turn on radio.
4. Release the bind button when you see the green light on the radio flashing. At this point, your receiver's LED should now be solid red. Turn off the power to your vehicle, as well as the radio.
5. Remove the BIND PLUG from the receiver. Make sure the servos and ESC are attached as described above.
6. First turn your radio on, then your vehicle as normal. Your radio and receiver should be bound together and communicating with each other.

CHARGING BATTERIES



Batteries and charger not included

ATTENTION:

It is important to read all instructions included with your battery and charger before attempting to charge a battery. Follow all instructions and warnings included with your battery and charger when using batteries.

LIPO Balance Plug: This plug **MUST** be plugged into a LIPO balance charger to charge your LIPO battery. Never attempt to quick charge LIPO batteries using the power plug.

Power Plug: This plug is used to power the vehicle and gets plugged into the ESC. On a LIPO battery, Make sure to unplug this plug from the ESC **BEFORE** plugging the Balance Plug into a charger.

Battery Connection Instructions:

Make sure battery connectors are fully pushed in when connecting the battery to the vehicle.

ATTENTION:

We recommend you only use quality batteries and chargers like Hexfly batteries and chargers in Redcat vehicles.

Recommended Charger:

HX-403 - LIPO balance charger

Recommended Batteries:

HX-580030C-D - Hexfly 5800MAH 7.4V 30C LIPO battery.

Charge Times:

Charge times vary according to charger current and battery mAh. **Battery mAh ÷ Charger mA = Approximate charge time**

Ex. 2000mAh battery ÷ 500 mA charger = ~4 hours charge time.

To convert milliamps (mA) to amps (A):

Divide the mA number by 1000.

ex. 900mA ÷ 1000 = 0.9A

BATTERY → CHARGER ↓	3200mAh	3500mAh	5000mAh	5800mAh
0.9 A	3.55 hrs	3.88 hrs	5.55 hrs	6.44 hrs
1.5 A	2.13 hrs	2.33 hrs	3.33 hrs	3.87 hrs
3.0 A	1.07 hrs	1.17 hrs	1.67 hrs	1.93hrs

STOP

WARNING

STOP

UNPLUG THE BATTERY PACK FROM THE VEHICLE! BEFORE CHARGING YOUR BATTERY PACK, YOU MUST FIRST UNPLUG IT FROM THE ESC. FAILURE TO UNPLUG THE BATTERY FROM THE VEHICLE'S ESC BEFORE CHARGING MAY PERMANENTLY DAMAGE SOME OR ALL ELECTRONICS IN THE VEHICLE.

NEVER LEAVE BATTERY PACKS UNATTENDED WHILE CHARGING! Leaving a battery unattended while charging may result in fire and damage / injury.

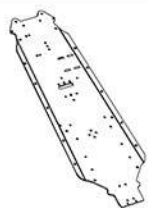
NEVER ALLOW A BATTERY PACK TO GET HOT! It's normal for the battery pack to get warm, but it should never get hot! Monitor batteries during charging and unplug to let cool if the battery gets hot.

WHEN CHARGING LIPOs, A LIPO SAFE CHARGING BAG SHOULD BE USED TO HELP PREVENT FIRES.

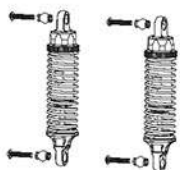
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Shredder

PARTS IDENTIFICATION



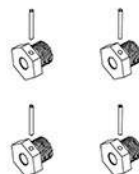
BS503-001 Chassis



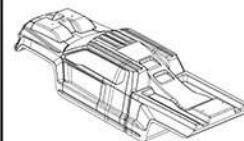
BS503-002 Shocks (2pcs)



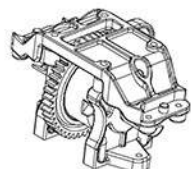
BS503-003 Shock Tower



BS503-004 Wheel Hex Hub (4pcs)



BS503-005RR Body



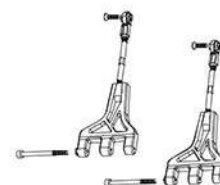
BS503-006 Middle Diff. Unit



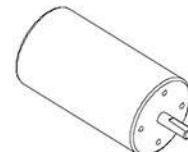
BS503-007 Diff Mounting Brace



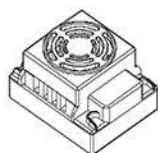
BS503-008 Rear Upper Deck



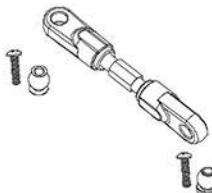
BS503-009 Upper Suspension Arms (2pcs)



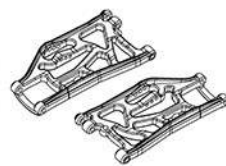
BS503-010 Brushless Motor 1300KV



HW-WP-SC8-RTR Brushless ESC 80A



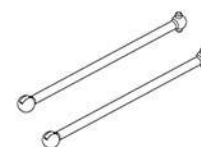
BS503-012 Steering Servo Link



BS502-005 Lower Suspension Arms Front (left/right)



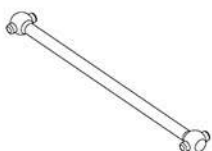
BS502-006 Lower Suspension Arms Rear (left/right)



BS502-007 Drive shafts (2pcs)



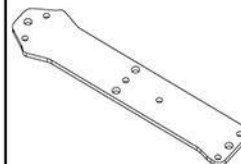
BS502-008 Steering Links



BS502-010 Center Drive Shaft Front



BS502-011 Center Drive Shaft Rear



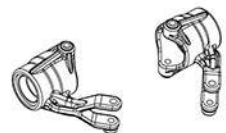
BS502-012AT Upper Deck Front

BS502-017 TM3*10mm B-Head Hex Screw (12pcs)
BS502-022 HM3*10mm B-Head Hex Screw (12pcs)

BS502-018 C Hub Unit Left



BS502-019 C Hub Unit Right



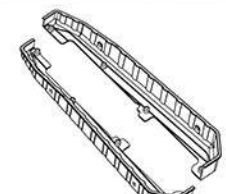
BS502-021 Steering Block (left/right)

BS502-023 HM3*12mm B-Head Hex Screw (12pcs)
BS502-024 HM3*14mm B-Head Hex Screw (12pcs)
BS502-025 HM3*20mm B-Head Hex Screw (12pcs)BS502-026 HM3*8mm B-Head Hex Screw (12pcs)
BS502-027 HM3*10mm Flat Hex Screw (12pcs)
BS501-058 B head hex fine pitch screws HM4*20 (12pcs)
BS501-064 B head Hex screw BM3*16 (12pcs)
BS502-032 HM3*16mm Flat Hex Screw (12pcs)

BS809-008 Axles (2pcs)



BS809-009AT Motor Heat Sink



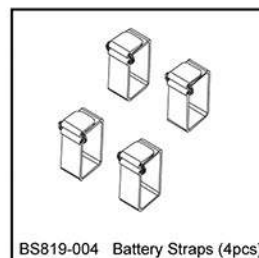
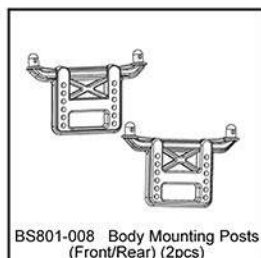
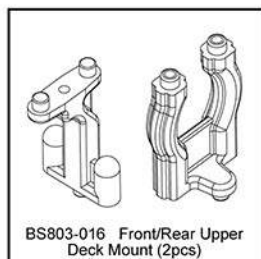
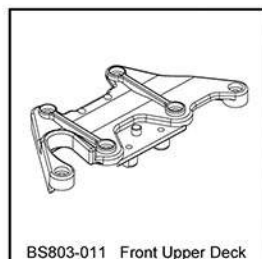
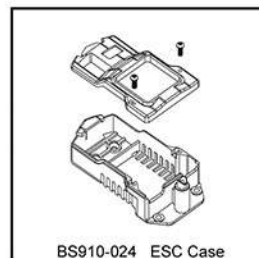
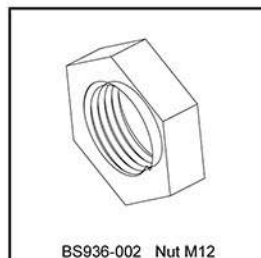
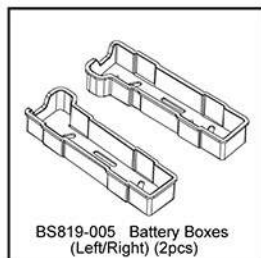
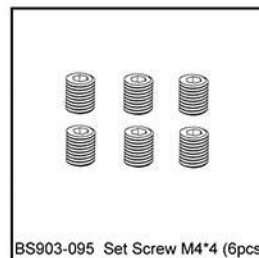
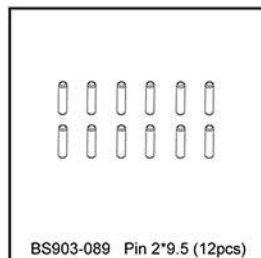
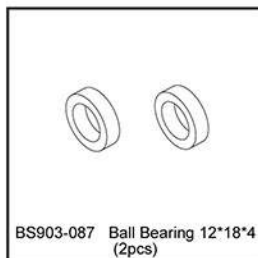
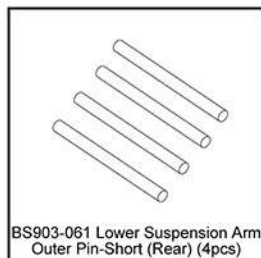
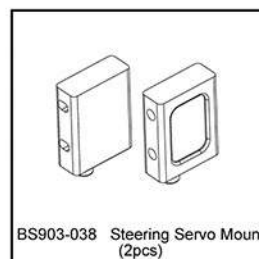
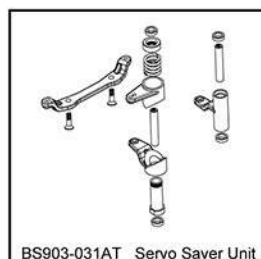
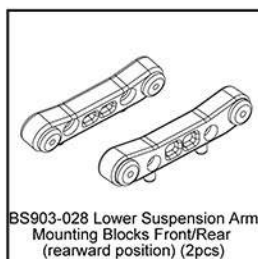
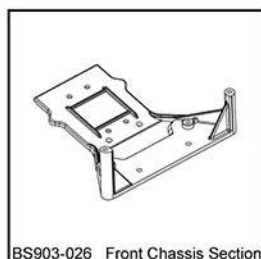
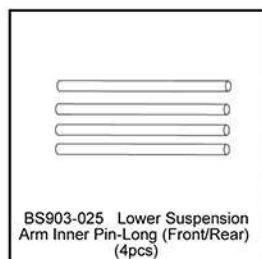
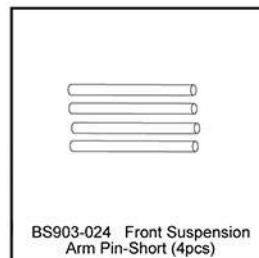
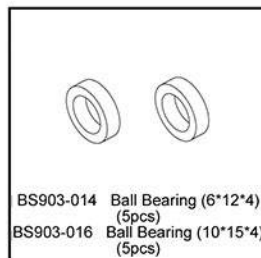
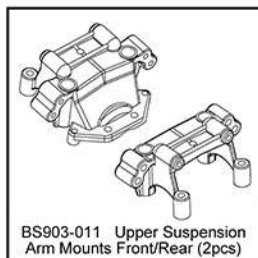
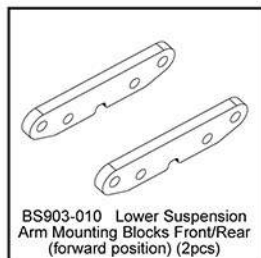
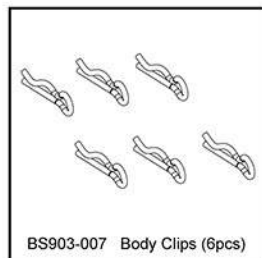
BS501-036 Chassis Sideguards (left/right) (2pcs)



BS501-055 Flat Head Hex Machine Screws HM4*12 (12pcs)

BS501-058 B Head Hex Machine Screws HM4*20 (12pcs)
BS501-064 B Head Hex Screw BM3*16 (12pcs)

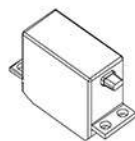
PARTS IDENTIFICATION



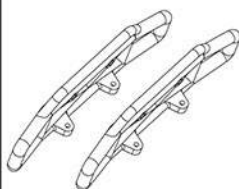
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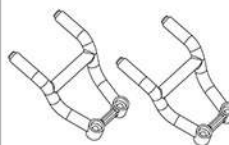
28480 2.4GHz Radio Receiver



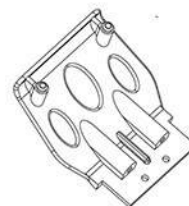
HX-15CS Steering Servo



BS904-003 Bumpers (2pcs)



BS904-004 Bumper Braces (2pcs)



BS904-005 Front Bumper Mount



RCR-2CENR 2.4GHz Radio Transmitter

PERFORMANCE UPGRADES



HX-403 LIPO Balance Charger

HX-580030C-D LIPO Battery
7.4V, 5800mAh, 30C



FAST  AFFORDABLE  FUN

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