REDCAT-RACING



Instruction Manual

Highlights:

• 4 Wheel Shaft-Drive System. • Ready Assemble Ready to Run. • High Performance RC-550 8515 Type Electric Motor, More Power! • 7.2v Ni-Mh 3800 mAh Rechargeable Battery, Long Running Time! • Assembled Chassis. • Colored Coil Spring Damped Suspension System. • Full Function Radio Controlled. • Waterproof and Dustproof Sealed Gearbox. • Fast Easy Assembly and Disassembly Receiver and Battery Cover. • Quality Differential with Four Bevel Gears. • Precise Sealed Ball Bearing for the Whole Model. • Aluminum Alloy Driveshafts.

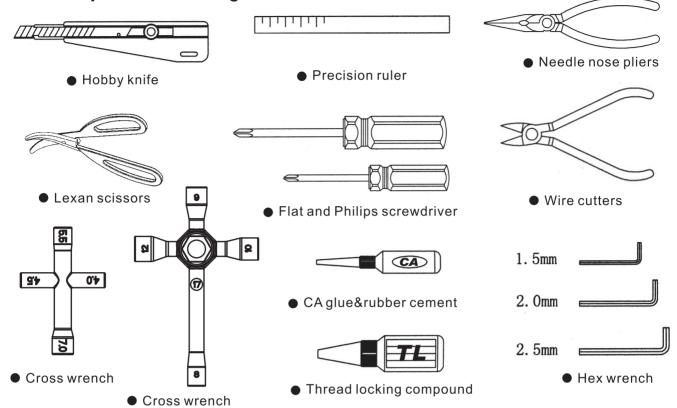
SAFETY PRECAUTIONS

- This radio controlled racing car is not a toy!
- This high-performance R/C model is recommended for ages 14 and older.
- First-time builders should seek the advice of experienced modellers before commencing assembly.
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!

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Required equipment for operation

1. Tools required for building and maintenance:



WARNING!

Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installation.

2. Additional items needed for operation:



IMPORTANT!!!

Check all the screws are tight before playing the car! Use thread lock on all screws that work loose.

Please read the instruction carefully before starting the assembly.

- 1.Please assemble and install this car without children's reach. As it includes small and sharp parts.
- 2.Do not run the car on public streets or highways. As it might cause serious accidents, personal injuries and property damage etc.
- 3. During the middle of racing and after operation, the engine and exhaust will become HOT. Therefore please do not touch them before cooling down.
- 4.Please make sure everyone is using different frequencies while racing the car in the same area.

2.4GHz radio instructions

Special symbols

Please pay attention to the following symbols, and read them carefully.



Danger: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Warning: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Attention: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger. but generally it will not cause serious injuries to the operator.

Safty guidelines

Don't drive the truck at night, bad weather such as rainy or thundering days. It will interfere the transmitter signal. Thereby it will cause out of control and unexpected accident.

Before you drive, please make sure the movement of servo corresponds with the direction of joysticks. If inconsistent, please adjust before drive.

You need to turn the throttle channel(ch2) and inching switch to the lowest before use. Then switch on the transmitter power, finally connect the receiver.

The sequence to shutdown is to turn off the receiver power first, and then the transmitter power.

If the above operations are reversed, it might lead to out of control and cause accident.

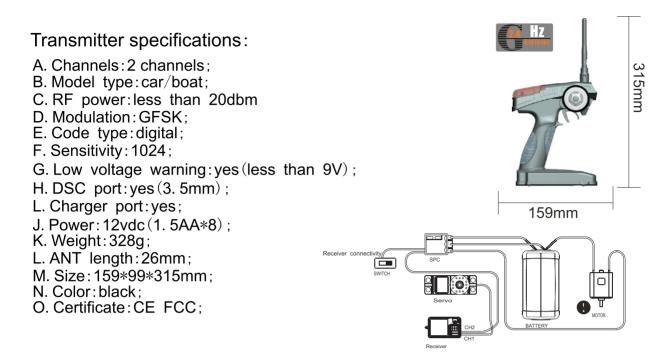
Battery charging



If your transmitter, receiver use a nickel-cadmium, nickel-metal hydride rechargeable battery, you have to check it before use. If lack of electricity, it could cause inadequate control or out of control, resulting in accident. So please charge it immediately when the battery power is low.

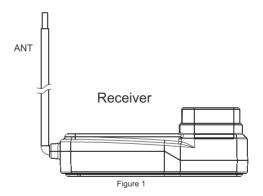


If you are using a nickel-cadmium, nickel-metal hydride batteries for recharging, please use a proper charger. If the electrical current is too large, it may lead to temperature over-heat and cause fire burning accident. Please cut off the power supply immediately after recharging. Please take out the battery from the transmitter when you are not using it within a period, because the battery may get damaged, thus being exposed.



Note:

Place the antenna of the receiver vertically with the truck! Don't put it close to the metal thing for assuring its sensitivity. (See Figure 1)



2. 4G Operation notes

Matching (code)

The transmitter and the receiver are well matched in the factory, you do not need to match them. But if you are going to match the receiver with another transmitter, or if you need to change a new receiver or transmitter, please follow these steps:

- A. Install the battery to 2.4G transmitter and shut it down.
- B. Insert the bind cable to the channel BIND/CH3 port of the receiver. (Figure.1)
- C. Connect the receiver battery to VCC port of the receiver, at the same time the two LEDs are flashing, this means the receiver is going to the matching status.
- D. Press and hold the button on the transmitter, and then switch on the power supply.
- E. Observe the LED on the receiver, if the LED does not flash anymore, that means the matching is successful. (This takes about 5s)
- F. Release the match button on the transmitter, take out the bind cable.
- G. Install the server and then test.
- H. If the test fails, please repeat the actions above.
- I. If the test succeeds, then insert the power supply port into VCC, match complete.



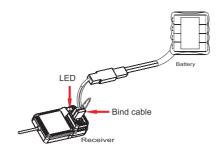
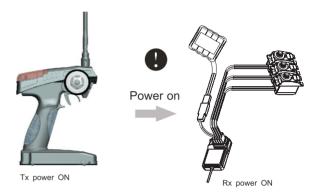


Figure 1

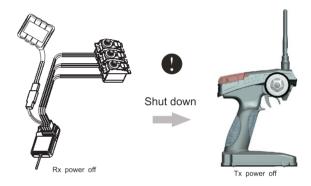
Connecting to the power

- A. Connect every part.
- B. Switch on the power supply of the transmitter.
- C. Connect the power supply of the receiver.
- D. Receive LED light solid.
- E. Finish and use.

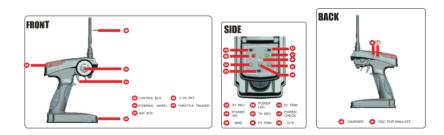


Shut down:

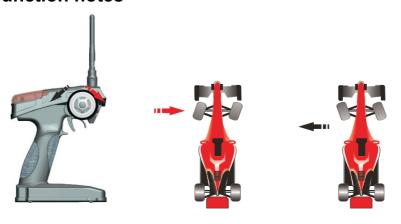
- A. Cut off the receiver power supply.
- B. Cut off the transmitter power supply.



2.4G transmitter view angles



Transmitter function notes

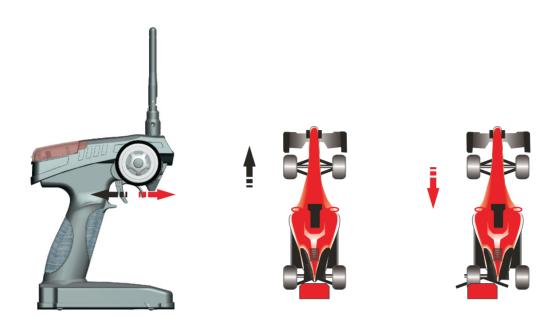


Function Introduction:

This function is to control the direction, when the steering turn to right then the front wheel will turn to right (as picture), when the steering turn to left then the front wheel will turn to left (as picture).

Operation Method:

Adjust the dual rate of the steering by adjusting the D/R knob.



Function Introduction:

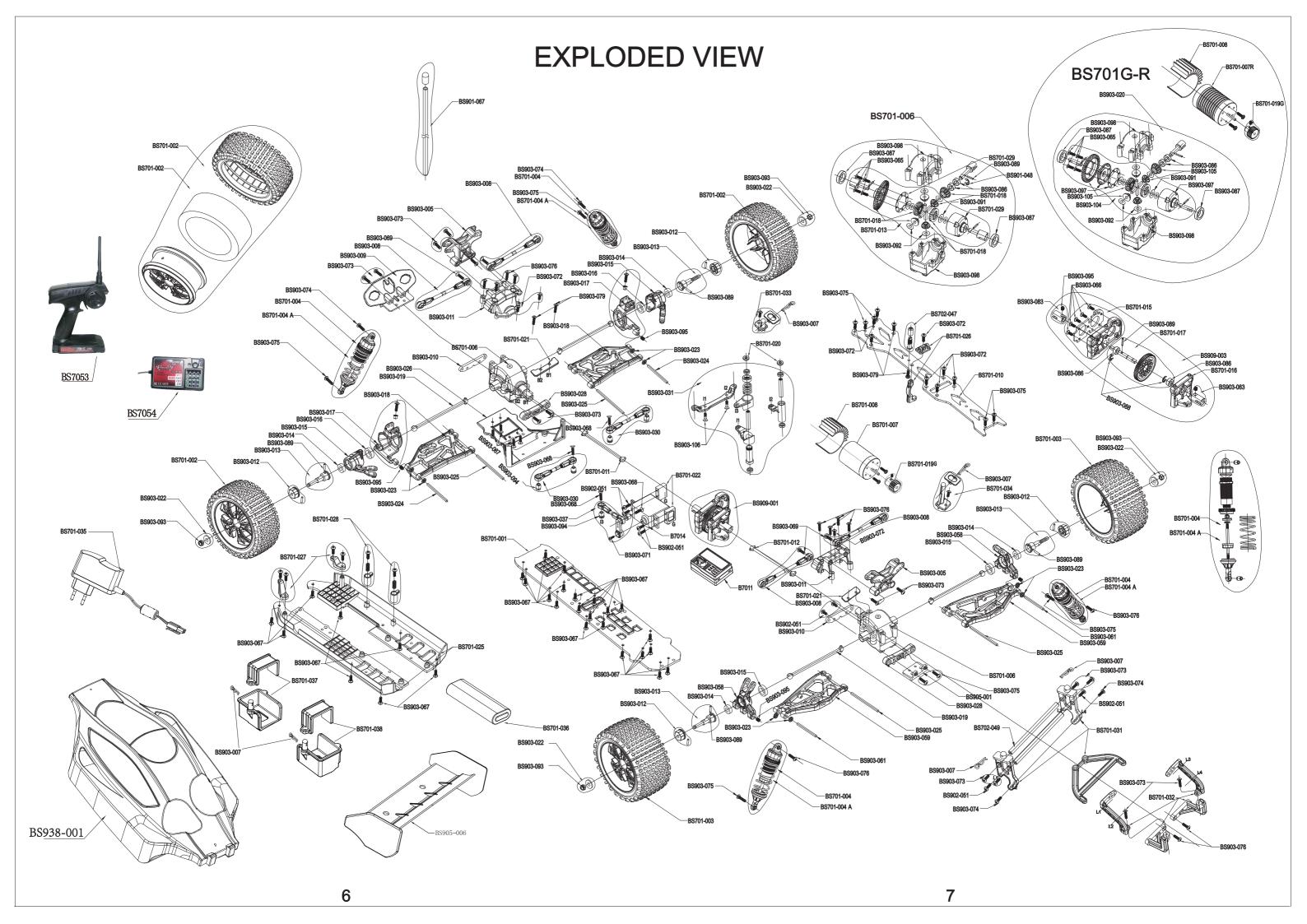
This function is to control the throttle speed, when pull the throtte trigger back,car will accelerate forward (see the picture), when push the throttle trigger, the car will put on the brakes or double ring astern(according to the different ESC) (see the picture).

Operation Method:

To control it by pushing and pulling back the throttle trigger after power on.

RC OPERATING PROCEDURES

- 1.Load the battery on the transmitter.
- 2.Install the charged battery on the car.
- 3. Turn on the power switch first, before turning on the receiver.
- 4. Please raise the tires off the ground and check if the control is responding.
- 5. Hold the throttle trigger to let the car run. If it doesn't work, please adjust the throttle servo and trim.
- 6. Please replace the battery, when the speed drops down.
- 7. When you finish the racing, please switch off the receiver first, and then the transmitter.
- 8. Please make sure the battery is disconnected and remove the battery after finishing the racing.



PARTS LIST

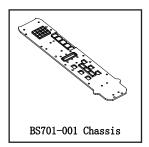
Item No. Description		Item No.	Description	
BS701-001 Chassis	1pcs	BS938-001	silk-screened body	1pcs
BS701-002 Tire Unit-Fr	2pcs	BS701-031	Tail wing mount	1pcs
BS701-002A Tire Unit-Fr (chromed)	2pcs	BS701-032	Rollcage post set	1pcs
BS701-003 Tire Unit-Rr	2pcs	BS701-033	Body post-Fr	1pcs
BS701-003A Tire Unit-Rr (chromed)	2pcs	BS701-034	Body post-Rr	1pcs
BS701-004 ShockAbsorberUnit(plastic)	2pcs	BS701-035	Charger	1pcs
BS701-004A Shock Absorber Unit (alun)	2pcs	BS701-036	7.2V1800mah Ni-Mh batte	ry 1pcs
BS809-010 Tail wing	1pcs	BS903-005	Brace	1pcs
BS701-006 Diff.gearbox Unit	1pcs	BS903-007	Body Pin	6pcs
BS701-007 550Motor	1pcs	BS903-008	Upper Susp. Arm Set	2pcs
BS701-008 Motor heat sink	1pcs	BS903-009	Fr. Bumper	1pcs
BS701-009 7.2V battery pack	1pcs	BS903-010	Suspension Arm Mount Block	2pcs
BS701-010 Upper deck	1pcs	BS903-011	Upper susp. Arm Mount-Fr/Rr	1pcs
BS701-011 Front drive shaft	1pcs	BS903-012	Rim Hub W/Pin(ϕ 2*10)	4pcs
BS701-012 Rear drive shaft	1pcs	BS903-013	Axle W/Pin	2pcs
BS701-013 Diff gear Unit	1pcs	BS903-014	Ball Bearing(ϕ 6* ϕ 12*4)	2pcs
BS909-001 Spur gear unit	1pcs	BS903-015	Fr/Rr Steering Arm	1pcs
BS701-015 Gear mount/Fr,		BS903-016	Ball Bearing(φ 10* φ 15*4)2pcs
screws/motor mount	1pcs	BS903-017	Fr/Rr C-Carrier	1pcs
BS701-016 Gear mount/Rear	1pcs	BS903-018	Fr.Lower Susp.Arm-Lf/Rt	1pcs
BS909-003 Central drive shaft/main		BS903-019	Drive shaft set	2pcs
gear	1pcs	BS903-022	M4 Self-lock Nut W/Washer	4pcs
BS701-018 Diff gear/pinion gear/		BS903-023	O-washer	8pcs
driving /driven gear	1pcs	BS903-024	Front suspension arm	
BS701-019G Motor gear 15T/M3 screy	v 1pcs		pin-short	4pcs
BS701-020 Washer	4pcs	BS903-025	Suspension arm pin-long	4pcs
BS701-021 Upper deck/Front		BS903-026	Fr.chassis	1pcs
upper deck	1pcs	BS903-028	Lower susp.mount block-Fr/Rr	1pcs
BS701-022 Steering servo mount	1pcs	BS903-030	Steering linkage set	2pcs
BS701-025 Side guard plate L/R	1pcs	BS903-031	Servo saver unit	1pcs
BS701-026 Upper deck	1pcs	BS903-037	Steering servo horn	
BS701-027 L/R mount block/screws	1pcs		and linkage	1pcs
BS701-028 Wireclip mount/Spring/Screw	s 2pcs	BS903-058	Hub rear carrier	1pcs
BS701-029 Diff. Gearbox	1pcs	BS903-059	Rr.lower susp.arm-L/R	1pcs

PARTS LIST

Item No.	Description		Item No.	Description	
BS903-061	Rear suspension arm		BS903-098	Diff.gearbox	
	pin-short	4pcs		bulkhead-upper/lower	1pcs
BS903-065	TPF2.6*10 flat cross screw	12pcs	BS903-106	Screw pin (M3*9.5)	12pcs
BS903-067	TPF3*10 flat cross screw	12pcs	BS901-048	E-Clip(φ 3*0.6)	12pcs
BS903-068	TPF3*14 flat cross screw	12pcs	BS901-066	M3 locknut	5pcs
BS903-069	TPF3*16 flat cross screw	12pcs	BS901-067	Antenna pipe w/cap	3pcs
BS903-072	BT3*8 B-head cross screw	12pcs	BS902-051	BT3*10 B-head cross screw	12pcs
BS903-073	BT3*12B-head cross screw	12pcs	BS702-047	Antenna mount	1pcs
BS903-074	BT3*14B-head cross screw	12pcs	BS702-049	Main frame shaft	1pcs
BS903-075	BT3*16B-head cross screw	12pcs	BS905-001	Rear chassis	1pcs
BS903-076	BT3*20 B-head cross screw	12pcs	B7053	Transmitter complete	1pcs
BS903-079	BM3*10B-head cross screw	12pcs	B7054	Receiver	1pcs
BS903-083	Diff.Outdrive		B7014	Servo (3Kg)	1pcs
	B/M4*4 set screw	1pcs	B7003-R	ESC	1pcs
BS903-086	Ball bearing (5*10*4)	2pcs			
BS903-087	Ball bearing (12*18*4)	2pcs			
BS903-088	E -clip (4*0.6)	12pcs			
BS903-089	Pin (2*10)	12pcs			
BS903-091	Washer A (5.2*10*0.2)	12pcs			
BS903-092	Washer B (4.2*8*0.2)	12pcs			
BS903-093	M4 nylon lock nut	6pcs			
BS903-094	Double way ball end	6pcs			
BS903-095	M4*4 Grub screw	6pcs			

EXTRA SPARE PARTS FOR BS701T-R

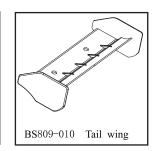
BS701-007R	Brushless 540 motor kv: 3570	1pcs
B7003-R	Brushless ESC 35A-SL	1pcs
MPO-01	Wheel Hex set	1pcs
MPO-02	C Hub W/pin	1pcs
MPO-03	Knuckle Arm set	1pcs
MPO-04	Rear Hub set	1pcs
MPO-05	Shock Stay Mount	1pcs
MPO-06	Front Suspension Mount	1pcs
MPO-07	Rear Suspension Mount	1pcs
MPO-11	Steering Linkage	1pcs









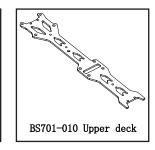


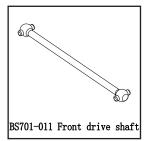




















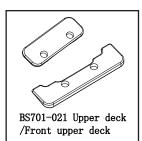






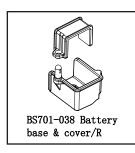


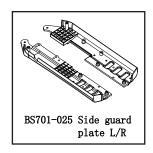










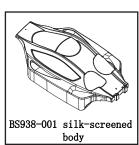












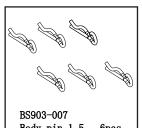




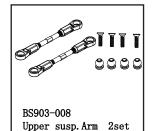




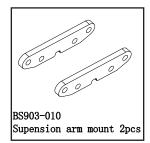


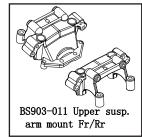


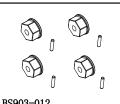
Body pin 1.5 6pcs



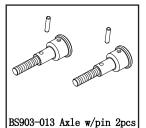
BS903-009 Fr. bumper 1pcs



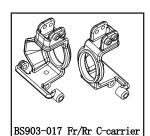




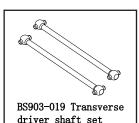
BS903-012 Rim hub w/pin 2*10 4pcs



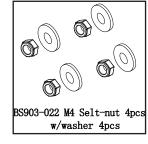


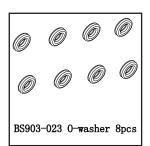




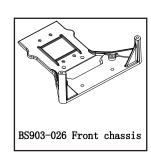


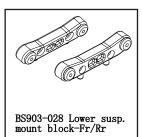
2pcs Φ4*87.5mm



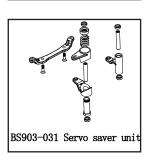




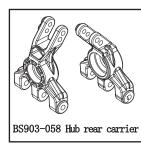


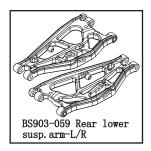


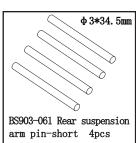


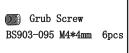


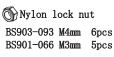






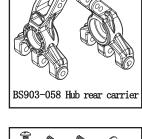


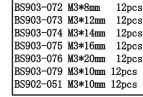






Flat cross screw BS903-065 M2.6*10mm 12pcs BS903-067 M3*10mm 12pcs BS903-068 M3*14mm 12pcs BS903-069 M3*16mm 12pcs





W

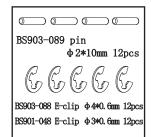
B-head cross screw

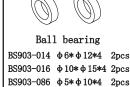
12pcs

12pcs

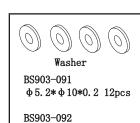
12pcs

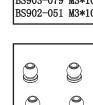


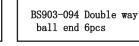




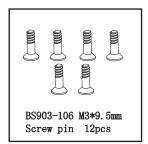
BS903-087 Φ12*Φ18*4 2pcs

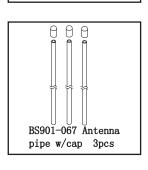








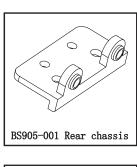






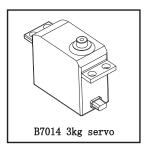
φ4.2* φ8*0.2 12pcs



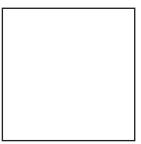




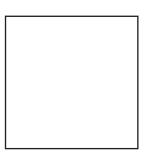


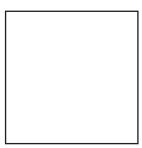


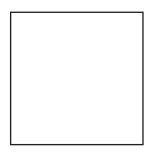












EXTRA SPARE PARTS FOR BS701T-R



B7003-R Brushless ESC 35A-SL









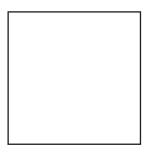


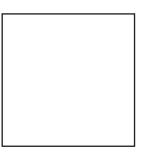


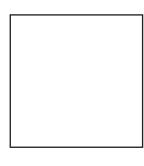


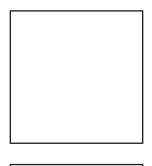


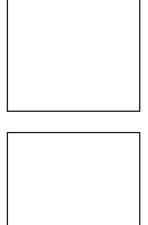
















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